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multiline
bright with light



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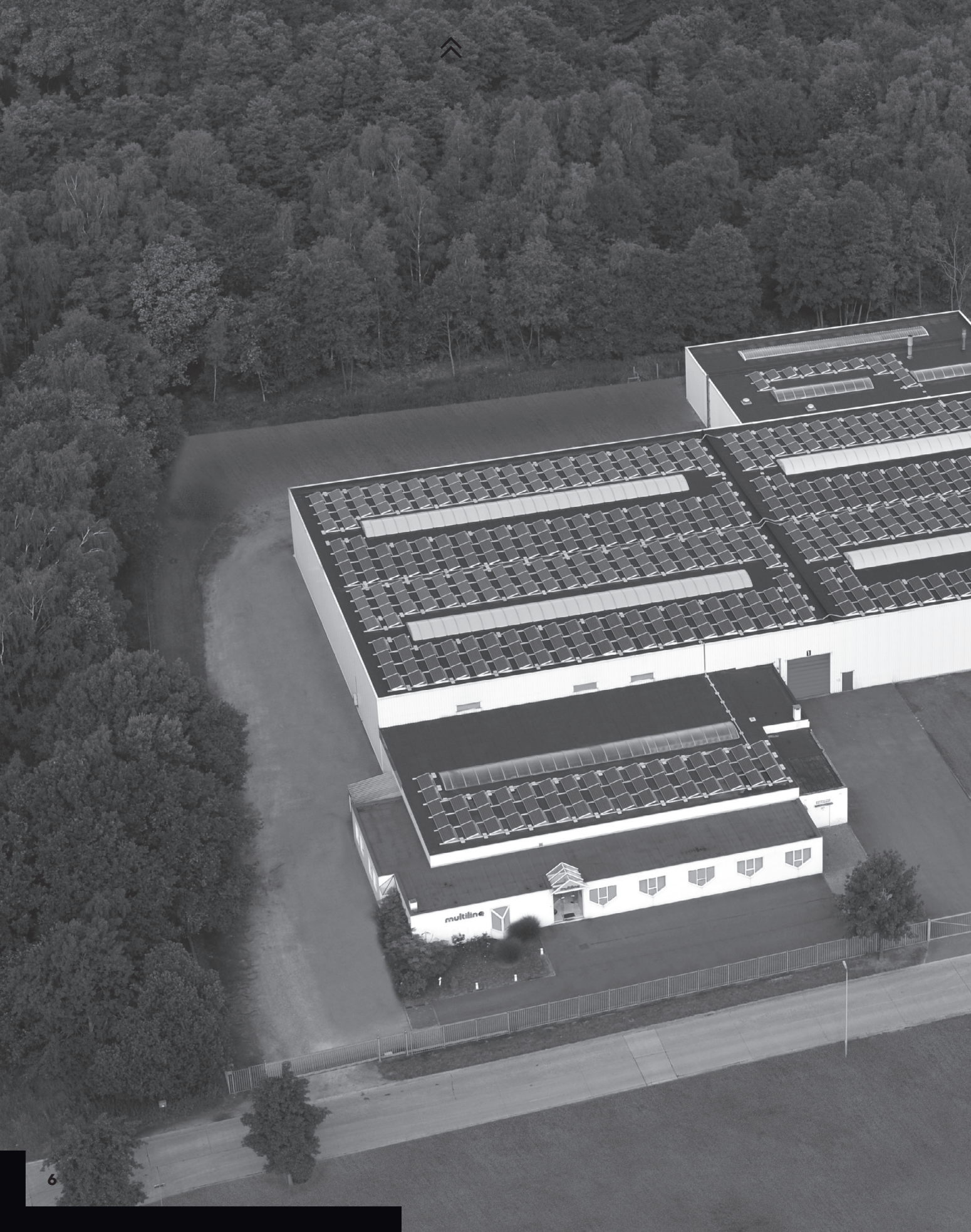


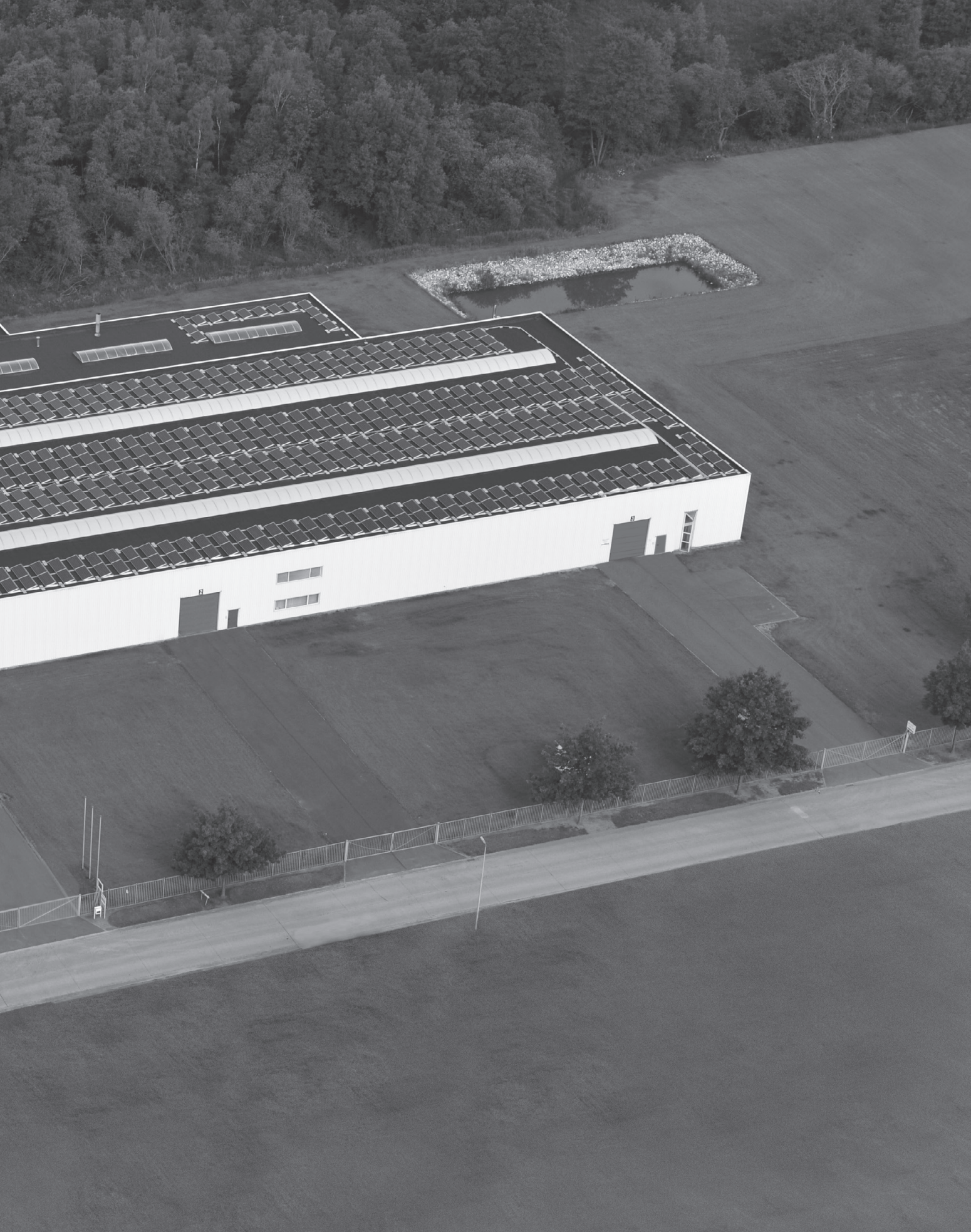


Welcome to the illuminated world of Multiline

A simple ray of light makes you see things differently. It sparks your imagination. Our mission is to bring your imagination to life by creating indoor and outdoor lighting solutions fully tailored to your specific needs.

Boasting the widest range of profiles, we provide linear lighting customisation based on your architectural and aesthetic requirements. You can count on our experienced lighting architects to guide you through every step. Together, we give life to light.

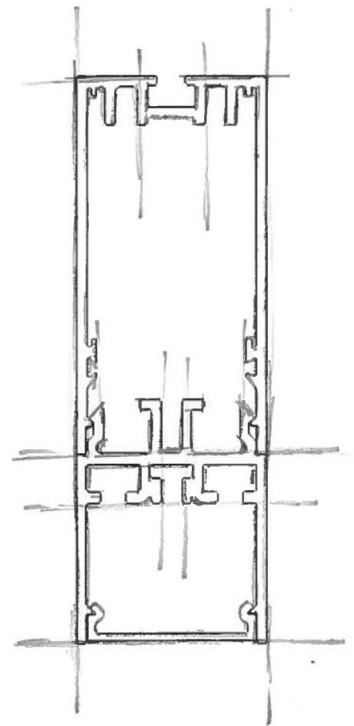


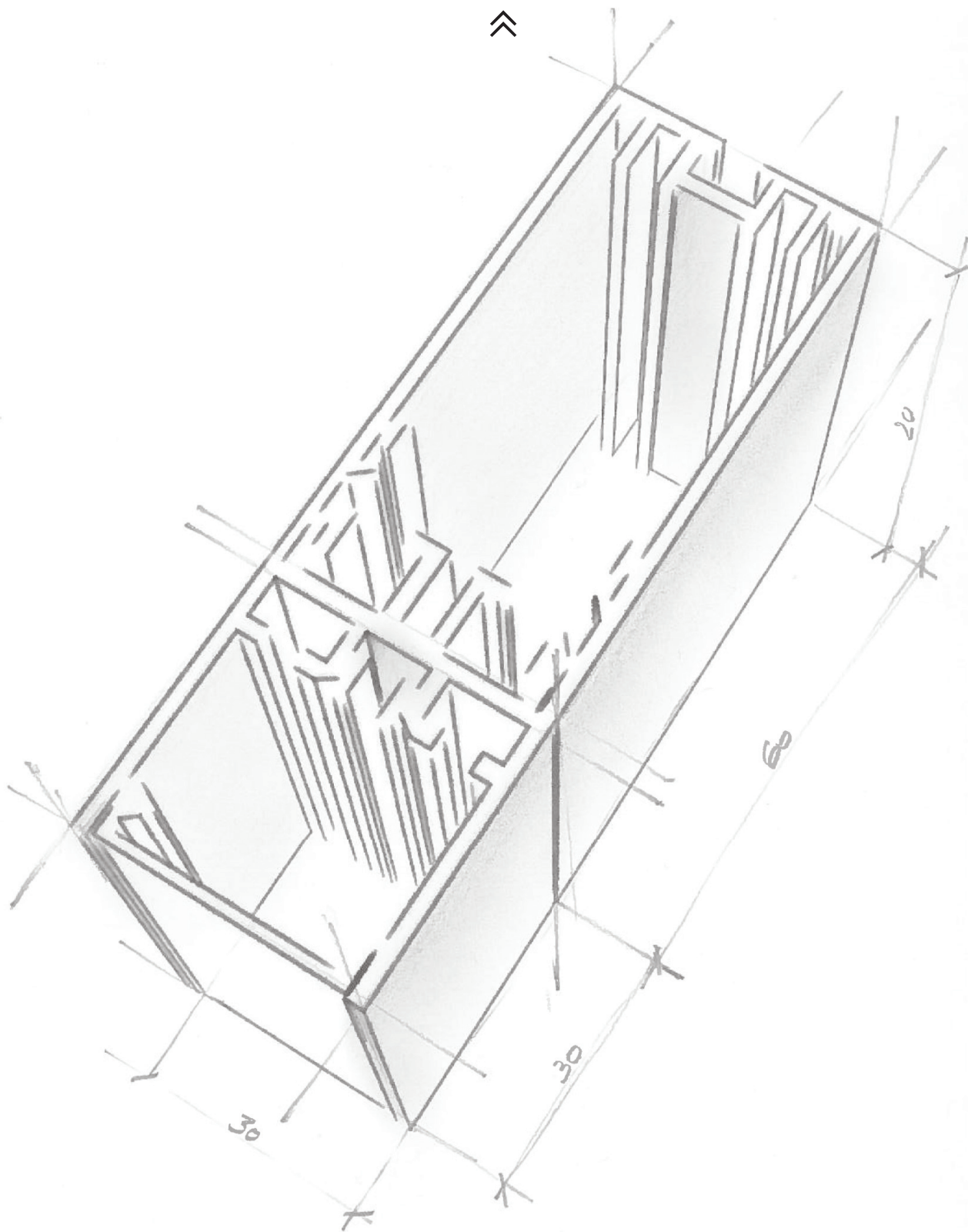


RESEARCH & DEVELOPMENT

Continued innovation is the key to successful projects and satisfied customers. With over 38 years of accumulated experience in the lighting sector, our R&D department has acquired a deep understanding of your needs. We create unique products that fit their destined environments in form and function, just as you visualised in your mind.

Talented designers assist us with the consistent development of new and better lighting solutions. We aim to empower you with the best lighting fixtures by implementing adaptations to existing products or developing completely new innovations. Special solutions for your individual desires.





INNOVATION





PLANNING & ADVICE

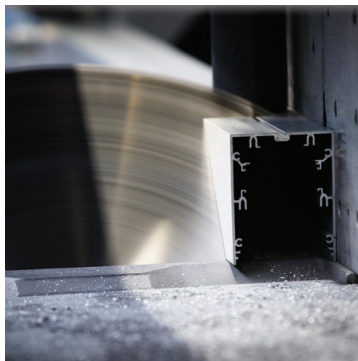
Determining the optimal lighting solution for any space is always a complex decision. Your ideas have to grow into specific designs. Our lighting architects and engineers are committed to guiding you through all the aesthetic and technical aspects.

Together, they help you define your specific requirements by offering professional light plans and concepts. They give you advice regarding luminaire selection and technical specifications. Even taking into account the details, that for many others would remain in the dark.

IN-HOUSE PRODUCTION

Flexibility and perfection are all about being in control. That is why we keep the production of your lighting in our own competent hands. Technology, in the speed of our machinery and paint plant, is complemented by the human touch of the operators in our factory as their experienced hands wire and assemble.

In our production plant and warehouse of more than 7000 m², your lighting is carefully manufactured, checked, packaged and made ready for shipment. Our team will ensure that your order is correctly processed and delivered. We strive to maximize customers' satisfaction by keeping our promises without compromising on the materials or functionality of the intended concept.





MADE IN BELGIUM







RAL COLOURS AND SPECIAL FINISHES

Having our own paint plant allows us to manufacture nearly all our luminaires in your desired colour. We offer a wide range of more than 200 industry standard RAL colours, available in gloss, matte and textured finishes. This broad colour collection is definitely one of the strong features in our production process and offers our customers a huge benefit in terms of flexibility and short delivery time.

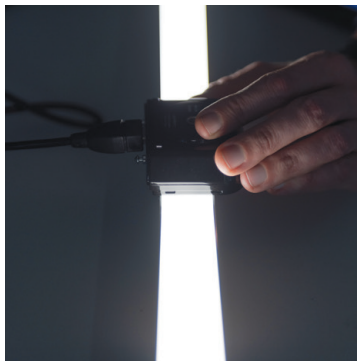
To attain a flawless coating, our profiles undergo different high-quality pre-treatment procedures before powder coating and hardening in the oven. This process results in a smooth coating that can withstand indoor and outdoor conditions. Permanent quality checks by internal and external experts ensure that our powder coating process continues to meet the highest standards.

Special finishes, such as different types of marble and wood looks are also available on request. Certain products can also be ordered in copper, brass and blue anodised aluminium. If you have any doubts regarding your colour choice, we can provide you with a printed RAL colour chart or samples of our special finishes.

QUALITY

Quality is the top priority in all our daily operations. Our products undergo an extensive planning, manufacturing and testing process. A solid quality management system is in place to guarantee problem-free functionality of your lighting solution throughout its lifespan.

Our ISO 9001 certification, the highest standard for quality assurance, is proof that all our divisions are committed to providing trustworthy products and services. A strong focus on quality and risk assessment is complemented by rigorous inspection and testing. Continuous improvement plays an important role in all our processes and is the key to keeping our customers satisfied.









WELL-BEING

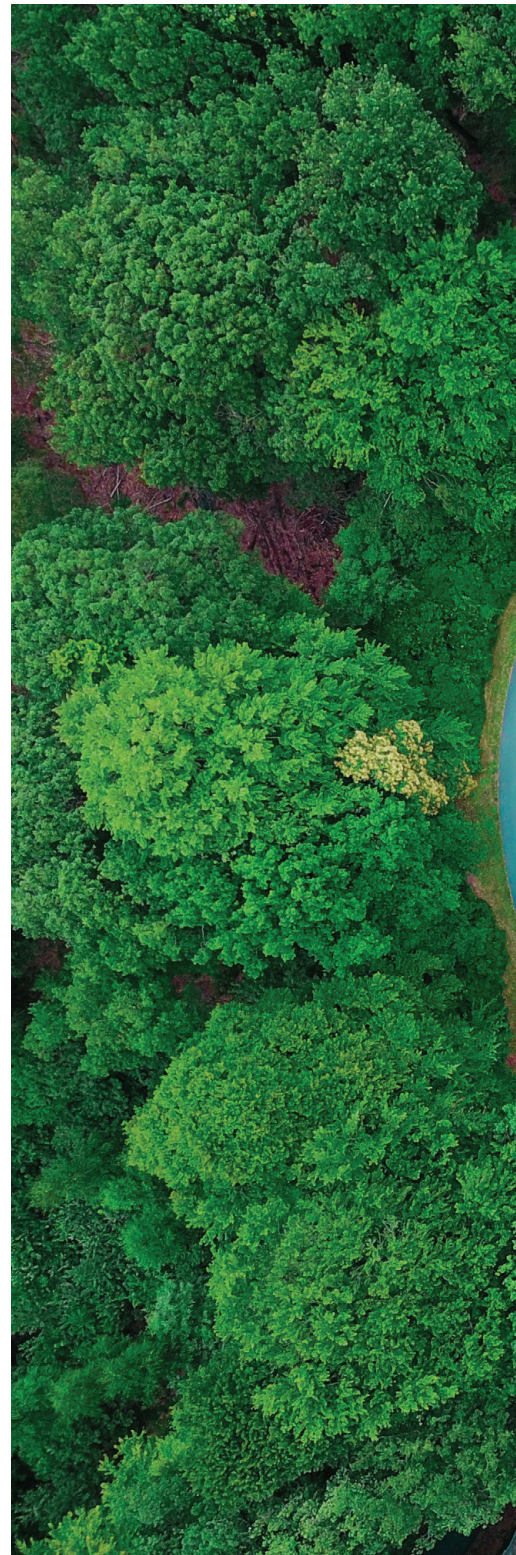
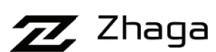
The future of lighting is about people. Human Centric Lighting (HCL) expresses the beneficial effect of light and lighting on the vitality, well-being and performance of humans. Office lighting in particular can be used to vitalize workers and improve their concentration. Eliminating glare, providing high visual comfort, using accurate timing as well as matching the colour temperature and quantity of artificial lighting to daylight are all ways to make life at the office considerably more pleasant.

Our goal is to implement a holistic approach towards HCL. Therefore, we are not only concerned with the quality of light, but also with the entire quality of life. This is demonstrated in our lighting solutions with additional acoustic features as well as in our linear lighting fixtures specially developed for climate-control ceilings.

SUSTAINABILITY

Reducing energy consumption by designing energy efficient lighting solutions is our contribution to a greener earth. The integration of long-lasting LED boards, dimming technology, motion detectors and daylight sensors turn our lighting solutions into eco-friendly objects. Our LED modules are also manufactured conform book 7 of Zhaga, which aims to standardize electronic components in LED luminaires.

We stand for responsible use of both natural and human resources and we select partners with the same green principles. Our belief in the positive impact of a circular economy is strong. That is why we strive to apply this concept to all our operations, resulting in the reduction of waste and the continual use of our resources.







FLEXIBILITY



TEAM

Multiline was founded by Peter Rahne in 1982. Nowadays, the company is led by the siblings Klaus and Monika Rahne who are just as passionate about lighting as their father. Their dedicated and unified leadership, complemented by a highly qualified and experienced team of lighting experts, is key to the past, present and future success of the company.

Customer orientation, quality, flexibility and reliability are the core values that define who we are and how we work. The whole Multiline team is committed to applying the highest professional standards to all our services and products. We listen to your ideas. We understand and support them. Together, let's bring your imagination to life.

Get in touch with us.
www.multiline.be





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CUSTOM MADE SYSTEMS



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WALL LUMINAIRES



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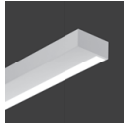
SNAKE
122



SURFACE MOUNTED LUMINAIRES



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128

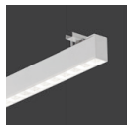


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136



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140

RECESSED LUMINAIRES

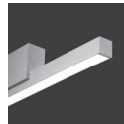


REKTA 20
148





CUSTOM MADE SYSTEMS



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28



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40



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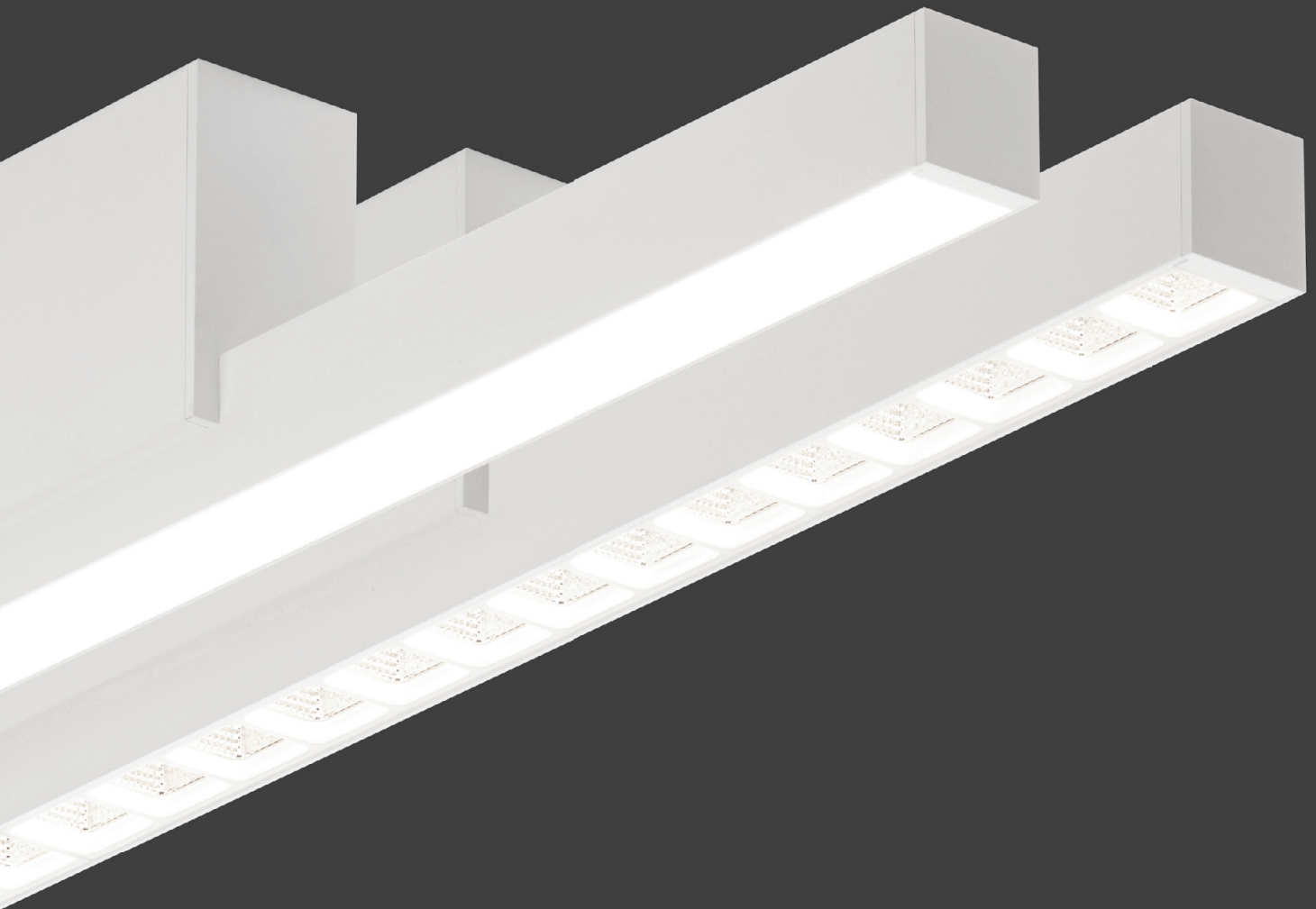
GRIP



DESIGN **PLUS**

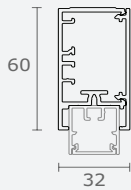
powered by: **light+**building

2022



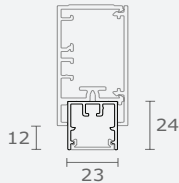


PROFILES & INFILL PANELS



| code | type |
|---------------|------------------|
| 09.43100-9999 | base profile RAL |

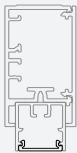
base profile must be at least 500mm long
het basisprofiel moet minstens 500mm lang zijn
le profilé de base doit avoir une longueur minimale de 500mm
das Basisprofil muss mindestens 500mm lang sein



| code | type |
|---------------|-------------------|
| 09.43105-9999 | light profile RAL |

when using only LED inserts, the correct length = (number of inserts * 280) + 10mm
bij gebruik van enkel LED modules, is de correcte lengte = (aantal modules * 280) + 10mm
en cas d'utilisation de que des modules de LED, la longueur correcte = (nombre de modules * 280) + 10mm
wenn nur LED Einsätze verwendet werden, ist die richtige Länge = (Anzahl der Einsätze * 280) + 10mm

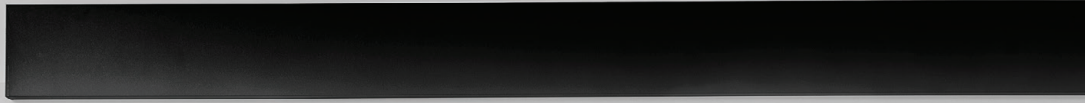
the light profile can be max 800mm longer than the base profile on one or both sides
het lichtprofiel kan max. 800mm aan één zijde of weerszijden langer zijn dan het basisprofiel
le profilé de lumière peut être jusqu'à 800mm plus long que le profilé de base sur un ou deux côtés
das Lichtprofil kann ein- oder beidseitig bis zu 800mm länger sein als das Basisprofil

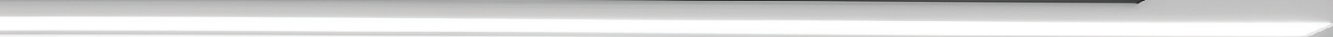
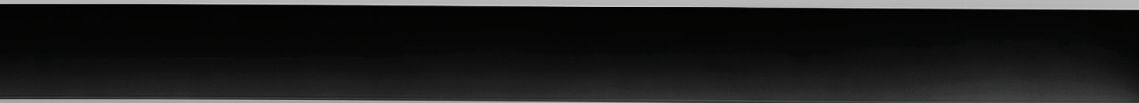


| code | type |
|---------------|------------------|
| 09.43106-9999 | infill panel RAL |



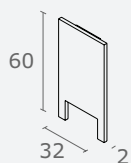
9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet







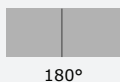
END CAPS & CORNERS



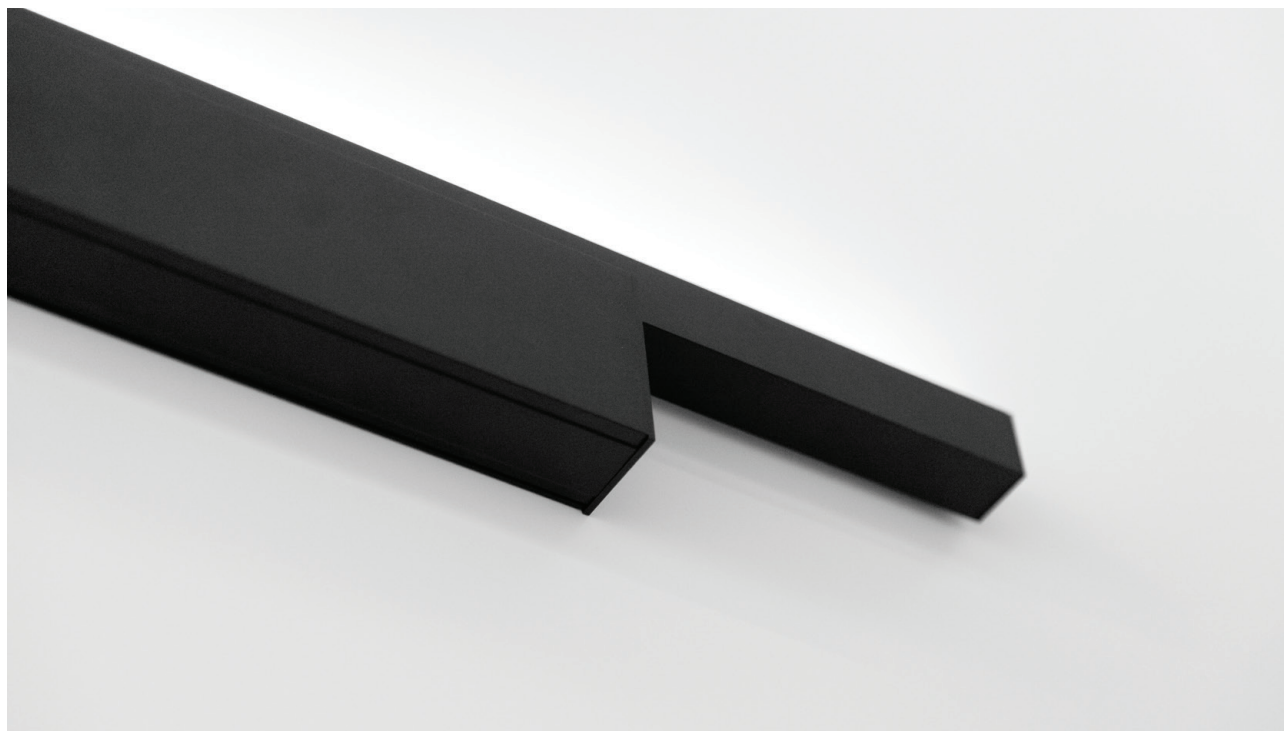
| code | type |
|---------------|--------------------------|
| 01.43181-9999 | end cap base profile RAL |



| code | type |
|---------------|---------------------------|
| 01.43183-9999 | end cap lower profile RAL |



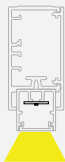
| code | type |
|---------------|----------------------|
| 01.43160-0000 | In-line coupler 180° |



9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet



LED INSERTS

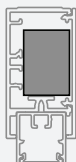


code

type

27.43710-4030
27.43810-4030

LED insert incl. lens for louver – L280mm
LED insert for diffuser – L280mm



code

type

dim

27.0000www-0625
27.0000www-0650
27.0000www-0675
27.0000www-0825
27.0000www-0850
27.0000www-0875

LED driver 25W
LED driver 50W
LED driver 75W
LED driver 25W
LED driver 50W
LED driver 75W
-
-
-
DALI/TD
DALI/TD
DALI/TD

First choose between 100mA or 150mA in the left table. Then choose the # of inserts. This will show you the total mA. You will find the corresponding total mA in the first column of the right table. On the same row you will see which driver (non dimmable or DALI/TD) you need. Kies in de linkertabel eerst tussen 100mA of 150mA. Kies daarna het # inserts. Zo krijgt u de totale mA te zien. In de rechtermiddelste kolom vindt u de totale mA in de eerste kolom terug. Op dezelfde rij ziet u welke driver (niet dimbaar of DALI/TD) u nodig heeft. Choisissez d'abord entre 100mA ou 150mA dans le tableau de gauche. Sélectionnez ensuite le # d'insertions. Vous verrez alors le total de mA. Dans le tableau de droite, vous trouverez le total de mA dans la première colonne. Dans la même ligne, vous verrez quel driver (non dimmable ou DALI/TD) vous avez besoin. Wählen Sie zunächst zwischen 100mA oder 150mA in der linken Tabelle. Wählen Sie dann die # der Einsätze. Dies zeigt Ihnen den Gesamt-mA an. In der rechten Tabelle finden Sie den Gesamt-mA in der ersten Spalte. In der gleichen Zeile sehen Sie, welchen Treiber (nicht dimmbar oder DALI/TD) Sie benötigen

| # inserts | 100mA | 150mA |
|-----------|-------------------------------|--------------------------------|
| | 4,0W 755lm/insert total mA | 6,0W 1100lm/insert total mA |
| 1 | 100mA | 150mA |
| 2 | 200mA | 300mA |
| 3 | 300mA | 450mA |
| 4 | 400mA | 600mA |
| 5 | 500mA | 750mA |
| 6 | 600mA | 900mA |
| 7 | 700mA | 1050mA |
| 8 | 800mA | 1200mA |
| 9 | 900mA | 1350mA |
| 10 | 1000mA | 1500mA |
| 11 | 1100mA | 1650mA |
| 12 | 1200mA | 1800mA |
| 13 | 1300mA | - |
| 14 | 1400mA | - |
| 15 | 1500mA | - |
| 16 | 1600mA | - |
| 17 | 1700mA | - |
| 18 | 1800mA | - |

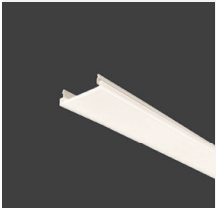

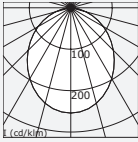
| total mA | www | non dimmable | DALI/TD |
|----------|------|------------------|------------------|
| 100mA | 0100 | 27.00000100-0625 | - |
| 150mA | 0150 | 27.00000150-0625 | 27.00000150-0825 |
| 200mA | 0200 | 27.00000200-0625 | 27.00000200-0825 |
| 300mA | 0300 | 27.00000300-0625 | 27.00000300-0825 |
| 400mA | 0400 | 27.00000400-0625 | 27.00000400-0825 |
| 450mA | 0450 | 27.00000450-0625 | 27.00000450-0825 |
| 500mA | 0500 | 27.00000500-0625 | 27.00000500-0825 |
| 600mA | 0600 | 27.00000600-0650 | 27.00000600-0825 |
| 700mA | 0700 | 27.00000700-0650 | 27.00000700-0825 |
| 750mA | 0750 | 27.00000750-0650 | 27.00000750-0850 |
| 800mA | 0800 | 27.00000800-0650 | 27.00000800-0850 |
| 900mA | 0900 | 27.00000900-0650 | 27.00000900-0850 |
| 1000mA | 1000 | 27.00001000-0650 | 27.00001000-0850 |
| 1050mA | 1050 | 27.00001050-0650 | 27.00001050-0850 |
| 1100mA | 1100 | 27.00001100-0675 | 27.00001100-0875 |
| 1200mA | 1200 | 27.00001200-0675 | 27.00001200-0875 |
| 1300mA | 1300 | 27.00001300-0675 | 27.00001300-0875 |
| 1350mA | 1350 | 27.00001350-0675 | 27.00001350-0875 |
| 1400mA | 1400 | 27.00001400-0675 | 27.00001400-0875 |
| 1500mA | 1500 | 27.00001500-0675 | 27.00001500-0875 |
| 1600mA | 1600 | 27.00001600-0675 | 27.00001600-0875 |
| 1650mA | 1650 | 27.00001650-0675 | 27.00001650-0875 |
| 1700mA | 1700 | 27.00001700-0675 | 27.00001700-0875 |
| 1800mA | 1800 | 27.00001800-0675 | 27.00001800-0875 |






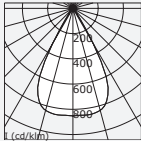
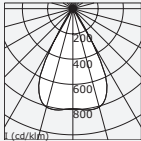
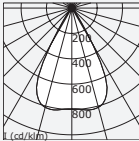


27= 2700K
30= 3000K
40= 4000K




LED DIFFUSERS

| | code | type |
|-----------------------------------------------------------------------------------|--------------------------|--------------------|
|  | 02.43800-0000 | satin LED diffuser |
|  | | |
|  | | |
| | h=66% CIE 50 80 96 99 66 | |

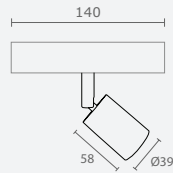
| | code | type | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  | 02.43710-0103 | LRLC optic matte chrome – L280mm | |
| | 02.43710-9105 | LRLB optic matte black – L280mm | |
| | 02.43710-9110 | LRLW optic matte white – L280mm | |
| <p>in case the 150mA current setting is combined with a white louvre (LRLW), the UGR is 15,8/19,4 (at 4H/8H) bij de combinatie van een 150mA aansturing en een witte raster (LRLW) is de UGR 15,8/19,4 (bij 4H/8H) si le courant de 150mA est combiné avec une grille blanche (LRLW), l'UGR est 15,8/19,4 (à 4H/8H) wenn die 150 mA Stromeinstellung mit einem weißen Raster (LRLW) kombiniert wird, beträgt das UGR 15,8/19,4 (bei 4H/8H)</p> | | | |
|  |  |  |  |
|  |  |  | |
| h=83% CIE 98 99 100 100 83 | h=81% CIE 98 99 100 99 81 | h=85% CIE 95 98 99 100 85 | |

EMERGENCY MODULES

| | code | type |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------|
|  | 27.00290-0000 | LED emergency 1h 350lm – selftest |
| | 27.00291-0000 | LED emergency 3h 350lm – selftest |
| | 27.00292-0000 | LED emergency 1h 350lm – selftest DALI |
| | 27.00293-0000 | LED emergency 3h 350lm – selftest DALI |
| <p>emergency module can only be integrated if the base profile is at least 1000 mm (1h) or 1200 mm (3h) long integratie noodmodule alleen mogelijk als het basisprofiel minstens 1000mm (1h) of 1200mm (3h) lang is pour l'intégration du module de secours, le profilé de base doit avoir une longueur minimale de 1000 mm (1h) ou 1200 mm (3h) Das Notmodul kann nur integriert werden, wenn das Basisprofil mindestens 1000 mm (1h) oder 1200 mm (3h) lang ist</p> | | |
| <p>All inserts connected to a driver with emergency are powered by the emergency function. The 350lm from the emergency are distributed over all the inserts on this driver Alle inserts die op een driver met nood zijn aangesloten, worden op nood geschakeld. De 350lm van de nood worden over alle inserts op deze driver verdeeld Tous les modules connectés à un driver avec secours sont alimentés par la fonction de secours. Les 350lm du secours sont distribués à tous les modules sur ce driver Alle Einsätze, die an einen Driver mit Not angeschlossen sind, werden auf Not geschaltet. Die 350lm des Notes werden über alle Einsätze auf diesem Treiber verteilt</p> | | |



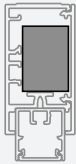
ACCESSORIES



**CRI
>90**

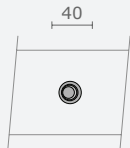
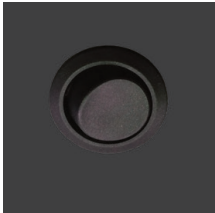
| code | type |
|----------------|-------------------------|
| 27.000152-9999 | spot 5W 2700K 482lm 10° |
| 27.000252-9999 | spot 5W 2700K 482lm 25° |
| 27.000352-9999 | spot 5W 2700K 482lm 40° |
| 27.000153-9999 | spot 5W 3000K 500lm 10° |
| 27.000253-9999 | spot 5W 3000K 500lm 25° |
| 27.000353-9999 | spot 5W 3000K 500lm 40° |
| 27.000154-9999 | spot 5W 4000K 532lm 10° |
| 27.000254-9999 | spot 5W 4000K 532lm 25° |
| 27.000354-9999 | spot 5W 4000K 532lm 40° |

order drivers separately · voedingen apart bestellen · commandez l'alimentation séparément · Treiber separat bestellen



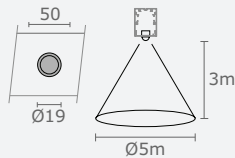
| code | type | dim | 5W-200mA # spots |
|-----------------|----------------|---------|---------------------|
| 27.0000916-0625 | LED driver 25W | - | 1-2 |
| 27.0000916-0650 | LED driver 50W | - | 3-5 |
| 27.0000916-0825 | LED driver 25W | DALI/TD | 1-2 |
| 27.0000916-0850 | LED driver 50W | DALI/TD | 3-5 |

TD = touch-dim



| code | type |
|---------------|---------------------------------------------|
| 27.00040-9005 | black push switch ON/OFF 250V/10Amp |
| 27.00041-9005 | black push switch ON/OFF+dimming 250V/10Amp |

27.00041-9005 only with DALI/TD dimmable insert, max. 4 drivers per push switch
27.00041-9005 enkel met DALI/TD dimbare module, max. 4 drivers per drukknop
27.00041-9005 seulement avec module dimmable DALI/TD, 4 drivers par bouton poussoir au maximum
27.00041-9005 nur mit DALI/TD dimmbarem Einsatz, Maximal 4 Treiber pro Druckknopf



| code | type |
|---------------|--------------------------------|
| 27.00105-0000 | motion detector max. 2 drivers |

stand-alone system that cannot be connected in parallel



9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet



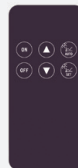
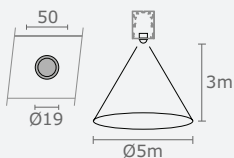
code type

27.00106-0000 white daylight and/or motion detector – max. 2x 5 drivers
27.00106-9005 black daylight and/or motion detector – max. 2x 5 drivers

only with DALI dimmable insert · enkel met DALI dimbare module · seulement avec module dimmable DALI · nur mit DALI dimmbarem Einsatz

including remote control for on/off + dimming
inclusief afstandsbediening voor aan/uit + dimmen
commande inclus pour allumer/éteindre + régler l'intensité de la lumière
Fernbedienung einbegriffen um ein-/aus zu schalten + zu dimmen

stand-alone system that cannot be connected in parallel



code type

22.99122-0000 remote control

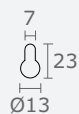
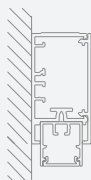
to order together with the daylight & motion detector (27.00106-0000)

remote control suitable for extensive configuration of sensor (only motion, only daylight or both,...)
afstandsbediening geschikt voor uitgebreide instelling van sensor (enkel beweging, enkel daglicht of beide,...)
commande appropriée pour le réglage du détecteur (seulement du mouvement, seulement de la lumière du jour ou tous les deux,...)
Fernbedienung geeignet für ausführliche Einstellung des Sensors (nur Bewegung, nur Tageslicht oder beide,...)

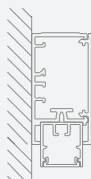




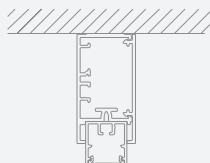
FIXATIONS



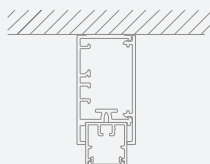
code type
03.43207-0000 key hole



code type
03.43208-0000 entry hole for power cable



code type
03.43206-0000 slot for direct mounting



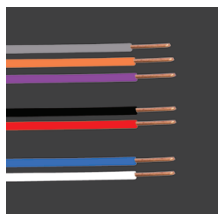
code type
03.43205-0000 entry hole for power cable

center of power supply hole at minimum 35mm from the end
center van voedingsgat op minimum 35mm van het uiteinde
centre du trou d'alimentation à au moins 35mm de l'extrémité
Mitte der Öffnung für die Einspeisung mindestens 35mm vom Ende entfernt

ADDITIONAL WIRING



standard wiring **1 switching circuit with 3 cables 1,5mm²: L = phase (brown), N = neutral (blue), earthing (yellow-green)**
standaard bedrading 1 schakelkring met 3 kabels 1,5mm²: L = fase (bruin), N = nulleder (blauw), aarding (geel-groen)
câblage standard 1 circuit avec 3 câbles 1,5mm²: L = phase (brun), N = neutre (bleu), terre (jaune-vert)
standard Verdrahtung 1 Schaltkreis mit 3 Kabeln 1,5mm²: L = Phase (braun), N = Nulleiter (blau), Erdung (gelb-grün)



code type
23.00099-1150 1 cable 1,5mm² for additional switching circuit (grey or orange or violet)
23.00099-2075 2 cables 0,75mm² for dimming (black & red)
23.00099-2150 2 cables 1,5mm² for emergency module supply (white & blue)





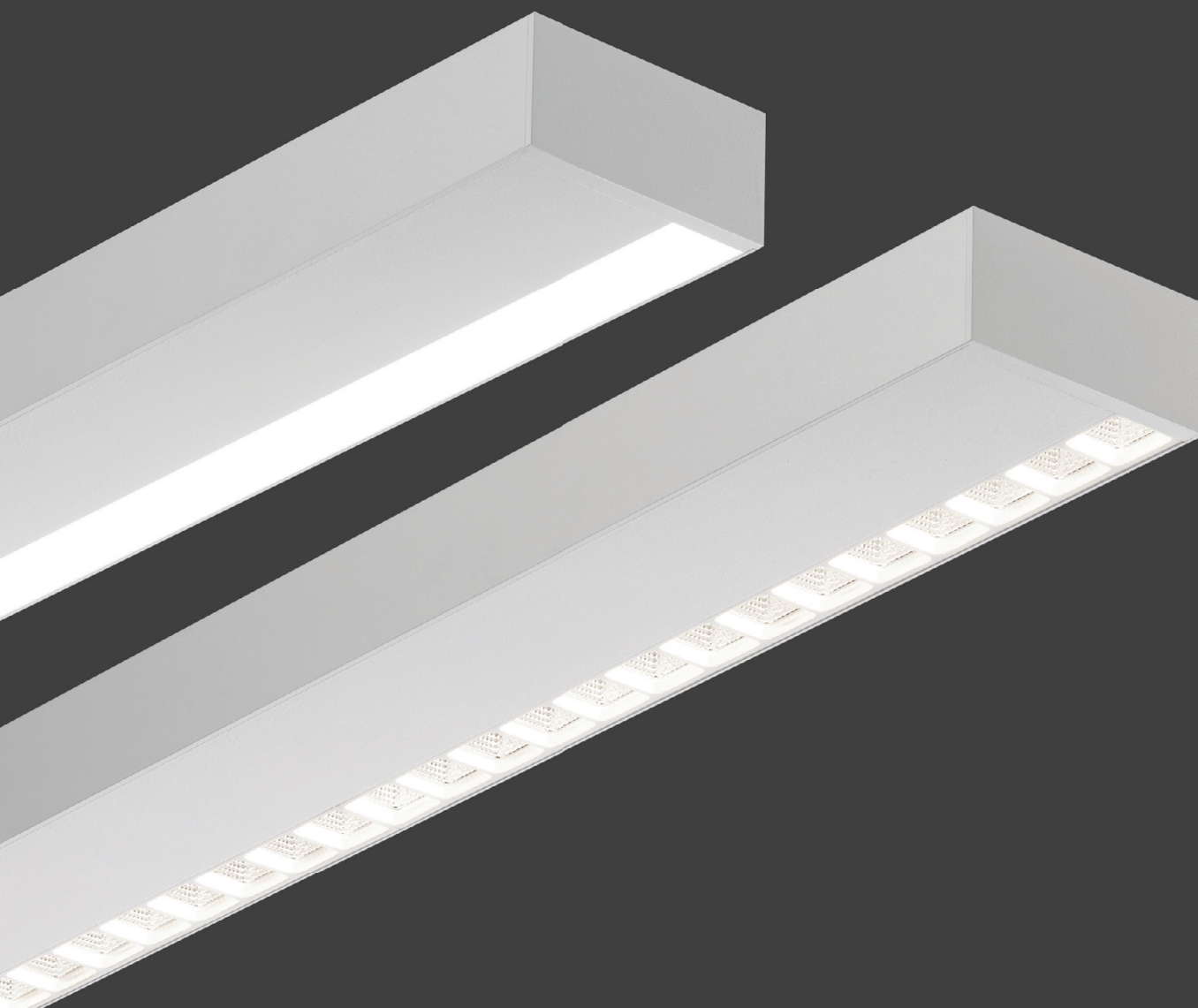


OFFSIDE

DESIGN PLUS

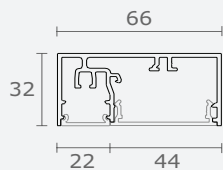
powered by: **light+**building

2022



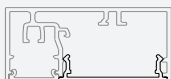


PROFILES & INFILL PANELS

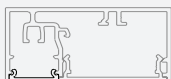


| code | type |
|---------------|---------------------|
| 09.47100-9999 | profile offside RAL |

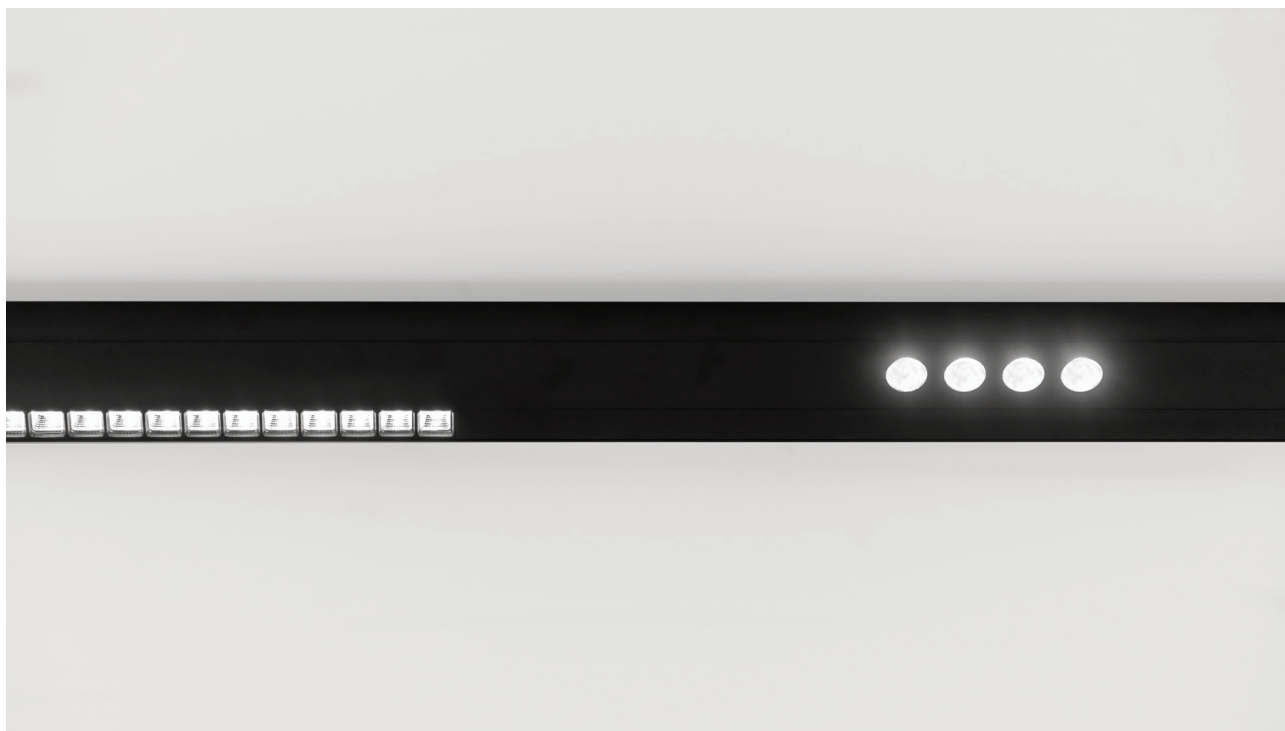
when using only LED inserts, the correct length = (number of inserts * 280) + 10mm
bij gebruik van enkel LED modules, is de correcte lengte = (aantal modules * 280) + 10mm
en cas d'utilisation de que des modules de LED, la longueur correcte = (nombre de modules * 280) + 10mm
wenn nur LED Einsätze verwendet werden, ist die richtige Länge = (Anzahl der Einsätze * 280) + 10mm



| code | type |
|---------------|-----------------------|
| 09.47101-9999 | infill panel wide RAL |



| code | type |
|---------------|------------------------|
| 09.47102-9999 | infill panel small RAL |



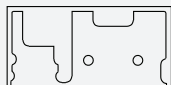
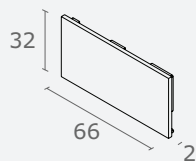
9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet



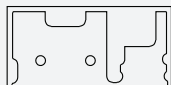
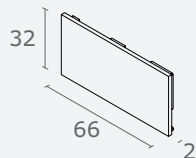




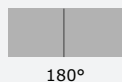
END CAPS & CORNERS



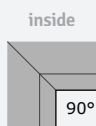
| code | type |
|---------------|------------------|
| 01.47181-9999 | end cap left RAL |



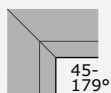
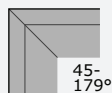
| code | type |
|---------------|-------------------|
| 01.47183-9999 | end cap right RAL |



| code | type |
|---------------|----------------------|
| 01.47160-0000 | In-line coupler 180° |



| code | type |
|---------------|--------------------------------------|
| 01.47150-0000 | L-corner 90° diffuser outside |
| 01.47151-0000 | L-corner 90° diffuser inside |
| 01.47100-0000 | 2way-corner 45-179° diffuser outside |
| 01.47101-0000 | 2way-corner 45-179° diffuser inside |



mitre cut · in verstek gezaagd · coupé en biais · auf Gehrung geschnitten



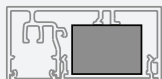
9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet



LED INSERTS



| code | type |
|---------------|-------------------------------------------|
| 27.47710-4030 | LED insert incl. lens for louver – L280mm |
| 27.47810-4030 | LED insert for diffuser – L280mm |



| code | type | dim |
|-----------------|----------------|---------|
| 27.0000www-0625 | LED driver 25W | - |
| 27.0000www-0650 | LED driver 50W | - |
| 27.0000www-0675 | LED driver 75W | - |
| 27.0000www-0825 | LED driver 25W | DALI/TD |
| 27.0000www-0850 | LED driver 50W | DALI/TD |
| 27.0000www-0875 | LED driver 75W | DALI/TD |

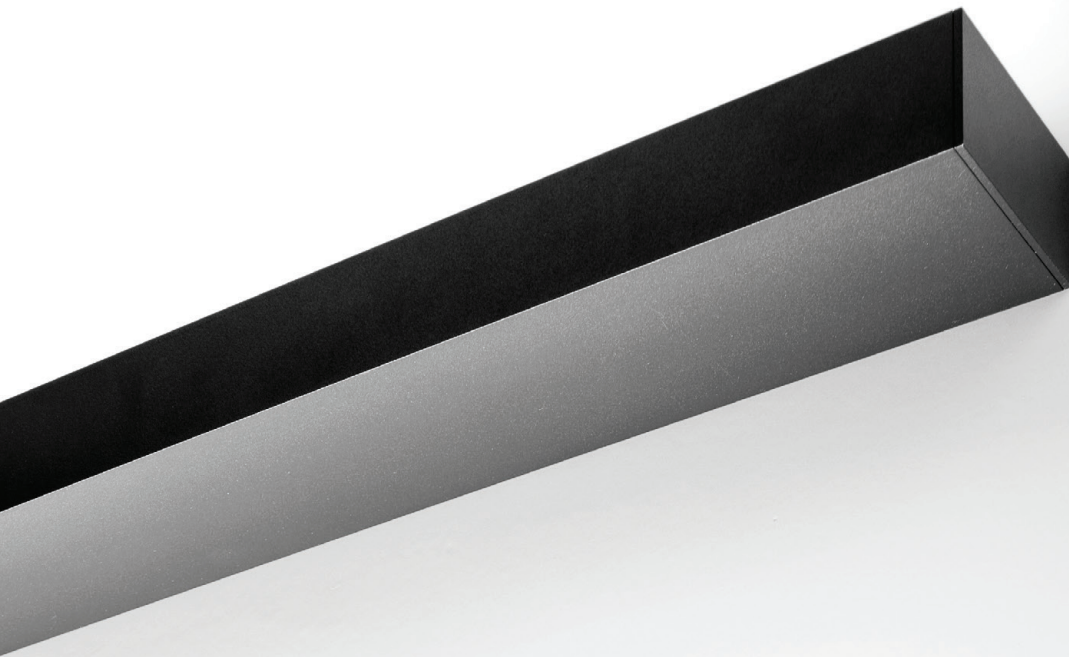
TD = touch-dim

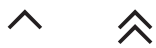
First choose between 100mA or 150mA in the left table. Then choose the # of inserts. This will show you the total mA. You will find the corresponding total mA in the first column of the right table. On the same row you will see which driver (non dimmable or DALI/TD) you need - Kies in de linkertabel eerst tussen 100mA of 150mA. Kies daarna het # inserts. Zo krijgt u de totale mA te zien. In de rechtertabel vindt u de totale mA in de eerste kolom terug. Op dezelfde rij ziet u welke driver (niet dimbaar of DALI/TD) u nodig heeft - Choisissez d'abord entre 100mA ou 150mA dans le tableau de gauche. Sélectionnez ensuite le # d'insertions. Vous verrez alors le total de mA. Dans le tableau de droite, vous trouverez le total de mA dans la première colonne. Dans la même ligne, vous verrez quel driver (non dimmable ou DALI/TD) vous avez besoin - Wählen Sie zunächst zwischen 100mA oder 150mA in der linken Tabelle. Wählen Sie dann die # der Einsätze. Dies zeigt Ihnen den Gesamt-mA an. In der rechten Tabelle finden Sie den Gesamt-mA in der ersten Spalte. In der gleichen Zeile sehen Sie, welchen Treiber (nicht dimmbar oder DALI/TD) Sie benötigen

| # inserts | 100mA 4,0W 755lm/insert total mA | 150mA 6,0W 1100lm/insert total mA |
|-----------|----------------------------------------|-----------------------------------------|
| 1 | 100mA | 150mA |
| 2 | 200mA | 300mA |
| 3 | 300mA | 450mA |
| 4 | 400mA | 600mA |
| 5 | 500mA | 750mA |
| 6 | 600mA | 900mA |
| 7 | 700mA | 1050mA |
| 8 | 800mA | 1200mA |
| 9 | 900mA | 1350mA |
| 10 | 1000mA | 1500mA |
| 11 | 1100mA | 1650mA |
| 12 | 1200mA | 1800mA |
| 13 | 1300mA | - |
| 14 | 1400mA | - |
| 15 | 1500mA | - |
| 16 | 1600mA | - |
| 17 | 1700mA | - |
| 18 | 1800mA | - |

| total mA | www | non dimmable | DALI/TD |
|----------|------|------------------|------------------|
| 100mA | 0100 | 27.00000100-0625 | - |
| 150mA | 0150 | 27.00000150-0625 | 27.00000150-0825 |
| 200mA | 0200 | 27.00000200-0625 | 27.00000200-0825 |
| 300mA | 0300 | 27.00000300-0625 | 27.00000300-0825 |
| 400mA | 0400 | 27.00000400-0625 | 27.00000400-0825 |
| 450mA | 0450 | 27.00000450-0625 | 27.00000450-0825 |
| 500mA | 0500 | 27.00000500-0625 | 27.00000500-0825 |
| 600mA | 0600 | 27.00000600-0650 | 27.00000600-0825 |
| 700mA | 0700 | 27.00000700-0650 | 27.00000700-0825 |
| 750mA | 0750 | 27.00000750-0650 | 27.00000750-0850 |
| 800mA | 0800 | 27.00000800-0650 | 27.00000800-0850 |
| 900mA | 0900 | 27.00000900-0650 | 27.00000900-0850 |
| 1000mA | 1000 | 27.00001000-0650 | 27.00001000-0850 |
| 1050mA | 1050 | 27.00001050-0650 | 27.00001050-0850 |
| 1100mA | 1100 | 27.00001100-0675 | 27.00001100-0875 |
| 1200mA | 1200 | 27.00001200-0675 | 27.00001200-0875 |
| 1300mA | 1300 | 27.00001300-0675 | 27.00001300-0875 |
| 1350mA | 1350 | 27.00001350-0675 | 27.00001350-0875 |
| 1400mA | 1400 | 27.00001400-0675 | 27.00001400-0875 |
| 1500mA | 1500 | 27.00001500-0675 | 27.00001500-0875 |
| 1600mA | 1600 | 27.00001600-0675 | 27.00001600-0875 |
| 1650mA | 1650 | 27.00001650-0675 | 27.00001650-0875 |
| 1700mA | 1700 | 27.00001700-0675 | 27.00001700-0875 |
| 1800mA | 1800 | 27.00001800-0675 | 27.00001800-0875 |






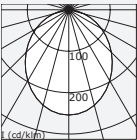
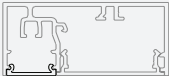




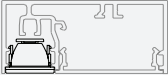


LED DIFFUSERS



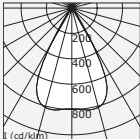
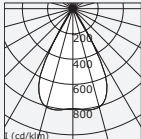
| code | type |
|---------------|--------------------|
| 02.47800-0000 | satin LED diffuser |



—COC180
h=66% CIE 50 80 96 99 66



| code | type |
|---------------|----------------------------------|
| 02.47710-0103 | LRLC optic matte chrome – L280mm |
| 02.47710-9105 | LRLB optic matte black – L280mm |
| 02.47710-9110 | LRLW optic matte white – L280mm |




h=83% CIE 98 99 100 100 83 h=81% CIE 98 99 100 99 81 h=85% CIE 95 98 99 100 85

UGR <19

in case the 150mA current setting is combined with a white louvre (LRLW), the UGR is 15,8/19,4 (at 4H/8H)
bij de combinatie van een 150mA aansturing en een witte raster (LRLW) is de UGR 15,8/19,4 (bij 4H/8H)
si le courant de 150mA est combiné avec une grille blanche (LRLW), l'UGR est 15,8/19,4 (à 4H/8H)
wenn die 150 mA Stromeinstellung mit einem weißen Raster (LRLW) kombiniert wird, beträgt das UGR 15,8/19,4 (bei 4H/8H)

EMERGENCY MODULES



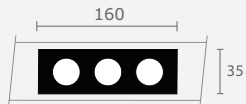
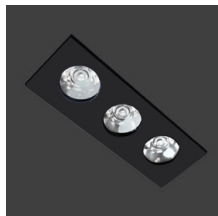
| code | type |
|---------------|----------------------------------------|
| 27.00290-0000 | LED emergency 1h 350lm – selftest |
| 27.00291-0000 | LED emergency 3h 350lm – selftest |
| 27.00292-0000 | LED emergency 1h 350lm – selftest DALI |
| 27.00293-0000 | LED emergency 3h 350lm – selftest DALI |

emergency module can only be integrated if the profile is at least 1000 mm (1h) or 1200 mm (3h) long
integratie noodmodule alleen mogelijk als het profiel minstens 1000mm (1h) of 1200mm (3h) lang is
pour l'intégration du module de secours, le profilé doit avoir une longueur minimale de 1000 mm (1h) ou 1200 mm (3h)
Das Notmodul kann nur integriert werden, wenn das Profil mindestens 1000 mm (1h) oder 1200 mm (3h) lang ist

All inserts connected to a driver with emergency are powered by the emergency function. The 350lm from the emergency are distributed over all the inserts on this driver
Alle inserts die op een driver met nood zijn aangesloten, worden op nood geschakeld. De 350lm van de nood worden over alle inserts op deze driver verdeeld
Tous les modules connectés à un driver avec secours sont alimentés par la fonction de secours. Les 350lm du secours sont distribués à tous les modules sur ce driver
Alle Einsätze, die an einen Driver mit Not angeschlossen sind, werden auf Not geschaltet. Die 350lm des Notes werden über alle Einsätze auf diesem Treiber verteilt



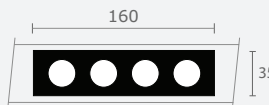
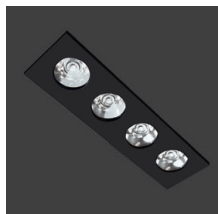
ACCESSORIES



code type

| | |
|----------------|------------------------------------|
| 27.470132-9999 | LED downlight 3x1W 2700K 357lm 8° |
| 27.470232-9999 | LED downlight 3x1W 2700K 357lm 32° |
| 27.470133-9999 | LED downlight 3x1W 3000K 378lm 8° |
| 27.470233-9999 | LED downlight 3x1W 3000K 378lm 32° |
| 27.470134-9999 | LED downlight 3x1W 4000K 399lm 8° |
| 27.470234-9999 | LED downlight 3x1W 4000K 399lm 32° |

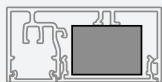
order drivers separately · voedingen apart bestellen · commandez l'alimentation séparément · Treiber separat bestellen



code type

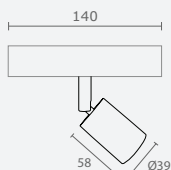
| | |
|----------------|------------------------------------|
| 27.470142-9999 | LED downlight 4x1W 2700K 476lm 8° |
| 27.470242-9999 | LED downlight 4x1W 2700K 476lm 32° |
| 27.470143-9999 | LED downlight 4x1W 3000K 504lm 8° |
| 27.470243-9999 | LED downlight 4x1W 3000K 504lm 32° |
| 27.470144-9999 | LED downlight 4x1W 4000K 532lm 8° |
| 27.470244-9999 | LED downlight 4x1W 4000K 532lm 32° |

order drivers separately · voedingen apart bestellen · commandez l'alimentation séparément · Treiber separat bestellen



| code | type | dim | 3x1W-350mA # downlights | 4x1W-350mA # downlights |
|-----------------|----------------|---------|----------------------------|----------------------------|
| 27.0000917-0608 | LED driver 8W | - | 1-2 | 1 |
| 27.0000917-0625 | LED driver 25W | - | 3-5 | 2-4 |
| 27.0000917-0650 | LED driver 50W | - | 6-14 | 5-10 |
| 27.0000917-0810 | LED driver 10W | DALI | 1-3 | 1-2 |
| 27.0000917-0825 | LED driver 25W | DALI/TD | 3-5 | 2-4 |
| 27.0000917-0850 | LED driver 50W | DALI/TD | 6-14 | 5-10 |

TD = touch-dim



code type

| | |
|----------------|-------------------------|
| 27.000152-9999 | spot 5W 2700K 482lm 10° |
| 27.000252-9999 | spot 5W 2700K 482lm 25° |
| 27.000352-9999 | spot 5W 2700K 482lm 40° |
| 27.000153-9999 | spot 5W 3000K 500lm 10° |
| 27.000253-9999 | spot 5W 3000K 500lm 25° |
| 27.000353-9999 | spot 5W 3000K 500lm 40° |
| 27.000154-9999 | spot 5W 4000K 532lm 10° |
| 27.000254-9999 | spot 5W 4000K 532lm 25° |
| 27.000354-9999 | spot 5W 4000K 532lm 40° |

CRI
>90

order drivers separately · voedingen apart bestellen · commandez l'alimentation séparément · Treiber separat bestellen

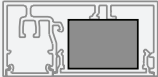


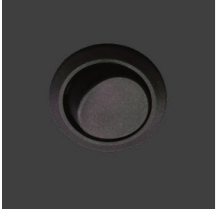
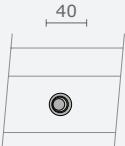
9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet


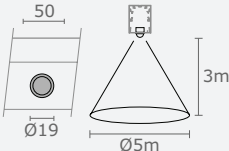


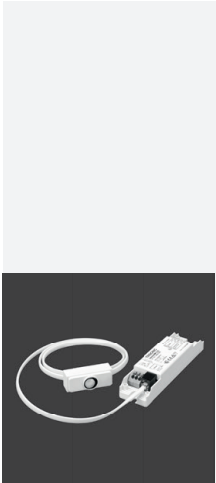

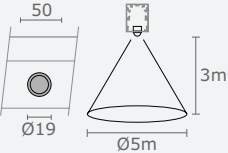





| | code | type | dim | 5W-200mA # spots |
|-----------------------------------------------------------------------------------|-----------------|----------------|---------|---------------------|
|  | 27.0000916-0625 | LED driver 25W | - | 1-2 |
| | 27.0000916-0650 | LED driver 50W | - | 3-5 |
| | 27.0000916-0825 | LED driver 25W | DALI/TD | 1-2 |
| | 27.0000916-0850 | LED driver 50W | DALI/TD | 3-5 |
| TD = touch-dim | | | | |

| | code | type |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------|
|  | 27.00040-9005 | black push switch ON/OFF 250V/10Amp |
| | 27.00041-9005 | black push switch ON/OFF+dimming 250V/10Amp |
|  | | |
| 27.00041-9005 only with DALI/TD dimmable insert, max. 4 drivers per push switch 27.00041-9005 enkel met DALI/TD dimbare module, max. 4 drivers per drukknop 27.00041-9005 seulement avec module dimmable DALI/TD, 4 drivers par bouton poussoir au maximum 27.00041-9005 nur mit DALI/TD dimmbarem Einsatz, Maximal 4 Treiber pro Druckknopf | | |

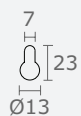
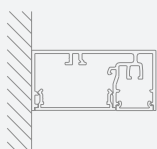
| | code | type |
|-----------------------------------------------------------------------------------|---------------|--------------------------------|
|  | 27.00105-0000 | motion detector max. 2 drivers |
| | | |
|  | | |
| stand-alone system that cannot be connected in parallel | | |

| | code | type |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------|
|  | 27.00106-0000 | white daylight and/or motion detector – max. 2x 5 drivers |
| | 27.00106-9005 | black daylight and/or motion detector – max. 2x 5 drivers |
| only with DALI dimmable insert · enkel met DALI dimbare module · seulement avec module dimmable DALI · nur mit DALI dimmbarem Einsatz including remote control for on/off + dimming inclusief afstandsbediening voor aan/uit + dimmen commande inclus pour allumer/éteindre + régler l'intensité de la lumière Fernbedienung einbegriffen um ein-/aus zu schalten + zu dimmen | | |
| stand-alone system that cannot be connected in parallel | | |
|    | | |

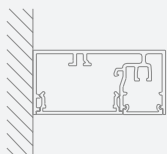
| | code | type |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|
|  | 22.99122-0000 | remote control |
| | | |
| to order together with the daylight & motion detector (27.00106-0000) | | |
| remote control suitable for extensive configuration of sensor (only motion, only daylight or both,...) afstandsbediening geschikt voor uitgebreide instelling van sensor (enkel beweging, enkel daglicht of beide,...) commande appropriée pour le réglage du détecteur (seulement du mouvement, seulement de la lumière du jour ou tous les deux,...) Fernbedienung geeignet für ausführliche Einstellung des Sensors (nur Bewegung, nur Tageslicht oder beide,...) | | |



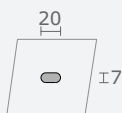
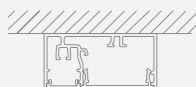
FIXATIONS



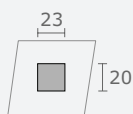
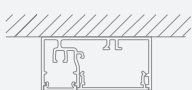
code type
03.47207-0000 key hole



code type
03.47208-0000 entry hole for power cable



code type
03.47206-0000 slot for direct mounting



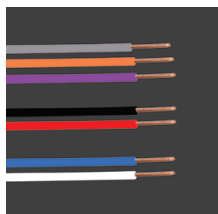
code type
03.47205-0000 entry hole for power cable

center of power supply hole at minimum 35mm from the end
center van voedingsgat op minimum 35mm van het uiteinde
centre du trou d'alimentation à au moins 35mm de l'extrémité
Mitte der Öffnung für die Einspeisung mindestens 35mm vom Ende entfernt

ADDITIONAL WIRING



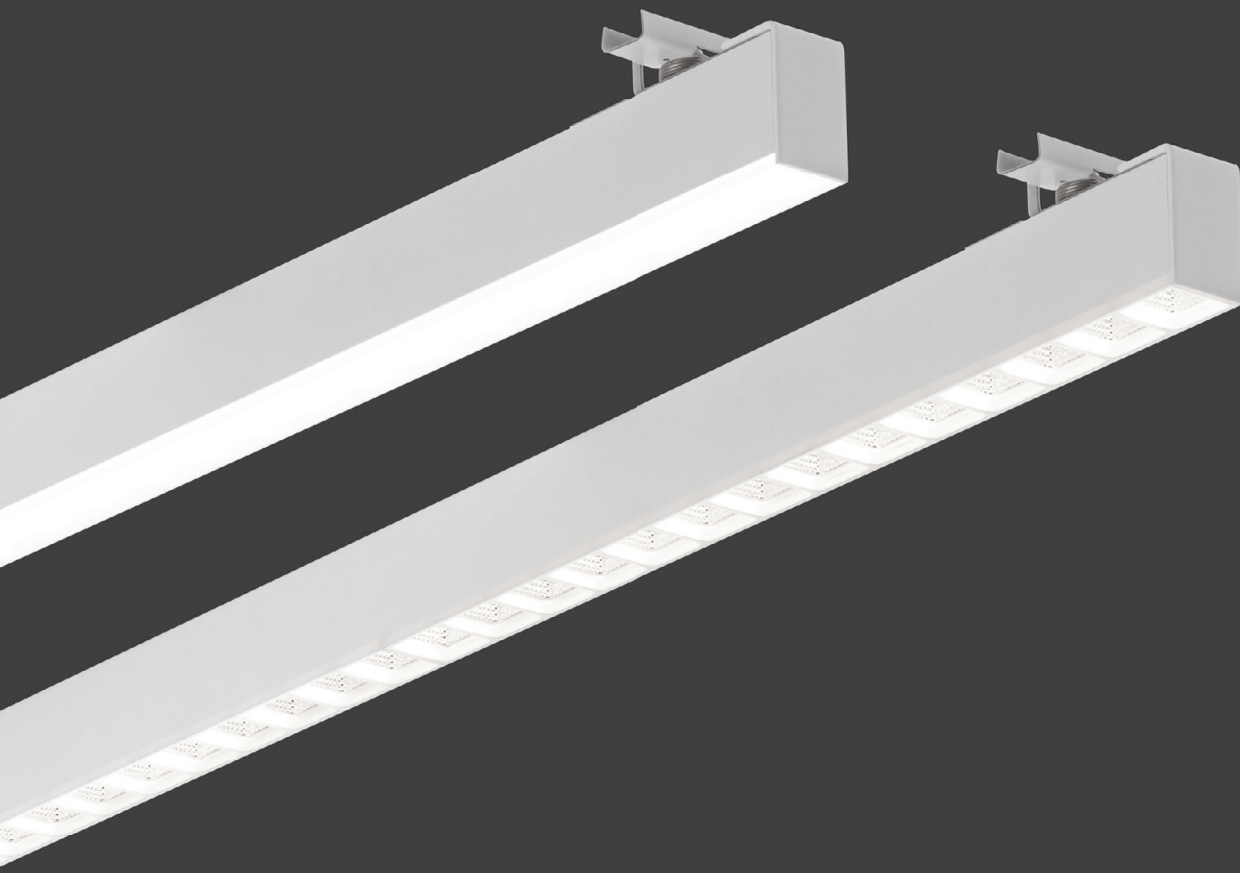
standard wiring **1 switching circuit with 3 cables 1,5mm²: L = phase (brown), N = neutral (blue), earthing (yellow-green)**
standaard bedrading 1 schakelkring met 3 kabels 1,5mm²: L = fase (bruin), N = nulleider (blauw), aarding (geel-groen)
câblage standard 1 circuit avec 3 câbles 1,5mm²: L = phase (brun), N = neutre (bleu), terre (jaune-vert)
standard Verdrahtung 1 Schaltkreis mit 3 Kabeln 1,5mm²: L = Phase (braun), N = Nulleiter (blau), Erdung (gelb-grün)



code type
23.00099-1150 1 cable 1,5mm² for additional switching circuit (grey or orange or violet)
23.00099-2075 2 cables 0,75mm² for dimming (black & red)
23.00099-2150 2 cables 1,5mm² for emergency module supply (white & blue)

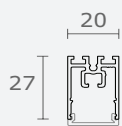


REKTA 20



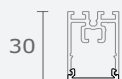


PROFILES & INFILL PANELS



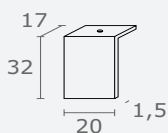
| code | type |
|---------------|-------------|
| 09.42105-9999 | profile RAL |

when using only LED inserts, the correct length = (number of inserts * 280) + 3mm
bij gebruik van enkel LED modules, is de correcte lengte = (aantal modules * 280) + 3mm
en cas d'utilisation de que des modules de LED, la longueur correcte = (nombre de modules * 280) + 3mm
wenn nur LED Einsätze verwendet werden, ist die richtige Länge = (Anzahl der Einsätze * 280) + 3mm

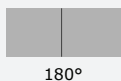


| code | type |
|---------------|------------------|
| 09.42102-9999 | infill panel RAL |

END CAPS & CORNERS

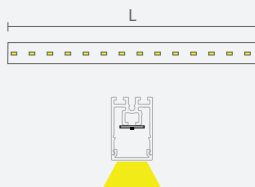


| code | type |
|---------------|-------------|
| 01.42180-9999 | end cap RAL |



| code | type |
|---------------|----------------------|
| 01.42160-0000 | In-line coupler 180° |

LED INSERTS

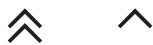


| code | type |
|---------------|-------------------------------------------|
| 27.42710-4030 | LED insert incl. lens for louvre – L280mm |
| 27.42810-4030 | LED insert for diffuser – L280mm |

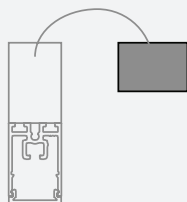


9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet

27= 2700K
30= 3000K
40= 4000K







| code | type | dim |
|---------------------------------------|-----------------|---------|
| 27.42e ¹ wwww- l610 | LED driver 10W | - |
| 27.42e ¹ wwww- l617 | LED driver 17W | - |
| 27.42e ¹ wwww- l625 | LED driver 25W | - |
| 27.42e ¹ wwww- l645 | LED driver 45W | - |
| 27.42e ¹ wwww- l660 | LED driver 60W | - |
| 27.42e ¹ wwww- l600 | LED driver 100W | - |
| 27.42e ¹ wwww- l810 | LED driver 10W | DALI/TD |
| 27.42e ¹ wwww- l817 | LED driver 17W | DALI/TD |
| 27.42e ¹ wwww- l825 | LED driver 25W | DALI/TD |
| 27.42e ¹ wwww- l845 | LED driver 45W | DALI/TD |
| 27.42e ¹ wwww- l860 | LED driver 60W | DALI/TD |
| 27.42e ¹ wwww- l800 | LED driver 100W | DALI/TD |

TD = touch-dim

step 1: Select in table 1 the # of inserts by adding up the inserts from all the luminaires connected to 1 driver and select then the desired current setting 75mA/100mA/125mA/150mA. This will give you the total mA.
step 2: Look in table 2 for the corresponding total mA and choose the desired driver.
step 3: Choose the required number of connectors and replace the 'e' in the article code with this number (See examples page 59-60).
Please note that a maximum of 12 inserts can be used on one connector.

step 1: Kies in tabel 1 eerst het # inserts door de inserts op te tellen van alle armaturen die op 1 driver zijn aangesloten en kies daarna de gewenste aansturing 75mA/100mA/125mA/150mA. Zo krijgt u de totale mA.
step 2: Kijk in tabel 2 naar de overeenkomende totale mA en kies de gewenste driver.
step 3: Kies het geschikte aantal connectors en vervang daarmee de 'e' in de artikelcode (zie voorbeelden pagina 59-60).
Opgelet, op één connector kunnen maximaal 12 inserts worden voorzien.

étape 1 : Sélectionnez dans le table 1 le nombre d'inserts en additionnant les inserts de tous les luminaires connectés à un driver et sélectionnez ensuite le courant souhaité 75mA/100mA/125mA/150mA. Vous obtiendrez ainsi le total mA.
étape 2 : Cherchez dans le tableau 2 le total mA correspondant et choisissez le driver souhaité.
étape 3 : Choisissez le nombre approprié de connecteurs et remplacez le 'e' dans le code de l'article par ce nombre (Voir exemples page 59-60).
attention : un maximum de 12 inserts peut être utilisé sur un connecteur.

Schritt 1: Wählen Sie in Tabelle 1 die Anzahl der Einsätze, indem Sie die Einsätze aller an einen Treiber angeschlossenen Leuchten addieren, und wählen Sie dann die gewünschte Stromeinstellung 75mA/100mA/125mA/150mA. So erhalten Sie den total mA.
Schritt 2: Suchen Sie in Tabelle 2 den entsprechenden total mA und wählen Sie den gewünschten Treiber.
Schritt 3: Wählen Sie die entsprechende Anzahl von Verbindern und ersetzen Sie das 'e' im Artikelcode mit dieser Anzahl (Siehe Beispiele Seite 59-60).
Bitte beachten Sie, dass maximal 12 Inserts in Kombination mit einem Verbinder verwendet werden können.

All inserts connected to a driver with emergency are powered by the emergency function. The 350lm from the emergency are distributed over all the inserts on this driver · Alle inserts die op een driver met nood zijn aangesloten, worden op nood geschakeld. De 350lm van de nood worden over alle inserts op deze driver verdeeld · Tous les modules connectés à un driver avec secours sont alimentés par la fonction de secours. Les 350lm du secours sont distribués à tous les modules sur ce driver · Alle Einsätze, die an einen Driver mit Not angeschlossen sind, werden auf Not geschaltet. Die 350lm des Notes werden über alle Einsätze auf diesem Treiber verteilt

Table 1

| # inserts | 75mA 3,0W 575lm/insert total mA | 100mA 4,0W 775lm/insert total mA | 125mA 5,0W 930lm/insert total mA | 150mA 6,0W 1100lm/insert total mA |
|-----------|---------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------|
| 1 | - | - | - | 150mA |
| 2 | 150mA | 200mA | 250mA | 300mA |
| 3 | 225mA | 300mA | 375mA | 450mA |
| 4 | 300mA | 400mA | 500mA | 600mA |
| 5 | 375mA | 500mA | 625mA | 750mA |
| 6 | 450mA | 600mA | 750mA | 900mA |
| 7 | 525mA | 700mA | 875mA | 1050mA |
| 8 | 600mA | 800mA | 1000mA | 1200mA |
| 9 | 675mA | 900mA | 1125mA | 1350mA |
| 10 | 750mA | 1000mA | 1250mA | 1500mA |
| 11 | 825mA | 1100mA | 1375mA | 1650mA |
| 12 | 900mA | 1200mA | 1500mA | 1800mA |
| 13 | 975mA | 1300mA | 1625mA | - |
| 14 | 1050mA | 1400mA | 1750mA | - |
| 15 | 1125mA | 1500mA | - | - |
| 16 | 1200mA | 1600mA | - | - |
| 17 | 1275mA | 1700mA | - | - |
| 18 | 1350mA | 1800mA | - | - |
| 19 | 1425mA | - | - | - |
| 20 | 1500mA | - | - | - |
| 21 | 1575mA | - | - | - |
| 22 | 1650mA | - | - | - |
| 23 | 1725mA | - | - | - |
| 24 | 1800mA | - | - | - |

l = emergency module

e = number of connectors



0= without EM
1= EM 1H
2= EM 1H DALI

1= one connector
2= two connectors
3= three connectors
4= four connectors



Table 2

| total mA | www | non dimmable | DALI/TD | non dimmable + EM1h | DALI + EM1h-ND | DALI + EM1h-DA |
|----------|------|-----------------|-----------------|---------------------|-----------------|-----------------|
| 150mA | 0150 | 27.42e0150-0610 | 27.42e0150-0810 | 27.42e0150-1610 | 27.42e0150-1810 | 27.42e0150-2810 |
| 200mA | 0200 | 27.42e0200-0610 | 27.42e0200-0810 | 27.42e0200-1610 | 27.42e0200-1810 | 27.42e0200-2810 |
| 225mA | 0225 | 27.42e0225-0610 | 27.42e0225-0810 | 27.42e0225-1610 | 27.42e0225-1810 | 27.42e0225-2810 |
| 250mA | 0250 | 27.42e0250-0617 | 27.42e0250-0817 | 27.42e0250-1617 | 27.42e0250-1817 | 27.42e0250-2817 |
| 300mA | 0300 | 27.42e0300-0617 | 27.42e0300-0817 | 27.42e0300-1617 | 27.42e0300-1817 | 27.42e0300-2817 |
| 375mA | 0375 | 27.42e0375-0617 | 27.42e0375-0817 | 27.42e0375-1617 | 27.42e0375-1817 | 27.42e0375-2817 |
| 400mA | 0400 | 27.42e0400-0617 | 27.42e0400-0817 | 27.42e0400-1617 | 27.42e0400-1817 | 27.42e0400-2817 |
| 450mA | 0450 | 27.42e0450-0625 | 27.42e0450-0825 | 27.42e0450-1625 | 27.42e0450-1825 | 27.42e0450-2825 |
| 500mA | 0500 | 27.42e0500-0625 | 27.42e0500-0825 | 27.42e0500-1625 | 27.42e0500-1825 | 27.42e0500-2825 |
| 525mA | 0525 | 27.42e0525-0625 | 27.42e0525-0825 | 27.42e0525-1625 | 27.42e0525-1825 | 27.42e0525-2825 |
| 600mA | 0600 | 27.42e0600-0625 | 27.42e0600-0825 | 27.42e0600-1625 | 27.42e0600-1825 | 27.42e0600-2825 |
| 625mA | 0625 | 27.42e0625-0645 | 27.42e0625-0845 | 27.42e0625-1645 | 27.42e0625-1845 | 27.42e0625-2845 |
| 675mA | 0675 | 27.42e0675-0645 | 27.42e0675-0845 | 27.42e0675-1645 | 27.42e0675-1845 | 27.42e0675-2845 |
| 700mA | 0700 | 27.42e0700-0645 | 27.42e0700-0845 | 27.42e0700-1645 | 27.42e0700-1845 | 27.42e0700-2845 |
| 750mA | 0750 | 27.42e0750-0645 | 27.42e0750-0845 | 27.42e0750-1645 | 27.42e0750-1845 | 27.42e0750-2845 |
| 800mA | 0800 | 27.42e0800-0645 | 27.42e0800-0845 | 27.42e0800-1645 | 27.42e0800-1845 | 27.42e0800-2845 |
| 825mA | 0825 | 27.42e0825-0645 | 27.42e0825-0845 | 27.42e0825-1645 | 27.42e0825-1845 | 27.42e0825-2845 |
| 875mA | 0875 | 27.42e0875-0645 | 27.42e0875-0845 | 27.42e0875-1645 | 27.42e0875-1845 | 27.42e0875-2845 |
| 900mA | 0900 | 27.42e0900-0645 | 27.42e0900-0845 | 27.42e0900-1645 | 27.42e0900-1845 | 27.42e0900-2845 |
| 975mA | 0975 | 27.42e0975-0645 | 27.42e0975-0845 | 27.42e0975-1645 | 27.42e0975-1845 | 27.42e0975-2845 |
| 1000mA | 1000 | 27.42e1000-0645 | 27.42e1000-0845 | 27.42e1000-1645 | 27.42e1000-1845 | 27.42e1000-2845 |
| 1050mA | 1050 | 27.42e1050-0645 | 27.42e1050-0845 | 27.42e1050-1645 | 27.42e1050-1845 | 27.42e1050-2845 |
| 1100mA | 1100 | 27.42e1100-0660 | 27.42e1100-0860 | 27.42e1100-1660 | 27.42e1100-1860 | 27.42e1100-2860 |
| 1125mA | 1125 | 27.42e1125-0660 | 27.42e1125-0860 | 27.42e1125-1660 | 27.42e1125-1860 | 27.42e1125-2860 |
| 1200mA | 1200 | 27.42e1200-0660 | 27.42e1200-0860 | 27.42e1200-1660 | 27.42e1200-1860 | 27.42e1200-2860 |
| 1250mA | 1250 | 27.42e1250-0660 | 27.42e1250-0860 | 27.42e1250-1660 | 27.42e1250-1860 | 27.42e1250-2860 |
| 1275mA | 1275 | 27.42e1275-0660 | 27.42e1275-0860 | 27.42e1275-1660 | 27.42e1275-1860 | 27.42e1275-2860 |
| 1300mA | 1300 | 27.42e1300-0660 | 27.42e1300-0860 | 27.42e1300-1660 | 27.42e1300-1860 | 27.42e1300-2860 |
| 1350mA | 1350 | 27.42e1350-0660 | 27.42e1350-0860 | 27.42e1350-1660 | 27.42e1350-1860 | 27.42e1350-2860 |
| 1375mA | 1375 | 27.42e1375-0660 | 27.42e1375-0860 | 27.42e1375-1660 | 27.42e1375-1860 | 27.42e1375-2860 |
| 1400mA | 1400 | 27.42e1400-0660 | 27.42e1400-0860 | 27.42e1400-1660 | 27.42e1400-1860 | 27.42e1400-2860 |
| 1425mA | 1425 | 27.42e1425-0600 | 27.42e1425-0800 | 27.42e1425-1600 | 27.42e1425-1800 | 27.42e1425-2800 |
| 1500mA | 1500 | 27.42e1500-0600 | 27.42e1500-0800 | 27.42e1500-1600 | 27.42e1500-1800 | 27.42e1500-2800 |
| 1575mA | 1575 | 27.42e1575-0600 | 27.42e1575-0800 | 27.42e1575-1600 | 27.42e1575-1800 | 27.42e1575-2800 |
| 1600mA | 1600 | 27.42e1600-0600 | 27.42e1600-0800 | 27.42e1600-1600 | 27.42e1600-1800 | 27.42e1600-2800 |
| 1625mA | 1625 | 27.42e1625-0600 | 27.42e1625-0800 | 27.42e1625-1600 | 27.42e1625-1800 | 27.42e1625-2800 |
| 1650mA | 1650 | 27.42e1650-0600 | 27.42e1650-0800 | 27.42e1650-1600 | 27.42e1650-1800 | 27.42e1650-2800 |
| 1700mA | 1700 | 27.42e1700-0600 | 27.42e1700-0800 | 27.42e1700-1600 | 27.42e1700-1800 | 27.42e1700-2800 |
| 1725mA | 1725 | 27.42e1725-0600 | 27.42e1725-0800 | 27.42e1725-1600 | 27.42e1725-1800 | 27.42e1725-2800 |
| 1750mA | 1750 | 27.42e1750-0600 | 27.42e1750-0800 | 27.42e1750-1600 | 27.42e1750-1800 | 27.42e1750-2800 |
| 1800mA | 1800 | 27.42e1800-0600 | 27.42e1800-0800 | 27.42e1800-1600 | 27.42e1800-1800 | 27.42e1800-2800 |

non dimmable = non dimmable driver

DALI/TD = DALI/touch-dim driver

non dimmable + EM1h = non dimmable driver + standard self-testing emergency unit 1h

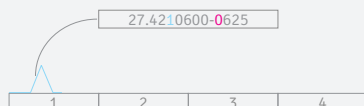
DALI + EM1h-ND = DALI dimmable driver + standard self-testing emergency unit 1h

DALI + EM1h-DA = DALI dimmable driver + DALI self-testing emergency unit 1h

examples

4 LED inserts x 150mA = 600mA

- without emergency
- non dimmable driver



l= emergency module

- 0**= without EM
- 1**= EM 1H
- 2**= EM 1H DALI

e= number of connectors

- 1**= one connector
- 2**= two connectors
- 3**= three connectors
- 4**= four connectors



examples

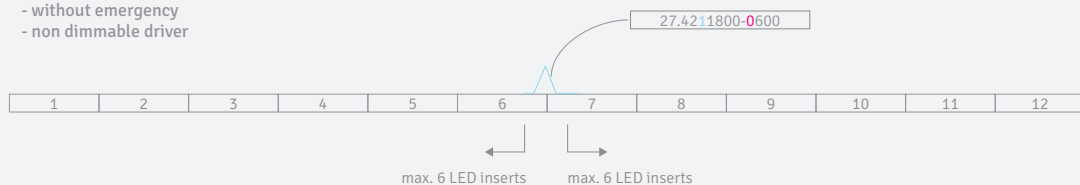
10 LED inserts x 125mA = 1250mA

- without emergency
- DALI dimmable driver



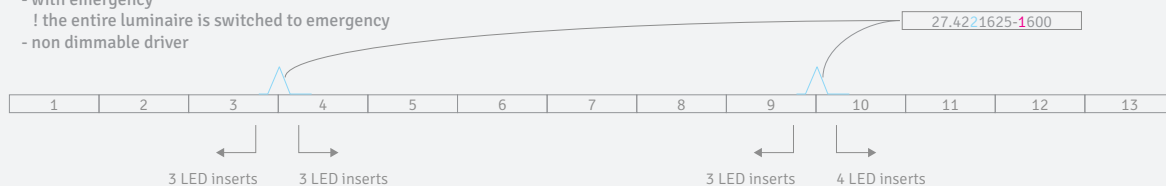
12 LED inserts x 150mA = 1800mA

- without emergency
- non dimmable driver



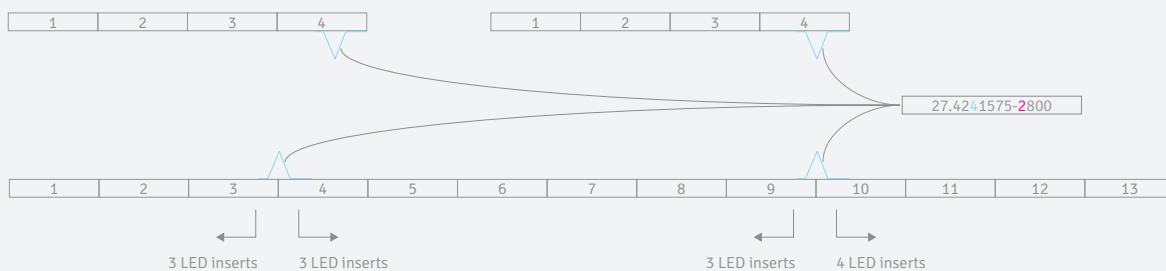
13 LED inserts x 125mA = 1625mA

- with emergency
- ! the entire luminaire is switched to emergency
- non dimmable driver



21 LED inserts x 75mA = 1575mA

- with DALI emergency
- ! all entire luminaires are switched to emergency
- DALI dimmable driver



l = emergency module

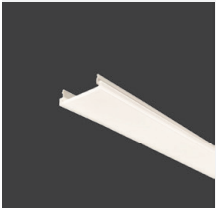
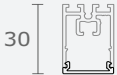
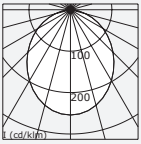
- 0** = without EM
- 1** = EM 1H
- 2** = EM 1H DALI


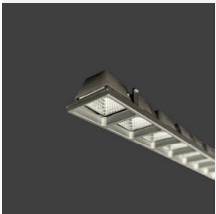


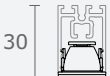
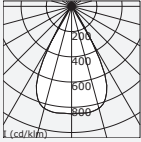
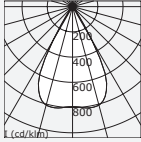
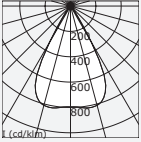
e = number of connectors

- 1** = one connector
- 2** = two connectors
- 3** = three connectors
- 4** = four connectors



LED DIFFUSERS

| | code | type |
|-----------------------------------------------------------------------------------|-------------------------------------|--------------------|
|  | 02.42800-0000 | satin LED diffuser |
|  | | |
|  | | |
| | —COC180 h=66% CIE 50 80 96 99 66 | |

| | code | type |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------|
|  | 02.42710-0103 | LRLC optic matte chrome – L280mm |
| | 02.42710-9105 | LRLB optic matte black – L280mm |
| | 02.42710-9110 | LRLW optic matte white – L280mm |
| <p>in case the 150mA current setting is combined with a white louvre (LRLW), the UGR is 15,8/19,4 (at 4H/8H) bij de combinatie van een 150mA aansturing en een witte raster (LRLW) is de UGR 15,8/19,4 (bij 4H/8H) si le courant de 150mA est combiné avec une grille blanche (LRLW), l'UGR est 15,8/19,4 (à 4H/8H) wenn die 150 mA Stromeinstellung mit einem weißen Raster (LRLW) kombiniert wird, beträgt das UGR 15,8/19,4 (bei 4H/8H)</p> | | |
|  | | |
|  | | |
|  | | |
| | |  |
|  | | |
| | —COC180 h=83% CIE 98 99 100 100 83 | |
|  | | |
| | —COC180 h=81% CIE 98 99 100 99 81 | |
|  | | |
| | —COC180 h=85% CIE 95 98 99 100 85 | |

ACCESSORIES

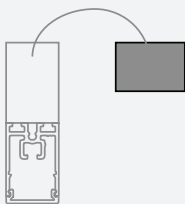
| | code | type |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------|
|  | 27.000152-9999 | spot 5W 2700K 482lm 10° |
| | 27.000252-9999 | spot 5W 2700K 482lm 25° |
| | 27.000352-9999 | spot 5W 2700K 482lm 40° |
| | 27.000153-9999 | spot 5W 3000K 500lm 10° |
| | 27.000253-9999 | spot 5W 3000K 500lm 25° |
| | 27.000353-9999 | spot 5W 3000K 500lm 40° |
| | 27.000154-9999 | spot 5W 4000K 532lm 10° |
| | 27.000254-9999 | spot 5W 4000K 532lm 25° |
| | 27.000354-9999 | spot 5W 4000K 532lm 40° |
|  | | |
|  | order drivers separately · voedingen apart bestellen · commandez l'alimentation séparément · Treiber separat bestellen | |



9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet







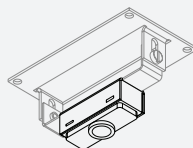
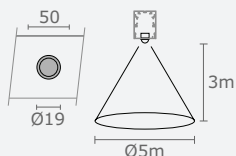
| code | type | dim | 5W-200mA # spots |
|-----------------|----------------|---------|---------------------|
| 27.42e0200-l610 | LED driver 10W | - | 1 |
| 27.42e0400-l617 | LED driver 17W | - | 2 |
| 27.42e0600-l625 | LED driver 25W | - | 3 |
| 27.42e0800-l645 | LED driver 45W | - | 4 |
| 27.42e1000-l645 | LED driver 45W | - | 5 |
| 27.42e0200-l810 | LED driver 10W | DALI/TD | 1 |
| 27.42e0400-l817 | LED driver 17W | DALI/TD | 2 |
| 27.42e0600-l825 | LED driver 25W | DALI/TD | 3 |
| 27.42e0800-l845 | LED driver 45W | DALI/TD | 4 |
| 27.42e1000-l845 | LED driver 45W | DALI/TD | 5 |

TD = touch-dim

| code | type |
|---------------|--------------------------------|
| 27.42105-0000 | motion detector max. 2 drivers |

the sensors can be placed between the slats of a climate ceiling
 de sensoren kunnen tussen de lamellen van een klimaatplafond geplaatst worden
 les détecteurs de mouvement peuvent être placés entre les lattes d'un plafond climatique
 die Sensoren können zwischen den Lamellen einer Klimadecke montiert werden

stand-alone system that cannot be connected in parallel



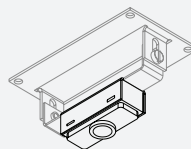
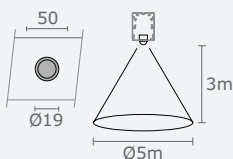
| code | type |
|---------------|-----------------------------------------------------------|
| 27.42106-0000 | white daylight and/or motion detector – max. 2x 5 drivers |
| 27.42106-9005 | black daylight and/or motion detector – max. 2x 5 drivers |

only with DALI dimmable insert • enkel met DALI dimbare module • seulement avec module dimmable DALI • nur mit DALI dimmbarem Einsatz

including remote control for on/off + dimming
 inclusief afstandsbediening voor aan/uit + dimmen
 commande inclus pour allumer/éteindre + régler l'intensité de la lumière
 Fernbedienung einbegriffen um ein-/aus zu schalten + zu dimmen

the sensors can be placed between the slats of a climate ceiling
 de sensoren kunnen tussen de lamellen van een klimaatplafond geplaatst worden
 les détecteurs de mouvement peuvent être placés entre les lattes d'un plafond climatique
 die Sensoren können zwischen den Lamellen einer Klimadecke montiert werden

stand-alone system that cannot be connected in parallel



| code | type |
|---------------|----------------|
| 22.99122-0000 | remote control |

to order together with the daylight & motion detector (27.00106-0000)

remote control suitable for extensive configuration of sensor (only motion, only daylight or both,...)
 afstandsbediening geschikt voor uitgebreide instelling van sensor (enkel beweging, enkel daglicht of beide,...)
 commande appropriée pour le réglage du détecteur (seulement du mouvement, seulement de la lumière du jour ou tous les deux,...)
 Fernbedienung geeignet für ausführliche Einstellung des Sensors (nur Bewegung, nur Tageslicht oder beide,...)

| i | l= emergency module | e= number of connectors |
|----|---------------------|-------------------------|
| 0= | without EM | 1= one connector |
| 1= | EM 1H | 2= two connectors |
| 2= | EM 1H DALI | 3= three connectors |
| | | 4= four connectors |



for integration in a DALI-network, fully programmable
 voor integratie in een DALI-netwerk, volledig programmeerbaar
 pour intégration dans un réseau DALI, entièrement programmable
 zur Integration in ein DALI-Netzwerk, voll programmierbar

including remote control for on/off + dimming
 inclusief afstandsbediening voor aan/uit + dimmen
 commande inclus pour allumer/éteindre + régler l'intensité de la lumière
 Fernbedienung einbezogen um ein-/aus zu schalten + zu dimmen

code

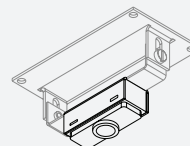
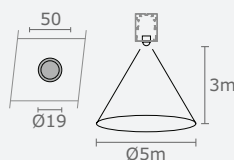
type

27.42117-9010
 27.42117-9005

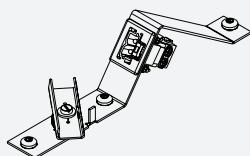
white daylight and/or motion detector - DALI-2 sensor 9mA
 black daylight and/or motion detector - DALI-2 sensor 9mA

the sensors can be placed between the slats of a climate ceiling

de sensoren kunnen tussen de lamellen van een klimaatplafond geplaatst worden
 les détecteurs de mouvement peuvent être placés entre les lattes d'un plafond climatique
 die Sensoren können zwischen den Lamellen einer Klimadecke montiert werden



SUSPENSIONS & CABLES

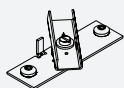


code

type

03.42000-0000

mounting system including male connector

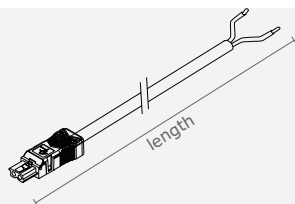


code

type

03.42001-0000

mounting system without connector

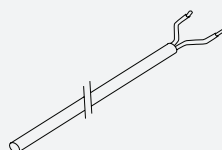


code

type

23.00290-9010
 23.00291-9010
 23.00292-9010
 23.00293-9010
 23.00294-9010
 23.00295-9010

white cable 2-pole 0,5m ECA halogen free + female connector
 white cable 2-pole 1m ECA halogen free + female connector
 white cable 2-pole 2m ECA halogen free + female connector
 white cable 2-pole 3m ECA halogen free + female connector
 white cable 2-pole 4m ECA halogen free + female connector
 white cable 2-pole 5m ECA halogen free + female connector



code

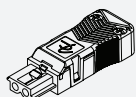
type

23.24070-9005

black cable 2-pole per meter ECA halogen free

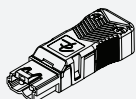
must be combined with a female connector

moet met een vrouwelijke connector worden gecombineerd
 doit être combiné avec un connecteur femelle
 muss mit einem weiblichen Verbinder kombiniert werden



| | |
|---------------|-------------------------------------|
| code | type |
| 23.00201-9010 | female connector with strain relief |

the female connector is necessary in combination with the 23.24070-9005 or when the installer uses his own cable between the Rekta 20 luminaire and driver
 de vrouwelijke connector is nodig in combinatie met de 23.24070-9005 of wanneer de klant een eigen kabel tussen de Rekta 20 armatuur en driver voorziet
 le connecteur femelle est nécessaire en combinaison avec le 23.24070-9005 ou lorsque l'installateur utilise son propre câble entre le luminaire Rekta 20 et le driver
 Der weibliche Verbinder wird in Kombination mit der 23.24070-9005 benötigt oder wenn der Installateur sein eigenes Kabel zwischen der Rekta 20 Leuchte und dem Treiber verwendet

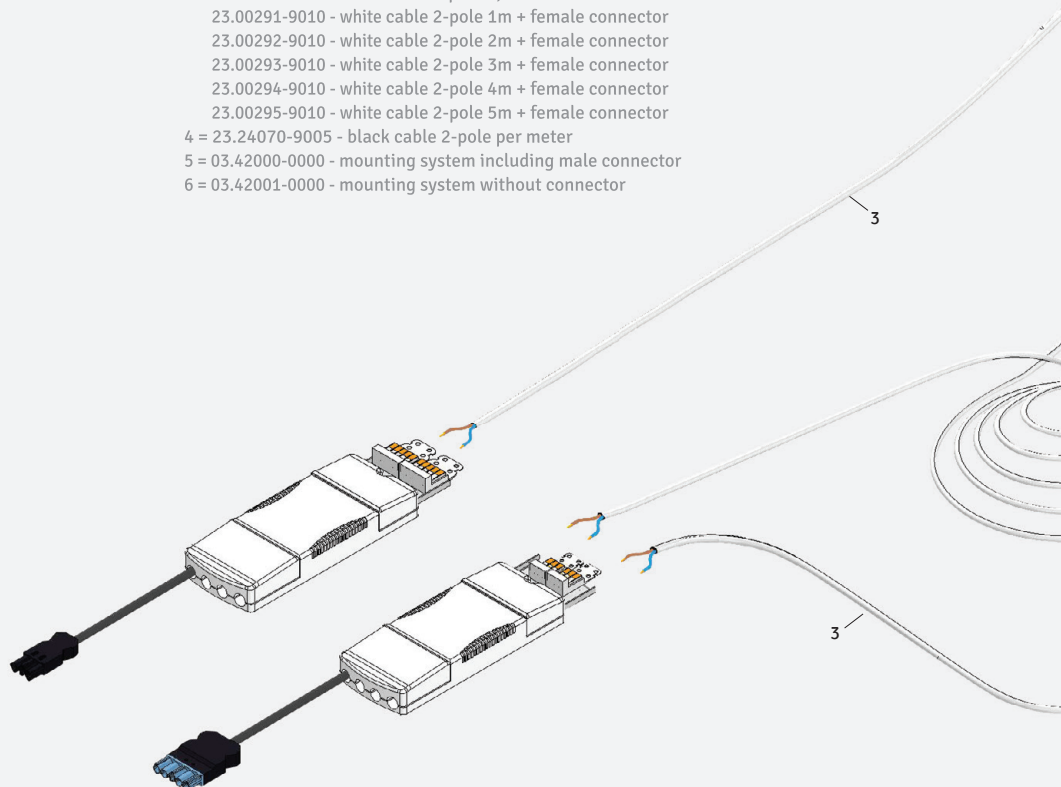


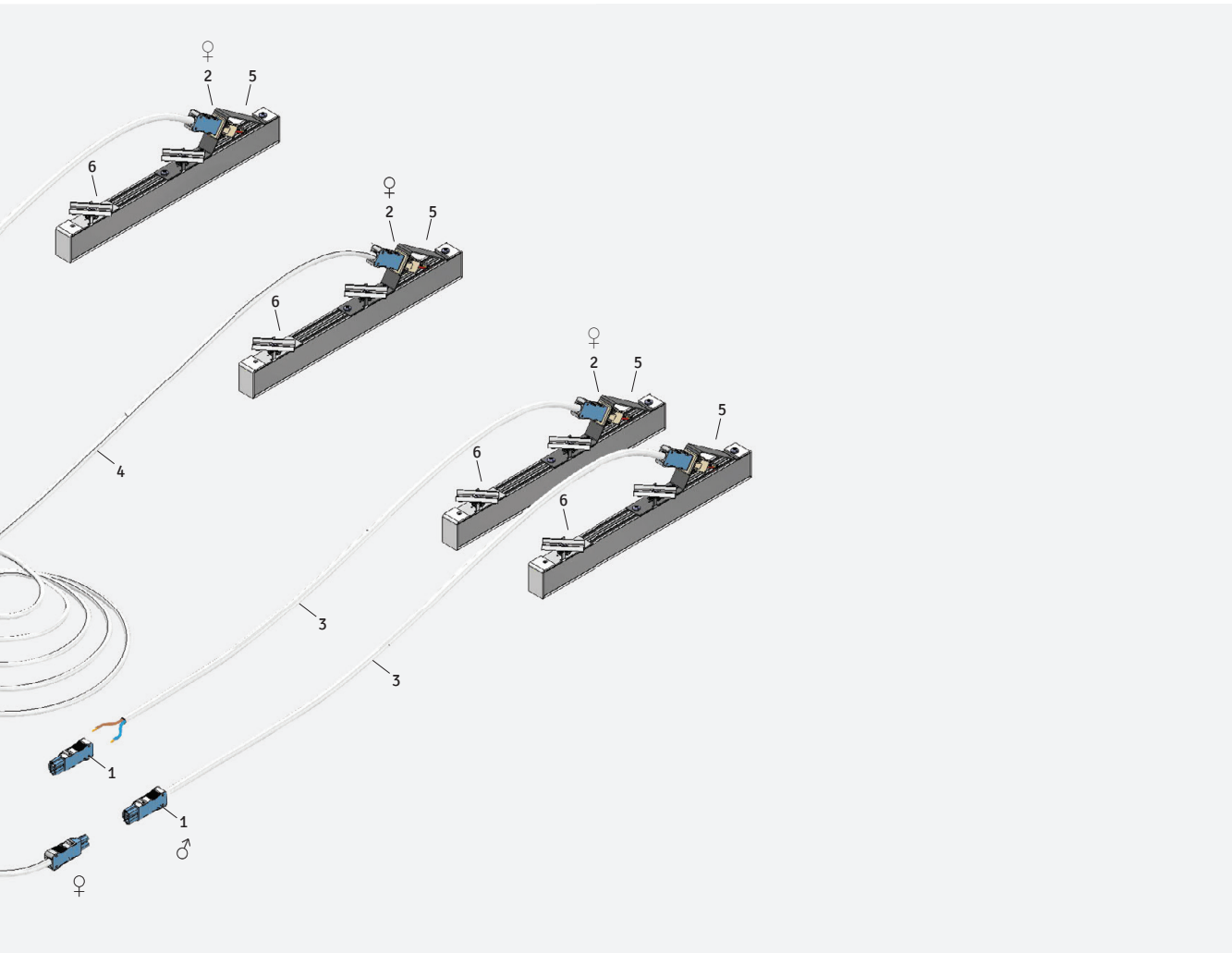
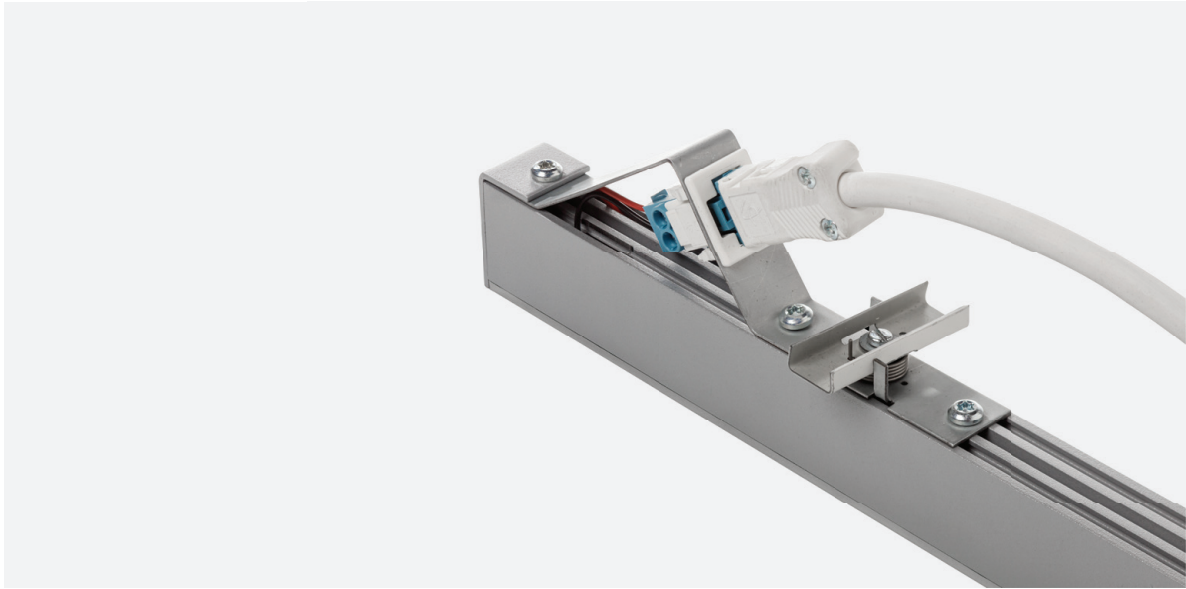
| | |
|---------------|-----------------------------------|
| code | type |
| 23.00200-9010 | male connector with strain relief |

the male connector is necessary when 2 cables have to be connected
 de mannelijke connector is nodig wanneer 2 kabels met elkaar worden verbonden
 le connecteur mâle est nécessaire lorsque 2 câbles doivent être connectés
 der männliche Verbinder ist erforderlich, wenn 2 Kabel miteinander verbunden werden

INFO - WIRING DIAGRAM

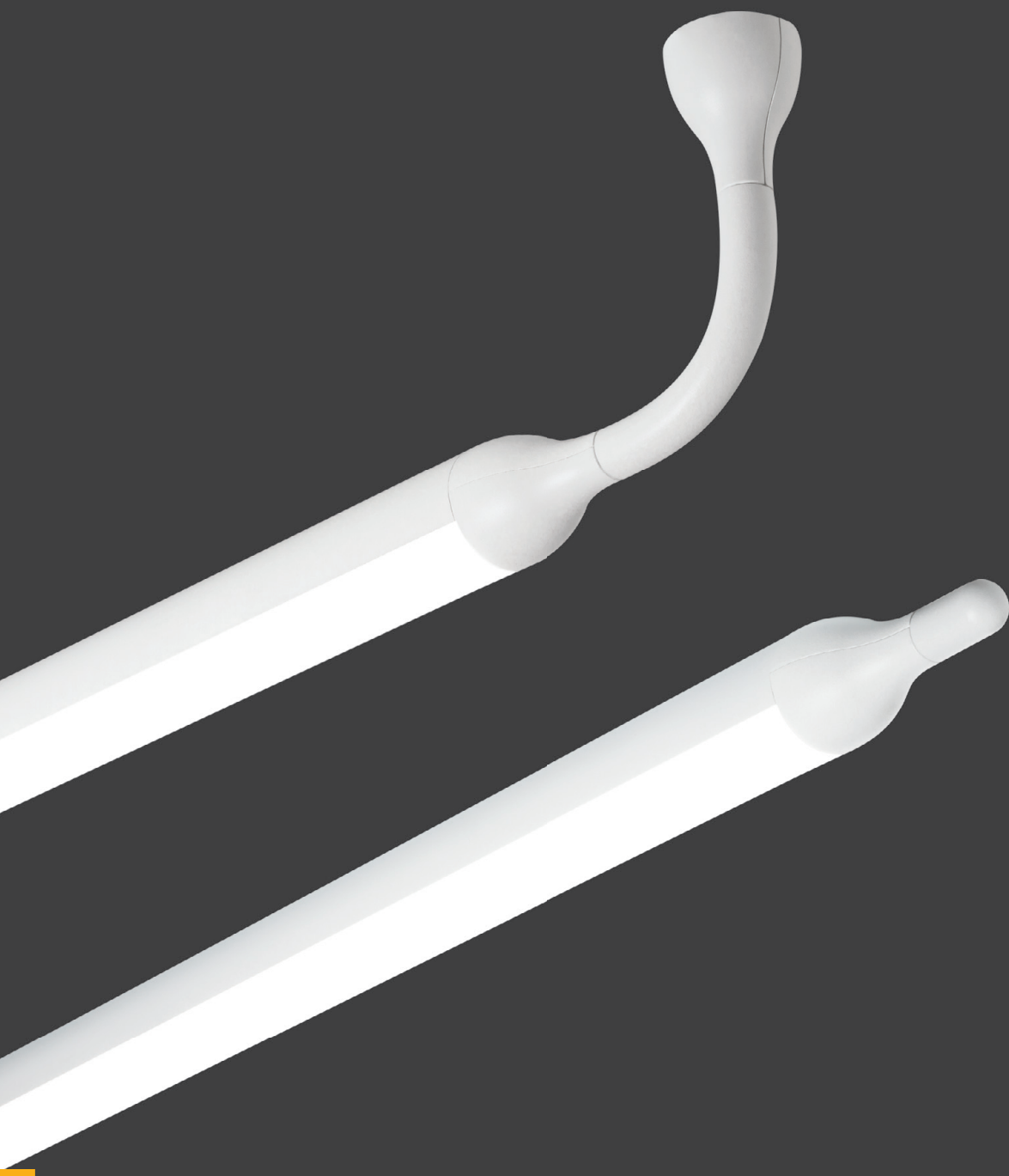
- 1 = 23.00200-9010 - male connector with strain relief
- 2 = 23.00201-9010 - female connector with strain relief
- 3 = 23.00290-9010 - white cable 2-pole 0,5m + female connector
- 23.00291-9010 - white cable 2-pole 1m + female connector
- 23.00292-9010 - white cable 2-pole 2m + female connector
- 23.00293-9010 - white cable 2-pole 3m + female connector
- 23.00294-9010 - white cable 2-pole 4m + female connector
- 23.00295-9010 - white cable 2-pole 5m + female connector
- 4 = 23.24070-9005 - black cable 2-pole per meter
- 5 = 03.42000-0000 - mounting system including male connector
- 6 = 03.42001-0000 - mounting system without connector





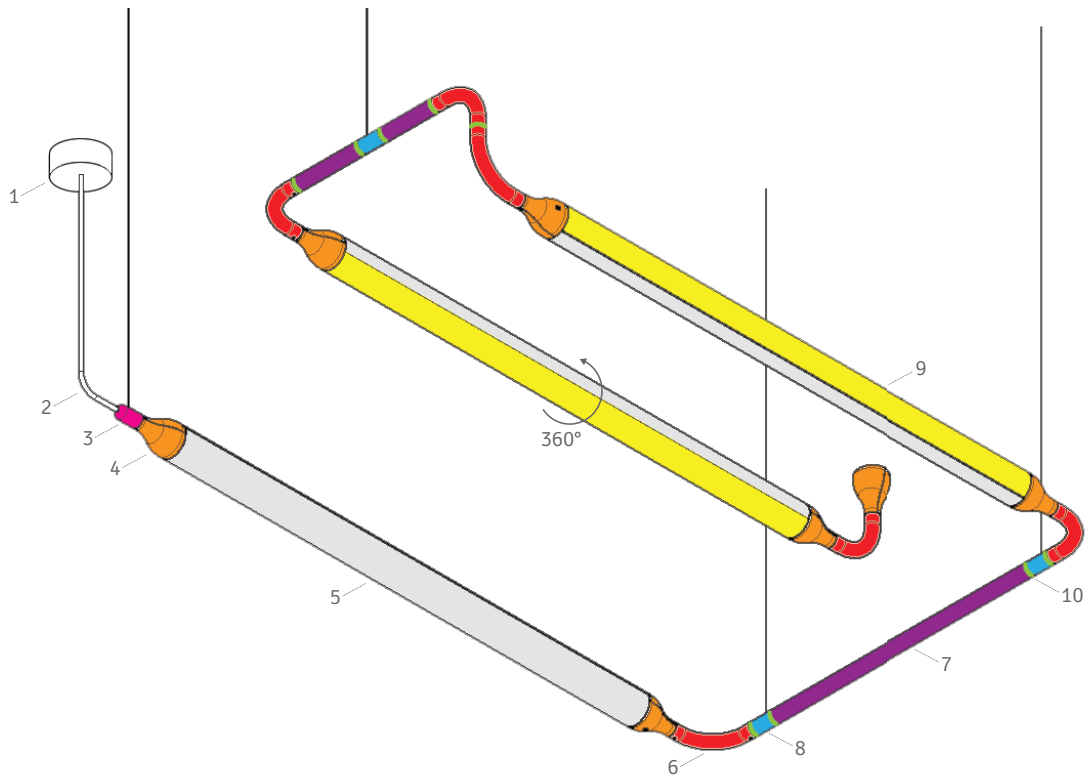


SNAKE

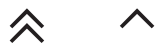


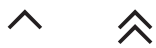


OVERVIEW ALL PARTS



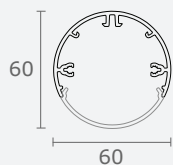
- | | | |
|-------------------------------------------------------|------------------------------------------|--------------------------------------|
| 1 = ceiling cap | 4 = transition piece 01.48100-9999 | 8 = suspension piece 01.48104-9999 |
| 2 = power cable textile | 5 = profile Snake 09.48100-9999 | 9 = satin LED diffuser 02.48800-0000 |
| 3 = end cap + entry hole 3x0,75mm² 01.48107-9999 | 6 = L-corner 90° 01.48110-9999 | 10 = in-line coupler 01.48101-0000 |
| end cap + entry hole 3x1,5mm²/5x0,75mm² 01.48108-9999 | 7 = profile extension tube 09.48125-9999 | |
| end cap + entry hole 5x1,5mm² 01.48109-9999 | | |







PROFILES & INFILL PANELS



| code | type |
|---------------|-------------------|
| 09.48100-9999 | profile snake RAL |

when using only LED inserts, the correct length = number of inserts * 280
bij gebruik van enkel LED modules, is de correcte lengte = aantal modules * 280
en cas d'utilisation de que des modules de LED, la longueur correcte = nombre de modules * 280
wenn nur LED Einsätze verwendet werden, ist die richtige Länge = Anzahl der Einsätze * 280



| code | type |
|---------------|----------------------------|
| 09.48125-9999 | profile extension tube RAL |

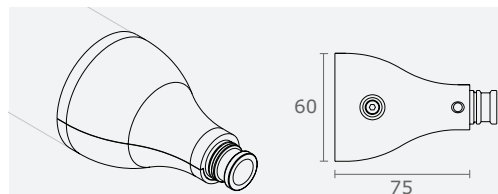


| code | type |
|---------------|-----------------------------------|
| 09.48105-0001 | support panel for LED inserts ANO |



| code | type |
|---------------|------------------|
| 09.48101-9999 | infill panel RAL |

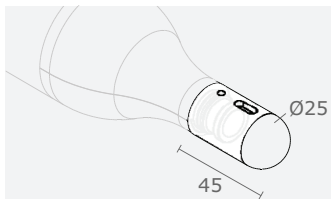
END CAPS & CORNERS



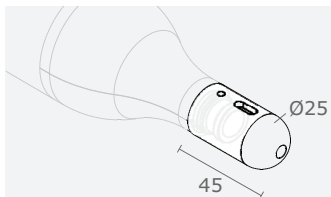
| code | type |
|---------------|------------------|
| 01.48100-9999 | transition piece |



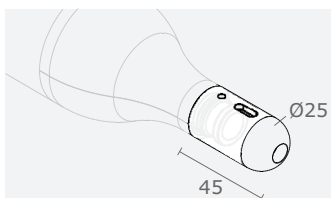
9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet



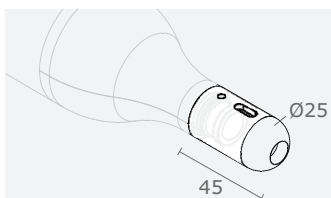
| code | type |
|---------------|-----------------------------------------------------|
| 01.48106-9999 | end cap and suspension piece without entry hole RAL |



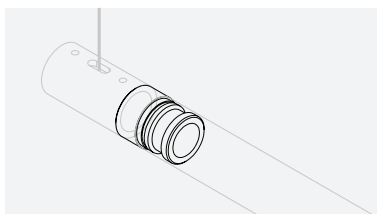
| code | type |
|---------------|---------------------------------------------------------|
| 01.48107-9999 | end cap and suspension piece + entry hole 3x0,75mm² RAL |



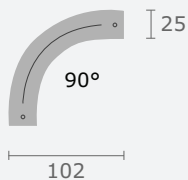
| code | type |
|---------------|------------------------------------------------------------------|
| 01.48108-9999 | end cap and suspension piece + entry hole 3x1,5mm²/5x0,75mm² RAL |



| code | type |
|---------------|--------------------------------------------------------|
| 01.48109-9999 | end cap and suspension piece + entry hole 5x1,5mm² RAL |



| code | type |
|---------------|-----------------|
| 01.48101-0000 | In-line coupler |



| code | type |
|---------------|--------------|
| 01.48110-9999 | L-corner 90° |



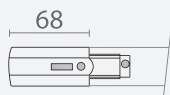
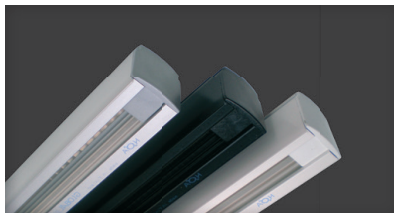
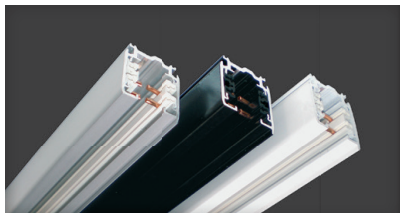
9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet



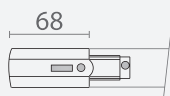
3-CIRCUIT TRACK



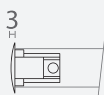
| code | type |
|---------------|------------------|
| 09.48104-0000 | grey track |
| 09.48105-0000 | black track |
| 09.48106-0000 | white track |
| 09.48144-0000 | grey track DALI |
| 09.48145-0000 | black track DALI |
| 09.48146-0000 | white track DALI |



| code | type |
|---------------|-----------------------------------|
| 27.00310-7040 | grey track supply left side |
| 27.00310-9005 | black track supply left side |
| 27.00310-9010 | white track supply left side |
| 27.00340-7040 | grey track supply left side DALI |
| 27.00340-9005 | black track supply left side DALI |
| 27.00340-9010 | white track supply left side DALI |



| code | type |
|---------------|------------------------------------|
| 27.00311-7040 | grey track supply right side |
| 27.00311-9005 | black track supply right side |
| 27.00311-9010 | white track supply right side |
| 27.00341-7040 | grey track supply right side DALI |
| 27.00341-9005 | black track supply right side DALI |
| 27.00341-9010 | white track supply right side DALI |



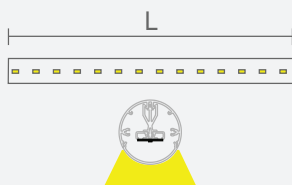
| code | type |
|---------------|--------------------|
| 27.00315-7040 | grey end cap |
| 27.00315-9005 | black end cap |
| 27.00315-9010 | white end cap |
| 27.00315-7040 | grey end cap DALI |
| 27.00315-9005 | black end cap DALI |
| 27.00315-9010 | white end cap DALI |



| code | type |
|---------------|-----------------------------|
| 27.00320-7040 | grey straight coupler |
| 27.00320-9005 | black straight coupler |
| 27.00320-9010 | white straight coupler |
| 27.00350-7040 | grey straight coupler DALI |
| 27.00350-9005 | black straight coupler DALI |
| 27.00350-9010 | white straight coupler DALI |



LED INSERTS



| code | type |
|---------------|-------------------------------------|
| 27.00608-4030 | LED insert HO - L70mm - 0,25 insert |
| 27.00601-4030 | LED insert HO - L140mm - 0,5 insert |
| 27.00611-4030 | LED insert HO - L280mm - 1 insert |
| 27.00621-4030 | LED insert HO - L560mm - 2 inserts |

CRI
>80

CRI>90 on request
CRI>90 op aanvraag
CRI>90 sur demande
CRI>90 auf Anfrage

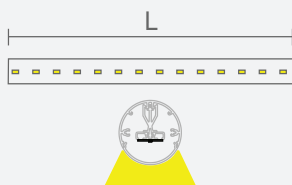


| code | type | dim |
|-----------------|----------------|---------|
| 27.000091w-0625 | LED driver 25W | - |
| 27.000091w-0650 | LED driver 50W | - |
| 27.000091w-0675 | LED driver 75W | - |
| 27.000091w-0825 | LED driver 25W | DALI/TD |
| 27.000091w-0850 | LED driver 50W | DALI/TD |
| 27.000091w-0875 | LED driver 75W | DALI/TD |

HO = high output, TD = touch-dim, 1-10V on request

for each type of driver, the code to be entered (W), the current (mA), the lumen value and the range are displayed. Choose the suitable driver based on the number of LED inserts (=range) and the lumen value - per type driver worden de in te vullen code (W), aansturing (mA), lumenwaarde en het bereik weergegeven. Kies de geschikte driver op basis van het aantal LED modules (=bereik) en de lumenwaarde - pour chaque type de driver, le code à choisir (W), le courant (mA), la valeur de lumen et la portée sont présentés. Choisissez le driver approprié en fonction du nombre de modules LED (=la portée) et la valeur de lumen - für jeden Treibertyp werden der einzugebende Code (W), die Ansteuerung (mA), der Lumenwert und der Bereich angezeigt. Wählen Sie den geeigneten Treiber gemäß der Anzahl LED Einsätze (=Bereich) und dem Lumenwert

| | HO W=1 150mA 3,2W 670lm/280mm # inserts | HO W=3 325mA 7,2W 1340lm/280mm # inserts |
|-----------------|--------------------------------------------------|---------------------------------------------------|
| | | |
| 27.000091w-0625 | 1 - 2 | 1 - 2 |
| 27.000091w-0650 | 2,5 - 6,25 | 2,5 - 6 |
| 27.000091w-0675 | 6,5 - 9,75 | 6,25 - 9,5 |
| 27.000091w-0825 | 1 - 2,25 | 1 - 2,25 |
| 27.000091w-0850 | 2,5 - 6,25 | 2,5 - 6 |
| 27.000091w-0875 | 6,5 - 9,75 | 6,25 - 9,5 |



| code | type |
|---------------|---------------------------------------------|
| 27.00631-9030 | LED TW 2700-6500K 41,1W 4500lm HO - L840mm |
| 27.00641-9030 | LED TW 2700-6500K 54,1W 6000lm HO - L1120mm |
| 27.00651-9030 | LED TW 2700-6500K 67,3W 7500lm HO - L1400mm |

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HO = high output, TW = tunable white

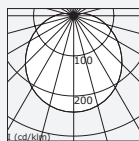
DALI driver type 8 included - Inclusief DALI driver type 8 - driver DALI type 8 inclus - inklusive DALI Treiber Typ 8
type 6 on request - type 6 op aanvraag - type 6 sur demande - Typ 6 auf Anfrage



27= 2700K
30= 3000K
40= 4000K



LED DIFFUSERS



h=79% CIE 43 73 91 95 79

code

02.48800-0000

type

satin LED diffuser

EMERGENCY MODULES



code

27.00290-0000
27.00291-0000
27.00292-0000
27.00293-0000

type

LED emergency 1h 350lm - selftest
LED emergency 3h 350lm - selftest
LED emergency 1h 350lm - selftest DALI
LED emergency 3h 350lm - selftest DALI

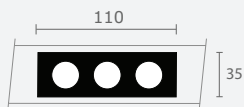
only applicable from 4 LED inserts (1h - selftest) or 6 LED inserts (3h - selftest) · min. 280-max. 560mm per driver in case of emergency

enkel geschikt vanaf 4 LED modules (1h - selftest) of 6 LED modules (3h - selftest) · min. 280-max. 560mm per driver in nootdoodstand

seulement utilisable à partir de 4 modules LED (1h - selftest) ou 6 modules LED (3h - selftest) · min. 280-max. 560mm par driver en configuration secours

nur geeignet ab 4 LED Einsätzen (1h - selftest) oder 6 LED Einsätzen (3h - selftest) · min. 280-max. 560mm pro Treiber im Notstand

ACCESSORIES



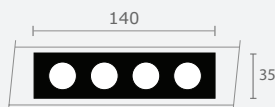
code

27.480132-9999
27.480232-9999
27.480133-9999
27.480233-9999
27.480134-9999
27.480234-9999

type

LED downlight 3x1W 2700K 357lm 8°
LED downlight 3x1W 2700K 357lm 32°
LED downlight 3x1W 3000K 378lm 8°
LED downlight 3x1W 3000K 378lm 32°
LED downlight 3x1W 4000K 399lm 8°
LED downlight 3x1W 4000K 399lm 32°

order drivers separately · voedingen apart bestellen · commandez l'alimentation séparément · Treiber separat bestellen



code

27.480142-9999
27.480242-9999
27.480143-9999
27.480243-9999
27.480144-9999
27.480244-9999

type

LED downlight 4x1W 2700K 476lm 8°
LED downlight 4x1W 2700K 476lm 32°
LED downlight 4x1W 3000K 504lm 8°
LED downlight 4x1W 3000K 504lm 32°
LED downlight 4x1W 4000K 532lm 8°
LED downlight 4x1W 4000K 532lm 32°

order drivers separately · voedingen apart bestellen · commandez l'alimentation séparément · Treiber separat bestellen



9999=any RAL colour powder coated

elke RAL kleur poederlak

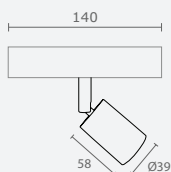
chaque teinte RAL peint-par-poudrage

jede RAL Farbe pulverbeschichtet



| code | type | dim | 3x1W-350mA # downlights | 4x1W-350mA # downlights |
|-----------------|----------------|---------|----------------------------|----------------------------|
| 27.0000917-0608 | LED driver 8W | - | 1-2 | 1 |
| 27.0000917-0625 | LED driver 25W | - | 3-5 | 2-4 |
| 27.0000917-0650 | LED driver 50W | - | 6-14 | 5-10 |
| 27.0000917-0810 | LED driver 10W | DALI | 1-3 | 1-2 |
| 27.0000917-0825 | LED driver 25W | DALI/TD | 3-5 | 2-4 |
| 27.0000917-0850 | LED driver 50W | DALI/TD | 6-14 | 5-10 |

TD = touch-dim



| code | type |
|----------------|-------------------------|
| 27.000152-9999 | spot 5W 2700K 482lm 10° |
| 27.000252-9999 | spot 5W 2700K 482lm 25° |
| 27.000352-9999 | spot 5W 2700K 482lm 40° |
| 27.000153-9999 | spot 5W 3000K 500lm 10° |
| 27.000253-9999 | spot 5W 3000K 500lm 25° |
| 27.000353-9999 | spot 5W 3000K 500lm 40° |
| 27.000154-9999 | spot 5W 4000K 532lm 10° |
| 27.000254-9999 | spot 5W 4000K 532lm 25° |
| 27.000354-9999 | spot 5W 4000K 532lm 40° |

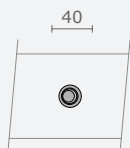
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order drivers separately · voedingen apart bestellen · commandez l'alimentation séparément · Treiber separat bestellen



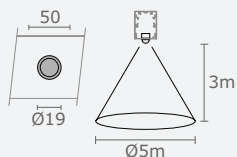
| code | type | dim | 5W-200mA # spots |
|-----------------|----------------|---------|---------------------|
| 27.0000916-0625 | LED driver 25W | - | 1-2 |
| 27.0000916-0650 | LED driver 50W | - | 3-5 |
| 27.0000916-0825 | LED driver 25W | DALI/TD | 1-2 |
| 27.0000916-0850 | LED driver 50W | DALI/TD | 3-5 |

TD = touch-dim



| code | type |
|---------------|---------------------------------------------|
| 27.00040-9005 | black push switch ON/OFF 250V/10Amp |
| 27.00041-9005 | black push switch ON/OFF+dimming 250V/10Amp |

27.00041-9005 only with DALI/TD dimmable insert, max. 4 drivers per push switch
27.00041-9005 enkel met DALI/TD dimbare module, max. 4 drivers per drukknop
27.00041-9005 seulement avec module dimmable DALI/TD, 4 drivers par bouton poussoir au maximum
27.00041-9005 nur mit DALI/TD dimmbarem Einsatz, Maximal 4 Treiber pro Druckknopf



| code | type |
|---------------|--------------------------------|
| 27.00105-0000 | motion detector max. 2 drivers |

stand-alone system that cannot be connected in parallel



9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet


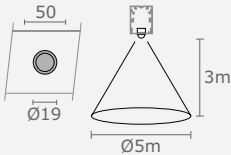




| code | type |
|---------------|-----------------------------------------------------------|
| 27.00106-0000 | white daylight and/or motion detector – max. 2x 5 drivers |
| 27.00106-9005 | black daylight and/or motion detector – max. 2x 5 drivers |

only with DALI dimmable insert · enkel met DALI dimbare module · seulement avec module dimmable DALI · nur mit DALI dimmbarem Einsatz

including remote control for on/off + dimming
inclusief afstandsbediening voor aan/uit + dimmen
commande inclus pour allumer/éteindre + régler l'intensité de la lumière
Fernbedienung einbegriffen um ein-/aus zu schalten + zu dimmen


stand-alone system that cannot be connected in parallel



| code | type |
|---------------|----------------|
| 22.99122-0000 | remote control |

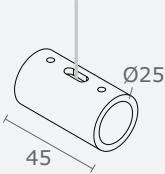
to order together with the daylight & motion detector (27.00106-0000)

remote control suitable for extensive configuration of sensor (only motion, only daylight or both,...)
afstandsbediening geschikt voor uitgebreide instelling van sensor (enkel beweging, enkel daglicht of beide,...)
commande appropriée pour le réglage du détecteur (seulement du mouvement, seulement de la lumière du jour ou tous les deux,...)
Fernbedienung geeignet für ausführliche Einstellung des Sensors (nur Bewegung, nur Tageslicht oder beide,...)



SUSPENSIONS & CABLES

| code | type |
|---------------|----------------------|
| 01.48104-9999 | suspension piece RAL |



| code | type |
|---------------|---------------------------------------|
| 03.99100-2400 | steelwire suspension type 1 – L1800mm |
| 03.99100-4700 | steelwire suspension type 1 – L4500mm |

steelwire is adjustable via cylinder on the ceiling
staaldraad is verstelbaar via cilinder aan het plafond
le fil d'acier est réglable par le cylindre au plafond
Stahldraht ist über den Zylinder an der Decke verstellbar



| code | type |
|---------------|---------------------------------------------|
| 03.99113-2400 | black steelwire suspension type 1 – L1800mm |
| 03.99113-4700 | black steelwire suspension type 1 – L4500mm |

steelwire is adjustable via cylinder on the ceiling
staaldraad is verstelbaar via cilinder aan het plafond
le fil d'acier est réglable par le cylindre au plafond
Stahldraht ist über den Zylinder an der Decke verstellbar

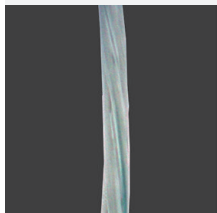




9999=any RAL colour powder coated
elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet



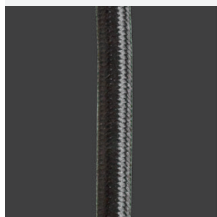
| code | type |
|---------------|------------------------------------------|
| 03.99183-0000 | steelwire suspension pivotable - L1800mm |
| 03.99185-0000 | steelwire suspension pivotable - L4500mm |



| code | type |
|------------------|---------------------------------------------------------------|
| 03.00000310-0000 | transparent power cable PVC 3x0,75mm ² - per meter |
| 03.00000311-0000 | transparent power cable PVC 3x0,75mm ² - L1800mm |
| 03.00000312-0000 | transparent power cable PVC 3x0,75mm ² - L4500mm |
| 03.00000510-0000 | transparent power cable PVC 5x0,75mm ² - per meter |
| 03.00000511-0000 | transparent power cable PVC 5x0,75mm ² - L1800mm |
| 03.00000512-0000 | transparent power cable PVC 5x0,75mm ² - L4500mm |
| 03.00000320-0000 | transparent power cable PVC 3x1,5mm ² - per meter |
| 03.00000321-0000 | transparent power cable PVC 3x1,5mm ² - L1800mm |
| 03.00000322-0000 | transparent power cable PVC 3x1,5mm ² - L4500mm |
| 03.00000520-0000 | transparent power cable PVC 5x1,5mm ² - per meter |
| 03.00000521-0000 | transparent power cable PVC 5x1,5mm ² - L1800mm |
| 03.00000522-0000 | transparent power cable PVC 5x1,5mm ² - L4500mm |



| | |
|------------------|-------------------------------------------------------------|
| 03.00001310-9010 | white power cable Textile 3x0,75mm ² - per meter |
| 03.00001311-9010 | white power cable Textile 3x0,75mm ² - L1800mm |
| 03.00001312-9010 | white power cable Textile 3x0,75mm ² - L4500mm |
| 03.00001510-9010 | white power cable Textile 5x0,75mm ² - per meter |
| 03.00001511-9010 | white power cable Textile 5x0,75mm ² - L1800mm |
| 03.00001512-9010 | white power cable Textile 5x0,75mm ² - L4500mm |
| 03.00001320-9010 | white power cable Textile 3x1,5mm ² - per meter |
| 03.00001321-9010 | white power cable Textile 3x1,5mm ² - L1800mm |
| 03.00001322-9010 | white power cable Textile 3x1,5mm ² - L4500mm |
| 03.00001520-9010 | white power cable Textile 5x1,5mm ² - per meter |
| 03.00001521-9010 | white power cable Textile 5x1,5mm ² - L1800mm |
| 03.00001522-9010 | white power cable Textile 5x1,5mm ² - L4500mm |



| | |
|------------------|-------------------------------------------------------------|
| 03.00001310-9005 | black power cable Textile 3x0,75mm ² - per meter |
| 03.00001311-9005 | black power cable Textile 3x0,75mm ² - L1800mm |
| 03.00001312-9005 | black power cable Textile 3x0,75mm ² - L4500mm |
| 03.00001510-9005 | black power cable Textile 5x0,75mm ² - per meter |
| 03.00001511-9005 | black power cable Textile 5x0,75mm ² - L1800mm |
| 03.00001512-9005 | black power cable Textile 5x0,75mm ² - L4500mm |
| 03.00001320-9005 | black power cable Textile 3x1,5mm ² - per meter |
| 03.00001321-9005 | black power cable Textile 3x1,5mm ² - L1800mm |
| 03.00001322-9005 | black power cable Textile 3x1,5mm ² - L4500mm |
| 03.00001520-9005 | black power cable Textile 5x1,5mm ² - per meter |
| 03.00001521-9005 | black power cable Textile 5x1,5mm ² - L1800mm |
| 03.00001522-9005 | black power cable Textile 5x1,5mm ² - L4500mm |

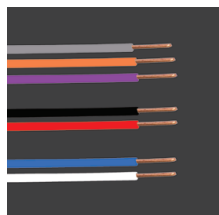


| | code | type |
|--|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 03.00001140-9999 03.00001141-9999 03.00001142-9999 | ceiling cap - round - surfaced - 3x0,75mm ² ceiling cap - round - surfaced - 3x1,5mm ² / 5x0,75mm ² ceiling cap - round - surfaced - 5x1,5mm ² |
| | 03.00001530-9999 03.00001531-9999 03.00001532-9999 | ceiling cap - round - surfaced - 3x0,75mm ² ceiling cap - round - surfaced - 3x1,5mm ² / 5x0,75mm ² ceiling cap - round - surfaced - 5x1,5mm ² |
| | 03.00011100-9999 03.00011101-9999 03.00011102-9999 | ceiling cap - round - recessed - 3x0,75mm ² ceiling cap - round - recessed - 3x1,5mm ² / 5x0,75mm ² ceiling cap - round - recessed - 5x1,5mm ² |
| | ○ =Ø6mm (3x0,75) ○ =Ø9mm (5x0,75/3x1,5) ○ =Ø11mm (5x1,5) | |

ADDITIONAL WIRING



| | |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| standard wiring | 1 switching circuit with 3 cables 1,5mm²: L = phase (brown), N = neutral (blue), earthing (yellow-green) |
| standaard bedrading | 1 schakelkring met 3 kabels 1,5mm ² : L = fase (bruin), N = nulleider (blauw), aarding (geel-groen) |
| câblage standard | 1 circuit avec 3 câbles 1,5mm ² : L = phase (brun), N = neutre (bleu), terre (jaune-vert) |
| standard Verdrahtung | 1 Schaltkreis mit 3 Kabeln 1,5mm ² : L = Phase (braun), N = Nulleiter (blau), Erdung (gelb-grün) |



| code | type |
|---------------|----------------------------------------------------------------------------------------|
| 23.00099-1150 | 1 cable 1,5mm ² for additional switching circuit (grey or orange or violet) |
| 23.00099-2075 | 2 cables 0,75mm ² for dimming (black & red) |
| 23.00099-2150 | 2 cables 1,5mm ² for emergency module supply (white & blue) |



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elke RAL kleur poederlak
chaque teinte RAL peint-par-poudrage
jede RAL Farbe pulverbeschichtet





TECHNICAL INFO



information about the LED inserts
informatie over de LED modules
informations sur les modules LED
Informationen zu den LED Einsätzen

SNAKE

| HIGH output | light source luminous flux - 150mA | | | | | |
|-----------------------|-------------------------------------------|---------------|--------------------|--------------------|--------------------|-------------|
| number of LED inserts | wattage | total wattage | lumen output 2700K | lumen output 3000K | lumen output 4000K | length (mm) |
| 0,25 | 0,8 | 0,9 | - | 160 | 170 | 70 |
| 0,5 | 1,6 | 1,7 | - | 320 | 335 | 140 |
| 1 | 3,2 | 3,5 | 620 | 640 | 670 | 280 |
| 2 | 6,4 | 7,0 | 1240 | 1280 | 1340 | 560 |
| 3 | 9,6 | 10,6 | 1860 | 1920 | 2010 | 840 |
| 4 | 12,8 | 14,1 | 2480 | 2560 | 2680 | 1120 |
| 5 | 16,0 | 17,6 | 3100 | 3200 | 3350 | 1400 |
| 6 | 19,2 | 21,1 | 3720 | 3840 | 4020 | 1680 |
| 7 | 22,4 | 24,6 | 4340 | 4480 | 4690 | 1960 |
| 8 | 25,6 | 28,2 | 4960 | 5120 | 5360 | 2240 |
| 9 | 28,8 | 31,7 | 5580 | 5760 | 6030 | 2520 |
| 10 | 32,0 | 35,2 | 6200 | 6400 | 6700 | 2800 |
| 1 meter | 11,4 | 12,6 | 2215 | 2285 | 2395 | 1000 |

| HIGH output | light source luminous flux - 325mA | | | | | |
|-----------------------|-------------------------------------------|---------------|--------------------|--------------------|--------------------|-------------|
| number of LED inserts | wattage | total wattage | lumen output 2700K | lumen output 3000K | lumen output 4000K | length (mm) |
| 0,25 | 1,8 | 2,0 | - | 320 | 335 | 70 |
| 0,5 | 3,6 | 4,0 | - | 640 | 670 | 140 |
| 1 | 7,2 | 7,9 | 1240 | 1280 | 1340 | 280 |
| 2 | 14,4 | 15,8 | 2480 | 2560 | 2680 | 560 |
| 3 | 21,6 | 23,8 | 3720 | 3840 | 4020 | 840 |
| 4 | 28,8 | 31,7 | 4960 | 5120 | 5360 | 1120 |
| 5 | 36,0 | 39,6 | 6200 | 6400 | 6700 | 1400 |
| 6 | 43,2 | 47,5 | 7440 | 7680 | 8040 | 1680 |
| 7 | 50,4 | 55,4 | 8680 | 8960 | 9380 | 1960 |
| 8 | 57,6 | 63,4 | 9920 | 10240 | 10720 | 2240 |
| 9 | 64,8 | 71,3 | 11160 | 11520 | 12060 | 2520 |
| 10 | 72,0 | 79,2 | 12400 | 12800 | 13400 | 2800 |
| 1 meter | 25,7 | 28,3 | 4430 | 4570 | 4785 | 1000 |



CRI>90 on request · CRI>90 op aanvraag · CRI>90 sur demande · CRI>90 auf Anfrage



GRIP, OFFSIDE AND REKTA 20

| | light source luminous flux - 75mA | | | | | |
|-----------------------|-----------------------------------|---------------|--------------------|--------------------|--------------------|-------------|
| number of LED inserts | wattage | total wattage | lumen output 2700K | lumen output 3000K | lumen output 4000K | length (mm) |
| 1 | 3,0 | 3,3 | 530 | 550 | 575 | 280 |
| 2 | 6,0 | 6,6 | 1060 | 1100 | 1150 | 560 |
| 3 | 9,0 | 9,9 | 1590 | 1650 | 1725 | 840 |
| 4 | 12,0 | 13,2 | 2120 | 2200 | 2300 | 1120 |
| 5 | 15,0 | 16,5 | 2650 | 2750 | 2875 | 1400 |
| 6 | 18,0 | 19,8 | 3180 | 3300 | 3450 | 1680 |
| 7 | 21,0 | 23,1 | 3710 | 3850 | 4025 | 1960 |
| 8 | 24,0 | 26,4 | 4240 | 4400 | 4600 | 2240 |
| 9 | 27,0 | 29,7 | 4770 | 4950 | 5175 | 2520 |
| 10 | 30,0 | 33,0 | 5300 | 5500 | 5750 | 2800 |
| 1 meter | 10,7 | 11,8 | 1893 | 1965 | 2054 | 1000 |

| | light source luminous flux - 100mA | | | | | |
|-----------------------|------------------------------------|---------------|--------------------|--------------------|--------------------|-------------|
| number of LED inserts | wattage | total wattage | lumen output 2700K | lumen output 3000K | lumen output 4000K | length (mm) |
| 1 | 4,0 | 4,4 | 690 | 720 | 755 | 280 |
| 2 | 8,0 | 8,8 | 1380 | 1440 | 1510 | 560 |
| 3 | 12,0 | 13,2 | 2070 | 2160 | 2265 | 840 |
| 4 | 16,0 | 17,6 | 2760 | 2880 | 3020 | 1120 |
| 5 | 20,0 | 22,0 | 3450 | 3600 | 3775 | 1400 |
| 6 | 24,0 | 26,4 | 4140 | 4320 | 4530 | 1680 |
| 7 | 28,0 | 30,8 | 4830 | 5040 | 5285 | 1960 |
| 8 | 32,0 | 35,2 | 5520 | 5760 | 6040 | 2240 |
| 9 | 36,0 | 39,6 | 6210 | 6480 | 6795 | 2520 |
| 10 | 40,0 | 44,0 | 6900 | 7200 | 7550 | 2800 |
| 1 meter | 14,3 | 15,7 | 2465 | 2572 | 2697 | 1000 |



| GRIP, OFFSIDE AND REKTA 20 | | | | | | |
|-------------------------------------------|---------|---------------|--------------------|--------------------|--------------------|-------------|
| light source luminous flux - 125mA | | | | | | |
| number of LED inserts | wattage | total wattage | lumen output 2700K | lumen output 3000K | lumen output 4000K | length (mm) |
| 1 | 5,0 | 5,5 | 850 | 885 | 930 | 280 |
| 2 | 10,0 | 11,0 | 1700 | 1770 | 1860 | 560 |
| 3 | 15,0 | 16,5 | 2550 | 2655 | 2790 | 840 |
| 4 | 20,0 | 22,0 | 3400 | 3540 | 3720 | 1120 |
| 5 | 25,0 | 27,5 | 4250 | 4425 | 4650 | 1400 |
| 6 | 30,0 | 33,0 | 5100 | 5310 | 5580 | 1680 |
| 7 | 35,0 | 38,5 | 5950 | 6195 | 6510 | 1960 |
| 8 | 40,0 | 44,0 | 6800 | 7080 | 7440 | 2240 |
| 9 | 45,0 | 49,5 | 7650 | 7965 | 8370 | 2520 |
| 10 | 50,0 | 55,0 | 8500 | 8850 | 9300 | 2800 |
| 1 meter | 17,8 | 19,6 | 3036 | 3161 | 3322 | 1000 |

| light source luminous flux - 150mA | | | | | | |
|-------------------------------------------|---------|---------------|--------------------|--------------------|--------------------|-------------|
| number of LED inserts | wattage | total wattage | lumen output 2700K | lumen output 3000K | lumen output 4000K | length (mm) |
| 1 | 6,0 | 6,6 | 1010 | 1050 | 1100 | 280 |
| 2 | 12,0 | 13,2 | 2020 | 2100 | 2200 | 560 |
| 3 | 18,0 | 19,8 | 3030 | 3150 | 3300 | 840 |
| 4 | 24,0 | 26,4 | 4040 | 4200 | 4400 | 1120 |
| 5 | 30,0 | 33,0 | 5050 | 5250 | 5500 | 1400 |
| 6 | 36,0 | 39,6 | 6060 | 6300 | 6600 | 1680 |
| 7 | 42,0 | 46,2 | 7070 | 7350 | 7700 | 1960 |
| 8 | 48,0 | 52,8 | 8080 | 8400 | 8800 | 2240 |
| 9 | 54,0 | 59,4 | 9090 | 9450 | 9900 | 2520 |
| 10 | 60,0 | 66,0 | 10100 | 10500 | 11000 | 2800 |
| 1 meter | 21,5 | 23,6 | 3608 | 3750 | 3929 | 1000 |



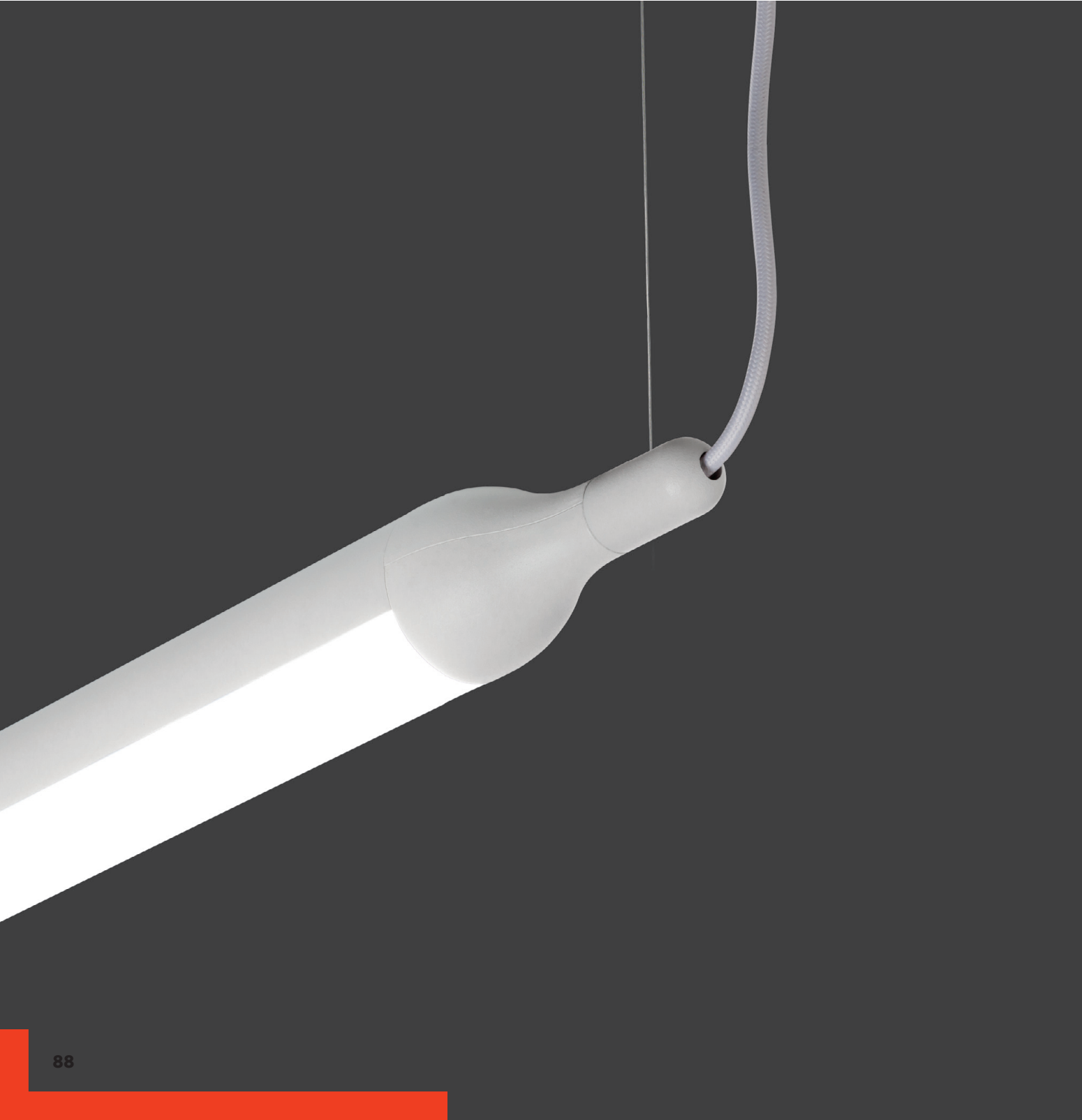


SUSPENDED LUMINAIRES





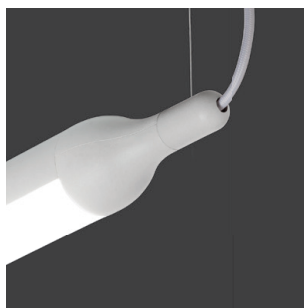
SNAKE



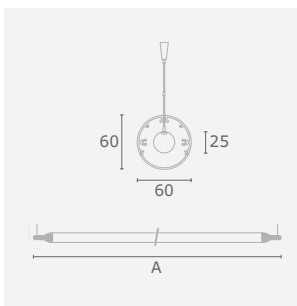
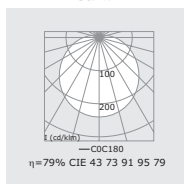
SNAKE

direct lighting

230V 50Hz IP20 A CE PS



satin



LOW lumen output

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 04.480t052y-zzzz | 800 | 6,4 | 1340 | - |
| 04.480t053y-zzzz | 1080 | 9,6 | 2010 | - |
| 04.480t054y-zzzz | 1360 | 12,8 | 2680 | - |
| 04.480t055y-zzzz | 1640 | 16,0 | 3350 | - |
| 04.480t056y-zzzz | 1920 | 19,2 | 4020 | - |
| 04.480t057y-zzzz | 2200 | 22,4 | 4690 | - |
| 04.480t452y-zzzz | 800 | 6,4 | 1340 | dim |
| 04.480t453y-zzzz | 1080 | 9,6 | 2010 | dim |
| 04.480t454y-zzzz | 1360 | 12,8 | 2680 | dim |
| 04.480t455y-zzzz | 1640 | 16,0 | 3350 | dim |
| 04.480t456y-zzzz | 1920 | 19,2 | 4020 | dim |
| 04.480t457y-zzzz | 2200 | 22,4 | 4690 | dim |

HIGH lumen output

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 04.480t062y-zzzz | 800 | 14,4 | 2680 | - |
| 04.480t063y-zzzz | 1080 | 21,6 | 4020 | - |
| 04.480t064y-zzzz | 1360 | 28,8 | 5360 | - |
| 04.480t065y-zzzz | 1640 | 36,0 | 6700 | - |
| 04.480t066y-zzzz | 1920 | 43,2 | 8040 | - |
| 04.480t067y-zzzz | 2200 | 50,4 | 9380 | - |
| 04.480t462y-zzzz | 800 | 14,4 | 2680 | dim |
| 04.480t463y-zzzz | 1080 | 21,6 | 4020 | dim |
| 04.480t464y-zzzz | 1360 | 28,8 | 5360 | dim |
| 04.480t465y-zzzz | 1640 | 36,0 | 6700 | dim |
| 04.480t466y-zzzz | 1920 | 43,2 | 8040 | dim |
| 04.480t467y-zzzz | 2200 | 50,4 | 9380 | dim |

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimable version DALI/TD. 1-10V and emergency on request
equipped with transparent power cable
black or white textile power cable available on request



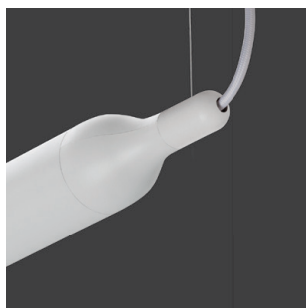
SNAKE

indirect lighting

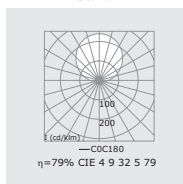
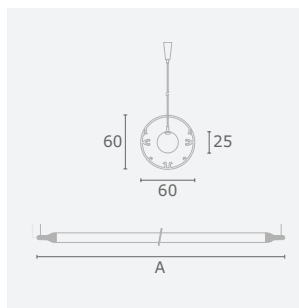


230V
50Hz

IP20



satin



LOW lumen output

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 04.481t052y-zzzz | 800 | 6,4 | 1340 | - |
| 04.481t053y-zzzz | 1080 | 9,6 | 2010 | - |
| 04.481t054y-zzzz | 1360 | 12,8 | 2680 | - |
| 04.481t055y-zzzz | 1640 | 16,0 | 3350 | - |
| 04.481t056y-zzzz | 1920 | 19,2 | 4020 | - |
| 04.481t057y-zzzz | 2200 | 22,4 | 4690 | - |
| 04.481t452y-zzzz | 800 | 6,4 | 1340 | dim |
| 04.481t453y-zzzz | 1080 | 9,6 | 2010 | dim |
| 04.481t454y-zzzz | 1360 | 12,8 | 2680 | dim |
| 04.481t455y-zzzz | 1640 | 16,0 | 3350 | dim |
| 04.481t456y-zzzz | 1920 | 19,2 | 4020 | dim |
| 04.481t457y-zzzz | 2200 | 22,4 | 4690 | dim |

HIGH lumen output

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 04.481t062y-zzzz | 800 | 14,4 | 2680 | - |
| 04.481t063y-zzzz | 1080 | 21,6 | 4020 | - |
| 04.481t064y-zzzz | 1360 | 28,8 | 5360 | - |
| 04.481t065y-zzzz | 1640 | 36,0 | 6700 | - |
| 04.481t066y-zzzz | 1920 | 43,2 | 8040 | - |
| 04.481t067y-zzzz | 2200 | 50,4 | 9380 | - |
| 04.481t462y-zzzz | 800 | 14,4 | 2680 | dim |
| 04.481t463y-zzzz | 1080 | 21,6 | 4020 | dim |
| 04.481t464y-zzzz | 1360 | 28,8 | 5360 | dim |
| 04.481t465y-zzzz | 1640 | 36,0 | 6700 | dim |
| 04.481t466y-zzzz | 1920 | 43,2 | 8040 | dim |
| 04.481t467y-zzzz | 2200 | 50,4 | 9380 | dim |

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

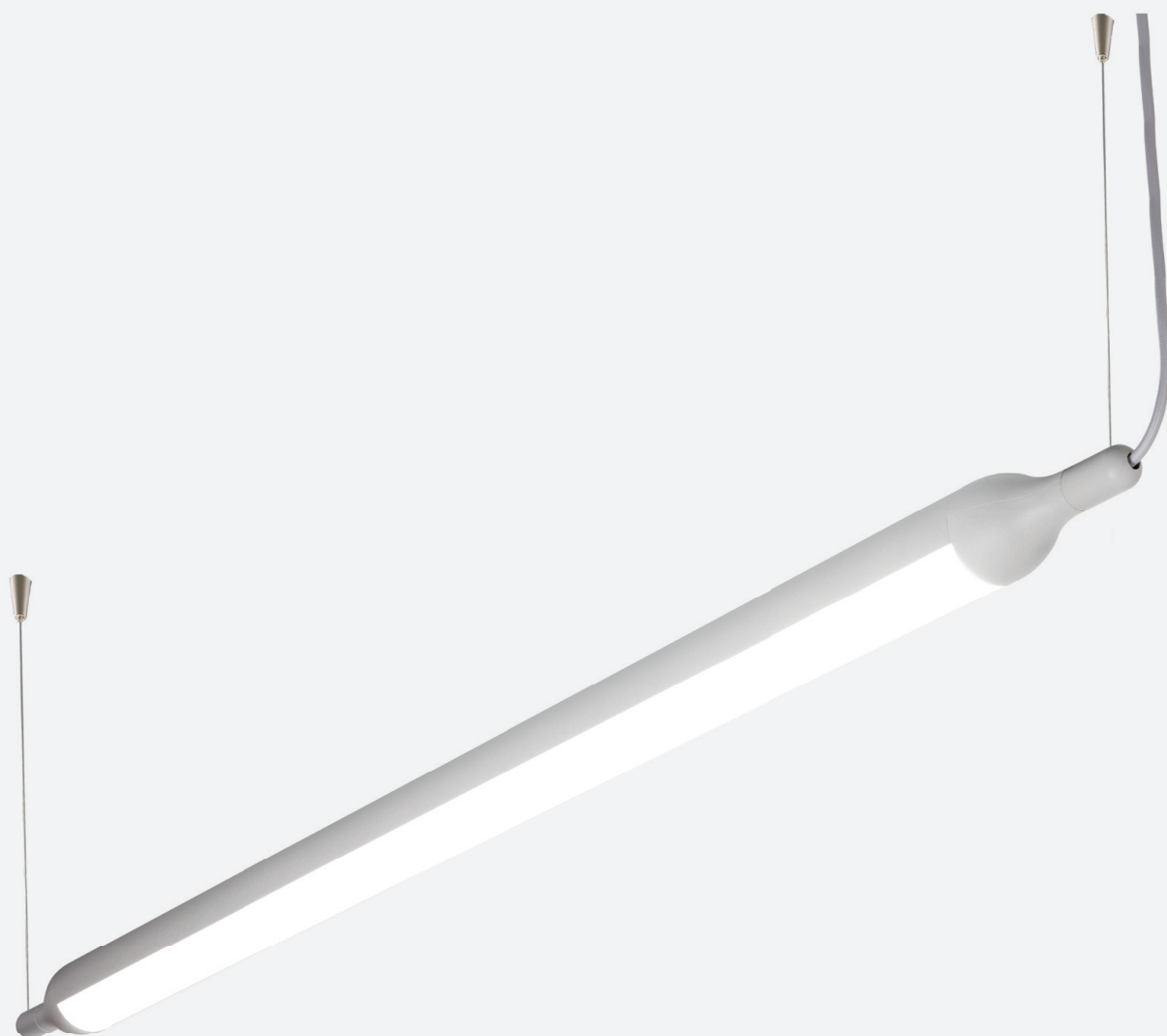
zzzz= colour

9999= any RAL colour

info



dimable version DALI/TD. 1-10V and emergency on request
equipped with transparent power cable
black or white textile power cable available on request







STANDING LUMINAIRES



GRIP T1
95



GRIP T2
100

GRIP



DESIGN **PLUS**

powered by: **light+**building

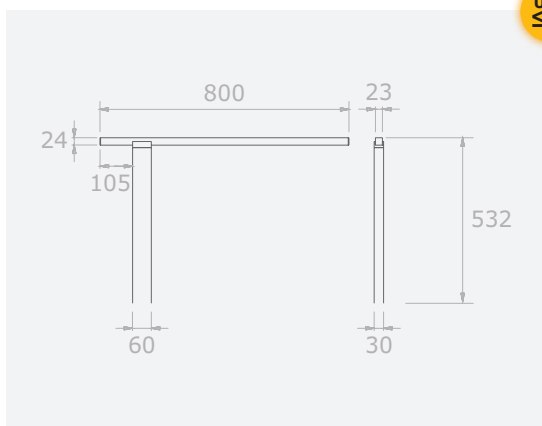
2022





GRIP T1

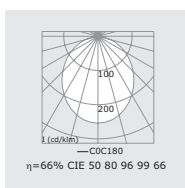
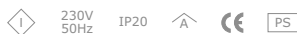
direct lighting



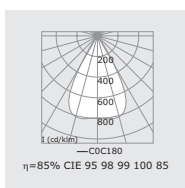
UGR
≤19

| code | watt excl. driver | gross lumen | base |
|-------------------------------------------|----------------------|----------------|---------------|
| 11.430 <u>t</u> 42 <u>y</u> - <u>zzzz</u> | 12,0 | 2200 | table base |
| 11.431 <u>t</u> 42 <u>y</u> - <u>zzzz</u> | 12,0 | 2200 | table grommet |
| 11.432 <u>t</u> 42 <u>y</u> - <u>zzzz</u> | 12,0 | 2200 | table clamp |

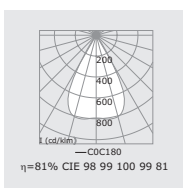
See page 97 for the different types of bases.



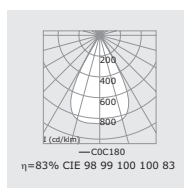
satin



LRLW



LRLB



LRLC

t= diffusers

- 0= satin diffuser
- 4= LRLW
- 5= LRLB
- 6= LRLC

u= dimming

- 6= touch-dim

y= colour temperature

- 3= 3000K - CRI>80
- 4= 4000K - CRI>80
- 2700K on request

zzzz= colour

- 9999= any RAL colour

info

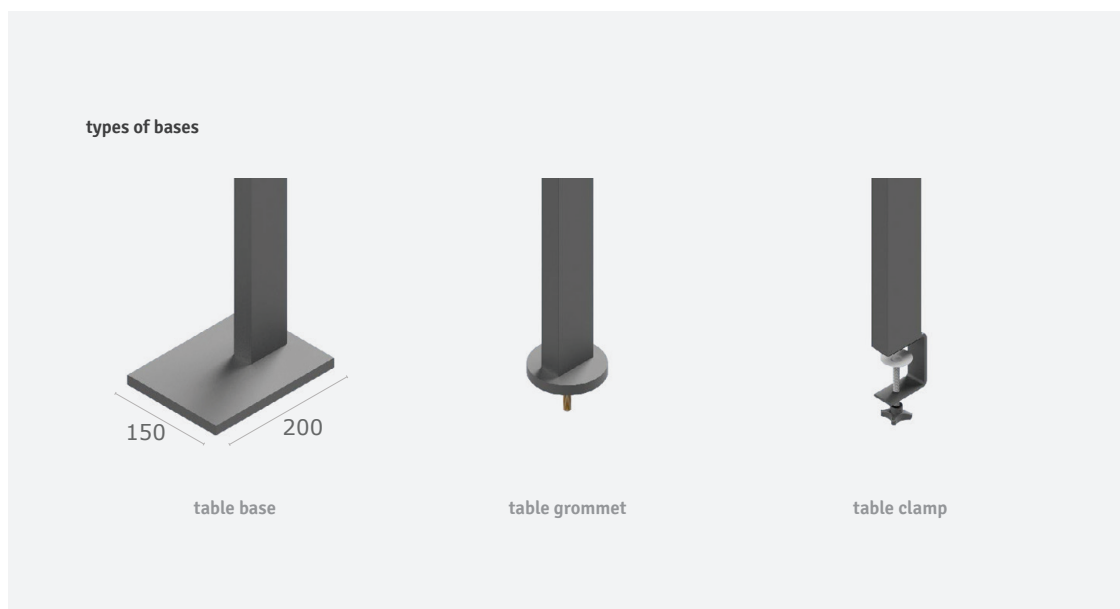


with a white louvre (LRLW) the UGR is 15,8/19,4
(at 4H/8H)





INFO



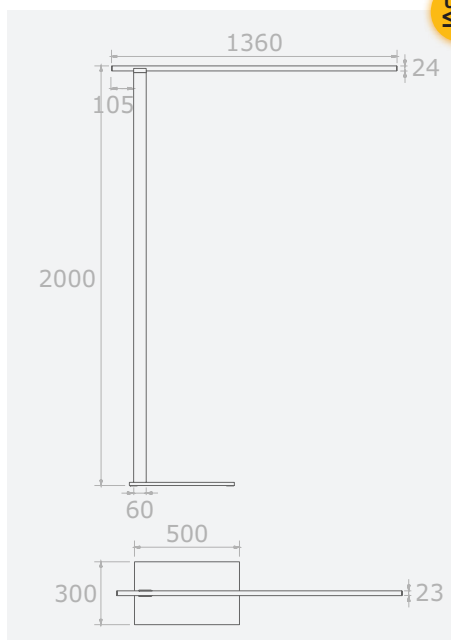
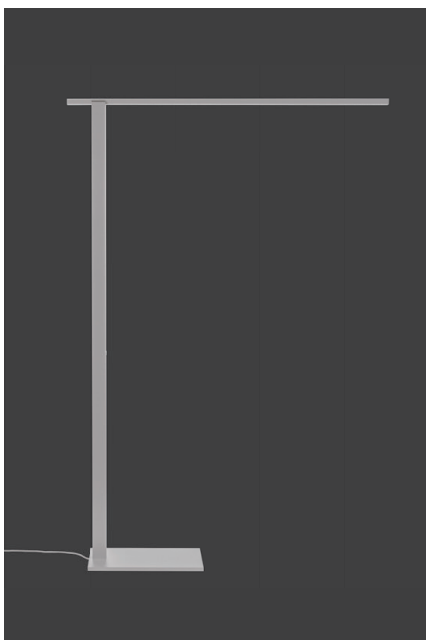






GRIP T2

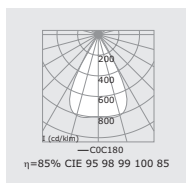
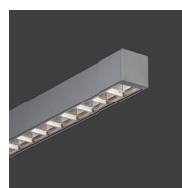
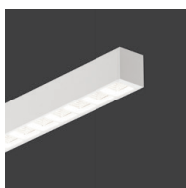
direct lighting



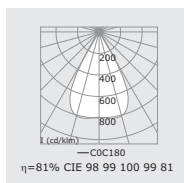
UGR
≤19

| code | watt excl. driver | gross lumen | base |
|-------------------------------------------|----------------------|----------------|--------------|
| 11.435 <u>t</u> 44 <u>y</u> - <u>zzzz</u> | 24,0 | 4400 | rectangular |
| 11.436 <u>t</u> 44 <u>y</u> - <u>zzzz</u> | 24,0 | 4400 | U-cut-out |
| 11.437 <u>t</u> 44 <u>y</u> - <u>zzzz</u> | 24,0 | 4400 | side cut-out |

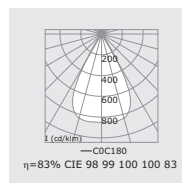
230V 50Hz IP20 A CE PS



LRLW



LRLB



LRLC

t= diffusers

4= LRLW
5= LRLB
6= LRLC

u= dimming

6= touch-dim

y= colour temperature

3= 3000K - CRI>80
4= 4000K - CRI>80
2700K on request

zzzz= colour

9999= any RAL colour

info

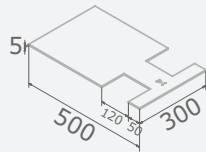


with a white louvre (LRLW) the UGR is 15,8/19,4 (at 4H/8H)

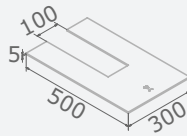


INFO

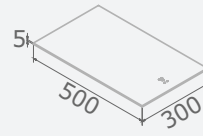
types of bases



side cut-out



U-cut-out



rectangular









WALL LUMINAIRES



GRIP
106



OFFSIDE
116



SNAKE
122

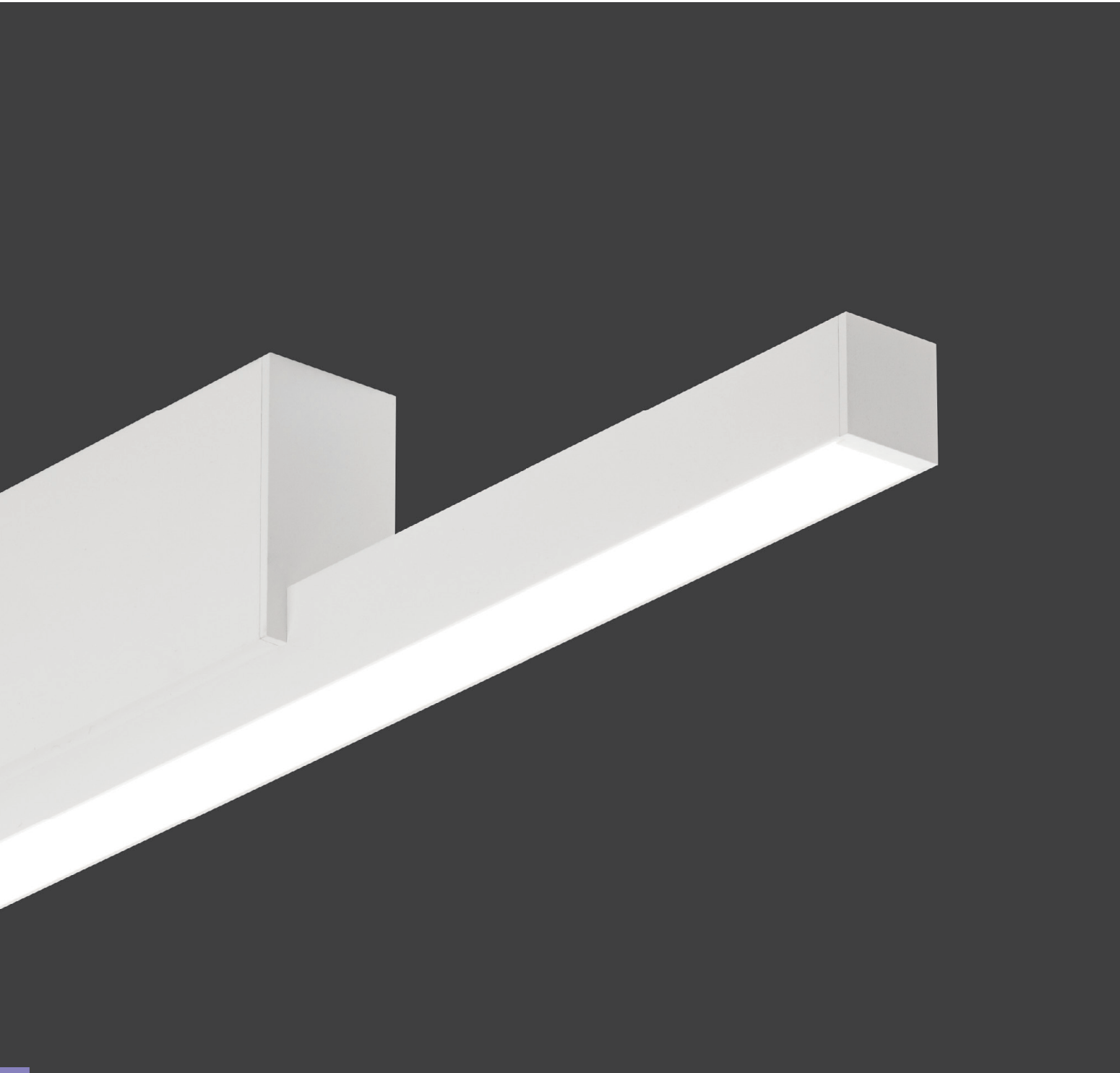
GRIP



DESIGN **PLUS**

powered by: **light+**building

2022





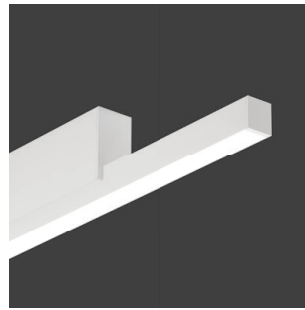
GRIP TYPE 1

direct lighting

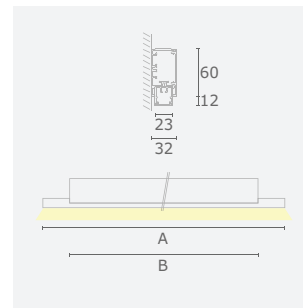
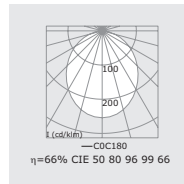


230V
50Hz

IP20



satin



100mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|------|----------------------|----------------|-----|
| 06.430t022y-zzzz | 570 | 400 | 8,0 | 1510 | - |
| 06.430t023y-zzzz | 850 | 530 | 12,0 | 2265 | - |
| 06.430t024y-zzzz | 1130 | 810 | 16,0 | 3020 | - |
| 06.430t025y-zzzz | 1410 | 1090 | 20,0 | 3775 | - |
| 06.430t422y-zzzz | 570 | 400 | 8,0 | 1510 | dim |
| 06.430t423y-zzzz | 850 | 530 | 12,0 | 2265 | dim |
| 06.430t424y-zzzz | 1130 | 810 | 16,0 | 3020 | dim |
| 06.430t425y-zzzz | 1410 | 1090 | 20,0 | 3775 | dim |

150mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|------|----------------------|----------------|-----|
| 06.430t042y-zzzz | 570 | 400 | 12,0 | 2200 | - |
| 06.430t043y-zzzz | 850 | 530 | 18,0 | 3300 | - |
| 06.430t044y-zzzz | 1130 | 810 | 24,0 | 4400 | - |
| 06.430t045y-zzzz | 1410 | 1090 | 30,0 | 5500 | - |
| 06.430t442y-zzzz | 570 | 400 | 12,0 | 2200 | dim |
| 06.430t443y-zzzz | 850 | 530 | 18,0 | 3300 | dim |
| 06.430t444y-zzzz | 1130 | 810 | 24,0 | 4400 | dim |
| 06.430t445y-zzzz | 1410 | 1090 | 30,0 | 5500 | dim |

t= diffusers

0= satin diffuser


y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info

 dimmable version DALI/TD
emergency on request





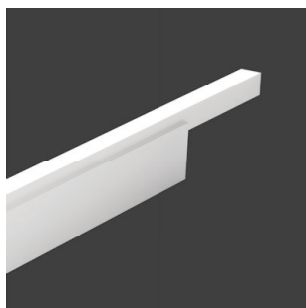


GRIP TYPE 1

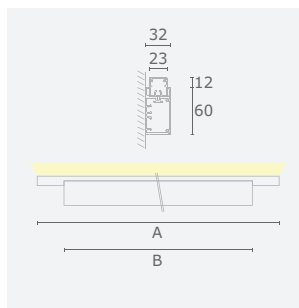
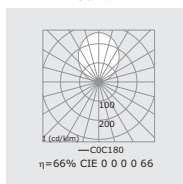
indirect lighting

230V
50Hz

IP20



satin



100mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|------|----------------------|----------------|-----|
| 06.431t022y-zzzz | 570 | 400 | 8,0 | 1510 | - |
| 06.431t023y-zzzz | 850 | 530 | 12,0 | 2265 | - |
| 06.431t024y-zzzz | 1130 | 810 | 16,0 | 3020 | - |
| 06.431t025y-zzzz | 1410 | 1090 | 20,0 | 3775 | - |
| 06.431t422y-zzzz | 570 | 400 | 8,0 | 1510 | dim |
| 06.431t423y-zzzz | 850 | 530 | 12,0 | 2265 | dim |
| 06.431t424y-zzzz | 1130 | 810 | 16,0 | 3020 | dim |
| 06.431t425y-zzzz | 1410 | 1090 | 20,0 | 3775 | dim |

150mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|------|----------------------|----------------|-----|
| 06.431t042y-zzzz | 570 | 400 | 12,0 | 2200 | - |
| 06.431t043y-zzzz | 850 | 530 | 18,0 | 3300 | - |
| 06.431t044y-zzzz | 1130 | 810 | 24,0 | 4400 | - |
| 06.431t045y-zzzz | 1410 | 1090 | 30,0 | 5500 | - |
| 06.431t442y-zzzz | 570 | 400 | 12,0 | 2200 | dim |
| 06.431t443y-zzzz | 850 | 530 | 18,0 | 3300 | dim |
| 06.431t444y-zzzz | 1130 | 810 | 24,0 | 4400 | dim |
| 06.431t445y-zzzz | 1410 | 1090 | 30,0 | 5500 | dim |

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimnable version DALI/TD
emergency on request

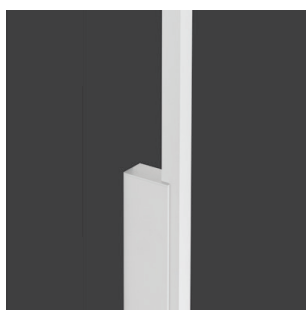




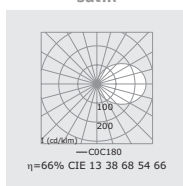
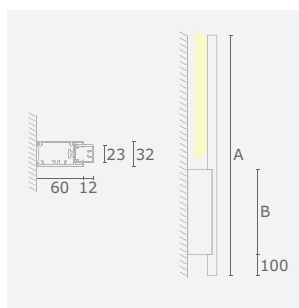
GRIP TYPE 2

indirect lighting

230V
50Hz IP20 A CE PS



satin



100mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|-----|----------------------|----------------|-----|
| 06.432t022y-zzzz | 1130 | 400 | 8,0 | 1510 | - |
| 06.432t422y-zzzz | 1130 | 400 | 8,0 | 1510 | dim |

150mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|-----|----------------------|----------------|-----|
| 06.432t042y-zzzz | 1130 | 400 | 12,0 | 2200 | - |
| 06.432t442y-zzzz | 1130 | 400 | 12,0 | 2200 | dim |

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info

 dimmable version DALI/TD
emergency on request

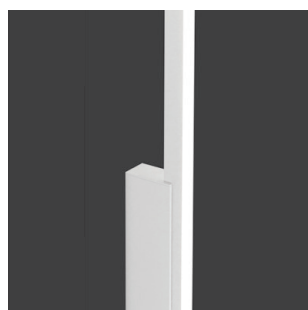




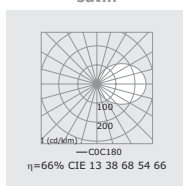
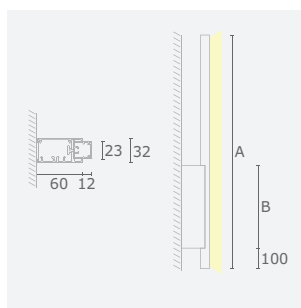
GRIP TYPE 2

direct lighting

230V
50Hz IP20 A CE PS



satin



100mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|-----|----------------------|----------------|-----|
| 06.433t024y-zzzz | 1130 | 400 | 16,0 | 3020 | - |
| 06.433t424y-zzzz | 1130 | 400 | 16,0 | 3020 | dim |

150mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|-----|----------------------|----------------|-----|
| 06.433t044y-zzzz | 1130 | 400 | 24,0 | 4400 | - |
| 06.433t444y-zzzz | 1130 | 400 | 24,0 | 4400 | dim |

t= diffusers

0= satin diffuser

y= colour temperature

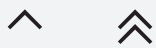
3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info

 dimmable version DALI/TD
emergency on request



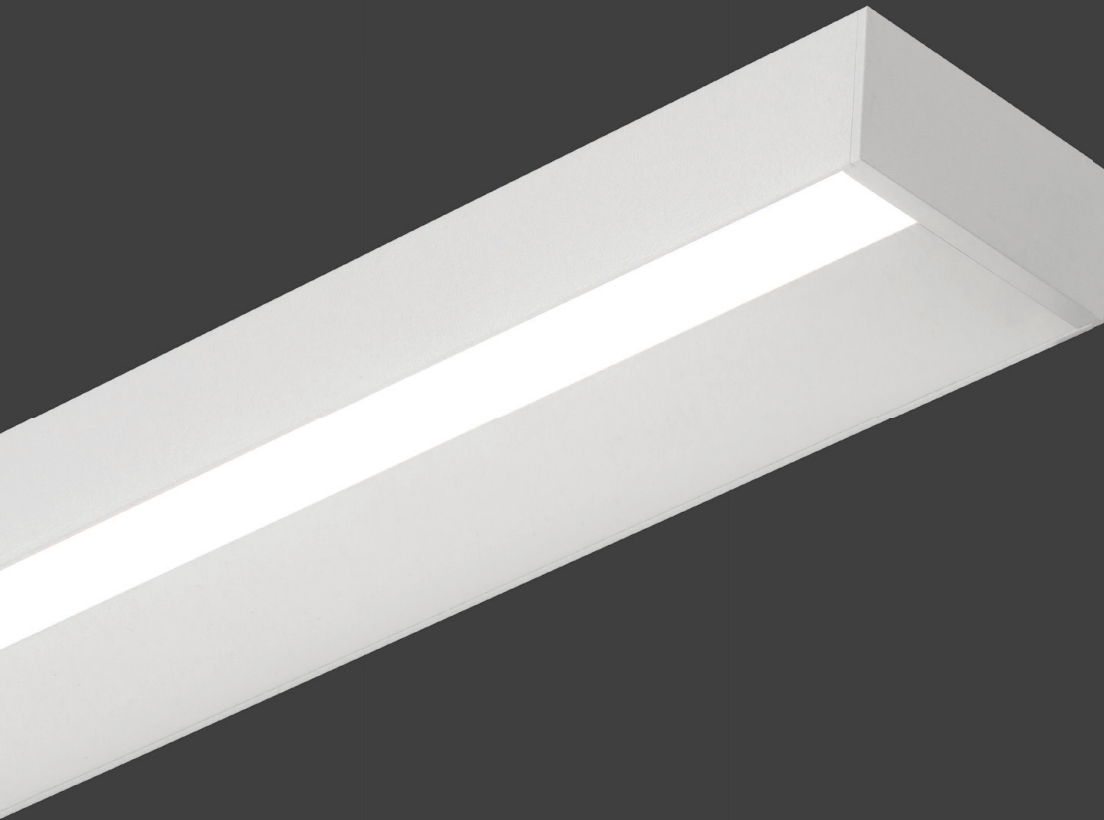
OFFSIDE



DESIGN **PLUS**

powered by: **light+**building

2022





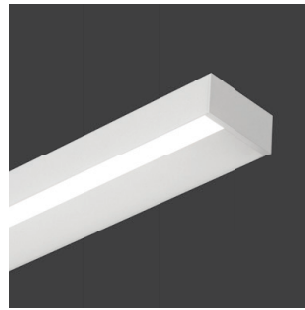
OFFSIDE

direct lighting

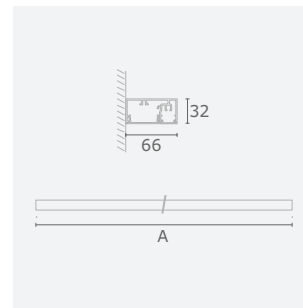
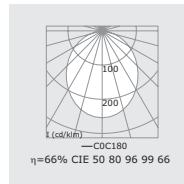


230V
50Hz

IP20



satin



100mA

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 06.470t022y-zzzz | 570 | 8,0 | 1510 | - |
| 06.470t023y-zzzz | 850 | 12,0 | 2265 | - |
| 06.470t024y-zzzz | 1130 | 16,0 | 3020 | - |
| 06.470t025y-zzzz | 1410 | 20,0 | 3775 | - |
| 06.470t422y-zzzz | 570 | 8,0 | 1510 | dim |
| 06.470t423y-zzzz | 850 | 12,0 | 2265 | dim |
| 06.470t424y-zzzz | 1130 | 16,0 | 3020 | dim |
| 06.470t425y-zzzz | 1410 | 20,0 | 3775 | dim |

150mA

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 06.470t042y-zzzz | 570 | 12,0 | 2200 | - |
| 06.470t043y-zzzz | 850 | 18,0 | 3300 | - |
| 06.470t044y-zzzz | 1130 | 24,0 | 4400 | - |
| 06.470t045y-zzzz | 1410 | 30,0 | 5500 | - |
| 06.470t442y-zzzz | 570 | 12,0 | 2200 | dim |
| 06.470t443y-zzzz | 850 | 18,0 | 3300 | dim |
| 06.470t444y-zzzz | 1130 | 24,0 | 4400 | dim |
| 06.470t445y-zzzz | 1410 | 30,0 | 5500 | dim |

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

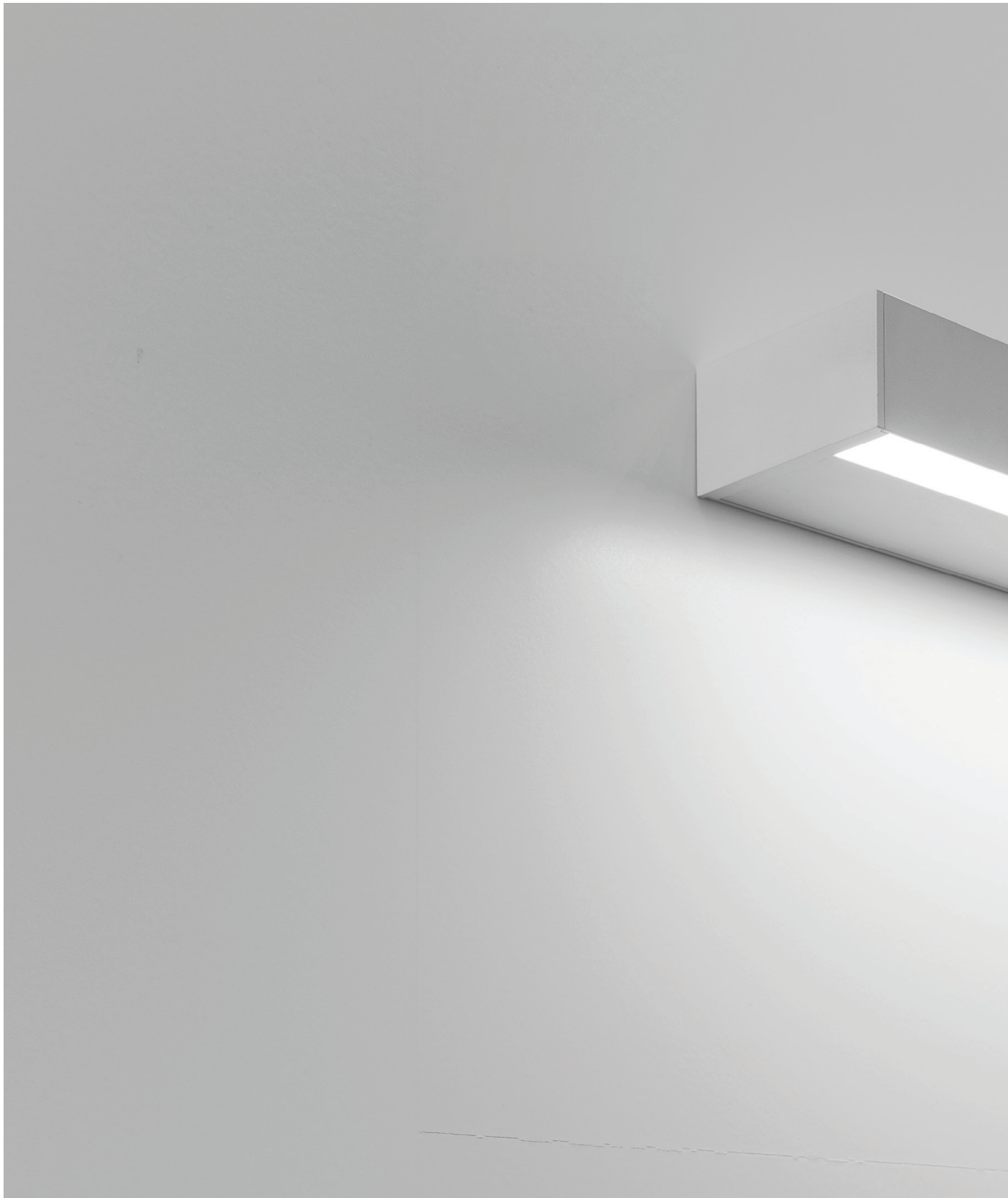
zzzz= colour

9999= any RAL colour

info



dimmmable version DALI/TD
emergency on request







OFFSIDE

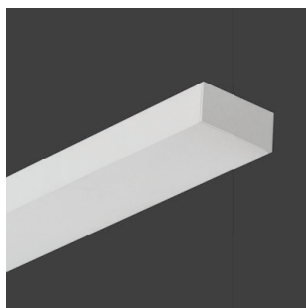
indirect lighting

230V
50Hz

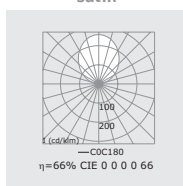
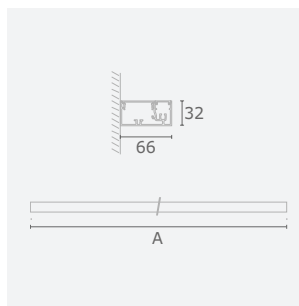
IP20

CE

PS



satin



100mA

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 06.471t022y-zzzz | 570 | 8,0 | 1510 | - |
| 06.471t023y-zzzz | 850 | 12,0 | 2265 | - |
| 06.471t024y-zzzz | 1130 | 16,0 | 3020 | - |
| 06.471t025y-zzzz | 1410 | 20,0 | 3775 | - |
| 06.471t422y-zzzz | 570 | 8,0 | 1510 | dim |
| 06.471t423y-zzzz | 850 | 12,0 | 2265 | dim |
| 06.471t424y-zzzz | 1130 | 16,0 | 3020 | dim |
| 06.471t425y-zzzz | 1410 | 20,0 | 3775 | dim |

150mA

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 06.471t042y-zzzz | 570 | 12,0 | 2200 | - |
| 06.471t043y-zzzz | 850 | 18,0 | 3300 | - |
| 06.471t044y-zzzz | 1130 | 24,0 | 4400 | - |
| 06.471t045y-zzzz | 1410 | 30,0 | 5500 | - |
| 06.471t442y-zzzz | 570 | 12,0 | 2200 | dim |
| 06.471t443y-zzzz | 850 | 18,0 | 3300 | dim |
| 06.471t444y-zzzz | 1130 | 24,0 | 4400 | dim |
| 06.471t445y-zzzz | 1410 | 30,0 | 5500 | dim |

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimmmable version DALI/TD
emergency on request



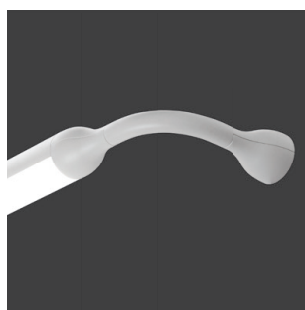


SNAKE

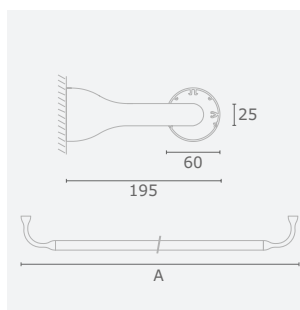
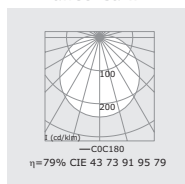


SNAKE direct lighting

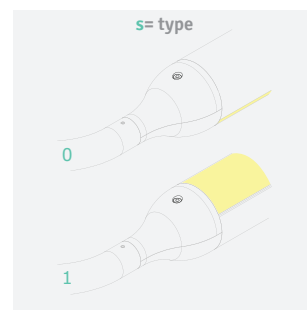
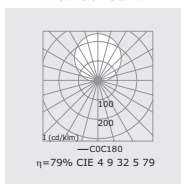
230V
50Hz
 IP20
 A
 CE
 PS



direct satin



indirect satin



See page 124 for more information about the two different types

LOW lumen output

| code | A | watt excl. driver | gross lumen | dim |
|--------------------------------------------|------|----------------------|----------------|-----|
| 06.48s t 052 y - zzzz | 950 | 6,4 | 1340 | - |
| 06.48s t 053 y - zzzz | 1230 | 9,6 | 2010 | - |
| 06.48s t 054 y - zzzz | 1510 | 12,8 | 2680 | - |
| 06.48s t 055 y - zzzz | 1790 | 16,0 | 3350 | - |
| 06.48s t 056 y - zzzz | 2070 | 19,2 | 4020 | - |
| 06.48s t 057 y - zzzz | 2350 | 22,4 | 4690 | - |
| 06.48s t 452 y - zzzz | 950 | 6,4 | 1340 | dim |
| 06.48s t 453 y - zzzz | 1230 | 9,6 | 2010 | dim |
| 06.48s t 454 y - zzzz | 1510 | 12,8 | 2680 | dim |
| 06.48s t 455 y - zzzz | 1790 | 16,0 | 3350 | dim |
| 06.48s t 456 y - zzzz | 2070 | 19,2 | 4020 | dim |
| 06.48s t 457 y - zzzz | 2350 | 22,4 | 4690 | dim |

HIGH lumen output

| code | A | watt excl. driver | gross lumen | dim |
|--------------------------------------------|------|----------------------|----------------|-----|
| 06.48s t 062 y - zzzz | 950 | 14,4 | 2680 | - |
| 06.48s t 063 y - zzzz | 1230 | 21,6 | 4020 | - |
| 06.48s t 064 y - zzzz | 1510 | 28,8 | 5360 | - |
| 06.48s t 065 y - zzzz | 1790 | 36,0 | 6700 | - |
| 06.48s t 066 y - zzzz | 2070 | 43,2 | 8040 | - |
| 06.48s t 067 y - zzzz | 2350 | 50,4 | 9380 | - |
| 06.48s t 462 y - zzzz | 950 | 14,4 | 2680 | dim |
| 06.48s t 463 y - zzzz | 1230 | 21,6 | 4020 | dim |
| 06.48s t 464 y - zzzz | 1510 | 28,8 | 5360 | dim |
| 06.48s t 465 y - zzzz | 1790 | 36,0 | 6700 | dim |
| 06.48s t 466 y - zzzz | 2070 | 43,2 | 8040 | dim |
| 06.48s t 467 y - zzzz | 2350 | 50,4 | 9380 | dim |

s= type

- 0= screws on side of profile
- 1= screws on side of satin led diffuser

t= diffusers

- 0= satin diffuser

y= colour temperature

- 3= 3000K
- 4= 4000K
- 2700K on request

zzzz= colour

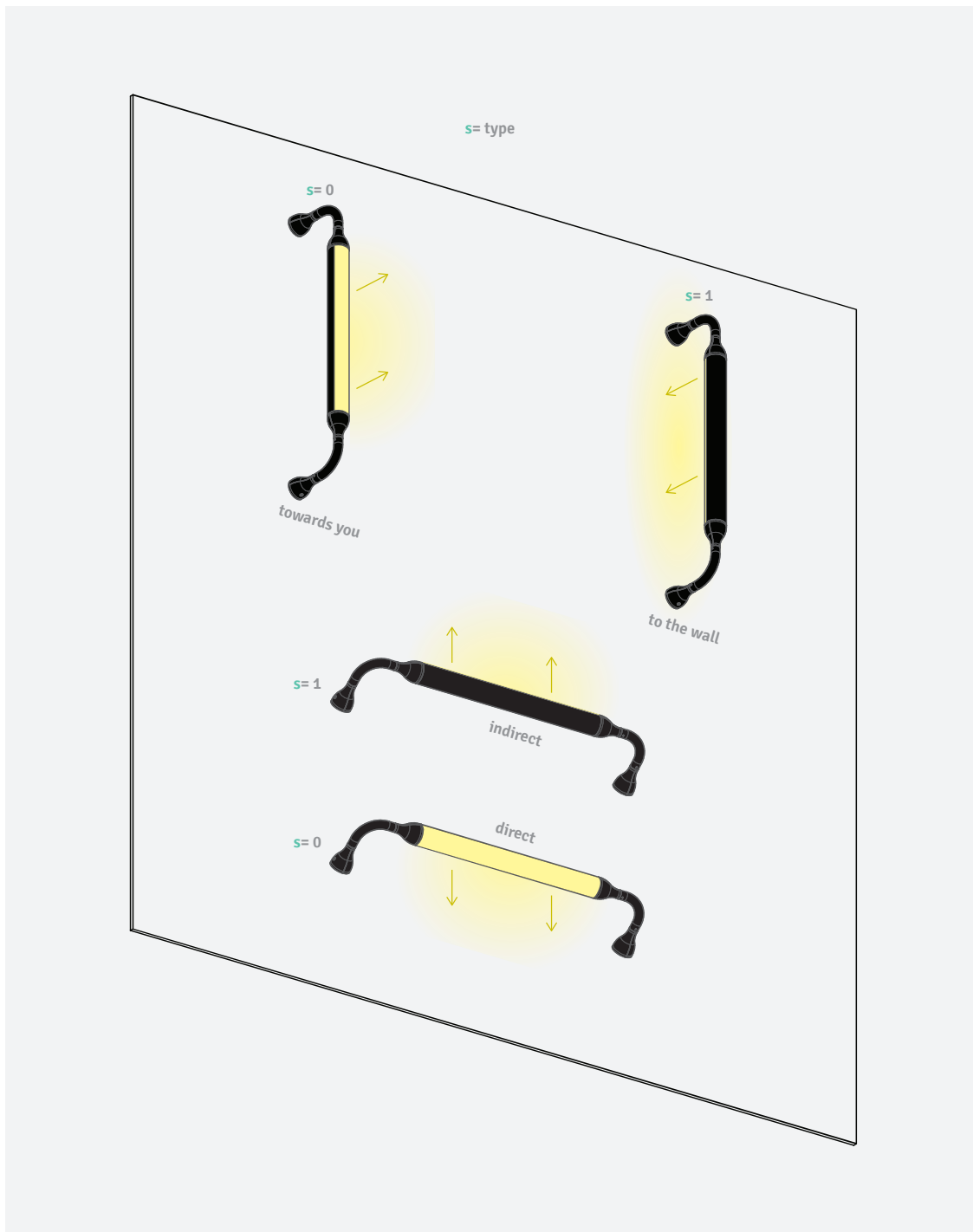
- 9999= any RAL colour

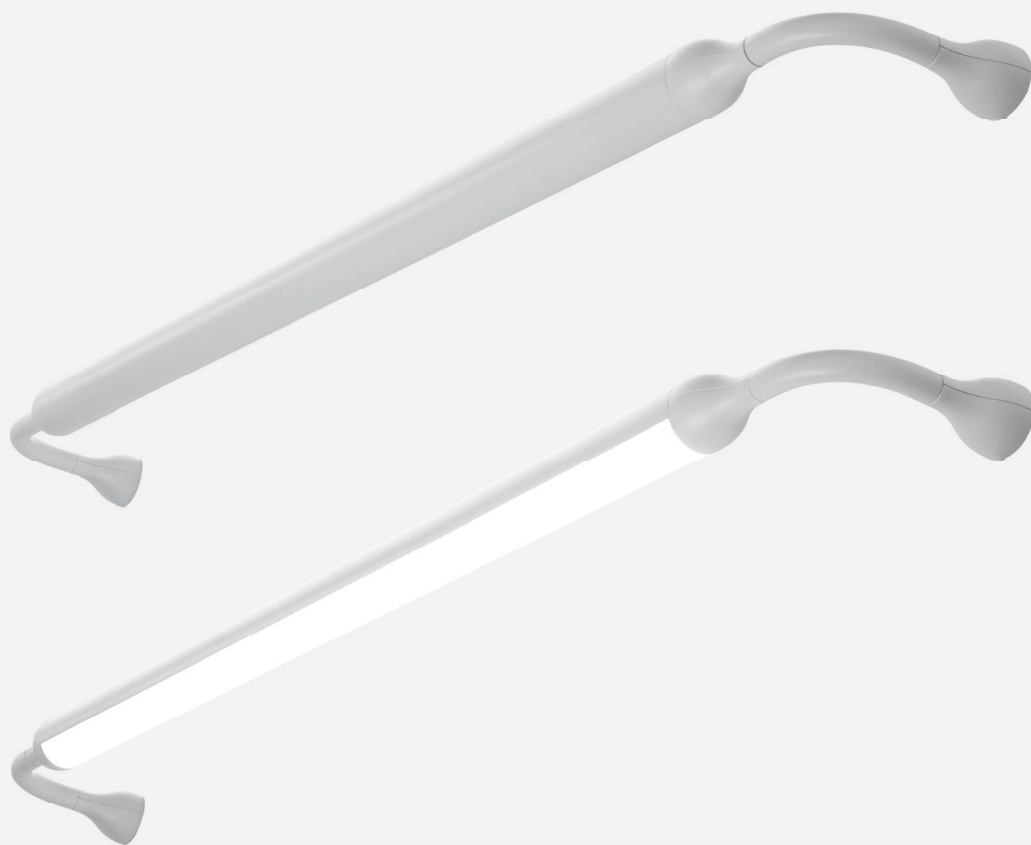
info

- dimmable version DALI/TD 1-10V and emergency on request



INFO









SURFACE MOUNTED LUMINAIRES



GRIP
128



OFFSIDE
136



SNAKE
140

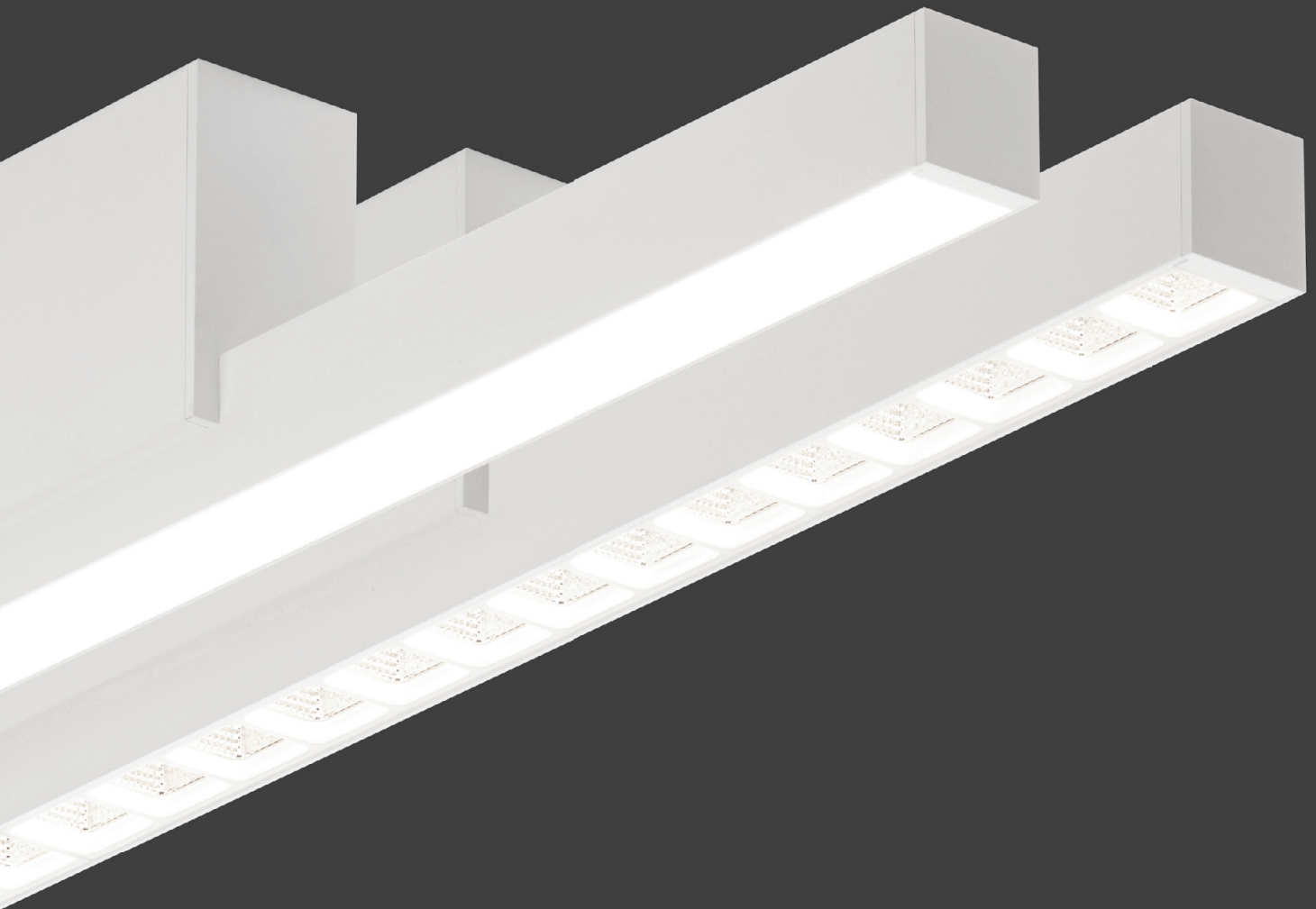
GRIP



DESIGN **PLUS**

powered by: **light+**building

2022





GRIP T1

direct lighting

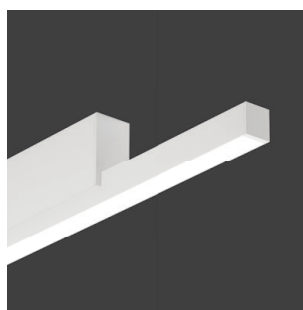


230V
50Hz

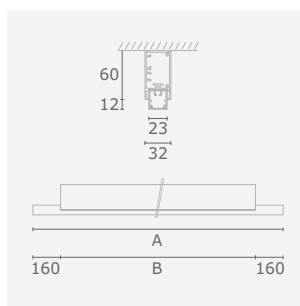
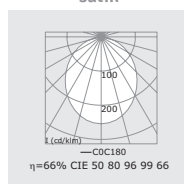
IP20



PS



satin



100mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|------|----------------------|----------------|-----|
| 05.430t024y-zzzz | 1130 | 810 | 16,0 | 3020 | - |
| 05.430t025y-zzzz | 1410 | 1090 | 20,0 | 3775 | - |
| 05.430t026y-zzzz | 1690 | 1370 | 24,0 | 4530 | - |
| 05.430t027y-zzzz | 1970 | 1650 | 28,0 | 5285 | - |
| 05.430t028y-zzzz | 2250 | 1930 | 32,0 | 6040 | - |
| 05.430t029y-zzzz | 2530 | 2210 | 36,0 | 6795 | - |
| 05.430t020y-zzzz | 2810 | 2490 | 40,0 | 7550 | - |
| 05.430t424y-zzzz | 1130 | 810 | 16,0 | 3020 | dim |
| 05.430t425y-zzzz | 1410 | 1090 | 20,0 | 3775 | dim |
| 05.430t426y-zzzz | 1690 | 1370 | 24,0 | 4530 | dim |
| 05.430t427y-zzzz | 1970 | 1650 | 28,0 | 5285 | dim |
| 05.430t428y-zzzz | 2250 | 1930 | 32,0 | 6040 | dim |
| 05.430t429y-zzzz | 2530 | 2210 | 36,0 | 6795 | dim |
| 05.430t420y-zzzz | 2810 | 2490 | 40,0 | 7550 | dim |

150mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|------|----------------------|----------------|-----|
| 05.430t044y-zzzz | 1130 | 810 | 24,0 | 4400 | - |
| 05.430t045y-zzzz | 1410 | 1090 | 30,0 | 5500 | - |
| 05.430t046y-zzzz | 1690 | 1370 | 36,0 | 6600 | - |
| 05.430t047y-zzzz | 1970 | 1650 | 42,0 | 7700 | - |
| 05.430t048y-zzzz | 2250 | 1930 | 48,0 | 8800 | - |
| 05.430t049y-zzzz | 2530 | 2210 | 54,0 | 9900 | - |
| 05.430t040y-zzzz | 2810 | 2490 | 60,0 | 11000 | - |
| 05.430t444y-zzzz | 1130 | 810 | 24,0 | 4400 | dim |
| 05.430t445y-zzzz | 1410 | 1090 | 30,0 | 5500 | dim |
| 05.430t446y-zzzz | 1690 | 1370 | 36,0 | 6600 | dim |
| 05.430t447y-zzzz | 1970 | 1650 | 42,0 | 7700 | dim |
| 05.430t448y-zzzz | 2250 | 1930 | 48,0 | 8800 | dim |
| 05.430t449y-zzzz | 2530 | 2210 | 54,0 | 9900 | dim |
| 05.430t440y-zzzz | 2810 | 2490 | 60,0 | 11000 | dim |

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimable version DALI/TD
emergency on request





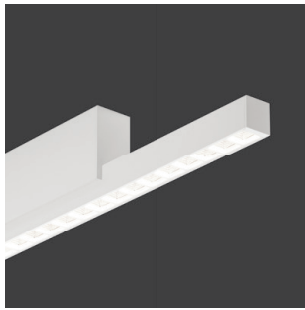


GRIP T1

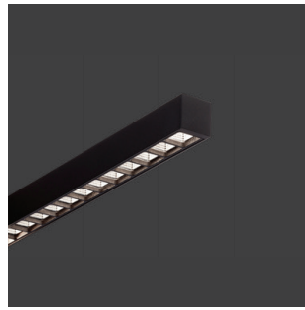
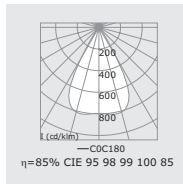
direct lighting

230V
50Hz IP20 A CE PS

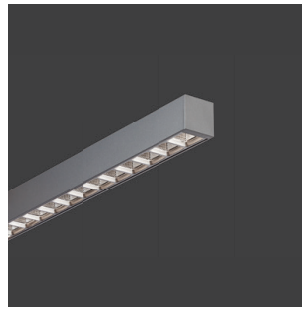
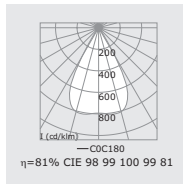
UGR
≤19



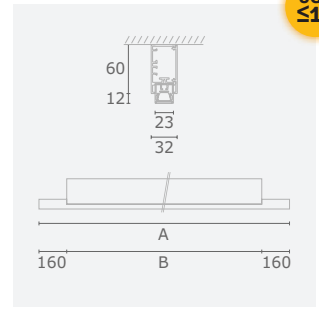
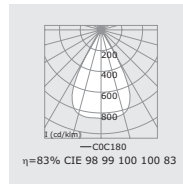
LRLW



LRLB



LRLC



100mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|------|----------------------|----------------|-----|
| 05.430t024y-zzzz | 1130 | 810 | 16,0 | 3020 | - |
| 05.430t025y-zzzz | 1410 | 1090 | 20,0 | 3775 | - |
| 05.430t026y-zzzz | 1690 | 1370 | 24,0 | 4530 | - |
| 05.430t027y-zzzz | 1970 | 1650 | 28,0 | 5285 | - |
| 05.430t028y-zzzz | 2250 | 1930 | 32,0 | 6040 | - |
| 05.430t029y-zzzz | 2530 | 2210 | 36,0 | 6795 | - |
| 05.430t020y-zzzz | 2810 | 2490 | 40,0 | 7550 | - |
| 05.430t424y-zzzz | 1130 | 810 | 16,0 | 3020 | dim |
| 05.430t425y-zzzz | 1410 | 1090 | 20,0 | 3775 | dim |
| 05.430t426y-zzzz | 1690 | 1370 | 24,0 | 4530 | dim |
| 05.430t427y-zzzz | 1970 | 1650 | 28,0 | 5285 | dim |
| 05.430t428y-zzzz | 2250 | 1930 | 32,0 | 6040 | dim |
| 05.430t429y-zzzz | 2530 | 2210 | 36,0 | 6795 | dim |
| 05.430t420y-zzzz | 2810 | 2490 | 40,0 | 7550 | dim |

150mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|------|----------------------|----------------|-----|
| 05.430t044y-zzzz | 1130 | 810 | 24,0 | 4400 | - |
| 05.430t045y-zzzz | 1410 | 1090 | 30,0 | 5500 | - |
| 05.430t046y-zzzz | 1690 | 1370 | 36,0 | 6600 | - |
| 05.430t047y-zzzz | 1970 | 1650 | 42,0 | 7700 | - |
| 05.430t048y-zzzz | 2250 | 1930 | 48,0 | 8800 | - |
| 05.430t049y-zzzz | 2530 | 2210 | 54,0 | 9900 | - |
| 05.430t040y-zzzz | 2810 | 2490 | 60,0 | 11000 | - |
| 05.430t444y-zzzz | 1130 | 810 | 24,0 | 4400 | dim |
| 05.430t445y-zzzz | 1410 | 1090 | 30,0 | 5500 | dim |
| 05.430t446y-zzzz | 1690 | 1370 | 36,0 | 6600 | dim |
| 05.430t447y-zzzz | 1970 | 1650 | 42,0 | 7700 | dim |
| 05.430t448y-zzzz | 2250 | 1930 | 48,0 | 8800 | dim |
| 05.430t449y-zzzz | 2530 | 2210 | 54,0 | 9900 | dim |
| 05.430t440y-zzzz | 2810 | 2490 | 60,0 | 11000 | dim |

t= diffusers

4= LRLW
5= LRLB
6= LRLC

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimable version DALI/TD. Emergency on request
In case the 150mA current setting is combined with
a white louvre (LRLW), the UGR is 15,8/19,4 (at 4H/8H)



GRIP T2

direct lighting

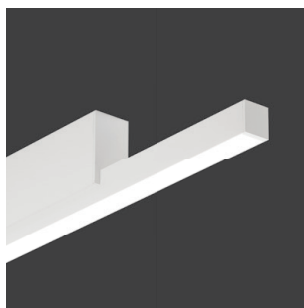
230V
50Hz

IP20

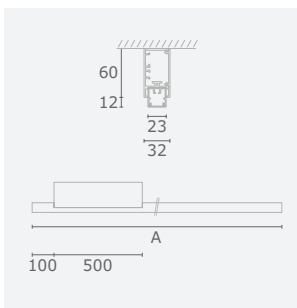
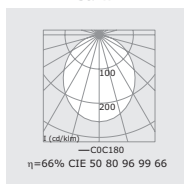
A

CE

PS



satin



100mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|-----|----------------------|----------------|-----|
| 05.434t024y-zzzz | 1130 | 500 | 16,0 | 3020 | - |
| 05.434t025y-zzzz | 1410 | 500 | 20,0 | 3775 | - |
| 05.434t424y-zzzz | 1130 | 500 | 16,0 | 3020 | dim |
| 05.434t425y-zzzz | 1410 | 500 | 20,0 | 3775 | dim |

150mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|-----|----------------------|----------------|-----|
| 05.434t044y-zzzz | 1130 | 500 | 24,0 | 4400 | - |
| 05.434t045y-zzzz | 1410 | 500 | 30,0 | 5500 | - |
| 05.434t444y-zzzz | 1130 | 500 | 24,0 | 4400 | dim |
| 05.434t445y-zzzz | 1410 | 500 | 30,0 | 5500 | dim |

t= diffusers

0= satin diffuser


y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info

 dimmable version DALI/TD
emergency on request

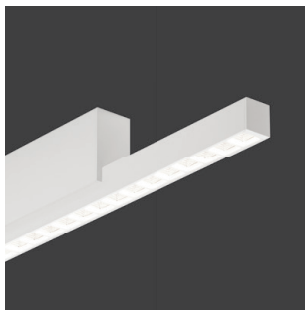


GRIP T2

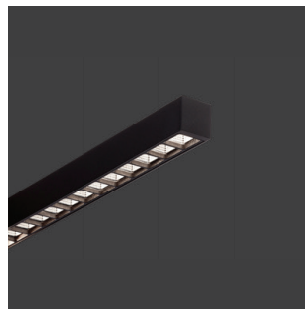
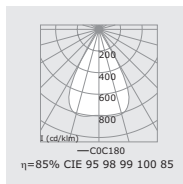
direct lighting

230V 50Hz IP20 A PS

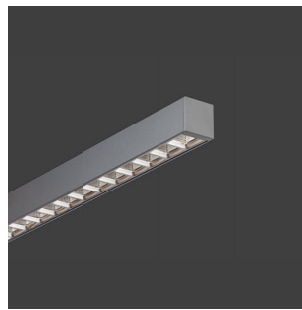
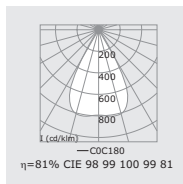
UGR ≤19



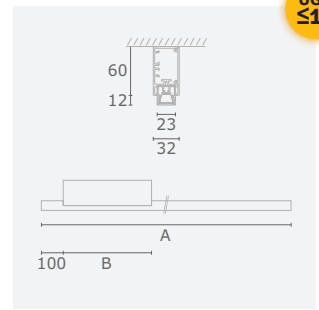
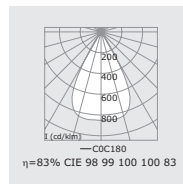
LRLW



LRLB



LRLC



100mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|-----|----------------------|----------------|-----|
| 05.434t024y-zzzz | 1130 | 500 | 16,0 | 3020 | - |
| 05.434t025y-zzzz | 1410 | 500 | 20,0 | 3775 | - |
| 05.434t424y-zzzz | 1130 | 500 | 16,0 | 3020 | dim |
| 05.434t425y-zzzz | 1410 | 500 | 20,0 | 3775 | dim |

150mA

| code | A | B | watt excl. driver | gross lumen | dim |
|------------------|------|-----|----------------------|----------------|-----|
| 05.434t044y-zzzz | 1130 | 500 | 24,0 | 4400 | - |
| 05.434t045y-zzzz | 1410 | 500 | 30,0 | 5500 | - |
| 05.434t444y-zzzz | 1130 | 500 | 24,0 | 4400 | dim |
| 05.434t445y-zzzz | 1410 | 500 | 30,0 | 5500 | dim |

t= diffusers

4= LRLW
5= LRLB
6= LRLC

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimable version DALI/TD. Emergency on request
In case the 150mA current setting is combined with a white louvre (LRLW), the UGR is 15,8/19,4 (at 4H/8H)

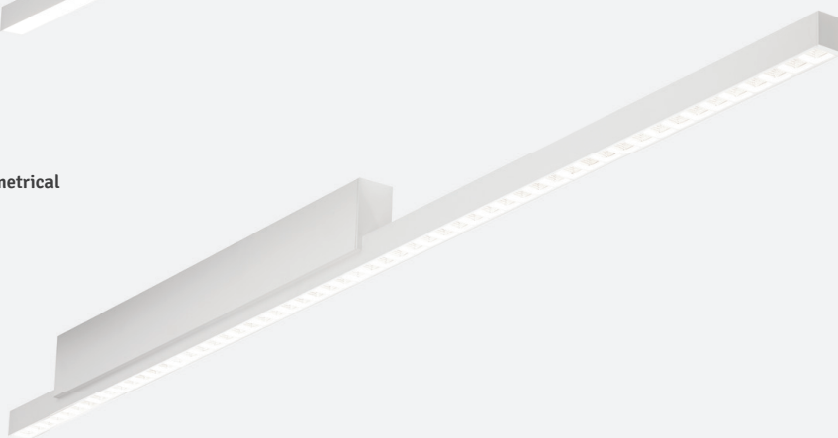


INFO

Grip T1
= symmetrical



Grip T2
= asymmetrical



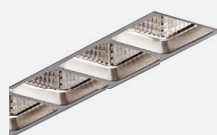
diffusers



LRLW =
Lens
Reflector
Louvre - matte White



LRLB =
Lens
Reflector
Louvre - matte Black



LRLC =
Lens
Reflector
Louvre - matte Chrome



satin LED diffuser

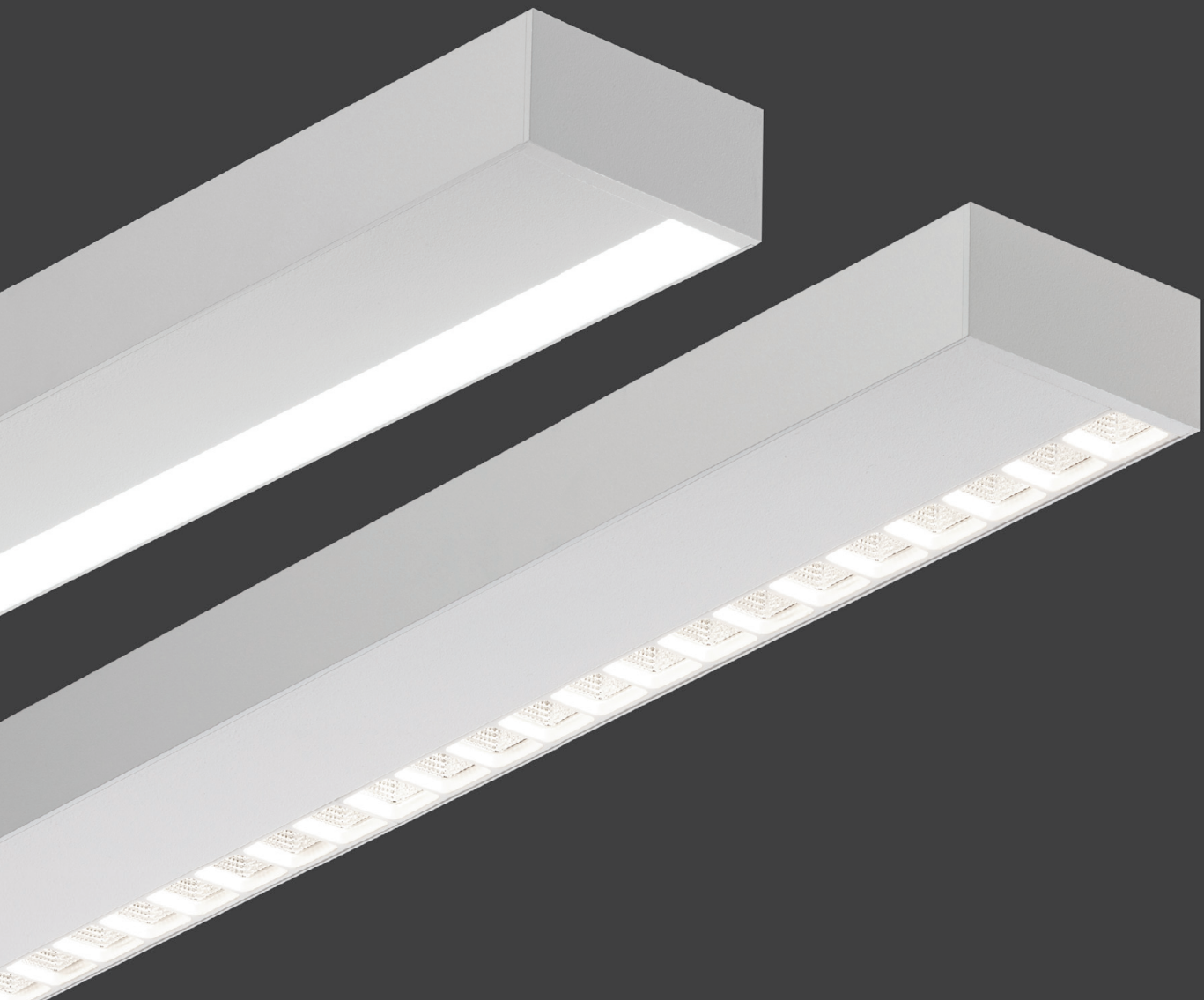
OFFSIDE



DESIGN **PLUS**

powered by: **light+**building

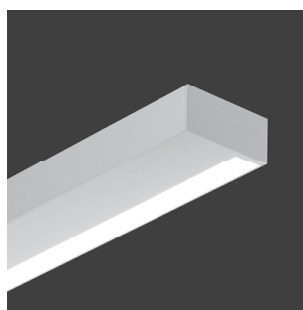
2022



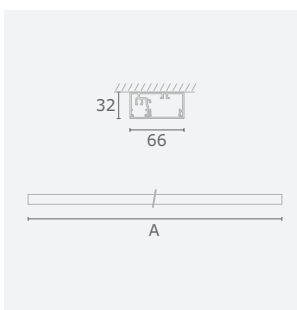
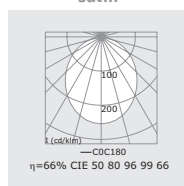
OFFSIDE

direct lighting

230V 50Hz IP20 A CE PS



satin



100mA

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 05.470t024y-zzzz | 1130 | 16,0 | 3020 | - |
| 05.470t025y-zzzz | 1410 | 20,0 | 3775 | - |
| 05.470t026y-zzzz | 1690 | 24,0 | 4530 | - |
| 05.470t027y-zzzz | 1970 | 28,0 | 5285 | - |
| 05.470t028y-zzzz | 2250 | 32,0 | 6040 | - |
| 05.470t029y-zzzz | 2530 | 36,0 | 6795 | - |
| 05.470t020y-zzzz | 2810 | 40,0 | 7550 | - |
| 05.470t424y-zzzz | 1130 | 16,0 | 3020 | dim |
| 05.470t425y-zzzz | 1410 | 20,0 | 3775 | dim |
| 05.470t426y-zzzz | 1690 | 24,0 | 4530 | dim |
| 05.470t427y-zzzz | 1970 | 28,0 | 5285 | dim |
| 05.470t428y-zzzz | 2250 | 32,0 | 6040 | dim |
| 05.470t429y-zzzz | 2530 | 36,0 | 6795 | dim |
| 05.470t420y-zzzz | 2810 | 40,0 | 7550 | dim |

150mA

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 05.470t044y-zzzz | 1130 | 24,0 | 4400 | - |
| 05.470t045y-zzzz | 1410 | 30,0 | 5500 | - |
| 05.470t046y-zzzz | 1690 | 36,0 | 6600 | - |
| 05.470t047y-zzzz | 1970 | 42,0 | 7700 | - |
| 05.470t048y-zzzz | 2250 | 48,0 | 8800 | - |
| 05.470t049y-zzzz | 2530 | 54,0 | 9900 | - |
| 05.470t040y-zzzz | 2810 | 60,0 | 11000 | - |
| 05.470t444y-zzzz | 1130 | 24,0 | 4400 | dim |
| 05.470t445y-zzzz | 1410 | 30,0 | 5500 | dim |
| 05.470t446y-zzzz | 1690 | 36,0 | 6600 | dim |
| 05.470t447y-zzzz | 1970 | 42,0 | 7700 | dim |
| 05.470t448y-zzzz | 2250 | 48,0 | 8800 | dim |
| 05.470t449y-zzzz | 2530 | 54,0 | 9900 | dim |
| 05.470t440y-zzzz | 2810 | 60,0 | 11000 | dim |

t= diffusers

0= satin diffuser


y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info

 dimmable version DALI/TD
emergency on request



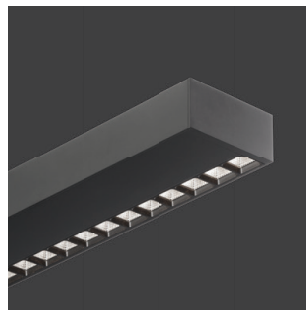
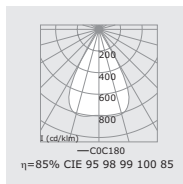
OFFSIDE direct lighting

230V
50Hz IP20 PS

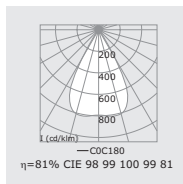
UGR
≤19



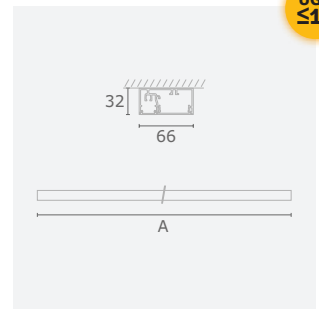
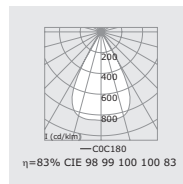
LRLW



LRLB



LRLC



100mA

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 05.470t024y-zzzz | 1130 | 16,0 | 3020 | - |
| 05.470t025y-zzzz | 1410 | 20,0 | 3775 | - |
| 05.470t026y-zzzz | 1690 | 24,0 | 4530 | - |
| 05.470t027y-zzzz | 1970 | 28,0 | 5285 | - |
| 05.470t028y-zzzz | 2250 | 32,0 | 6040 | - |
| 05.470t029y-zzzz | 2530 | 36,0 | 6795 | - |
| 05.470t020y-zzzz | 2810 | 40,0 | 7550 | - |
| 05.470t424y-zzzz | 1130 | 16,0 | 3020 | dim |
| 05.470t425y-zzzz | 1410 | 20,0 | 3775 | dim |
| 05.470t426y-zzzz | 1690 | 24,0 | 4530 | dim |
| 05.470t427y-zzzz | 1970 | 28,0 | 5285 | dim |
| 05.470t428y-zzzz | 2250 | 32,0 | 6040 | dim |
| 05.470t429y-zzzz | 2530 | 36,0 | 6795 | dim |
| 05.470t420y-zzzz | 2810 | 40,0 | 7550 | dim |

150mA

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 05.470t044y-zzzz | 1130 | 24,0 | 4400 | - |
| 05.470t045y-zzzz | 1410 | 30,0 | 5500 | - |
| 05.470t046y-zzzz | 1690 | 36,0 | 6600 | - |
| 05.470t047y-zzzz | 1970 | 42,0 | 7700 | - |
| 05.470t048y-zzzz | 2250 | 48,0 | 8800 | - |
| 05.470t049y-zzzz | 2530 | 54,0 | 9900 | - |
| 05.470t040y-zzzz | 2810 | 60,0 | 11000 | - |
| 05.470t444y-zzzz | 1130 | 24,0 | 4400 | dim |
| 05.470t445y-zzzz | 1410 | 30,0 | 5500 | dim |
| 05.470t446y-zzzz | 1690 | 36,0 | 6600 | dim |
| 05.470t447y-zzzz | 1970 | 42,0 | 7700 | dim |
| 05.470t448y-zzzz | 2250 | 48,0 | 8800 | dim |
| 05.470t449y-zzzz | 2530 | 54,0 | 9900 | dim |
| 05.470t440y-zzzz | 2810 | 60,0 | 11000 | dim |

t= diffusers

4= LRLW
5= LRLB
6= LRLC

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimable version DALI/TD. Emergency on request
In case the 150mA current setting is combined with
a white louvre (LRLW), the UGR is 15,8/19,4 (at 4H/8H)





SNAKE

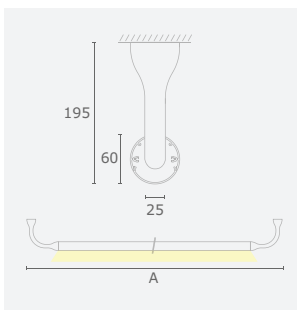
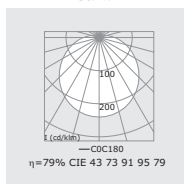


SNAKE direct lighting

230V 50Hz IP20 A CE PS



satin



LOW lumen output

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 05.480t052y-zzzz | 950 | 6,4 | 1340 | - |
| 05.480t053y-zzzz | 1230 | 9,6 | 2010 | - |
| 05.480t054y-zzzz | 1510 | 12,8 | 2680 | - |
| 05.480t055y-zzzz | 1790 | 16,0 | 3350 | - |
| 05.480t056y-zzzz | 2070 | 19,2 | 4020 | - |
| 05.480t057y-zzzz | 2350 | 22,4 | 4690 | - |
| 05.480t452y-zzzz | 950 | 6,4 | 1340 | dim |
| 05.480t453y-zzzz | 1230 | 9,6 | 2010 | dim |
| 05.480t454y-zzzz | 1510 | 12,8 | 2680 | dim |
| 05.480t455y-zzzz | 1790 | 16,0 | 3350 | dim |
| 05.480t456y-zzzz | 2070 | 19,2 | 4020 | dim |
| 05.480t457y-zzzz | 2350 | 22,4 | 4690 | dim |

HIGH lumen output

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 05.480t062y-zzzz | 950 | 14,4 | 2680 | - |
| 05.480t063y-zzzz | 1230 | 21,6 | 4020 | - |
| 05.480t064y-zzzz | 1510 | 28,8 | 5360 | - |
| 05.480t065y-zzzz | 1790 | 36,0 | 6700 | - |
| 05.480t066y-zzzz | 2070 | 43,2 | 8040 | - |
| 05.480t067y-zzzz | 2350 | 50,4 | 9380 | - |
| 05.480t462y-zzzz | 950 | 14,4 | 2680 | dim |
| 05.480t463y-zzzz | 1230 | 21,6 | 4020 | dim |
| 05.480t464y-zzzz | 1510 | 28,8 | 5360 | dim |
| 05.480t465y-zzzz | 1790 | 36,0 | 6700 | dim |
| 05.480t466y-zzzz | 2070 | 43,2 | 8040 | dim |
| 05.480t467y-zzzz | 2350 | 50,4 | 9380 | dim |

t= diffusers

0= satin diffuser

y= colour temperature

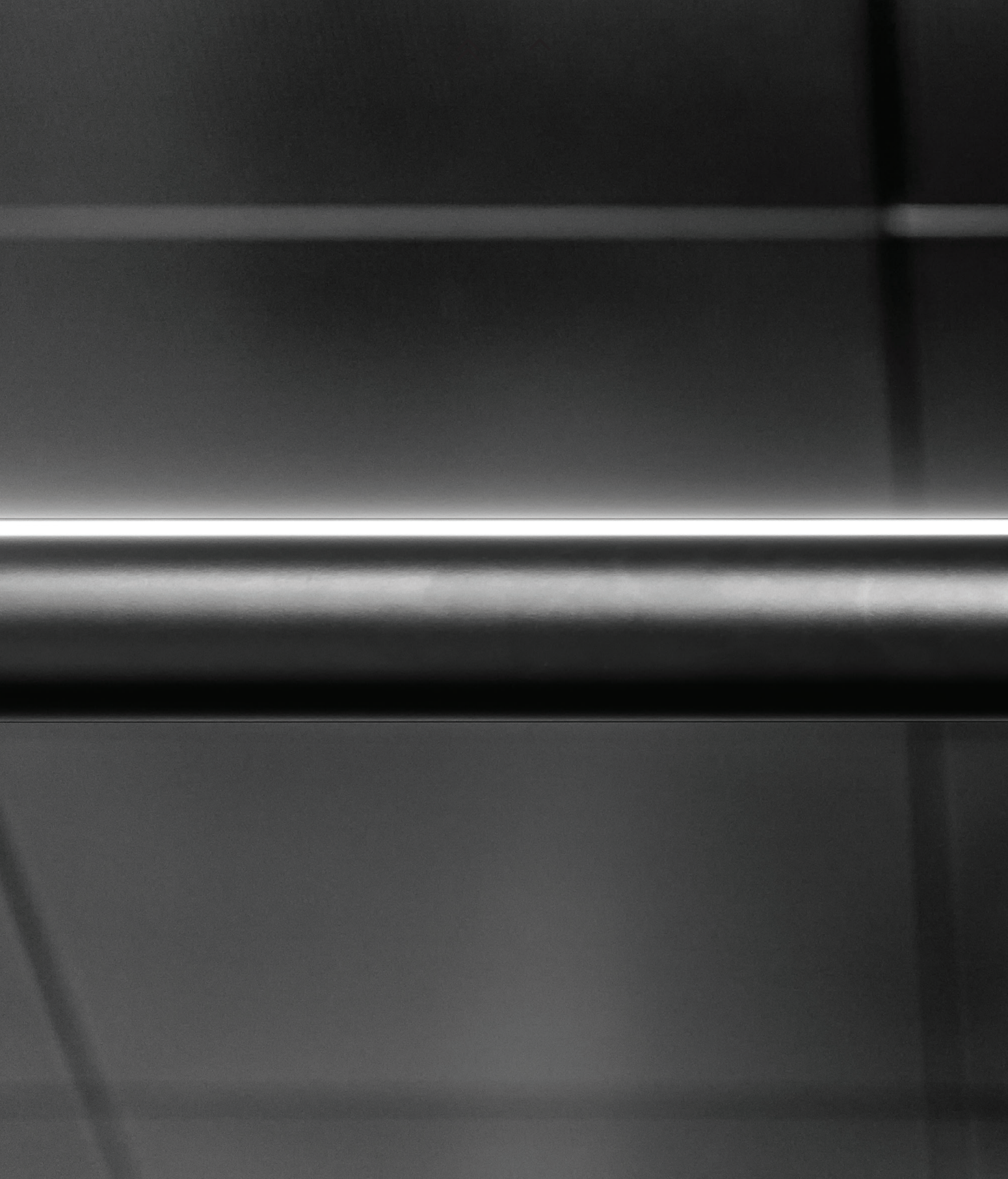
3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info

i dimmable version DALI/TD
1-10V and emergency on
request







SNAKE

indirect lighting

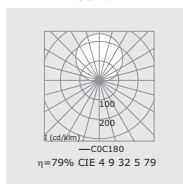
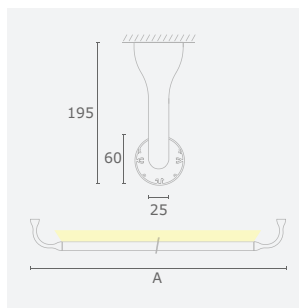


230V
50Hz

IP20



satin



LOW lumen output

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 05.481t052y-zzzz | 950 | 6,4 | 1340 | - |
| 05.481t053y-zzzz | 1230 | 9,6 | 2010 | - |
| 05.481t054y-zzzz | 1510 | 12,8 | 2680 | - |
| 05.481t055y-zzzz | 1790 | 16,0 | 3350 | - |
| 05.481t056y-zzzz | 2070 | 19,2 | 4020 | - |
| 05.481t057y-zzzz | 2350 | 22,4 | 4690 | - |
| 05.481t452y-zzzz | 950 | 6,4 | 1340 | dim |
| 05.481t453y-zzzz | 1230 | 9,6 | 2010 | dim |
| 05.481t454y-zzzz | 1510 | 12,8 | 2680 | dim |
| 05.481t455y-zzzz | 1790 | 16,0 | 3350 | dim |
| 05.481t456y-zzzz | 2070 | 19,2 | 4020 | dim |
| 05.481t457y-zzzz | 2350 | 22,4 | 4690 | dim |

HIGH lumen output

| code | A | watt excl. driver | gross lumen | dim |
|------------------|------|----------------------|----------------|-----|
| 05.481t062y-zzzz | 950 | 14,4 | 2680 | - |
| 05.481t063y-zzzz | 1230 | 21,6 | 4020 | - |
| 05.481t064y-zzzz | 1510 | 28,8 | 5360 | - |
| 05.481t065y-zzzz | 1790 | 36,0 | 6700 | - |
| 05.481t066y-zzzz | 2070 | 43,2 | 8040 | - |
| 05.481t067y-zzzz | 2350 | 50,4 | 9380 | - |
| 05.481t462y-zzzz | 950 | 14,4 | 2680 | dim |
| 05.481t463y-zzzz | 1230 | 21,6 | 4020 | dim |
| 05.481t464y-zzzz | 1510 | 28,8 | 5360 | dim |
| 05.481t465y-zzzz | 1790 | 36,0 | 6700 | dim |
| 05.481t466y-zzzz | 2070 | 43,2 | 8040 | dim |
| 05.481t467y-zzzz | 2350 | 50,4 | 9380 | dim |

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

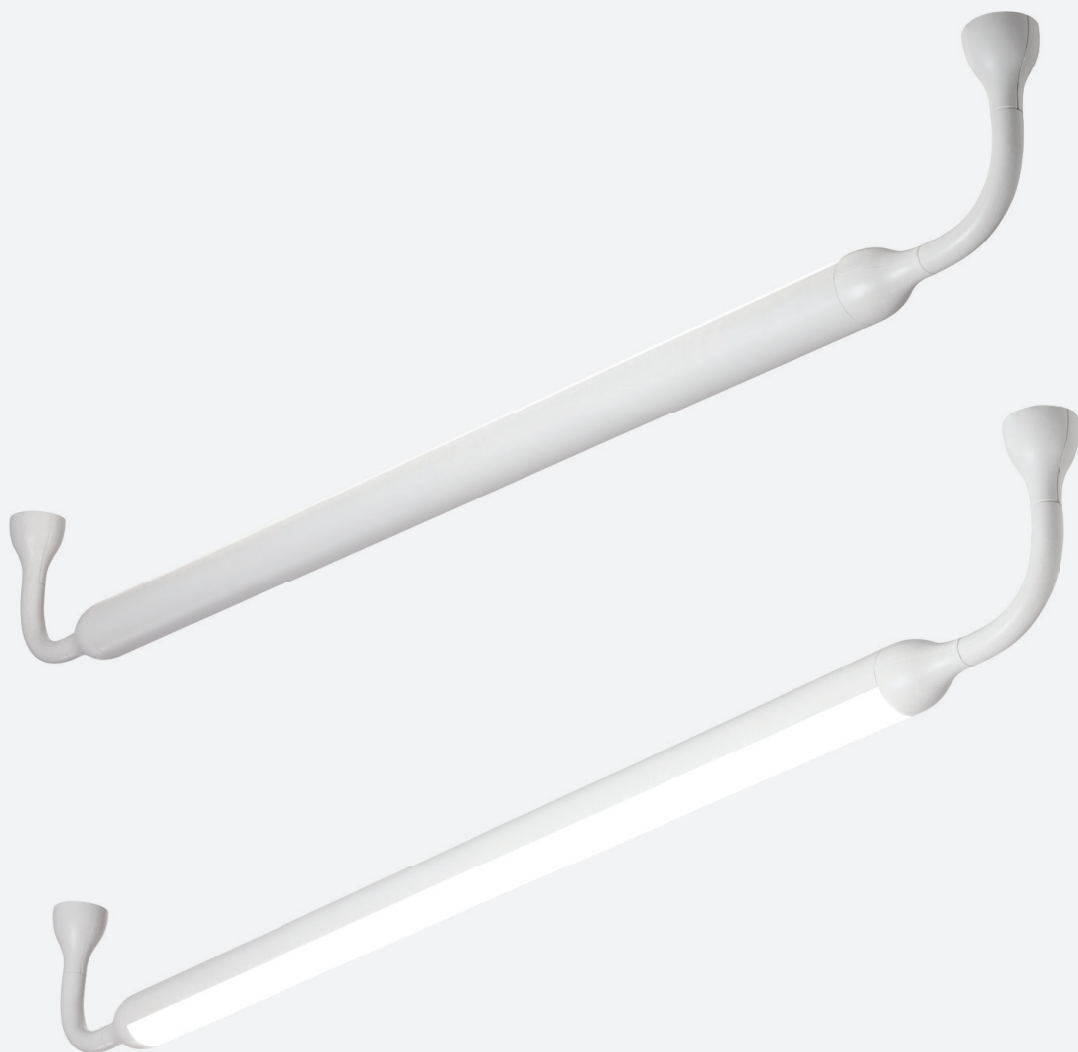
zzzz= colour

9999= any RAL colour

info



dimmable version DALI/TD
1-10V and emergency on
request





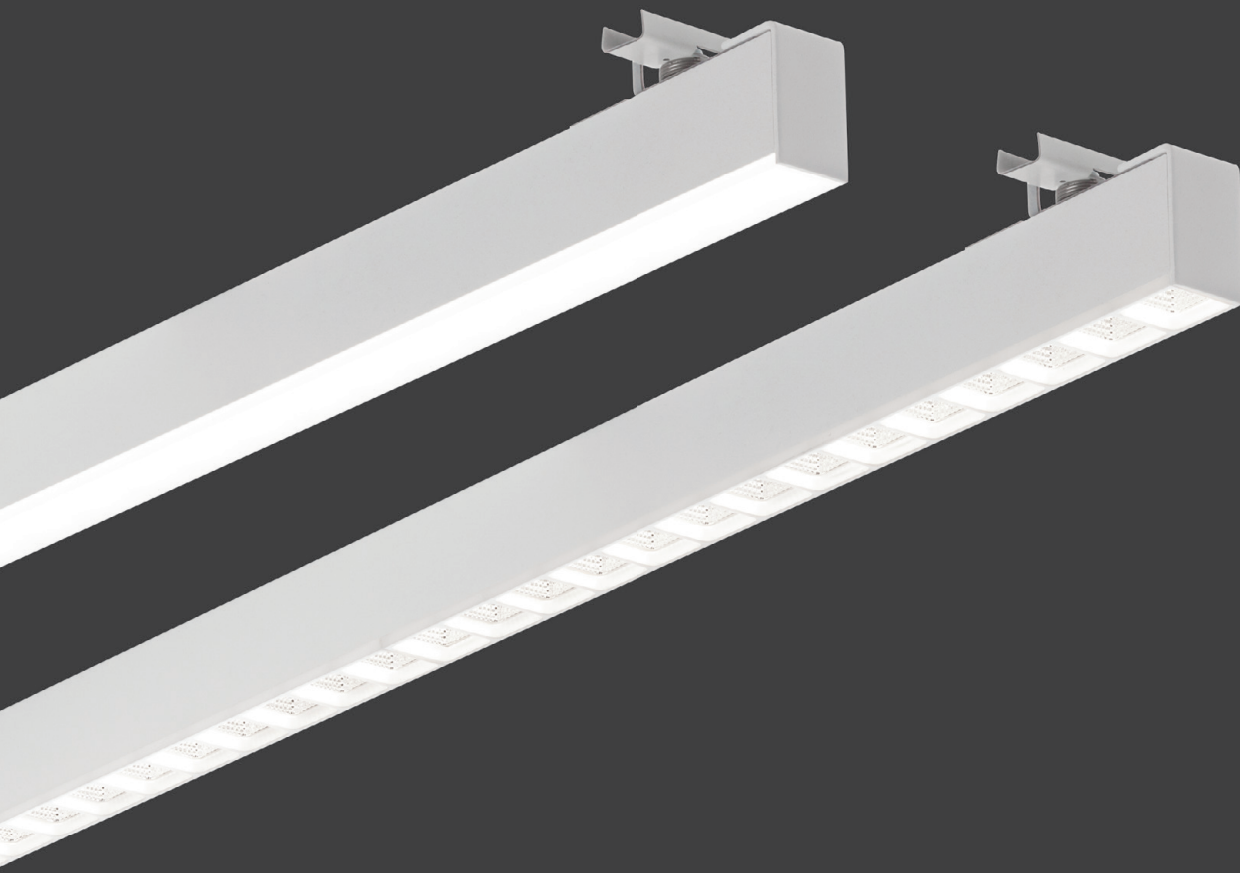


RECESSED LUMINAIRES





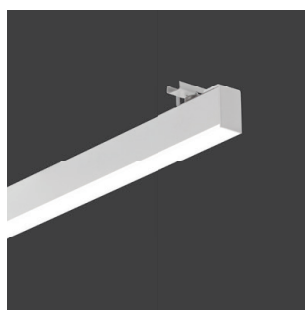
REKTA 20



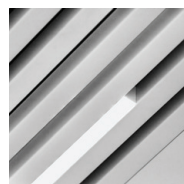
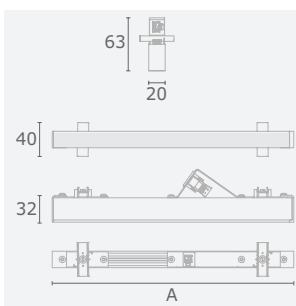
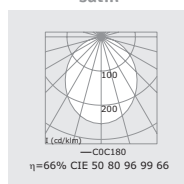
REKTA 20

direct lighting

230V
50Hz IP20 A CE -PS



satin



75mA

| code | A | watt excl. driver | gross lumen | dim | emergency |
|------------------|------|----------------------|----------------|-----|-----------|
| 07.420t011y-zzzz | 283 | 3,0 | 575 | - | - |
| 07.420t012y-zzzz | 563 | 6,0 | 1150 | - | - |
| 07.420t013y-zzzz | 843 | 9,0 | 1725 | - | - |
| 07.420t014y-zzzz | 1123 | 12,0 | 2300 | - | - |
| 07.420t015y-zzzz | 1403 | 15,0 | 2875 | - | - |
| 07.420t016y-zzzz | 1683 | 18,0 | 3450 | - | - |
| 07.420t111y-zzzz | 283 | 3,0 | 575 | - | EM |
| 07.420t112y-zzzz | 563 | 6,0 | 1150 | - | EM |
| 07.420t113y-zzzz | 843 | 9,0 | 1725 | - | EM |
| 07.420t114y-zzzz | 1123 | 12,0 | 2300 | - | EM |
| 07.420t115y-zzzz | 1403 | 15,0 | 2875 | - | EM |
| 07.420t116y-zzzz | 1683 | 18,0 | 3450 | - | EM |
| 07.420t411y-zzzz | 283 | 3,0 | 575 | dim | - |
| 07.420t412y-zzzz | 563 | 6,0 | 1150 | dim | - |
| 07.420t413y-zzzz | 843 | 9,0 | 1725 | dim | - |
| 07.420t414y-zzzz | 1123 | 12,0 | 2300 | dim | - |
| 07.420t415y-zzzz | 1403 | 15,0 | 2875 | dim | - |
| 07.420t416y-zzzz | 1683 | 18,0 | 3450 | dim | - |
| 07.420t511y-zzzz | 283 | 3,0 | 575 | dim | EM DALI |
| 07.420t512y-zzzz | 563 | 6,0 | 1150 | dim | EM DALI |
| 07.420t513y-zzzz | 843 | 9,0 | 1725 | dim | EM DALI |
| 07.420t514y-zzzz | 1123 | 12,0 | 2300 | dim | EM DALI |
| 07.420t515y-zzzz | 1403 | 15,0 | 2875 | dim | EM DALI |
| 07.420t516y-zzzz | 1683 | 18,0 | 3450 | dim | EM DALI |
| 07.420t711y-zzzz | 283 | 3,0 | 575 | dim | EM |
| 07.420t712y-zzzz | 563 | 6,0 | 1150 | dim | EM |
| 07.420t713y-zzzz | 843 | 9,0 | 1725 | dim | EM |
| 07.420t714y-zzzz | 1123 | 12,0 | 2300 | dim | EM |
| 07.420t715y-zzzz | 1403 | 15,0 | 2875 | dim | EM |
| 07.420t716y-zzzz | 1683 | 18,0 | 3450 | dim | EM |



attention the above article numbers are EXCLUSIVE driver sets and cable sets.
See pages 161-162 for these components

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

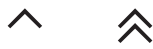
9999= any RAL colour

info



dimnable version DALI/TD



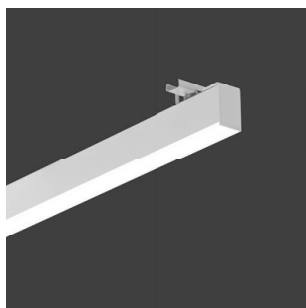




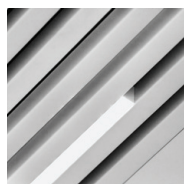
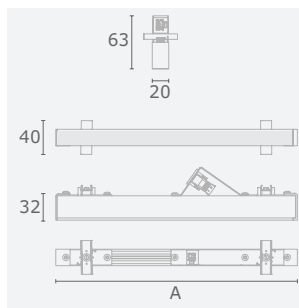
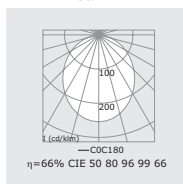
REKTA 20

direct lighting

230V
50Hz IP20 A CE -PS



satin



100mA

| code | A | watt excl. driver | gross lumen | dim | emergency |
|------------------|------|----------------------|----------------|-----|-----------|
| 07.420t021y-zzzz | 283 | 4,0 | 755 | - | - |
| 07.420t022y-zzzz | 563 | 8,0 | 1510 | - | - |
| 07.420t023y-zzzz | 843 | 12,0 | 2265 | - | - |
| 07.420t024y-zzzz | 1123 | 16,0 | 3020 | - | - |
| 07.420t025y-zzzz | 1403 | 20,0 | 3775 | - | - |
| 07.420t026y-zzzz | 1683 | 24,0 | 4530 | - | - |
| 07.420t121y-zzzz | 283 | 4,0 | 755 | - | EM |
| 07.420t122y-zzzz | 563 | 8,0 | 1510 | - | EM |
| 07.420t123y-zzzz | 843 | 12,0 | 2265 | - | EM |
| 07.420t124y-zzzz | 1123 | 16,0 | 3020 | - | EM |
| 07.420t125y-zzzz | 1403 | 20,0 | 3775 | - | EM |
| 07.420t126y-zzzz | 1683 | 24,0 | 4530 | - | EM |
| 07.420t421y-zzzz | 283 | 4,0 | 755 | dim | - |
| 07.420t422y-zzzz | 563 | 8,0 | 1510 | dim | - |
| 07.420t423y-zzzz | 843 | 12,0 | 2265 | dim | - |
| 07.420t424y-zzzz | 1123 | 16,0 | 3020 | dim | - |
| 07.420t425y-zzzz | 1403 | 20,0 | 3775 | dim | - |
| 07.420t426y-zzzz | 1683 | 24,0 | 4530 | dim | - |
| 07.420t521y-zzzz | 283 | 4,0 | 755 | dim | EM DALI |
| 07.420t522y-zzzz | 563 | 8,0 | 1510 | dim | EM DALI |
| 07.420t523y-zzzz | 843 | 12,0 | 2265 | dim | EM DALI |
| 07.420t524y-zzzz | 1123 | 16,0 | 3020 | dim | EM DALI |
| 07.420t525y-zzzz | 1403 | 20,0 | 3775 | dim | EM DALI |
| 07.420t526y-zzzz | 1683 | 24,0 | 4530 | dim | EM DALI |
| 07.420t721y-zzzz | 283 | 4,0 | 755 | dim | EM |
| 07.420t722y-zzzz | 563 | 8,0 | 1510 | dim | EM |
| 07.420t723y-zzzz | 843 | 12,0 | 2265 | dim | EM |
| 07.420t724y-zzzz | 1123 | 16,0 | 3020 | dim | EM |
| 07.420t725y-zzzz | 1403 | 20,0 | 3775 | dim | EM |
| 07.420t726y-zzzz | 1683 | 24,0 | 4530 | dim | EM |



attention the above article numbers are EXCLUSIVE driver sets and cable sets.
See pages 161-162 for these components

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

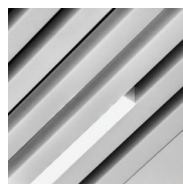
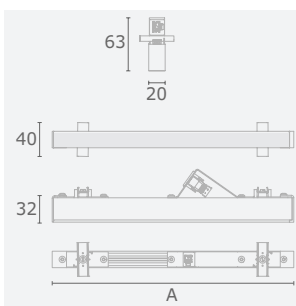
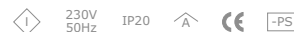
9999= any RAL colour

info



dimmable version DALI/TD

^ ^^



| code | A | watt excl. driver | gross lumen | dim | emergency |
|------------------|------|----------------------|----------------|-----|-----------|
| 07.420t031y-zzzz | 283 | 5,0 | 930 | - | - |
| 07.420t032y-zzzz | 563 | 10,0 | 1860 | - | - |
| 07.420t033y-zzzz | 843 | 15,0 | 2790 | - | - |
| 07.420t034y-zzzz | 1123 | 20,0 | 3720 | - | - |
| 07.420t035y-zzzz | 1403 | 25,0 | 4650 | - | - |
| 07.420t036y-zzzz | 1683 | 30,0 | 5580 | - | - |
| 07.420t131y-zzzz | 283 | 5,0 | 930 | - | EM |
| 07.420t132y-zzzz | 563 | 10,0 | 1860 | - | EM |
| 07.420t133y-zzzz | 843 | 15,0 | 2790 | - | EM |
| 07.420t134y-zzzz | 1123 | 20,0 | 3720 | - | EM |
| 07.420t135y-zzzz | 1403 | 25,0 | 4650 | - | EM |
| 07.420t136y-zzzz | 1683 | 30,0 | 5580 | - | EM |
| 07.420t431y-zzzz | 283 | 5,0 | 930 | dim | - |
| 07.420t432y-zzzz | 563 | 10,0 | 1860 | dim | - |
| 07.420t433y-zzzz | 843 | 15,0 | 2790 | dim | - |
| 07.420t434y-zzzz | 1123 | 20,0 | 3720 | dim | - |
| 07.420t435y-zzzz | 1403 | 25,0 | 4650 | dim | - |
| 07.420t436y-zzzz | 1683 | 30,0 | 5580 | dim | - |
| 07.420t531y-zzzz | 283 | 5,0 | 930 | dim | EM DALI |
| 07.420t532y-zzzz | 563 | 10,0 | 1860 | dim | EM DALI |
| 07.420t533y-zzzz | 843 | 15,0 | 2790 | dim | EM DALI |
| 07.420t534y-zzzz | 1123 | 20,0 | 3720 | dim | EM DALI |
| 07.420t535y-zzzz | 1403 | 25,0 | 4650 | dim | EM DALI |
| 07.420t536y-zzzz | 1683 | 30,0 | 5580 | dim | EM DALI |
| 07.420t731y-zzzz | 283 | 5,0 | 930 | dim | EM |
| 07.420t732y-zzzz | 563 | 10,0 | 1860 | dim | EM |
| 07.420t733y-zzzz | 843 | 15,0 | 2790 | dim | EM |
| 07.420t734y-zzzz | 1123 | 20,0 | 3720 | dim | EM |
| 07.420t735y-zzzz | 1403 | 25,0 | 4650 | dim | EM |
| 07.420t736y-zzzz | 1683 | 30,0 | 5580 | dim | EM |

!

t= diffusers

y= colour temperature

zzzz= colour

info

dimvable version DALI/TD





REKTA 20

direct lighting

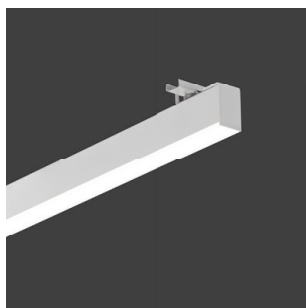
230V
50Hz

IP20

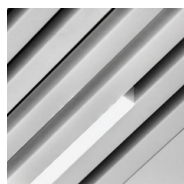
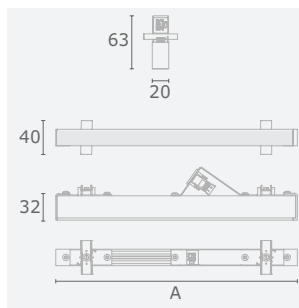
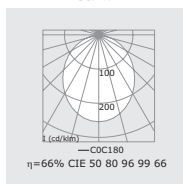
A

CE

-PS



satin



150mA

| code | A | watt excl. driver | gross lumen | dim | emergency |
|------------------|------|----------------------|----------------|-----|-----------|
| 07.420t041y-zzzz | 283 | 6,0 | 1100 | - | - |
| 07.420t042y-zzzz | 563 | 12,0 | 2200 | - | - |
| 07.420t043y-zzzz | 843 | 18,0 | 3300 | - | - |
| 07.420t044y-zzzz | 1123 | 24,0 | 4400 | - | - |
| 07.420t045y-zzzz | 1403 | 30,0 | 5500 | - | - |
| 07.420t046y-zzzz | 1683 | 36,0 | 6600 | - | - |
| 07.420t141y-zzzz | 283 | 6,0 | 1100 | - | EM |
| 07.420t142y-zzzz | 563 | 12,0 | 2200 | - | EM |
| 07.420t143y-zzzz | 843 | 18,0 | 3300 | - | EM |
| 07.420t144y-zzzz | 1123 | 24,0 | 4400 | - | EM |
| 07.420t145y-zzzz | 1403 | 30,0 | 5500 | - | EM |
| 07.420t146y-zzzz | 1683 | 36,0 | 6600 | - | EM |
| 07.420t441y-zzzz | 283 | 6,0 | 1100 | dim | - |
| 07.420t442y-zzzz | 563 | 12,0 | 2200 | dim | - |
| 07.420t443y-zzzz | 843 | 18,0 | 3300 | dim | - |
| 07.420t444y-zzzz | 1123 | 24,0 | 4400 | dim | - |
| 07.420t445y-zzzz | 1403 | 30,0 | 5500 | dim | - |
| 07.420t446y-zzzz | 1683 | 36,0 | 6600 | dim | - |
| 07.420t541y-zzzz | 283 | 6,0 | 1100 | dim | EM DALI |
| 07.420t542y-zzzz | 563 | 12,0 | 2200 | dim | EM DALI |
| 07.420t543y-zzzz | 843 | 18,0 | 3300 | dim | EM DALI |
| 07.420t544y-zzzz | 1123 | 24,0 | 4400 | dim | EM DALI |
| 07.420t545y-zzzz | 1403 | 30,0 | 5500 | dim | EM DALI |
| 07.420t546y-zzzz | 1683 | 36,0 | 6600 | dim | EM DALI |
| 07.420t741y-zzzz | 283 | 6,0 | 1100 | dim | EM |
| 07.420t742y-zzzz | 563 | 12,0 | 2200 | dim | EM |
| 07.420t743y-zzzz | 843 | 18,0 | 3300 | dim | EM |
| 07.420t744y-zzzz | 1123 | 24,0 | 4400 | dim | EM |
| 07.420t745y-zzzz | 1403 | 30,0 | 5500 | dim | EM |
| 07.420t746y-zzzz | 1683 | 36,0 | 6600 | dim | EM |



attention the above article numbers are EXCLUSIVE driver sets and cable sets.
See pages 161-162 for these components

t= diffusers

0= satin diffuser

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimmable version DALI/TD



REKTA 20

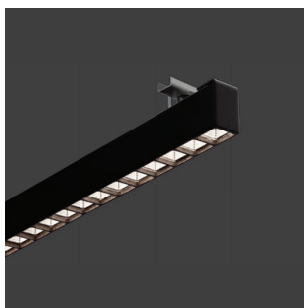
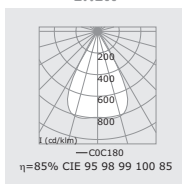
direct lighting

230V
50Hz IP20 A CE -PS

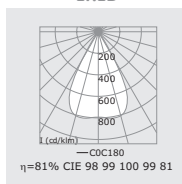
UGR
≤19



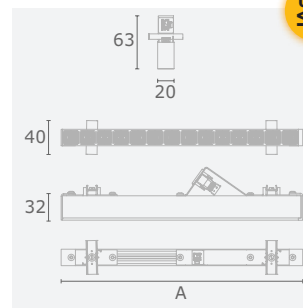
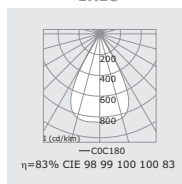
LRLW



LRLB



LRLC



75mA

| code | A | watt excl. driver | gross lumen | dim | emergency |
|------------------|------|----------------------|----------------|-----|-----------|
| 07.420t011y-zzzz | 283 | 3,0 | 575 | - | - |
| 07.420t012y-zzzz | 563 | 6,0 | 1150 | - | - |
| 07.420t013y-zzzz | 843 | 9,0 | 1725 | - | - |
| 07.420t014y-zzzz | 1123 | 12,0 | 2300 | - | - |
| 07.420t015y-zzzz | 1403 | 15,0 | 2875 | - | - |
| 07.420t016y-zzzz | 1683 | 18,0 | 3450 | - | - |
| 07.420t111y-zzzz | 283 | 3,0 | 575 | - | EM |
| 07.420t112y-zzzz | 563 | 6,0 | 1150 | - | EM |
| 07.420t113y-zzzz | 843 | 9,0 | 1725 | - | EM |
| 07.420t114y-zzzz | 1123 | 12,0 | 2300 | - | EM |
| 07.420t115y-zzzz | 1403 | 15,0 | 2875 | - | EM |
| 07.420t116y-zzzz | 1683 | 18,0 | 3450 | - | EM |
| 07.420t411y-zzzz | 283 | 3,0 | 575 | dim | - |
| 07.420t412y-zzzz | 563 | 6,0 | 1150 | dim | - |
| 07.420t413y-zzzz | 843 | 9,0 | 1725 | dim | - |
| 07.420t414y-zzzz | 1123 | 12,0 | 2300 | dim | - |
| 07.420t415y-zzzz | 1403 | 15,0 | 2875 | dim | - |
| 07.420t416y-zzzz | 1683 | 18,0 | 3450 | dim | - |
| 07.420t511y-zzzz | 283 | 3,0 | 575 | dim | EM DALI |
| 07.420t512y-zzzz | 563 | 6,0 | 1150 | dim | EM DALI |
| 07.420t513y-zzzz | 843 | 9,0 | 1725 | dim | EM DALI |
| 07.420t514y-zzzz | 1123 | 12,0 | 2300 | dim | EM DALI |
| 07.420t515y-zzzz | 1403 | 15,0 | 2875 | dim | EM DALI |
| 07.420t516y-zzzz | 1683 | 18,0 | 3450 | dim | EM DALI |
| 07.420t711y-zzzz | 283 | 3,0 | 575 | dim | EM |
| 07.420t712y-zzzz | 563 | 6,0 | 1150 | dim | EM |
| 07.420t713y-zzzz | 843 | 9,0 | 1725 | dim | EM |
| 07.420t714y-zzzz | 1123 | 12,0 | 2300 | dim | EM |
| 07.420t715y-zzzz | 1403 | 15,0 | 2875 | dim | EM |
| 07.420t716y-zzzz | 1683 | 18,0 | 3450 | dim | EM |



attention the above article numbers are EXCLUSIVE driver sets and cable sets.
See pages 161-162 for these components

t= diffusers

4= LRLW
5= LRLB
6= LRLC

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimmable version DALI/TD
In case the 150mA current setting is combined with
a white louvre (LRLW), the UGR is 15,8/19,4 (at 4H/8H)







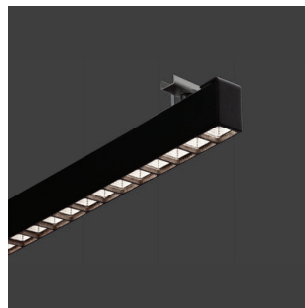
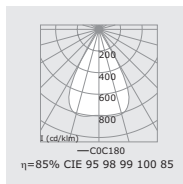
REKTA 20 direct lighting

230V
50Hz IP20 A CE -PS

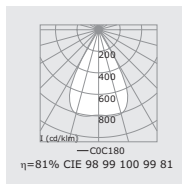
UGR
≤19



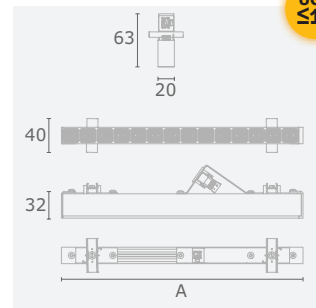
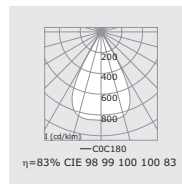
LRLW



LRLB



LRLC



100mA

| code | A | watt excl. driver | gross lumen | dim | emergency |
|------------------|------|----------------------|----------------|-----|-----------|
| 07.420t021y-zzzz | 283 | 4,0 | 755 | - | - |
| 07.420t022y-zzzz | 563 | 8,0 | 1510 | - | - |
| 07.420t023y-zzzz | 843 | 12,0 | 2265 | - | - |
| 07.420t024y-zzzz | 1123 | 16,0 | 3020 | - | - |
| 07.420t025y-zzzz | 1403 | 20,0 | 3775 | - | - |
| 07.420t026y-zzzz | 1683 | 24,0 | 4530 | - | - |
| 07.420t121y-zzzz | 283 | 4,0 | 755 | - | EM |
| 07.420t122y-zzzz | 563 | 8,0 | 1510 | - | EM |
| 07.420t123y-zzzz | 843 | 12,0 | 2265 | - | EM |
| 07.420t124y-zzzz | 1123 | 16,0 | 3020 | - | EM |
| 07.420t125y-zzzz | 1403 | 20,0 | 3775 | - | EM |
| 07.420t126y-zzzz | 1683 | 24,0 | 4530 | - | EM |
| 07.420t421y-zzzz | 283 | 4,0 | 755 | dim | - |
| 07.420t422y-zzzz | 563 | 8,0 | 1510 | dim | - |
| 07.420t423y-zzzz | 843 | 12,0 | 2265 | dim | - |
| 07.420t424y-zzzz | 1123 | 16,0 | 3020 | dim | - |
| 07.420t425y-zzzz | 1403 | 20,0 | 3775 | dim | - |
| 07.420t426y-zzzz | 1683 | 24,0 | 4530 | dim | - |
| 07.420t521y-zzzz | 283 | 4,0 | 755 | dim | EM DALI |
| 07.420t522y-zzzz | 563 | 8,0 | 1510 | dim | EM DALI |
| 07.420t523y-zzzz | 843 | 12,0 | 2265 | dim | EM DALI |
| 07.420t524y-zzzz | 1123 | 16,0 | 3020 | dim | EM DALI |
| 07.420t525y-zzzz | 1403 | 20,0 | 3775 | dim | EM DALI |
| 07.420t526y-zzzz | 1683 | 24,0 | 4530 | dim | EM DALI |
| 07.420t721y-zzzz | 283 | 4,0 | 755 | dim | EM |
| 07.420t722y-zzzz | 563 | 8,0 | 1510 | dim | EM |
| 07.420t723y-zzzz | 843 | 12,0 | 2265 | dim | EM |
| 07.420t724y-zzzz | 1123 | 16,0 | 3020 | dim | EM |
| 07.420t725y-zzzz | 1403 | 20,0 | 3775 | dim | EM |
| 07.420t726y-zzzz | 1683 | 24,0 | 4530 | dim | EM |



attention the above article numbers are EXCLUSIVE driver sets and cable sets.
See pages 161-162 for these components

t= diffusers

4= LRLW
5= LRLB
6= LRLC

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimable version DALI/TD
In case the 150mA current setting is combined with
a white louvre (LRLW), the UGR is 15,8/19,4 (at 4H/8H)



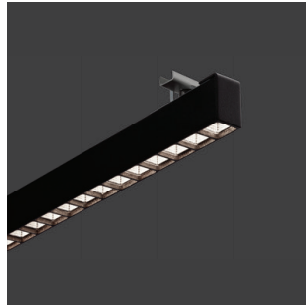
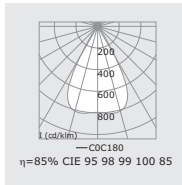
REKTA 20 direct lighting

230V
50Hz IP20 A CE -PS

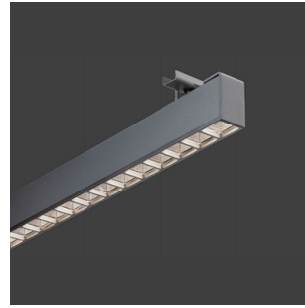
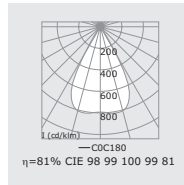
UGR
≤19



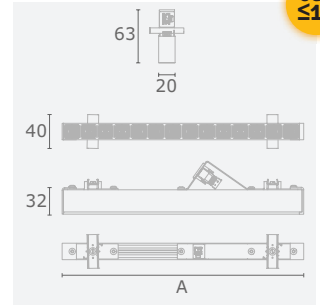
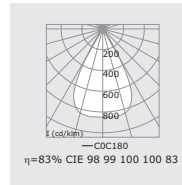
LRLW



LRLB



LRLC



125mA

| code | A | watt excl. driver | gross lumen | dim | emergency |
|------------------|------|----------------------|----------------|-----|-----------|
| 07.420t031y-zzzz | 283 | 5,0 | 930 | - | - |
| 07.420t032y-zzzz | 563 | 10,0 | 1860 | - | - |
| 07.420t033y-zzzz | 843 | 15,0 | 2790 | - | - |
| 07.420t034y-zzzz | 1123 | 20,0 | 3720 | - | - |
| 07.420t035y-zzzz | 1403 | 25,0 | 4650 | - | - |
| 07.420t036y-zzzz | 1683 | 30,0 | 5580 | - | - |
| 07.420t131y-zzzz | 283 | 5,0 | 930 | - | EM |
| 07.420t132y-zzzz | 563 | 10,0 | 1860 | - | EM |
| 07.420t133y-zzzz | 843 | 15,0 | 2790 | - | EM |
| 07.420t134y-zzzz | 1123 | 20,0 | 3720 | - | EM |
| 07.420t135y-zzzz | 1403 | 25,0 | 4650 | - | EM |
| 07.420t136y-zzzz | 1683 | 30,0 | 5580 | - | EM |
| 07.420t431y-zzzz | 283 | 5,0 | 930 | dim | - |
| 07.420t432y-zzzz | 563 | 10,0 | 1860 | dim | - |
| 07.420t433y-zzzz | 843 | 15,0 | 2790 | dim | - |
| 07.420t434y-zzzz | 1123 | 20,0 | 3720 | dim | - |
| 07.420t435y-zzzz | 1403 | 25,0 | 4650 | dim | - |
| 07.420t436y-zzzz | 1683 | 30,0 | 5580 | dim | - |
| 07.420t531y-zzzz | 283 | 5,0 | 930 | dim | EM DALI |
| 07.420t532y-zzzz | 563 | 10,0 | 1860 | dim | EM DALI |
| 07.420t533y-zzzz | 843 | 15,0 | 2790 | dim | EM DALI |
| 07.420t534y-zzzz | 1123 | 20,0 | 3720 | dim | EM DALI |
| 07.420t535y-zzzz | 1403 | 25,0 | 4650 | dim | EM DALI |
| 07.420t536y-zzzz | 1683 | 30,0 | 5580 | dim | EM DALI |
| 07.420t731y-zzzz | 283 | 5,0 | 930 | dim | EM |
| 07.420t732y-zzzz | 563 | 10,0 | 1860 | dim | EM |
| 07.420t733y-zzzz | 843 | 15,0 | 2790 | dim | EM |
| 07.420t734y-zzzz | 1123 | 20,0 | 3720 | dim | EM |
| 07.420t735y-zzzz | 1403 | 25,0 | 4650 | dim | EM |
| 07.420t736y-zzzz | 1683 | 30,0 | 5580 | dim | EM |



attention the above article numbers are EXCLUSIVE driver sets and cable sets.
See pages 161-162 for these components

t= diffusers

4= LRLW
5= LRLB
6= LRLC

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimable version DALI/TD
In case the 150mA current setting is combined with
a white louvre (LRLW), the UGR is 15,8/19,4 (at 4H/8H)



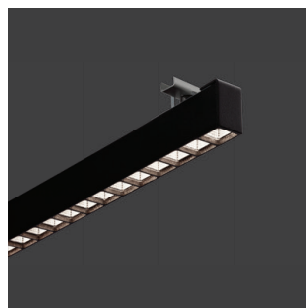
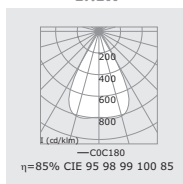
REKTA 20 direct lighting

230V
50Hz IP20 A CE -PS

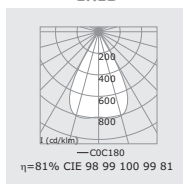
UGR
≤19



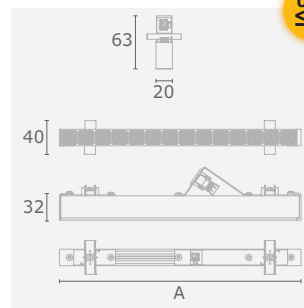
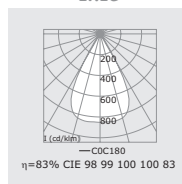
LRLW



LRLB



LRLC



150mA

| code | A | watt excl. driver | gross lumen | dim | emergency |
|------------------|------|----------------------|----------------|-----|-----------|
| 07.420t041y-zzzz | 283 | 6,0 | 1100 | - | - |
| 07.420t042y-zzzz | 563 | 12,0 | 2200 | - | - |
| 07.420t043y-zzzz | 843 | 18,0 | 3300 | - | - |
| 07.420t044y-zzzz | 1123 | 24,0 | 4400 | - | - |
| 07.420t045y-zzzz | 1403 | 30,0 | 5500 | - | - |
| 07.420t046y-zzzz | 1683 | 36,0 | 6600 | - | - |
| 07.420t141y-zzzz | 283 | 6,0 | 1100 | - | EM |
| 07.420t142y-zzzz | 563 | 12,0 | 2200 | - | EM |
| 07.420t143y-zzzz | 843 | 18,0 | 3300 | - | EM |
| 07.420t144y-zzzz | 1123 | 24,0 | 4400 | - | EM |
| 07.420t145y-zzzz | 1403 | 30,0 | 5500 | - | EM |
| 07.420t146y-zzzz | 1683 | 36,0 | 6600 | - | EM |
| 07.420t441y-zzzz | 283 | 6,0 | 1100 | dim | - |
| 07.420t442y-zzzz | 563 | 12,0 | 2200 | dim | - |
| 07.420t443y-zzzz | 843 | 18,0 | 3300 | dim | - |
| 07.420t444y-zzzz | 1123 | 24,0 | 4400 | dim | - |
| 07.420t445y-zzzz | 1403 | 30,0 | 5500 | dim | - |
| 07.420t446y-zzzz | 1683 | 36,0 | 6600 | dim | - |
| 07.420t541y-zzzz | 283 | 6,0 | 1100 | dim | EM DALI |
| 07.420t542y-zzzz | 563 | 12,0 | 2200 | dim | EM DALI |
| 07.420t543y-zzzz | 843 | 18,0 | 3300 | dim | EM DALI |
| 07.420t544y-zzzz | 1123 | 24,0 | 4400 | dim | EM DALI |
| 07.420t545y-zzzz | 1403 | 30,0 | 5500 | dim | EM DALI |
| 07.420t546y-zzzz | 1683 | 36,0 | 6600 | dim | EM DALI |
| 07.420t741y-zzzz | 283 | 6,0 | 1100 | dim | EM |
| 07.420t742y-zzzz | 563 | 12,0 | 2200 | dim | EM |
| 07.420t743y-zzzz | 843 | 18,0 | 3300 | dim | EM |
| 07.420t744y-zzzz | 1123 | 24,0 | 4400 | dim | EM |
| 07.420t745y-zzzz | 1403 | 30,0 | 5500 | dim | EM |
| 07.420t746y-zzzz | 1683 | 36,0 | 6600 | dim | EM |



attention the above article numbers are EXCLUSIVE driver sets and cable sets.
See pages 161-162 for these components

t= diffusers

4= LRLW
5= LRLB
6= LRLC

y= colour temperature

3= 3000K
4= 4000K
2700K on request

zzzz= colour

9999= any RAL colour

info



dimable version DALI/TD
In case the 150mA current setting is combined with
a white louvre (LRLW), the UGR is 15,8/19,4 (at 4H/8H)



DRIVER SETS

75mA

| # luminaires | length (mm) | code | total mA | watt |
|--------------|-------------|--------------------------|----------|------|
| 1 | 563 | 27.4210150 - lm10 | 150 | 10 |
| 1 | 843 | 27.4210225 - lm10 | 225 | 10 |
| 1 | 1123 | 27.4210300 - lm17 | 300 | 17 |
| 1 | 1403 | 27.4210375 - lm17 | 375 | 17 |
| 1 | 1683 | 27.4210450 - lm25 | 450 | 25 |
| 2 | 283 | 27.4220150 - lm10 | 150 | 10 |
| 2 | 563 | 27.4220300 - lm17 | 300 | 17 |
| 2 | 843 | 27.4220450 - lm25 | 450 | 25 |
| 2 | 1123 | 27.4220600 - lm25 | 600 | 25 |
| 2 | 1403 | 27.4220750 - lm45 | 750 | 45 |
| 2 | 1683 | 27.4220900 - lm45 | 900 | 45 |
| 3 | 283 | 27.4230225 - lm10 | 225 | 10 |
| 3 | 563 | 27.4230450 - lm25 | 450 | 25 |
| 3 | 843 | 27.4230675 - lm45 | 675 | 45 |
| 3 | 1123 | 27.4230900 - lm45 | 900 | 45 |
| 3 | 1403 | 27.4231125 - lm60 | 1125 | 60 |
| 3 | 1683 | 27.4231350 - lm60 | 1350 | 60 |
| 4 | 283 | 27.4240300 - lm17 | 300 | 17 |
| 4 | 563 | 27.4240600 - lm25 | 600 | 25 |
| 4 | 843 | 27.4240900 - lm45 | 900 | 45 |
| 4 | 1123 | 27.4241200 - lm60 | 1200 | 60 |
| 4 | 1403 | 27.4241500 - lm00 | 1500 | 100 |
| 4 | 1683 | 27.4241800 - lm00 | 1800 | 100 |

100mA

| # luminaires | length (mm) | code | total mA | watt |
|--------------|-------------|--------------------------|----------|------|
| 1 | 563 | 27.4210200 - lm10 | 200 | 10 |
| 1 | 843 | 27.4210300 - lm17 | 300 | 17 |
| 1 | 1123 | 27.4210400 - lm17 | 400 | 17 |
| 1 | 1403 | 27.4210500 - lm25 | 500 | 25 |
| 1 | 1683 | 27.4210600 - lm25 | 600 | 25 |
| 2 | 283 | 27.4220200 - lm10 | 200 | 10 |
| 2 | 563 | 27.4220400 - lm17 | 400 | 17 |
| 2 | 843 | 27.4220600 - lm25 | 600 | 25 |
| 2 | 1123 | 27.4220800 - lm45 | 800 | 45 |
| 2 | 1403 | 27.4221000 - lm45 | 1000 | 45 |
| 2 | 1683 | 27.4221200 - lm60 | 1200 | 60 |
| 3 | 283 | 27.4230300 - lm17 | 300 | 17 |
| 3 | 563 | 27.4230600 - lm25 | 600 | 25 |
| 3 | 843 | 27.4230900 - lm45 | 900 | 45 |
| 3 | 1123 | 27.4231200 - lm60 | 1200 | 60 |
| 3 | 1403 | 27.4231500 - lm00 | 1500 | 100 |
| 3 | 1683 | 27.4231800 - lm00 | 1800 | 100 |
| 4 | 283 | 27.4240400 - lm17 | 400 | 17 |
| 4 | 563 | 27.4240800 - lm45 | 800 | 45 |
| 4 | 843 | 27.4241200 - lm60 | 1200 | 60 |
| 4 | 1123 | 27.4241600 - lm00 | 1600 | 100 |

125mA

| # luminaires | length (mm) | code | total mA | watt |
|--------------|-------------|--------------------------|----------|------|
| 1 | 563 | 27.4210250 - lm17 | 250 | 17 |
| 1 | 843 | 27.4210375 - lm17 | 375 | 17 |
| 1 | 1123 | 27.4210500 - lm25 | 500 | 25 |
| 1 | 1403 | 27.4210625 - lm45 | 625 | 45 |
| 1 | 1683 | 27.4210750 - lm45 | 750 | 45 |
| 2 | 283 | 27.4220250 - lm17 | 250 | 17 |
| 2 | 563 | 27.4220500 - lm25 | 500 | 25 |
| 2 | 843 | 27.4220750 - lm45 | 750 | 45 |
| 2 | 1123 | 27.4221000 - lm45 | 1000 | 45 |
| 2 | 1403 | 27.4221250 - lm60 | 1250 | 60 |
| 2 | 1683 | 27.4221500 - lm00 | 1500 | 100 |
| 3 | 283 | 27.4230375 - lm17 | 375 | 17 |
| 3 | 563 | 27.4230750 - lm45 | 750 | 45 |
| 3 | 843 | 27.4231125 - lm60 | 1125 | 60 |
| 3 | 1123 | 27.4231500 - lm00 | 1500 | 100 |
| 4 | 283 | 27.4240500 - lm25 | 500 | 25 |
| 4 | 563 | 27.4241000 - lm45 | 1000 | 45 |
| 4 | 843 | 27.4241500 - lm00 | 1500 | 100 |

150mA

| # luminaires | length (mm) | code | total mA | watt |
|--------------|-------------|--------------------------|----------|------|
| 1 | 283 | 27.4210150 - lm10 | 150 | 10 |
| 1 | 563 | 27.4210300 - lm17 | 300 | 17 |
| 1 | 843 | 27.4210450 - lm25 | 450 | 25 |
| 1 | 1123 | 27.4210600 - lm25 | 600 | 25 |
| 1 | 1403 | 27.4210750 - lm45 | 750 | 45 |
| 1 | 1683 | 27.4210900 - lm45 | 900 | 45 |
| 2 | 283 | 27.4220300 - lm17 | 300 | 17 |
| 2 | 563 | 27.4220600 - lm25 | 600 | 25 |
| 2 | 843 | 27.4220900 - lm45 | 900 | 45 |
| 2 | 1123 | 27.4221200 - lm60 | 1200 | 60 |
| 2 | 1403 | 27.4221500 - lm00 | 1500 | 100 |
| 2 | 1683 | 27.4221800 - lm00 | 1800 | 100 |
| 3 | 283 | 27.4230450 - lm25 | 450 | 25 |
| 3 | 563 | 27.4230900 - lm45 | 900 | 45 |
| 3 | 843 | 27.4231350 - lm60 | 1350 | 60 |
| 3 | 1123 | 27.4231800 - lm00 | 1800 | 100 |
| 4 | 283 | 27.4240600 - lm25 | 600 | 25 |
| 4 | 563 | 27.4241200 - lm60 | 1200 | 60 |
| 4 | 843 | 27.4241800 - lm00 | 1800 | 100 |

CONNECTION CABLE SETS BETWEEN DEVICE AND DRIVER (WITH FREE END)

| code | type |
|---------------|------------------------------------------------------------------------|
| 23.00290-9010 | white cable 2-pole 0,5m ECA halogen free + female connector |
| 23.00291-9010 | white cable 2-pole 1m ECA halogen free + female connector |
| 23.00292-9010 | white cable 2-pole 2m ECA halogen free + female connector |
| 23.00293-9010 | white cable 2-pole 3m ECA halogen free + female connector |
| 23.00294-9010 | white cable 2-pole 4m ECA halogen free + female connector |
| 23.00295-9010 | white cable 2-pole 5m ECA halogen free + female connector |
| 23.24070-9005 | black cable 2-pole per meter ECA halogen free without female connector |

l= emergency module

0= without EM
1= EM 1H
2= EM 1H DALI

m= control unit

6= non dimmable
8= DALI dimmable

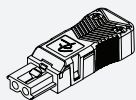
info



emergency module EM 1H DALI only in
combination with DALI dimmable control unit

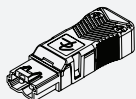


ACCESSORIES



| code | type |
|---------------|-------------------------------------|
| 23.00201-9010 | female connector with strain relief |

the female connector is necessary in combination with the 23.24070-9005 or when the installer uses his own cable between the Rekta 20 luminaire and driver
de vrouwelijke connector is nodig in combinatie met de 23.24070-9005 of wanneer de klant een eigen kabel tussen de Rekta 20 armatuur en driver voorziet
le connecteur femelle est nécessaire en combinaison avec le 23.24070-9005 ou lorsque l'installateur utilise son propre câble entre le luminaire Rekta 20 et le driver
Der weibliche Verbinder wird in Kombination mit der 23.24070-9005 benötigt oder wenn der Installateur sein eigenes Kabel zwischen der Rekta 20 Leuchte und dem Treiber verwendet

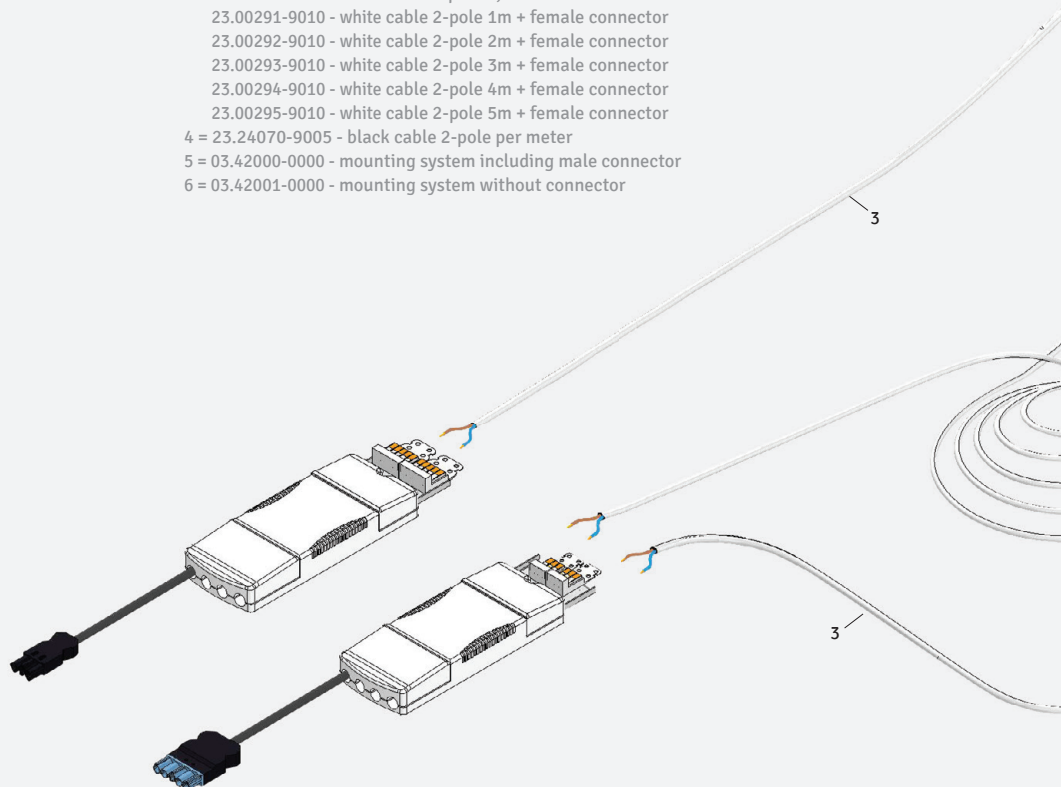


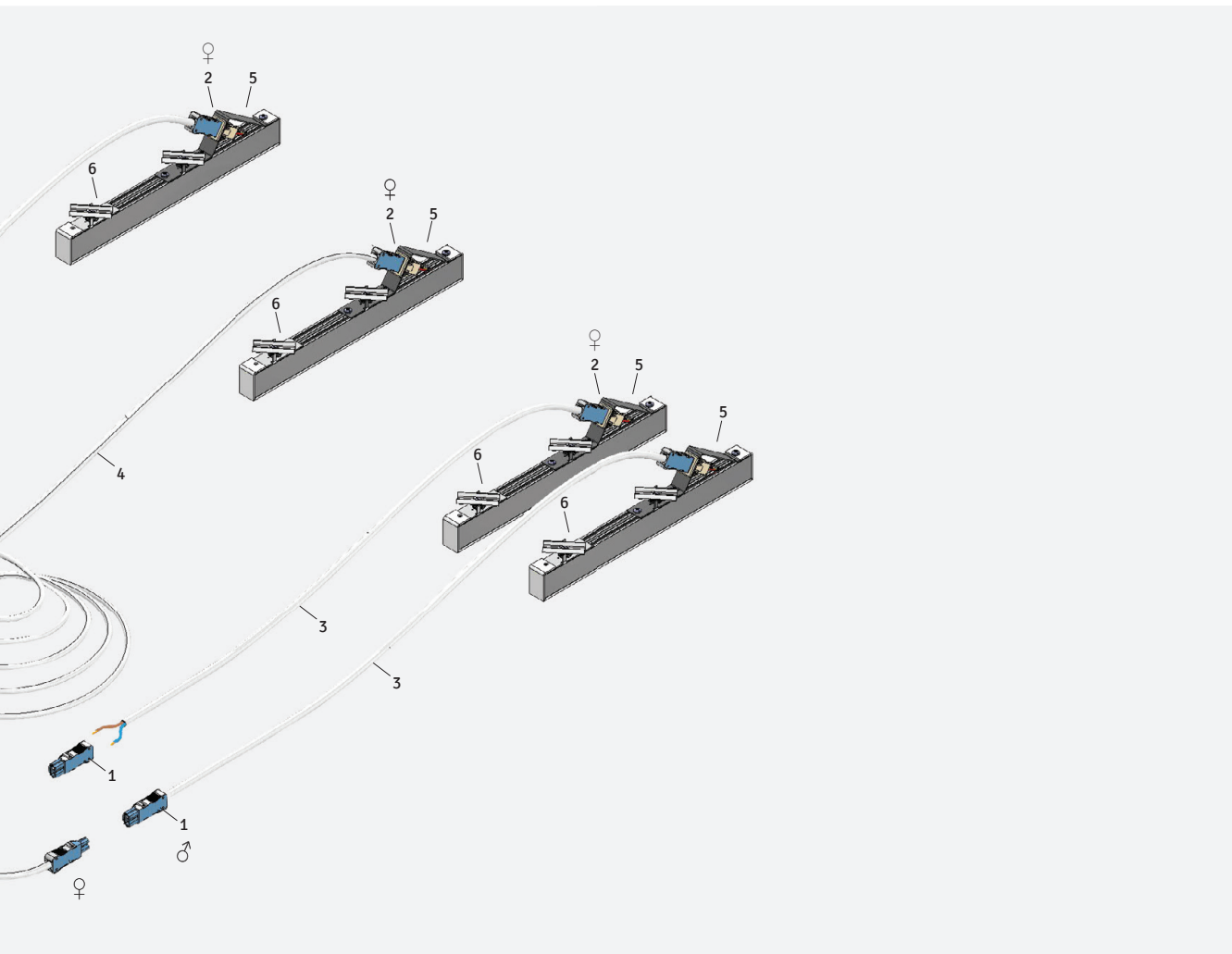
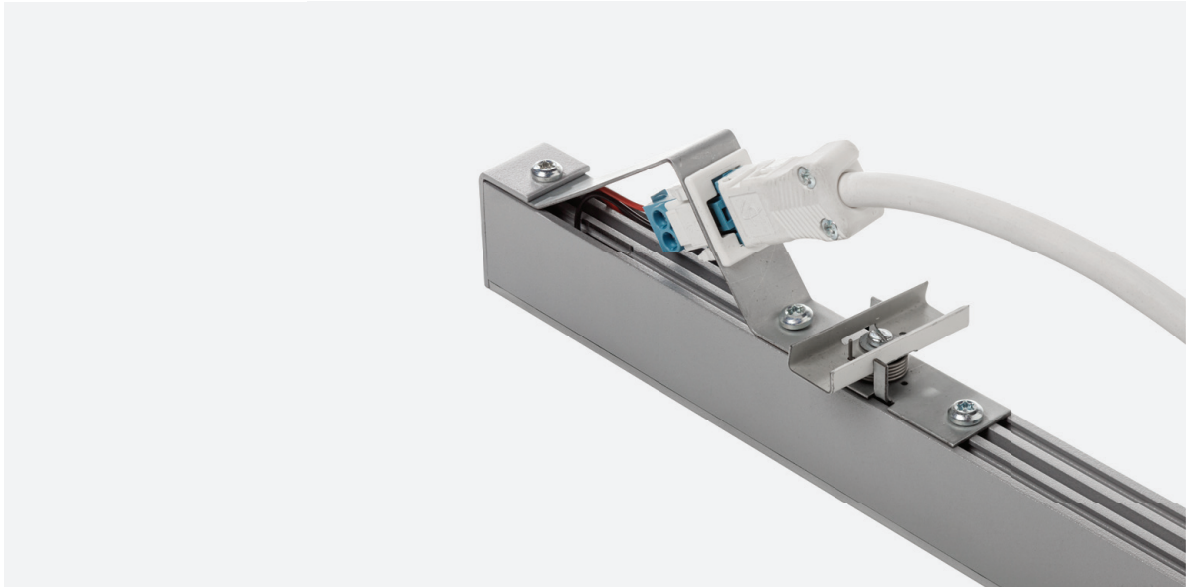
| code | type |
|---------------|-----------------------------------|
| 23.00200-9010 | male connector with strain relief |

the male connector is necessary when 2 cables have to be connected
de mannelijke connector is nodig wanneer 2 kabels met elkaar worden verbonden
le connecteur mâle est nécessaire lorsque 2 câbles doivent être connectés
der männliche Verbinder ist erforderlich, wenn 2 Kabel miteinander verbunden werden

INFO - WIRING DIAGRAM






- 1 = 23.00200-9010 - male connector with strain relief
- 2 = 23.00201-9010 - female connector with strain relief
- 3 = 23.00290-9010 - white cable 2-pole 0,5m + female connector
- 23.00291-9010 - white cable 2-pole 1m + female connector
- 23.00292-9010 - white cable 2-pole 2m + female connector
- 23.00293-9010 - white cable 2-pole 3m + female connector
- 23.00294-9010 - white cable 2-pole 4m + female connector
- 23.00295-9010 - white cable 2-pole 5m + female connector
- 4 = 23.24070-9005 - black cable 2-pole per meter
- 5 = 03.42000-0000 - mounting system including male connector
- 6 = 03.42001-0000 - mounting system without connector







GENERAL

| | | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
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TERMINOLOGY & QUALITY

LIGHTING TERMS

VERLICHTINGSTERMEN

TERMES D'ÉCLAIRAGE

LICHTTECHNISCHE GRUNDBEGRIFFE

As with any technical or scientific discipline, lighting technology has its own terminology. Special terms and concepts are used to define the characteristics of lamps and luminaires and to standardize the units of measurement. The most important of these are described here.

Zoals elke technische of wetenschappelijke discipline, heeft de verlichtingstechnologie haar eigen terminologie. Men gebruikt speciale termen en concepten om de kenmerken van lampen en armaturen te definiëren en de eenheden te standaardiseren. De belangrijkste worden hierna beschreven.

Tout comme pour n'importe quelle discipline technique ou scientifique, la technologie de l'éclairage possède sa propre terminologie. On utilise des termes et concepts spéciaux en vue de définir les caractéristiques des lampes et luminaires et de standardiser les unités de mesure. Les plus importants d'entre eux vous sont proposés ci-dessous.

Wie überall in Technik und Wissenschaft üblich, sind auch der Lichttechnik Begriffe zur Bewertung der Eigenschaften von Lampen und Leuchten festgelegt und entsprechende Masseinheiten standardisiert. Die wichtigsten davon werden hier kurz erläutert.

LIGHT AND RADIATION

LICHT EN STRALING

LUMIÈRE ET RADIATION

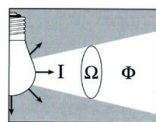
LICHT UND STRAHLUNG

Light is taken to mean the electromagnetic radiation that the human eye perceives as brightness, in other words that part of the spectrum that can be seen. This is the radiation between 360 and 830 nm, a tiny fraction of the known spectrum of electromagnetic radiation.

Men definieert licht als de elektromagnetische straling die het menselijk oog waarneemt, met andere woorden: het zichtbare gedeelte van het spectrum. Dit is de straling tussen 360 en 860 nm, een uiterst kleine fractie van het totale spectrum van de elektromagnetische straling.

La lumière signifie la radiation électromagnétique que perçoit l'œil humain en tant que clarté, en d'autres termes: il s'agit de la part du spectre qui est visible. Il s'agit de la radiation située entre 360 et 860 nm, une infime fraction du spectre de la radiation.

Unter Licht versteht man elektromagnetische Strahlung, die im menschlichen Auge eine Hellempfindung hervorruft. Es handelt sich dabei um die Strahlung zwischen 360 und 830 nm, einen nur winzigen Teil des uns bekannten Spektrums elektromagnetischer Strahlung.



LUMINOUS FLUX F

LICHTSTROOM F

FLUX LUMINEUX F

LICHTSTROM F

Unit of measurement = lumen (lm): all of the radiated power emitted by a light source and perceived by the eye.

Eenheid = lumen (lm): alle stralingsenergie die door een lichtbron wordt afgegeven en die door het oog wordt waargenomen.

Unité = lumen (lm): toute la puissance irradiée émise par une source lumineuse et perçue par l'œil.

Einheit = lumen (lm): die gesamte von der Lichtquelle abgegebene Strahlungsleistung, die mit der spektralen Augenempfindlichkeit bewertet wird.



ILLUMINANCE E

VERLICHTINGSSTERKTE E

ÉCLAIREMENT E

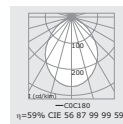
BELEUCHTUNGSSTÄRKE E

Unit of measurement = lux (lx): illuminance E is the relation between the luminous flux and the area to be illuminated. An illuminance of 1lx occurs when a luminous flux of 1lm is evenly distributed over an area of 1m².

Eenheid = lux (lx): de verlichtingssterkte E is de lichtstroom per oppervlakte. Een verlichtingssterkte van 1lx ontstaat wanneer een lichtstroom van 1lm gelijkmatig verdeeld is over een oppervlakte van 1m².

Unité = lux (lx): l'éclairement E est le rapport entre le flux lumineux et la zone devant être illuminée. Un éclairement de 1lx se crée lorsqu'un flux lumineux de 1lx est distribué de façon égale sur une zone de 1m².

Einheit = lux (lx): die Beleuchtungsstärke E gibt das Verhältnis des auffallenden Lichtstroms zur beleuchteten Fläche an. Die Beleuchtungsstärke beträgt 1lx wenn ein Lichtstrom von 1lm auf eine Fläche von 1m² gleichmäßig auftritt.



LUMINOUS INTENSITY I

LICHTSTERKTE I

INTENSITÉ LUMINEUSE I

LICHTSTÄRKE I

Unit of measurement = candela (cd): generally speaking, a light source emits its luminous flux F in different directions and at different intensities. The visible radiant intensity in a particular direction is called luminous intensity I.

Eenheid = candela (cd): algemeen gezien geeft een lichtbron haar lichtstroom F af in verschillende richtingen en met verschillende intensiteit. De zichtbare straling in een bepaalde richting heet lichtsterkte I.

Unité = candela (cd): en gros, une source de lumière émet son flux lumineux F dans différentes directions et à différentes intensités. L'intensité de rayonnement visible dans une direction particulière s'appelle l'intensité lumineuse I.

Einheit = candela (cd): Eine Lichtquelle strahlt ihren Lichtstrom im allgemeinen in verschiedenen Richtungen unterschiedlich stark aus. Die Intensität des in einer bestimmten Richtung abgestrahlten Licht wird als Lichtstärke I bezeichnet.

LUMINOUS EFFICACY H

SPECIFIEKE LICHTSTROOM H

EFFICACITÉ LUMINEUSE H

LICHTAUSBEUTE H

Unit of measurement = lumens per watt (lm/W): luminous efficacy indicates the efficiency with which the electrical power consumed is converted into light.

Eenheid = lumen per watt (lm/W): de specifieke lichtstroom drukt de efficiëntie uit waarmee de elektrische stroom in licht wordt omgezet.

Unité = lumen par watt (lm/W): l'efficacité lumineuse indique l'efficacité avec laquelle la puissance électrique est convertie en lumière.

Einheit = lumen pro watt (lm/W): die Lichtausbeute gibt an, mit welcher Wirtschaftlichkeit die aufgenommene elektrische Leistung in Licht umgesetzt wird.



COLOUR TEMPERATURE KLEURTEMPERATUUR TEMPÉRATURE DE COULEUR FARBTEMPERATUR

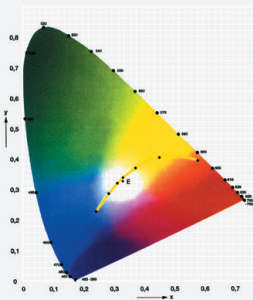
Unit of measurement = Kelvin (K): the colour temperature of a light source is defined in comparison with a black body radiator and plotted on what is known as a Planckian curve. The higher the temperature of this black body radiator, the greater the blue component in the spectrum and the smaller the red component. An incandescent lamp with a warm white light f.i. has a colour temperature of 2700K, whereas a fluorescent lamp can have f.i. a colour temperature of 3000K (warm white), 4000K (cool white), 5400K (daylight) or 6500K (cool daylight).

Einheit = Kelvin (K): de kleurtemperatuur van een lichtbron wordt gedefinieerd in vergelijking met een zwart stralingslichaam en uitgezet op de kromme van Planck. Hoe hoger de temperatuur van het stralingslichaam, hoe groter de blauwe component in het spectrum en hoe kleiner de rode component. Zo heeft een gloeilamp met warm wit licht een kleurtemperatuur van 2700K, terwijl een fluorescentielamp een kleurtemperatuur kan hebben van bijvoorbeeld 3000K (warm wit), 4000K (koel wit), 5400K (daglicht) of 6500K (koel daglicht).

Unité = Kelvin (K): la température de couleur d'une source lumineuse est définie en comparaison avec un corps radiateur noir rapporté sur ce qu'on appelle la courbe de Planck. Plus la température de ce corps radiateur noir est élevée, plus grande la composante bleue du spectre et plus petite la composante rouge. Une lampe à incandescence émettant de la lumière blanche chaude p.e. a une température de couleur de 2700K, tandis qu'une lampe fluorescente peut avoir p.e. une température de couleur de 3000K (blanc chaud), 4000K (blanc froid), 5400K (lumière de jour) ou 6500K (lumière de jour froide).

Einheit = Kelvin (K): die Farbtemperatur einer Lichtquelle wird durch den Vergleich mit dem sog. schwarzen Strahler definiert und im Kurvenzug von Planck dargestellt. Erhöht sich die Temperatur des schwarzen Strahlers, so vergrößert sich im Spektrum der Blau-Anteil und der Rot-Anteil wird geringer. Eine Glühlampe mit warmweißen Licht hat z.B. eine Farbtemperatur von 2700K, eine Leuchtstofflampe kann eine Farbtemperatur haben von z.B. 3000K (warmweiß), 4000K (kalt weiß), 5400K (Tageslicht) oder 6500K (kaltes Tageslicht).

chromaticity diagram DIN5033
kleurkwaliteitsdiagram
diagramme de chromaticité
Normfarbtabel



LUMINAIRE EFFICIENCY ARMATUURRENDEMENT EFFICACITÉ OPTIQUE LEUCHTENBETRIEBSWIRKUNGSGRAD

Luminaire efficiency (also known as light output ratio) is an important criterion in gauging the energy efficiency of a luminaire. This is the ratio between the luminous flux emitted by the luminaire and the luminous flux of the lamp(s) installed in the luminaire.

Armatuurrendement is een belangrijk criterium voor de beoordeling van de energie-efficiëntie van een armatuur. Het is de verhouding tussen de lichtstroom die door de armatuur wordt afgegeven en de lichtstroom van de lamp(en) in de armatuur.

L'efficacité optique est un critère important permettant de juger de l'efficacité d'un luminaire. Il s'agit du rapport entre le flux lumineux émis par le luminaire et le flux lumineux de la lampe (ou des lampes) installée(s) dans le luminaire.

Der Leuchtenbetriebswirkungsgrad ist ein wichtiges Kriterium für die energiewirtschaftliche Einstufung einer Leuchte. Er gibt das Verhältnis des von der Leuchte abgegebenen Lichtstroms zum Lichtstrom der in der Leuchte eingesetzten Lampe(n) wieder.

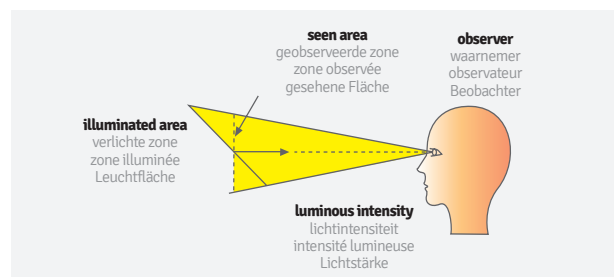
LUMINANCE L LUMINANTIE L LUMINANCE L LEUCHTDICHTE L

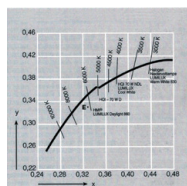
Unit of measurement = candela per square meter (cd/m²): the luminance L of a light source or an illuminated area is a measure of how great an impression of brightness is created in the brain.

Einheit = candela per vierkante meter (cd/m): de luminantie L van een lichtbron of een verlicht oppervlak drukt uit hoe sterk de indruk van helderheid is die het oog waarneemt.

Unité = candela par mètre carré (cd/m): la luminance L d'une source ou une surface illuminée exprime l'impression de clareté observée par l'œil.

Einheit = candela pro Quadratmeter (cd/m): die Leuchtdichte L einer Lichtquelle oder einer beleuchteten Fläche ist maßgebend für den wahrgenommenen Helligkeitseindruck.





LIGHT COLOUR LICHTKLEUR TEINTE DE COULEUR LICHTFARBE

The light colour of a lamp can be neatly defined in terms of colour temperature. There are 3 main categories here: warm white <3300K, intermediate 3300-5000K, daylight >5000K. Despite having the same light colour, lamps may have very different colour rendering properties owing to the spectral composition of their light.

De lichtkleur van een lamp kan nauwkeurig worden gedefinieerd in termen van kleurtemperatuur. Hier bestaan 3 hoofdcategorieën: warm wit <3300K, tussenliggend 3300-5000K, daglicht >5000K. Lampen met dezelfde lichtkleur kunnen als gevolg van het spectrum van hun licht sterk verschillende kleurweergave-eigenschappen hebben.

La teinte de la lumière d'une lampe peut être définie en termes de température de couleur. Il existe 3 grandes catégories: blanc chaud <3300K, intermédiaire 3300-5000K, lumière de jour >5000K. Des lampes avec une teinte de couleur identique, peuvent avoir à cause de leur spectre de lumière des rendus de couleur très différents.

Die Lichtfarbe wird sehr gut durch die Farbtemperatur beschrieben. Hierbei lassen sich 3 Hauptgruppen unterscheiden: warm weiß <3300K, zwischenliegend 3300-5000K, Tageslicht >5000K. Trotz gleicher Lichtfarbe können Lampen auf Grund der spektralen Zusammensetzung ihres Lichts sehr unterschiedliche Farbwiedergabe-Eigenschaften haben.

ELECTRICAL CLASSES ELEKTRISCHE KLASSEN CLASSES ELECTRIQUES ELEKTRISCHE SCHUTZKLASSEN

I
Accessible metal parts are connected to the earth conductor.
toegankelijke metalen onderdelen zijn aan de aarding aangesloten.
les parties métalliques sont connectées au fil de terre.
die berührbare Metalteile sind am Schutzleiter angeschlossen.

III
For luminaires operated on safety extra-low voltage <=50V.
voor toestellen werkend op extra-veilige laagspanning <=50V.
pour des luminaires fonctionnant à basse tension de sécurité <=50V.
für Leuchten mit Betrieb an Schutzkleinspannung ausgelegt <=50V.

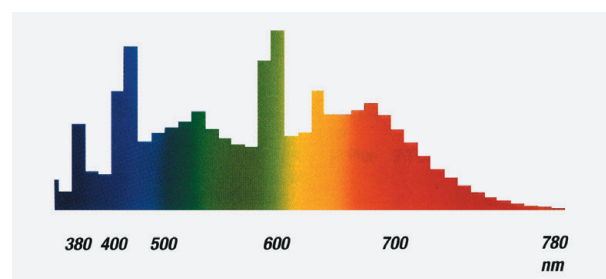
COLOUR RENDERING KLEURWEERGAVE RENDU DES COULEURS FARBWIEDERGABE

As a rule, artificial light should enable the human eye to perceive colours correctly, as it would in natural daylight. Obviously, this depends to some extent on the location and purpose for which the light is required. The criterion here is the colour rendering property of a light source. This is expressed as a "general colour rendering index" Ra. The colour rendering index is a measure of the correspondence between the colour of an object (its self-luminous colour) and its appearance under a reference light source. To determine the Ra value, eight test colours defined in accordance with DIN6169 are illuminated with the reference light source and the light source under test. The smaller the discrepancy, the better the colour rendering property of the lamp being tested. A light source with a Ra value of 100 displays all the colours exactly as they appear under the reference light source. The lower the Ra value, the worse the colours are rendered.

Als regel moet kunstlicht het menselijke oog de mogelijkheid geven om kleuren correct te zien, zoals in het gewone daglicht. Dit hangt uiteraard in zekere mate af van de plaats en het doel waarvoor het licht vereist is. Het criterium is hier de kleurweergave door de lichtbron. Ze wordt uitgedrukt als een "algemene kleurweergave-index" Ra. Deze index meet de overeenkomst tussen de kleur van een object, zoals dat door het oog wordt waargenomen, en die van een referentie-lichtbron. Om de Ra-waarden te bepalen, definieert men acht testkleuren en verlicht men ze met de referentie-lichtbron en de geteste lichtbron. Hoe kleiner de afwijking, hoe beter de kleurweergave van de geteste lamp. Een lichtbron met een Ra-waarde van 100 toont alle kleuren exact zoals ze bij de referentie-lichtbron zichtbaar zijn. Hoe lager de Ra-waarde, hoe slechter de kleuren worden weergegeven.

En règle générale, la lumière artificielle devrait permettre à l'oeil humain de percevoir les couleurs correctement comme il le ferait à la lumière de jour. Il va de soi que cela dépend dans un certain sens du lieu où l'on a besoin de lumière et de l'objectif que l'on poursuit. Ici, le critère est la propriété du rendu des couleurs d'une source de lumière. Il s'exprime par un "indice général de rendu des couleurs" Ra. L'indice du rendu des couleurs est la mesure exprimant la correspondance entre la couleur d'un objet (sa couleur auto-lumineuse) et son aspect sous une source de lumière de référence. Pour déterminer les valeurs Ra, huit couleurs test définies sont illuminées par la source de lumière de référence et la source de lumière testée. Plus la divergence est petite, meilleure est la propriété de rendu des couleurs de la lampe que l'on teste. Une source de lumière dont la valeur Ra est de 100 rend les couleurs exactement de la même façon qu'elles apparaissent sous la source de lumière de référence. Plus la valeur Ra est basse, moins bon est le rendu des couleurs.

Je nach Einsatzort und Sehaufgaben sollte künstliches Licht eine möglichst korrekte Farbwahrnehmung gewährleisten, wie bei natürlichem Tageslicht. Der Maßstab dafür sind die Farbwiedergabe-Eigenschaften einer Lichtquelle, die in Stufen des "allgemeinen Farbwiedergabe-Index" Ra ausgedrückt werden. Der Farbwiedergabe-Index bezeichnet das Maß der Übereinstimmung der Körperfarbe mit ihrem Aussehen unter der jeweiligen Bezugslichtquelle. Zur Bestimmung des Ra-Wertes werden die Farbverschiebungen von acht genormten Testfarben bestimmt, die sich ergeben, wenn die Testfarben mit der zu prüfenden Lichtquelle bzw. mit der Bezugsquelle beleuchtet werden. Je geringer die Abweichung ist, desto besser die Farbwiedergabe-Eigenschaft der geprüften Lampe. Eine Lichtquelle mit Ra 100 zeigt alle Farben wie unter der Bezugslichtquelle optimal. Je niedriger der Ra-Wert ist, umso weniger gut werden die Farben wiedergegeben.





IP PROTECTION RATING

IP BESCHERMINGSGRAAD

DEGRE DE PROTECTION IP

IP SCHUTZKLASSE

The first digit indicates the level of protection against the ingress of solid foreign objects and acces to hazardous parts.

het eerste cijfer geeft de graad van bescherming tegen de indringing van vaste vreemd voorwerpen en tegen aanraking van delen onder spanning.
le premier chiffre indique le degré de protection contre la pénétration des corps solides étrangers et contre le contact de parties sous tension.
die erste Zahl gibt den Schutzgrad an gegen das Eindringen vom Fremdkörpern und gegen Berührung von Teilen unter Spannung.

IP 0X

no protection.

geen bescherming.
pas de protection.
kein Schutz.

IP 1X

protection against entry of solid objects up to Ø50mm.

bescherming tegen indringing van voorwerpen groter dan Ø50mm.
protection contre la pénétration des corps solides supérieurs de Ø50mm.
Schutz gegen Eindringen von festen Fremdkörpern über Ø50mm.

IP 2X

protection against entry of solid objects up to Ø12mm and against contact with fingers.

bescherming tegen indringing van voorwerpen groter dan Ø12mm en aanraking met de vingers.
protection contre la pénétration des corps solides supérieurs de Ø12mm et contre le contact avec les doigts.
Schutz gegen Eindringen von festen Fremdkörpern über Ø12mm und gegen Berührung mit den Fingern.

IP 3X

protection against entry of solid objects up to Ø2,5mm and against contact with tools.

bescherming tegen indringing van voorwerpen groter dan Ø2,5mm en aanraking met gereedschap.
protection contre la pénétration des corps solides supérieurs de Ø2,5mm et contre le contact avec des outils.
Schutz gegen Eindringen von festen Fremdkörpern über Ø2,5mm und gegen Berührung mit Werkzeugen.

IP 4X

protection against entry of solid objects up to Ø1mm and against contact with cables and fine tools.

bescherming tegen indringing van voorwerpen groter dan Ø1mm en aanraking met kabels en fijn gereedschap.
protection contre la pénétration des corps solides supérieurs de Ø1mm et contre le contact avec des fils et des outils fins.
Schutz gegen Eindringen von festen Fremdkörpern über Ø1mm und gegen Berührung mit Drähten und feinen Werkzeugen.

IP 5X

protection against entry of harmful deposit of dust, complete protection against contact.

bescherming tegen indringing van een schadelijke hoeveelheid stof, volledige bescherming tegen aanraking.
protection contre la pénétration de la poussière en quantité nuisible, protection totale contre le contact.
Schutz gegen Eindringen von einer schädlichen Menge Staub, vollkommener Schutz gegen Berührung.

IP 6X

complete protection against dust and contact.

volledige bescherming tegen stof en aanraking.
protection totale contre la poussière et le contact.
vollkommener Schutz gegen Staub und Berührung.

The second digit indicates the level of protection against the harmful ingress of water.

het tweede cijfer geeft de graad van bescherming tegen de schadelijke indringing van water.
le deuxième chiffre indique le degré de protection contre la pénétration nuisible de l'eau.
die zweite Zahl gibt den Schutzgrad an gegen das schädliche Eindringen von Wasser.

IP X0

no protection.

geen bescherming.
pas de protection.
kein Schutz.

IP X1

protection against vertically fallings drops of water (condensation).

bescherming tegen verticaal vallende druppels (condensatie).
protection contre les chutes verticales de gouttes d'eau (condensation).
Schutz gegen senkrecht fallendes Tropfwasser (Kondenz).

IP X2

protection against fallings drops of water at any angle of 15°.

bescherming tegen vallende druppels onder elke hoek van 15°.
protection contre les chutes de gouttes d'eau à chaque angle de 15°.
Schutz gegen fallendes Tropfwasser unter jeden Winkel von 15°.

IP X3

protection against spray of water at any angle of 60°.

bescherming tegen waternevel onder elke hoek van 60°.
protection contre l'eau en pluie jusqu'à chaque angle de 60°.
Schutz gegen Sprühwasser unter jeden Winkel von 60°.

IP X4

protection against water splashing from any direction.

bescherming tegen waterbesproeiing vanuit alle richtingen.
protection contre les projections de l'eau de toutes les directions.
Schutz gegen Spritzwasser aus jeder Richtung.

IP X5

protection against water projected by a nozzle from any direction.

bescherming tegen waterstralen vanuit alle richtingen.
protection contre les jets de l'eau de toutes les directions.
Schutz gegen Strahlwasser aus jeder Richtung.

IP X6

protection against powerful water jets from any direction.

bescherming tegen krachtige waterstralen vanuit alle richtingen.
protection contre les jets de l'eau forts de toutes les directions.
Schutz gegen starkes Strahlwasser aus jeder Richtung.

IP X7

protection against water when immersed not deeper than 1m and not longer than 30 minutes.

bescherming tegen water bij onderdompeling niet dieper dan 1m en niet langer dan 30 minuten.
protection contre l'eau pendant l'immersion moins profond que 1m and moins long que 30 minutes.
Schutz gegen Wasser beim Untertauchen aber nicht tiefer als 1m und nicht länger als 30 Minuten.

IP X8

protection against water during continuous immersion deeper than 1m.

bescherming tegen water bij langdurige onderdompeling dieper dan 1m.
protection contre l'eau pendant l'immersion prolonguée et plus profond que 1m.
Schutz gegen Wasser beim dauernden Untertauchen tiefer als 1m.



Multiline manufactures quality products. In order to assure the highest standards of quality, we insist on a quality ethos which is in evidence at every level of our organization. We owe it to ourselves to incorporate every national and European quality standards into our firm. That goes for the product standard ENEC 60.598 and CE, as well as the ISO 9001 certificate (standard 2008). Not without some pride we tell you the story behind our quality system.

Multiline vervaardigt kwaliteitsproducten. Om de hoogste kwaliteit te waarborgen, heerst een op de spits gedreven kwaliteitsdenken op alle niveaus van onze organisatie. Wij zijn het aan onszelf verplicht alle nationale en Europese kwaliteitsnormen in onze firma te integreren. Dat geldt zowel voor de productnormen ENEC 60.598 en CE als voor het ISO 9001 certificaat (norm 2008). Niet zonder enige trots doen wij u het verhaal van onze kwaliteit.

Multiline produit des produits de haute qualité. Afin de garantir la plus haute qualité possible, notre entreprise est pénétrée à tous les niveaux d'un sens aigu de la qualité. Nous nous imposons d'intégrer à notre firme toutes les normes de qualité tant nationales qu'européennes. Ceci vaut aussi bien pour les normes de produit ENEC 60.598 et CE que pour le certificat ISO 9001 (norme 2008). Ce n'est pas sans fierté que nous vous décrivons l'histoire de notre qualité.

Multiline stellt Qualitätsprodukte her. Um die höchste Qualität gewährleisten zu können, wird das Qualitätsdenken auf sämtlichen Organisationsebenen vorangestellt. Wir haben es uns zur Aufgabe gemacht, alle nationalen und europäischen Qualitätsnormen in unser Unternehmen zu integrieren. Dies gilt sowohl für die Produktnormen ENEC 60.598 und CE als auch für das ISO 9001 Zertifikat (Norm 2008). Auf dieser Seite möchten wir Ihnen, nicht ohne Stolz, von unserer Qualität berichten.

CONTINUE TO BE A TREND SETTER TOONAANGEVEND BLIJVEN RESTER DANS LE TON AUCH IM ZUKUNFT TONANGEBEND

We want to be the precursor for others in the lighting trade, but not just as far as design is concerned. In the fields of technology and quality too, we believe in a policy of continuous innovation and investment.

Niet alleen inzake design willen we een voorbeeld zijn voor de verlichtingsmarkt. Ook op vlak van technologie en kwaliteit huldigen wij een politiek van permanent innoveren en investeren.

Ce n'est pas que par le design que nous voulons nous montrer en exemple sur le marché de l'éclairage. Sur le plan de la technologie et de la qualité nous inaugurons aussi une politique d'innovations et d'investissements permanents.

Nicht nur in Hinblick auf das Design wollen wir auf dem Beleuchtungsmarkt ein Vorbild sein. Auch auf dem Gebiet der Technologie und Qualität betreiben wir eine Politik ständiger Innovation und Investition.

THE PROOF THEREOF IS IN THE STANDARDS HET BEWIJS ZIT IN DE NORMEN POUR S'EN CONVAINCRE: LES NORMES DER BEWEIS: DIE NORMEN

Multiline is the only Belgian manufacturer of lighting systems that meets all the current standards for every single product; all national standards, the european product standard ENEC 60.598 and CE. What is more, we have achieved the ISO 9001 quality certificate. And as to the environmental protection, we have adopted the most stringent of European laws.

Multiline is de enige Belgische fabrikant van lichtsystemen die voor elk van zijn producten aan alle bestaande normen beantwoordt: alle nationale normen, de Europese norm ENEC 60.598 en de Europese CE-norm. Bovendien hebben wij het ISO 9001-certificaat behaald. Inzake milieuzorg hebben wij de strengste Europese wetten tot de onze gemaakt.

Multiline est le seul fabricant belge de systèmes d'éclairage dont chacun de ses produits répond à toutes les normes existantes: toutes les normes nationales, la norme européenne ENEC 60.598 et la norme européenne CE. En outre, nous avons obtenu le certificat ISO 9001. Et pour ce qui concerne la protection de l'environnement, nous avons fait nôtres les prescriptions européennes les plus sévères.

Multiline ist der einzige belgische Hersteller von Beleuchtungsprodukten, der mit jedem einzelnen Produkt den derzeit geltenden Normen gerecht wird, d.h. den nationalen Normen, der europäischen Norm ENEC 60.598 und der europäischen Norm CE. Darüber hinaus haben wir das ISO-9001 Zertifikat erhalten. Auch in puncto Umweltschutz haben wir die strengsten europäischen Gesetzesvorschriften übernommen.



BUILDING UP QUALITY, HOW IT IS DONE ZO LEVER JE KWALITEIT AF C'EST AINSI QUE LA QUALITÉ SE RÉALISE SO ENTSTEHT QUALITÄT

- 1. The entire process, from design through to delivery to the customers, is done by our own staff.**
- 2. The quality tests are an integral part of the R&D phase. The innovators, at the onset, are conversant with every relevant standard and regulation. That also explains the speed with which new patterns are got ready for full scale production.**
- 3. Pre-sales comes before after-sales. A pleasant upshot of an in-depth design study and close consultation on each lighting project is that our Multiline team always remains at our customers' service.**
- 4. Before it leaves the factory, every product undergoes exhaustive tests by our test computer, in accordance with the ENEC standard 60.598.**
- 5. The organization of the work is based on efficiency and flexibility, something our staff is made fully aware of thanks to the company's creed of quality.**

1. Het totale proces, van ontwerp tot en met vervoer naar de klant, gebeurt in eigen beheer.
2. De kwaliteitstests zijn ingebouwd in de R&D-fase (Research and Development). De ontwikkelaars kennen van bij de start alle normen en voorschriften. Dat verklaart ook de snelheid waarmee nieuwe modellen productierijp zijn.
3. Pre-sales komt voor after-sales. Een grondige studie en bespreking van elk verlichtingsproject heeft als aangenaam gevolg dat onze medewerkers ten alle tijde ter beschikking staan van onze klanten.
4. Elk produkt wordt door onze testcomputer volledig getest volgens de ENEC 60.598-norm vooraleer het de fabriek verlaat.
5. De organisatie van het werk is gebaseerd op efficiëntie en flexibiliteit, en is doordrongen van de kwaliteitsgedachte.

1. La totalité du processus s'effectue dans la firme, depuis la conception jusqu'au transport vers le client.
2. Les tests de qualité sont incorporés dans la phase R&D (Research and Development). Les concepteurs connaissent dès le départ toutes les normes et prescriptions. Ceci explique aussi la rapidité avec laquelle les nouveaux modèles sont prêts à être mis en production.
3. Les opérations effectuées avant la vente complètent le service d'après-vente. Une étude approfondie, assortie d'une discussion de chaque projet d'éclairage, a comme conséquence heureuse que nos collègues restent toujours à la disposition de nos clients.
4. Avant de quitter l'usine, chaque produit est essayé complètement par notre ordinateur de test, suivant la norme ENEC 60.598.
5. L'organisation du travail est basée sur l'efficacité et la flexibilité, avec un souci de qualité omniprésent.

1. Das gesamte Verfahren, vom Entwurf bis hin zur Lieferung beim Kunden, läuft betriebsintern ab.
2. Die Qualitätstests sind in der Forschungs- und Entwicklungsphase eingebunden. Die Entwicklungstechniker achten von Beginn an auf alle Normen und Vorschriften. Dies ist auch der Grund dafür, dass neue Modelle bei uns in kürzester Zeit produktionsreif sind.
3. Pre-sales kommt vor After-sales. Eine eingehende Studie und Besprechung jedes einzelnen Beleuchtungsprojektes ist mit dem Vorteil verbunden, dass unsere Mitarbeiter jederzeit für unsere Kunden ansprechbar sind.
4. Jedes Produkt wird eingehend von einem Testcomputer geprüft. Nur wenn das Produkt der Norm ENEC 60.598 entspricht, darf es das Werk verlassen.
5. Die auf Effizienz und Flexibilität beruhende Arbeitsorganisation ist auf allen Ebenen vom Bestreben nach Qualität geprägt.

THE QUALITY ASSESSMENT POLICY KWALITEITSPOLITIEK RENDEERT LA POLITIQUE DE QUALITÉ EST RENDABLE QUALITÄTSPOLITIK LOHNT SICH

For one thing our customers reap the benefits of our pursuit of excellence. But for Multiline itself the results are favourable too. We can pride ourselves on a very high level of customer satisfaction and loyalty. They put their trust in us for increasing important projects. And our turnover has risen spectacularly for some years now. Our position as market leader is a pleasant reward for the effort we have put in. It is also an incentive to continue our unremitting efforts.

Op de eerste plaats plukken de klanten de vruchten van ons kwaliteitsstreven. Maar ook voor Multiline zelf zijn de resultaten gunstig. Wij kunnen bogen op een zeer hoge klantentevredenheid en klantentrouw. Wij krijgen het vertrouwen voor steeds belangrijker projecten. En onze omzet groeit sinds enkele jaren spectaculair. Onze positie als marktleider is een mooie beloning voor de geleverde inspanningen. Ze is tevens de prikkel om onze inspanningen onvermoeid voort te zetten.

Ce sont nos clients qui cueillent en premier lieu les fruits de notre recherche de qualité. Mais les résultats sont aussi favorables pour Multiline même. Nous pouvons nous flatter de posséder des clients très satisfaits et fidèles. Ils nous témoignent leur confiance pour des projets toujours plus importants. Et depuis quelques années notre chiffre d'affaires croît de façon spectaculaire. Notre position de leader du marché est une belle récompense pour les efforts consentis. C'est d'ailleurs l'aiguillon qui nous pousse à poursuivre inlassablement nos efforts.

Zunächst ernten natürlich unsere Kunden die Früchte dieser Qualitätsbestrebungen. Doch auch für Multiline machen sich die Ergebnisse bezahlt. Wir können auf eine sehr hohe Kundenzufriedenheit und Kundentreue bauen. Immer bedeutendere Projekte werden uns anvertraut, und unser Umsatz steigt seit einigen Jahren auf spektakuläre Weise. Unsere Position als Qualitätsunternehmen ist der erfreuliche Lohn für die unternommenen Anstrengungen. Zugleich ist sie der Ansporn, diese Bemühungen fortzusetzen.

WHAT DO THESE STANDARDS MEAN? WAT BETEKENEN DEZE NORMEN? QUE SIGNIFIENT CES NORMES? WAS BEDEUTEN DIESE NORMEN?

ENEC 60.598 is the new European standard for lighting systems. It embodies all the national standards of the EC member states. The way in which the candidate company organizes its quality system is put under the microscope when awarding an ENEC certificate. Multiline is the first company in its sector in Belgium which has been allowed to organize the tests, necessary for the authorized release of a new product, on its own premises. CE marking guarantees that the product concerned conforms to all the relevant requirements. As from January 1st 1996, CE marking is required by law. ISO 9001 is the most detailed standard in the ISO 9000 series. ISO 9001 stands for the entire organization of the company. The accreditation agency which issues the certificate, regularly checks for compliance to see whether the company may keep its certification. To obtain the ISO 9001 certificate, we have written, among other things, a detailed quality manual and laid down internal procedures to ensure that we operate continuously to these standards in order to keep the process reproducible.

ENEC 60.598 is de nieuwe Europese norm voor verlichtingsarmaturen. Hij sluit alle landnormen van de EU-lidstaten in. Bij het toekennen van een ENEC-certificaat wordt ook steng toegekeken op de manier waarop de kandidaat zijn kwaliteit "organiseert". Multiline was het eerste bedrijf in zijn sector in België dat de tests, nodig voor het vrijgeven van een nieuw produkt, in eigen huis mag organiseren. CE is de Europese norm die garandeert dat het betrokken produkt voldoet aan alle voorschriften die terzake gelden. Vanaf 1 januari 1996 is de CE-norm wettelijk verplicht. ISO 9001 staat voor de totale organisatie van het bedrijf. De instelling die het certificaat aflevert, controleert om het x-aantal maanden of het bedrijf zijn certificering mag behouden. Om het ISO 9001-certificaat te behalen, hebben wij o.m. een gedetailleerd kwaliteitshandboek geschreven en de interne procedures vastgelegd om die kwaliteit continu reproduceerbaar te garanderen.

ENEC 60.598 est la nouvelle norme européenne relative aux systèmes d'éclairage. Elle comprend toutes les normes nationales des états membres de l'UE. Lors de la délivrance d'un certificat ENEC, il est fait très attention à la manière dont le candidat "organise" sa qualité. Multiline est la première entreprise belge dans son secteur, autorisée à organiser dans ses propres ateliers les tests indispensables pour autoriser la vente d'un nouveau produit. CE est la norme européenne qui garantit que le produit en question satisfait à toutes les prescriptions en vigueur en la matière. La norme CE est une obligation légale au 1 janvier 1996. ISO 9001 est la norme la plus étendue dans la série ISO 9001. La norme ISO 9001 couvre l'entièreté de l'organisation de l'entreprise. L'institution qui délivre le certificat effectue irrégulièrement un contrôle, afin de s'assurer que la certification de l'entreprise peut être maintenue. Afin d'obtenir la certification ISO 9001, nous avons, entre autres, rédigé un manuel de qualité détaillé et nous avons établi les procédures internes qui garantissent la reproductibilité permanente de cette qualité.

ENEC 60.598 ist die neue europäische Norm für Beleuchtungsprodukte. Sie umschließt alle nationalen Normen der EU-Mitgliedstaaten. Bei der Verleihung des ENEC-Zertifikats wird genauestens überprüft, wie der Bewerber seine Qualität "organisiert". Multiline ist in Belgien das erste Unternehmen seiner Branche, das die Tests, die zur Freigabe eines neuen Produktes erforderlich sind, betriebsintern organisieren darf. CE ist eine europäische Norm und die Garantie dafür, dass das betreffende Produkt alle diesbezüglichen Vorschriften erfüllt. Ab dem 1. Januar 1996 ist die CE-Norm gesetzlich verpflichtet. ISO 9001 ist die allumfassende Norm der ISO-9000 Reihe. ISO-9001 bezieht sich auf die gesamte Organisation des Unternehmens. Die Behörde, die das Zertifikat ausstellt, überprüft alle x Monate, ob das Unternehmen das verliehene Zertifikat behalten darf. Zum Erhalt des ISO-9001 Zertifikats haben wir unter anderem eine detaillierte Qualitätsanleitung verfasst und das interne Verfahren festgelegt, um garantieren zu können, dass die Qualität jederzeit reproduzierbar ist.



Certificate BE05/051181

The management system of

Multiline Licht nv

Europaweg 1
3580 Lummen, Belgium

Has been assessed and certified as meeting the requirements of

ISO 9001:2015

For the following activities

Development, production and delivery of lighting systems and luminaires in accordance with national and international standards and according to our own specifications and/or the specifications of customers.

This certificate is valid from 01/04/2021 until 31/03/2024 and remains valid subject to satisfactory surveillance audits.
Issue 12. Certified since 20/03/1995.
Recertification audit due before 28/02/2024.

Authorised by



Pieter Weterings
Certification Manager
SGS Belgium NV
SGS House: Noorderlaan 87-2030 Antwerpen/Belgium
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Accreditation Number
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EN ISO/IEC 17021:2015

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GENERAL SALES CONDITIONS

1. Unless agreed explicitly otherwise in writing, these terms of sale shall be applicable to any and all current and future sales and purchasing agreements between Licht NV and the customer (as mentioned in the order), for the goods as mentioned in each order. Any possible general terms of sale of the customer shall not be applicable and can not be asserted against Licht NV. In the event where preference is granted explicitly and in writing to the terms of the customer or to any special agreement, the terms below shall remain in force in a complementary manner.

2. The orders shall be considered as binding for the customer. Orders shall be binding for Licht NV only after the order has been confirmed in writing. The customer shall not have the right of cancelling any orders without having obtained the approval of Licht NV in writing. This approval shall depend on the payment of any and all damage caused by this cancellation.

3. The purchase has been concluded at the prices mentioned in the order form. All prices mentioned are without VAT and other costs (transport, packaging, insurance, import and export duties, etc.). VAT shall be for the account of the customer. The price shall be subject to an increase in the event where during the period between the order and the delivery, the salaries or other components affecting the price (such as, inter alia, tax rates, social security charges, transport costs, raw material prices, energy costs, currency exchange rates, etc.) undergo any increase, unless the goods are being taken over within 30 days following the order.

4. All invoices shall be paid in cash at the registered office of Licht NV. Any interest, discount and collection costs shall be for the account of the customer. Any invoices that fail to be contested by registered letter within 8 (eight) days after having been posted, shall be considered as accepted definitively. The possible use of promissory notes, cheques or the approval of any drawing of bills of exchange for covering the price agreed shall not be considered as any renewal of debt of the original invoice nor shall it cancel any right of retention, agreement or territorial jurisdiction. In the event of any late payment, interest for deferred payment shall be charged of right and without any previous summons, at the rate of 10 % on an annual basis, to become effective from the due date. In the event of any late payment, the amount of the invoice shall be increased of right and without any previous summons by 10 %, with a minimum amount of 125 Euro. If the customer fails to comply with any terms or payment or other commitments, then Licht NV shall have the right of suspending its commitments in connection with other agreements currently in force between the parties. Any late payment of one invoice shall result in having the other invoices become payable, for which a period of payment may have been allowed, without any previous summons. Payments in part shall be charged first against any interest, damage clause and possible costs, and subsequently against the principal amount of the invoice due. Furthermore, in the event where a summons mailed by registered letter has remained without any result for a period of 15 days, Licht NV may consider the agreement as cancelled entirely or for the portion that has not been executed already, without prejudice to its right of claiming damages in the amount of 30 % of the amount of the invoice, in compensation for expenses and loss of profit, without any obligation for Licht NV of proving the existence or the extent of the loss. Licht NV shall reserve its right of demanding the execution of the agreement or of proving its possible higher loss.

5.a. Any and all costs of shipment shall be at the customer's expense. (except countries of the Benelux) The delivery shall be made at the customer's risk.

5.b. The date of delivery mentioned on the confirmation of order shall be indicative and not binding where Licht NV is concerned.

Any delay in the time of delivery agreed shall not entitle to any claim for damages or to the cancellation of the agreement. Part deliveries shall be allowed always. The customer shall bear the risk of force majeure. Force majeure shall be understood to mean any event over which Licht NV has reasonably no control, including but not limited to strikes, lock-out, interruptions in transport, acts of war, fire, regulations or stipulations by the government or by administrative authorities.

5.c. Licht NV shall have the right of terminating the agreement with the customer (for the portion not executed as yet) in the event where it considers the solvency of the customer to be inadequate and has informed the latter of this fact in writing, without giving rise to any claim of the customer against Licht NV for compensation of costs and/or damages of any nature. Licht NV shall reserve its right of considering the agreement with the customer as terminated of right, without any previous summons, in the event of bankruptcy, compromise or obvious insolvency of the customer.

6.a. Complaints in connection with the quantity or with defects in quality or non-conformity shall have to be reported to Licht NV, on the penalty of nullity, at the time of the delivery (in the event of visible defects) or within 8 (eight) days following their discovery (in the event of hidden flaws). This shall be done by registered letter with notice of delivery, mentioning any and all relevant information including, inter alia, the order and invoice number; in the absence of any such registered letter, Licht NV may consider any such complaint as non-acceptable. Complaints shall have to be reported, in any event, within 6 months following the date of the delivery or at any other time as mentioned in the confirmation of order.

6.b. Any possible claim based on hidden flaws shall be submitted, in addition, by the customer within a period of 2 months following the discovery of the flaw as otherwise, the claim shall be non-acceptable in accordance with the provisions of article 1648 of the Civil Code. This claim shall have to be brought, in any event and on the penalty of forfeit, within 6 months following the delivery. If the complaint is founded, the liability of Licht NV shall be limited to the cost-free replacement of the products that appear to be defective. Filing complaints shall not entitle the customer to delay or suspend the payment of the price, even of any portion thereof, nor does it allow him to cancel the order or delivery as a whole.

7. Any and all goods shall continue to be the property of Licht NV until payment in full has been made of the amounts of the invoices, including costs, interest, damage clauses and possible tax. The customer shall bear the risk as from the conclusion of the purchase agreement. Licht NV shall reserve explicitly its right of demanding these unpaid goods to be returned, wherever they may be, without any appeal or opposition from the customer. In the course of this period, the customer shall assume the duties and responsibilities of custodian where the products delivered are concerned and he undertakes, consequently, to guard and protect them from any and all causes of damage, destruction, theft, fire, loss, etc. Goods delivered by Licht NV and subject, according to paragraph 1, to the reservation or ownership, may be resold only in the frame work of regular business transactions. The parties are agreed that in the event where goods and services delivered by Licht NV are invoiced by the customer prior to having paid the amount payable to Licht NV, an assignment of claim shall be operated in the following manner: subsequent to the notification in writing of the assignment of the claim by Licht NV both to the customer and to the latter's contracting party, the claim of the customer against this contracting party shall be assigned to Licht NV in the amount of the customer's debt payable to Licht NV. This assignment shall be retroactive - in the Multiline/customer relationship - back to the time when the agreement was concluded. The customer shall not be authorised to offer the products sold as surety or to establish any other right in this respect. If the customer fails to comply with his obligations or if a reasonable fear exists that he shall not do so, then Licht NV shall be authorised to recover or have recovered the products delivered and subject to the reservation of ownership in accordance with paragraph 1, from the customer or from any third parties holding such products for the customer. The customer shall be obliged to co-operate fully in this respect, on the penalty of a compensation of 10 % of the amount payable by him, per day of delay.

8.a. The materialisation as well as the existence and the consequences of this agreement shall be governed solely by the laws of Belgium.

8.b. The courts in the court district of Hasselt alone shall have jurisdiction with regard to any possible disputes. This provision shall be applicable also to contracts with nationals of the EEC, in accordance with the EEX Treaty of September 27,1968 and the Treaty of September 16,1988.

9. The possible nullity of one or of more clauses shall not entail the nullity of the other clauses of this agreement nor of the agreement itself. Any clause that is null and void shall be replaced by a clause that comes as close as possible to that which the parties intend.

Special conditions

1. The special provisions below - as well as the general provisions above to the extent where they are not deviated from explicitly - shall be applicable only with regard to customers for whom the goods delivered under this agreement are not connected with operating any trade business or with exercising any self-employed activity where the customer is concerned.

2. The following general terms shall not be applicable: article 2, article 5.b, article 6.b and article 8.b.

3. The parties may set a time of delivery by joint agreement. The time of delivery mentioned on the order form alone shall be valid, excluding any verbal agreement. Any delay in the time of delivery agreed as a result of force majeure can not give rise to any claim for damages or for termination of the agreement. Force majeure shall be understood to include, inter alia, war, strike, lock-out, supply difficulties, shortage of material or lack of products absolutely required for the manufacture,...

4. Contrary to the provisions of article 6.b of the general terms, the liability of NV Licht shall be described as follows: Any possible claim based on hidden flaws shall have to be brought by the customer within two months following the discovery of the flaw; any failure to comply therewith shall render the claim non-acceptable in accordance with art. 1646 of the Civil Code.

5. NV Licht may be summoned before the Court only in the jurisdiction of its registered office.

6. In any events of dispute, the Court of the place where the agreement has materialised or where it is, shall be or must be executed or the Court of the residence of the customer shall have jurisdiction, at the choice of NV Licht. This provision shall be applicable also to contracts with nationals of the EC, in accordance with the EEX Treaty of September 27,1968 and the Treaty of September 16,1988.

7. In the event of non-conformity of the seller's performance, the buyer shall be entitled to damages under common law.



ALGEMENE VERKOOPSVOORWAARDEN

1. Tenzij uitdrukkelijk en schriftelijk anders overeengekomen, zijn de onderhavige verkoopvoorwaarden van toepassing op alle huidige en toekomstige verkoop- en aankoopovereenkomsten tussen Licht NV en de klant (zoals in de bestelling vermeld) voor goederen zoals in elke bestelling vermeld. Eventuele algemene verkoopvoorwaarden van de klant zullen niet van toepassing zijn en aan Licht NV niet tegenstelbaar. Zo er uitdrukkelijk en schriftelijk de voorkeur gegeven wordt aan de voorwaarden van de klant of aan een bijzondere overeenkomst, blijven de hiernavolgende voorwaarden gelden op een aanvullende wijze.

2. De bestellingen worden als bindend voor de klant beschouwd. Bestellingen zijn slechts bindend voor Licht NV na schriftelijke orderbevestiging. De klant heeft geen recht om bestellingen te annuleren zonder de schriftelijke toestemming van Licht NV. Deze toestemming is afhankelijk van het betalen van alle schade die door deze annulering veroorzaakt werd.

3. De koop is gesloten aan de op de bestelbon vermelde prijzen. Alle prijzen zijn exclusief B.T.W. en andere kosten (transport, verpakking, verzekering, in- en uitvoertaksen, e.d.). De B.T.W. is ten laste van de klant. De prijs is voor verhoging vatbaar indien tussen de periode van bestelling en levering de lonen of andere bestanddelen die de prijs kunnen beïnvloeden (o.a. fiscale tarieven, sociale lasten, transportkosten, grondstofprijzen, energiekosten, valutakoersen, e.d.), een stijging ondergaan, behalve wanneer de goederen binnen de 30 dagen na bestelling worden afgenomen.

4. Alle facturen zijn contant betaalbaar op de maatschappelijke zetel van Licht NV. De interest, disconto- en inningskosten vallen ten laste van de klant. Facturen die niet per aangetekende brief binnen de 8 (acht) dagen na verzending ervan betwist werden, worden als definitief aanvaard beschouwd. Het eventueel gebruik van promessen, cheques of de toestemming om wissels te trekken ter dekking van de overeengekomen prijs zal nooit als een schuldhermieuwing van de originele factuur beschouwd worden, noch zal het enig "retentierecht", overeenkomst of enige territoriale bevoegdheid teniet doen. In geval van laattijdige betaling worden van rechtswege en zonder voorafgaandelijke ingebrekestelling, verwijlinteressen aangerekend a rato van 10 % op jaarbasis, te rekenen vanaf de vervaldag. Bij laattijdige betaling wordt bovendien het factuurbedrag van rechtswege en zonder voorafgaandelijke ingebrekestelling met 10% verhoogd, met een minimum 125 Euro. Indien de klant enige betalingsvoorwaarden of andere verplichtingen niet naleeft, dan heeft Licht NV het recht om haar verplichtingen op te schorten in verband met andere lopende contracten tussen partijen. Laattijdige betaling van één factuur heeft voor gevolg dat de andere facturen, waarvoor in voorkomend geval een betalingstermijn was verleend, ineens opeisbaar zijn, zonder voorafgaandelijke ingebrekestelling. Gedeeltelijke betalingen worden eerst als aflossing op interesten, schadebeding en eventuele kosten aangerekend en daarna op de openstaande factuur. Bovendien kan Licht NV, indien een per aangetekende brief verstuurdde aanmaning zonder gevolg bleef gedurende 15 dagen, het contract beschouwen als ontbonden voor het geheel of verbroken voor het nog niet uitgevoerde gedeelte, en dit onverminderd haar recht op schadevergoeding van 30% van het factuurbedrag als vergoeding voor onkosten en winstderving, zonder dat Licht NV het bewijs dient te leveren van het bestaan of de omvang van de schade. Licht NV behoudt zich het recht voor om de uitvoering van de overeenkomst te vorderen of haar eventuele hogere schade te bewijzen.

5.a. De levering geschiedt franco vanaf een bedrag van 500 Euro, excl. BTW. (enkel geldig voor de Benelux landen) Alle kosten van verzending zijn ten laste van de klant. Bij leveringen onder de 500 Euro wordt steeds minimum een bedrag van 35 Euro aangerekend. (enkel geldig voor de Benelux landen).

5.b. De leveringsdatum die op de orderbevestiging vermeld is, geldt enkel als aanduiding en is niet bindend voor Licht NV. Een vertraging op de overeengekomen leveringstermijn kan in geen geval aanleiding geven tot schadevergoeding of verbrekking van de overeenkomst. Gedeeltelijke leveringen zijn steeds toegestaan. De klant draagt in ieder geval het risico voor overmacht. Onder overmacht wordt verstaan iedere gebeurtenis waar Licht NV redelijkerwijze geen controle over heeft, ingegrepen maar niet beperkt tot stakingen, lockout, onderbrekingen in het vervoer, oorlogsdaden, brand, verordeningen of voorschriften van de regering of de administratie.

5.c. Licht NV is gerechtigd de overeenkomst met de klant (voor het nog niet uitgevoerde gedeelte) te ontbinden indien hij de kredietwaardigheid van de klant niet voldoende acht en hij deze schriftelijk daarvan in kennis heeft gesteld, zonder dat de klant jegens Licht NV enigerlei aanspraak op vergoeding van kosten en/of schade van welke aard ook kan doen gelden. Licht NV behoudt zich het recht voor om de overeenkomst met de klant van rechtswege en zonder voorafgaandelijke ingebrekestelling als ontbonden te beschouwen in geval van faillissement, gerechtelijke akkoord of kennelijk onvermogen van de klant.

6.a. Klachten in verband met de hoeveelheid of kwaliteitsgebreken of niet-overeenstemming dienen, op straffe van nietigheid, bij levering (in het geval van zichtbare gebreken) of binnen de 8 (acht) dagen na het ontdekken ervan (in het geval van verborgen gebreken) aan Licht NV meegedeeld te worden. Dit dient te geschieden per aangetekende zending, met bevestiging van ontvangst, met vermelding van alle relevante gegevens, ondermeer bestel- en factuurnummer, bij gebreke waaraan Licht NV elke klacht als onontvankelijk mag beschouwen. De klachten dienen in ieder geval binnen de 6 maanden na datum van de levering, of iedere andere termijn zoals in de orderbevestiging vermeld, meegedeeld te worden.

6.b. Een eventuele vordering op grond van verborgen gebreken dient daarenboven door de klant te worden ingesteld binnen de 2 maanden na de ontdekking van het gebrek, bij gebreke waaraan de vordering in toepassing van art. 1648 B.W. onontvankelijk is. Deze vordering dient in elk geval, op straffe van verval, te worden ingesteld binnen de 6 maanden na de levering. Indien de klacht gegrond is, zal de aansprakelijkheid van Licht NV beperkt te worden tot de kosteloze vervanging van de producten die gebrekkig blijken te zijn. Het melden van klachten geeft de klant niet het recht om de betaling van de prijs uit te stellen of op te schorten, zelfs niet gedeeltelijk, noch het recht om de volledige bestelling of levering te annuleren.

7. Alle goederen blijven eigendom van Licht NV tot volledige betaling van alle factuurbedragen, inclusief kosten, interesten, schadebedingen en eventuele belastingen. De klant draagt de risico's vanaf het sluiten van de koopovereenkomst. Licht NV behoudt zich uitdrukkelijk het recht voor deze onbetaalde goederen terug te eisen, waar zij zich ook mogen bevinden, zonder enig verhaal of verzet van de klant. Tijdens deze periode neemt de klant de plichten en de verantwoordelijkheid van bewaarder op zich voor de geleverde producten en hij verbindt er zich bijgevolg toe deze te bewaken en te verzekeren tegen alle oorzaken van beschadiging, vernietiging, diefstal, brand, verlies, enz. Door Licht NV afgeleverde goederen, die krachtens lid 1 onder het eigendomsvoorbehoud vallen, mogen slechts in het kader van een normale bedrijfsuitoefening worden door verkocht. Partijen komen overeen dat - zo de door Licht NV geleverde goederen en diensten worden doorgefactureerd door de klant, alvorens deze de vordering van Licht NV heeft betaald, er een overdracht van schuldvordering tot stand komt als volgt : na schriftelijke kennisgeving van de overdracht van de schuldvordering door Licht NV zowel aan de klant als aan diens medecontractant wordt de vordering van de klant op diens medecontractant geheel of proportioneel tot het doorverkochte gedeelte overgedragen aan LICHT NV ten bedrage van de schuld van de klant opzichthens Licht NV. Deze overdracht werkt, in de verhouding LICHT NV - klant, terug tot op het ogenblik van het afsluiten van de overeenkomst. Het is de klant niet toegestaan de geleverde zaken te verpanden of hier enig ander recht op te vestigen. Indien de klant zijn verplichtingen niet nakomt of er gegronde vrees bestaat dat hij zulks niet zal doen is Licht NV gerechtigd afgeleverde goederen waarop het in lid 1 bedoelde eigendomsvoorbehoud rust bij de klant of derden die de zaak voor de klant houden weg te halen of weg te doen halen. De klant is verplicht hiertoe alle medewerking te verschaffen op straffe van een schadevergoeding van 10 % van het door hem verschuldigde per dag vertraging.

8.a. Zowel de totstandkoming, het bestaan als de gevolgen van deze overeenkomst worden uitsluitend door het Belgisch recht beheerst.

8.b. Enkel de rechtbanken van het arrondissement Hasselt zijn bevoegd om kennis te nemen van eventuele geschillen. Deze bepaling is eveneens van toepassing op contracten met rechtsonderdanen van de E.E.G., overeenkomstig het E.E.X.-verdrag van 27 september 1968 en het Verdrag van 16 september 1988.

9. De mogelijke nietigheid van één of meer clausules brengt niet de nietigheid met zich mee van de andere clausules van deze overeenkomst, noch van de overeenkomst zelf. Een nietige clausule zal worden vervangen door een clausule die het dichtst benadert wat de partijen bedoelen.

Bijzondere voorwaarden

1. De hiernavolgende bijzondere bedingen - alsmede de hogervermelde algemene bedingen, doch slechts in de mate dat hiervan niet uitdrukkelijk wordt afgeweken - gelden slechts enkel t.a.v. klanten, voor wie de krachtens de huidige overeenkomst geleverde goederen, geen verband houden met de uitbating van een handelszaak of met de uitoefening van om het even welke zelfstandige activiteit in hoofde van de klant.

2. De navolgende algemene bedingen zijn niet van toepassing : artikel 2, artikel 5.b, artikel 6b en artikel 8.b..

3. Partijen kunnen in onderling overleg een leveringstermijn bepalen. Enkel de op de bestelbon voorziene leveringstermijn is geldig, met uitsluiting van elke mondelinge overeenkomst. Een vertraging op de overeengekomen leveringstermijn ingevolge overmacht kan in geen geval aanleiding geven tot schadevergoeding of ontbinding van de overeenkomst. Als overmacht moet ondermeer beschouwd worden: oorlog, staking, lock-out, bevoorradingsmoeilijkheden, materiële schaarste of gebrek aan onmisbare producten voor fabricatie,...

4. In afwijking van artikel 6.b van de algemene bedingen, wordt de aansprakelijkheid van Licht NV als volgt omschreven: een eventuele vordering vordering op grond van verborgen gebreken dient door de klant te worden ingesteld binnen de twee maanden na de ontdekking van het gebrek, bij gebreke waaraan de vordering in toepassing van art. 1648 B.W. onontvankelijk is.

5. Licht NV kan enkel in rechte worden aangesproken voor de Rechtbank van de plaats van haar maatschappelijke zetel.

6. In alle gevallen van betwisting is de rechtbank van de plaats waar de overeenkomst is ontstaan of waar zij wordt, is of moet worden uitgevoerd of de rechtbank van de woonplaats van de klant, naar keuze van de Licht NV, bevoegd. Deze bepaling is eveneens van toepassing op contracten met rechtsonderdanen van de E.G., overeenkomstig het E.E.X.-verdrag van 27 september 1968 en het Verdrag van 16 september 1988.

7. In geval van wanprestatie van de verkoper heeft de koper recht op een gemeenrechtelijke schadevergoeding.



CONDITIONS GÉNÉRALES

Les conditions de ventes sont uniquement valables pour la Belgique. Les conditions de ventes pour l'étranger sont disponibles sur demande.

1. Sauf stipulations expresses et écrites, les présentes conditions sont applicables à toutes les conventions de ventes et d'achats actuelles et futures entre la S.A. Licht et le client (tel que renseigné à la commande) pour les biens tels qu'ils figurent dans chaque commande. D'éventuelles conditions générales de ventes du client ne seront pas applicables et non opposables à celles de la S.A. Licht. S'il est donné préférence expresse et écrite aux conditions du client ou à une convention particulière, les présentes conditions demeureront applicables de façon supplétive.

2. Les commandes sont considérées lier le client. Les commandes ne lient la S.A. Licht qu'après confirmation écrite de la commande. Le client n'a pas le droit d'annuler des commandes sans l'autorisation écrite de la S.A. Licht. Cette autorisation est subordonnée au paiement de tout dommage occasionné par cette annulation.

3. L'achat est conclu aux prix figurant au bon de commande. Tous les prix sont hors T.V.A. et autres frais (transport, conditionnement, assurance, taxes d'importation et d'exportation etc.). La T.V.A. est à charge du client. Le prix est susceptible de majoration si entre la période de la commande et de la livraison les salaires et autres composantes pouvant influencer le prix (notamment les tarifs fiscaux, les charges sociales, les frais de transport, les prix des matières premières, le prix de l'énergie, les cours de changes etc.) subissent une majoration, sauf si les marchandises sont enlevées endéans les 30 jours de la commande.

4. Toutes les factures sont payables au comptant au siège social de la S.A. Licht. Les intérêts, les frais d'escompte et de recouvrement sont à charge du client. Les factures qui ne sont pas contestées par lettre recommandée endéans les 8 (huit) jours de leur envoi seront considérées comme définitivement acceptées. L'emploi éventuel de promesses, de chèques ou de l'autorisation de tirer des lettres de change en couverture du prix convenu ne sera jamais considéré comme une novation de la facture originale et ne pourra pas invalider un quelconque "droit de rétention", ni une convention ou une quelconque compétence territoriale. En cas de paiement tardif des intérêts de retard seront portés en compte de plein droit et sans mise en demeure préalable au taux de 10 % sur base annuelle, à compter de la date d'échéance. En cas de paiement tardif il sera pour le surplus procédé de plein droit et sans mise en demeure préalable à une majoration du montant de la facture de 10 % avec un minimum de 125 €. Si le client ne se conforme pas aux conditions de paiement ou autres obligations, la S.A. Licht a le droit de suspendre ses propres obligations relatives au contrat en cours. Le paiement tardif d'une facture a pour conséquence que les autres factures, pour lesquelles le cas échéant un moratoire avait été accordé, deviennent immédiatement recouvrables sans mise en demeure préalable. Les paiements échelonnés sont imputés d'abord sur les intérêts, la clause pénale et les frais éventuels et par la suite sur le montant de la facture non payée. Pour le surplus la S.A. Licht pourra considérer le contrat comme résolu, soit entièrement soit partiellement pour la partie non encore exécutée, si une lettre recommandée de sommation est restée sans suite durant 15 jours sans préjudice de son droit à une indemnité de 30 % du montant de la facture à titre de dédommagement pour frais et manque de profit sans que la S.A. Licht ne doit fournir la preuve de l'existence ou de la constance de son dommage. La S.A. Licht se réserve le droit à l'exécution de la convention ou de prouver son dommage éventuellement supérieur.

5.a. La livraison se fait franco domicile du destinataire à partir d'un montant de € 500 hors T.V.A. (valable uniquement pour les pays du BENELUX) Tous les frais d'expédition sont à charge du client. L'envoi se fait aux risques du client. Pour les livraisons inférieures à € 500 il est toujours porté en compte un montant de € 35. (valable uniquement pour les pays du BENELUX).

5.b. La date de livraison figurant à la confirmation de commande est simplement indicative et non obligatoire pour la S.A. Licht. Le retard dans la livraison convenue ne peut d'aucune manière donner droit à une indemnité ou à la résolution de la convention. Des livraisons partielles sont toujours admises. Le client endosse en tout cas le risque de force majeure. Sous force majeure il est entendu chaque événement sur lequel la S.A. Licht n'a raisonnablement aucun contrôle et ce compris, mais de façon non limitative, les grèves, les lockout, les suspensions de transports, les actes de guerre, les incendies, les règlements ou prescriptions du gouvernement ou de l'administration.

5.c. La S.A. Licht a le droit de résoudre la convention avec le client (pour la partie non encore exécutée) si elle estime la crédibilité du client insuffisante et qu'elle en a informé le client par écrit, sans que ce dernier puisse prétendre à un dédommagement de frais et/ ou dommage de quelque nature qu'il soit à l'égard de la S.A. Licht. La S.A. Licht se réserve le droit de considérer la convention avec le client résolue de plein droit et sans mise en demeure préalable en cas de faillite, accord judiciaire ou insolvabilité notoire du client.

6.a. Les plaintes se rapportant aux quantités ou aux défauts de qualité voire de non conformité doivent, sous peine de nullité, être communiquées à la livraison (en cas de défaut apparent), ou endéans les 8 (huit) jours après leur découverte (dans le cas de défauts cachés). Ceci devra se faire par voie recommandée par accusé de réception reprenant l'énonciation de toutes les données pertinentes, entre autres le numéro de commande et celui de la facture, à défaut pour la S.A. Licht de considérer chaque réclamation irrecevable. Les réclamations doivent en toutes hypothèses être communiquées endéans les six mois de la livraison ou tout autre délai tel qu'il figurerait dans la confirmation de commande.

6.b. Une action éventuelle fondée sur des défauts cachés doit être pour le surplus introduite par le client endéans les deux mois de la découverte du défaut, faute de quoi l'action sera irrecevable en l'application de l'art. 1648 C.C. Cette action doit en tout cas, être introduite, sous peine de forclusion, endéans les 6 mois de la livraison. Si la plainte est fondée, la responsabilité de la S.A. Licht se limitera au remplacement gratuit des produits défectueux. La dénonciation d'une plainte n'autorise pas le client à postposer le paiement du prix ou d'en suspendre le paiement, même pas partiellement, ni le droit d'annuler la commande ou la livraison complète.

7. Toutes les marchandises demeurent la propriété de la S.A. Licht jusqu'au paiement total du montant des factures, et ce y compris les frais, les intérêts, les pénalités et taxes éventuelles. Le client supporte les risques à partir de la conclusion de la convention de vente. La S.A. Licht se réserve de façon formelle le droit de reprendre les marchandises non payées là où elles pourraient se trouver, sans recours ni opposition du client. Pendant cette période le client est réputé assumer les devoirs et la responsabilité d'un consignataire des produits livrés et s'engage par conséquent d'en exercer la garde et de les assurer contre tous risques de dommage, de destruction, de vol, d'incendie, de perte etc. Les marchandises livrées par la S.A. Licht, tombant conformément à l'alinéa 1 sous la réserve de propriété, ne peuvent être vendues que dans le contexte d'un exercice normal d'activités. Les parties conviennent que si les marchandises et services livrés par la S.A. Licht sont facturés à leur tour par le client, préalablement au paiement de la créance de la S.A. Licht, un transfert de créance se créera comme suit : après notification écrite du transfert de créance par la S.A. Licht tant au client qu'au cocontractant de ce dernier, la créance du client sur son cocontractant est transmise entièrement ou proportionnellement au prorata de la partie vendue à S.A. Licht à concurrence du débit du client à la S.A. Licht. Ce transfert rétroagit, dans la relation S.A. Licht – client, jusqu'au moment de la conclusion de la convention. Le client ne peut mettre en gage les marchandises livrées ni les grever d'autres droits. Si le client n'accomplit pas ses obligations ou si une appréhension fondée existe qu'il ne s'exécutera pas, la S.A. Licht aura le droit d'enlever ou de faire enlever chez le client les marchandises livrées, grevées de la réserve de propriété, mentionné à l'alinéa 1. Le client a l'obligation d'y contribuer pleinement sous peine d'une indemnité de 10 % de ce qu'il doit par jour de retard.

8.a. Tant la conclusion que l'existence et les conséquences de cette convention sont régies uniquement par le droit belge.

8.b. Les Tribunaux de l'arrondissement de Hasselt sont exclusivement compétents de prendre connaissance d'éventuels litiges. Cette stipulation est également applicable aux contrats conclus avec des sujets de la C.E.E. conformément au Traité C.E.E. du 27 septembre 1968 et du Traité du 16 septembre 1988.

9. La nullité éventuelle d'une ou de plusieurs clauses n'entraîne pas la nullité des autres clauses de cette convention, ni d'ailleurs de la convention elle-même. Une clause nulle sera remplacée par une clause se rapprochant le plus de l'intention des parties.

Conditions particulières

1. Les stipulations particulières suivantes – de même que les stipulations générales mentionnées ci haut, mais seulement dans la mesure où il n'y est pas expressément dérogé – ne sont valables qu'à l'égard de clients pour lesquels les marchandises livrées en vertu de la présente convention, n'ont aucun rapport avec l'exploitation d'un commerce ou de l'exercice d'une activité indépendante quelconque dans le chef du client.

2. Les stipulations générales suivantes ne sont pas d'application : article 2, article 5 b, article 6 b et article 8 b.

3. Les parties peuvent convenir de commun accord d'un délai de livraison. Seul le délai de livraison prévu au bon de commande est valable à l'exclusion de toutes conventions verbales. Le retard d'un délai de livraison à la suite d'un cas de force majeure ne peut en aucun cas donner lieu à indemnisation ou à la résolution de la convention. Est considéré comme un cas de force majeure un acte de guerre, de grève, de lockout, des difficultés d'approvisionnement, une pénurie de matières premières ou de produits indispensables à la fabrication,

4. En dérogation à l'article 6 b des stipulations générales, la responsabilité de la S.A. Licht est définie comme suit : une action éventuelle fondée sur des défauts cachés cachés doit être impérativement introduite par le client dans les deux mois de la découverte du défaut, sous peine d'être déclarée irrecevable en application de l'art. 1648 C.C.

5. La S.A. Licht ne peut être poursuivie en justice que devant le Tribunal de son siège social.

6. Dans tous les cas de litige est compétent le Tribunal de l'endroit où la convention est née, est exécutée ou doit être exécutée voire le Tribunal du domicile du client, au choix de la S.A. Licht. Cette stipulation est également applicable aux contrats conclus avec des sujets de la C.E.E. conformément au traité C.E.E. du 27 septembre 1968 et du traité du 16 septembre 1998.

7. En cas de non exécution d'une obligation par le vendeur, l'acheteur a droit à une indemnisation conformément au droit commun.



ALLGEMEINE VERKAUFSBEDINGUNGEN

Multiline Rahne Licht GmbH, Hirzenrott 2-4, 52076 Aachen

Die abgedruckten allgemeinen Geschäftsbedingungen gelten ausschließlich für Deutschland. Für andere deutschsprachige Länder können diese auf Anfrage angefordert werden.

1. Allgemeines

Unter Zugrundelegung der nachfolgenden Bedingungen, soweit nicht ausdrücklich schriftlich andere Vereinbarungen getroffen worden sind, verkaufen wir Ihnen Erzeugnisse und Leistungen. Unsere Lieferbedingungen haben Geltung auch dann, wenn der Besteller in seinen Einkaufsbedingungen die Gültigkeit der Verkaufsbedingungen des Lieferanten ausschließt und ein ausdrücklicher Widerspruch dagegen von unserer Seite nicht erfolgt. Den allgemeinen Geschäftsbedingungen des Bestellers wird hiermit widersprochen. Mündlich getroffene Vereinbarungen und besondere Abreden bedürfen zur Verbindlichkeit der schriftlichen Bestätigung durch uns.

2. Preise

Maßgeblich für den Inhalt und Umfang von Lieferungen und Leistungen ist die schriftliche Auftragsbestätigung durch uns. Alle Nebenabreden, Ergänzungen etc. bedürfen zu ihrer Wirksamkeit der Schriftform. Die in der Preisliste aufgeführten Preise verstehen sich per Stück brutto ab Werk ohne Mehrwertsteuer und sind unverbindlich. Zur Berechnung gelangen die am Bestelltag gültigen Preise, soweit es sich nicht ausnahmsweise um Aufträge handelt, die ausdrücklich zur Festpreisen bestätigt werden. Die gesetzliche Mehrwertsteuer wird in der jeweils gültigen Höhe gesondert in Rechnung gestellt.

3. Lieferung

Die Preise gelten brutto ab Werk einschließlich Verpackung. Bei Bestellungen zur sofortigen Abnahme ab Netto-Warenwert von 1.800,- EUR erfolgt die Lieferung frachtfrei. Unter 1.800,- EUR Netto-Warenwert werden anteilige Frachtkosten bzw. Expresskosten erhoben. Überlangen ab 4,00m und Mastleuchten sind von der frachtfreien Lieferung ausgeschlossen. Die Einhaltung von Fristen für Lieferungen setzen rechtzeitigen Eingang sämtlicher vom Besteller zu liefernden Spezifikationen, Unterlagen, erforderlichen Genehmigungen und Freigaben, insbesondere von Plänen, sowie die Einhaltung der vereinbarten Zahlungsbedingungen und sonstigen Verpflichtungen durch den Besteller voraus. Werden diese Voraussetzungen nicht rechtzeitig erfüllt, so verlängern sich die Lieferfristen angemessen, soweit eine Verzögerung nicht von dem Lieferanten zu vertreten ist. Fixgeschäfte bedürfen der ausdrücklichen, schriftlichen Bestätigung. Beruht die Nichteinhaltung von Lieferfristen auf höherer Gewalt, so verlängern sich die Fristen angemessen. Die in den Auftragsbestätigungen jeweils angegebenen Lieferfristen werden weitgehend erfüllt. Sie sind jedoch nicht verbindlich. Das Recht, Teillieferungen zu vollziehen, bleibt vorbehalten. Wird die Anlieferung, der Versand oder die Zustellung auf Wunsch des Bestellers über den im Vertrag vorgesehenen Zeitpunkt verschoben, so kann der Lieferant frühestens 10 Werktage nach Anzeige der Versandbereitschaft der Ware am Lager Geld in Höhe von 0,5 % des Rechnungsbetrages für jeden angefangenen Monat, maximal jedoch 5 % ein Lagergeld dem Besteller in Rechnung stellen. Der Nachweis höherer oder niedriger Lagerkosten bleibt den Vertragsparteien unbenommen. Der Verkäufer ist berechtigt, für den Besteller eine Transportversicherung abzuschließen. Insoweit wird zusätzlich für diese Versicherung ein Betrag in Rechnung gesetzt in Höhe von 1 % vom Netto-Warenwert. Sollte es dann zu einem Transportschaden kommen, verpflichtet sich der Verkäufer nach ihrer Wahl entweder eine Nachlieferung vorzunehmen oder aber Schadensersatz zu leisten.

4. Gefahrenübergang

Die Gefahr geht auf den Besteller über, sobald die Sendung das Werk verläßt. Das Transportrisiko geht zu Lasten des Empfängers. Der Lieferant ist berechtigt, aber nicht verpflichtet, im Namen und für die Rechnung des Bestellers gesonderte Versicherungen für die mit dem Transport verbundenen Gefahren abzuschließen. Darüber hinaus geht auch die Gefahr auf den Besteller über, sobald dieser nach Zugang der Anzeige der Versandbereitschaft durch den Lieferanten in Annahmeverzug gerät.

5. Eigentumsvorbehalt

Die gelieferten Waren verbleiben unser Eigentum, bis sämtliche gegen den Besteller zustehenden Ansprüche restlos erfüllt sind. Der Besteller darf über die Vorbehaltsware im gewöhnlichen Geschäftsverkehr verfügen. Verpfändungen, Sicherungsübereignungen und dergleichen sind ihm untersagt, etwaige Verpfändungen und sonstige Beeinträchtigungen der Vorbehaltsware durch Dritte sind uns unverzüglich anzuzeigen. Der Käufer tritt schon jetzt seine Forderung aus dem Weiterverkauf der Vorbehaltsware an den Verkäufer ab und ermächtigt den Verkäufer zur Einziehung. Der Käufer bleibt bis zur Einziehung der Forderung trotz der vorstehend vereinbarten Abtretung bis auf unseren schriftlichen Widerruf hin ermächtigt. Auf unser Verlangen hat der Käufer dem Schuldner die Abtretung der Forderung mitzuteilen. Dem Verkäufer wird das Recht eingeräumt, diese Abtretung anzuzeigen. Der Eigentumsvorbehalt erstreckt sich auch auf die durch Verarbeitung, Vermischung und Verbindung unserer Ware entstehenden Erzeugnisse zu deren vollen Wert. Hierbei gelten wir als Hersteller, der vom Käufer von allen Verpflichtungen hieraus freigestellt wird. Bleibt bei einer Verarbeitung, Vermischung oder Verbindung mit Waren Dritter deren Eigentumsrecht bestehen, so erwerben wir Miteigentum an den neuen entstehenden Erzeugnissen im Verhältnis der Rechnungswerte der verarbeitenden Waren. Bei Beschädigung oder sonstiger Beeinträchtigung der Vorbehaltsware hat der Besteller den Lieferanten unverzüglich zu benachrichtigen. Entstehen dem Besteller aus der Beschädigung oder Beeinträchtigung Ansprüche gegen Dritte, so tritt er diese Ansprüche bereits jetzt sicherungshalber an den Lieferanten ab. Bei Pflichtverletzung des Bestellers, insbesondere bei Zahlungsverzug, ist der Lieferant berechtigt, zurückzutreten und die Vorbehaltswaren zurückzunehmen. Der Besteller ist zur Herausgabe verpflichtet. Die Rücknahme der Vorbehaltsware bzw. Geltendmachung des Eigentumsvorbehalts allein erfordert keinen Rücktritt des Lieferanten vom Vertrag und gilt auch nicht als konkludente Erklärung des Rücktritts vom Vertrag, es sei denn, der Lieferant erkläre ausdrücklich, daß diese Handlungen als Rücktritt zu verstehen seien.

6. Gewährleistung

Mängelansprüche bestehen nicht bei nur unerheblicher Abweichung von der vereinbarten Beschaffenheit und bei nur unerheblicher Beeinträchtigung der Brauchbarkeit. Mängelansprüche bestehen ferner nicht, bei natürlicher Abnutzung oder Schäden, die nach dem Gefahrübergang infolge fehlerhafter oder nachlässiger Behandlung, übermäßiger Beanspruchung, ungeeigneter Betriebsmittel, mangelhafter Bauarbeiten, ungeeigneter Baugrund oder die aufgrund besonderer äußeren Einflüsse entstehen, die nach dem Vertrag nicht vorausgesetzt sind. Werden vom Besteller oder vom Dritten unsachgemäße Änderungen oder Instandsetzungsarbeiten vorgenommen, so bestehen für diese und für die daraus entstehenden Folgen jedenfalls keine Mängelansprüche. Der Besteller hat die ihm übersandten Waren unverzüglich auf ihre ordnungsgemäße Beschaffenheit hin zu überprüfen und offene Mängel innerhalb einer Frist von 10 Tagen nach Erhalt der Ware dem Lieferanten schriftlich mitzuteilen. Für versteckte Mängel gilt diese Frist ab ihrer Entdeckung. Bei begründeter Mängelrüge, d. h. bei Vorliegen von Sachmängeln, die oder deren Ursache bereits zum Zeitpunkt des Gefahrübergangs vorlagen, ist ein Lieferant nach seiner Wahl zur Nachbesserung (Mängelbeseitigung) oder nach Lieferung (Ersatzlieferung) berechtigt. Liefert der Lieferant zum Zwecke der Nacherfüllung eine mangelhafte Sache, so hat der Besteller die mangelhafte Sache herauszugeben. Dies gilt entsprechend für die mangelhafte Bestandteile, wenn diese im Rahmen der Nachbesserung durch mangelfreie ersetzt werden. Ist der Lieferant zur Nachbesserung oder Nachlieferung nicht in der Lage, ist er gemäß § 439 Abs. 3 BGB zur Verweigerung der Nachbesserung bzw. der Nachlieferung berechtigt oder tritt eine Verzögerung der Nachbesserung bzw. Nachlieferung über eine angemessene Frist hinaus ein, die der Lieferant zu vertreten hat, oder schlägt die Nachlieferung bzw. Nachbesserung zweimal fehl, ist der Besteller nach seiner Wahl berechtigt, vom Vertrag zurück zu treten oder eine entsprechende Minderung des Kaufpreises zu verlangen. Gesetzliche Rückgriffsansprüche des Bestellers gegen den Lieferanten bestehen nur insoweit, als die gesetzlichen Voraussetzungen erfüllt sind. Daher bestehen keine Rückgriffsansprüche, wenn der Besteller mit seinem Abnehmer über die gesetzlichen Mängelansprüche hinausgehende Vereinbarungen im Rahmen einer Garantie aus Kulanz getroffen hat. Soweit die gesetzlichen Vorschriften über den Verbrauchsgüterkauf insbesondere hinsichtlich der Rückgriffshaftung mangels vorliegender gesetzlichen Voraussetzungen keine Anwendung finden, gilt eine einjährige Gewährleistungsfrist. Gegenüber Handwerk, Kommunen und Industrie gilt eine 12-monatige Gewährleistungsfrist. Abweichend gilt für Mängel an Sachen, die üblicherweise für Bauwerke verwendet werden und dessen Mangelhaftigkeit verursacht haben, die gesetzliche 5-jährige Gewährleistungspflicht gemäß § 438 Abs. 1 Nr. 2 BGB. Die gesetzlichen Folgen einer Verletzung der kaufmännischen Untersuchungs- und Rückpflicht bleiben hiervon unberührt. Weitergehende oder andere in diesen Verkaufs- und Lieferbedingungen geregelten Ansprüche des Bestellers gegen den Lieferanten und dessen Erfüllungsgehilfen wegen eines Sachmangels sind ausgeschlossen.

Mängelansprüche bestehen nicht bei nur unerheblicher Abweichung von der vereinbarten Beschaffenheit, bei nur unerheblicher Beeinträchtigung der Brauchbarkeit, bei natürlicher Abnutzung oder Schäden, die nach dem Gefahrübergang infolge fehlerhafter oder nachlässiger Behandlung, übermäßiger Beanspruchung, ungeeigneter Betriebsmittel, mangelhafter Bauarbeiten, ungeeigneten Baugrundes oder die aufgrund besonderer äußerer Einflüsse entstehen, die nach dem Vertrag nicht vorausgesetzt sind, sowie bei nicht reproduzierbaren Softwarefehlern. Werden vom Besteller oder von Dritten unsachgemäße Änderungen oder Instandsetzungsarbeiten vorgenommen, so bestehen für diese und die daraus entstehende Folgen ebenfalls keine Mängelansprüche.

7. Rücknahmen

Die teilweise oder völlige Stornierung eines Auftrages durch den Käufer ist nur mit der Zustimmung des Lieferanten zulässig. In diesem Fall sind wir berechtigt, zur teilweisen Deckung unserer Kosten 30 % des Warenwertes zu berechnen. Der Nachweis höherer oder niedriger Stornierungskosten bleibt den Vertragsparteien unbenommen. Bereits gelieferte Ware wird nur, wenn überhaupt, in verkaufsfähigen Zustand, in Originalverpackung zurückgenommen. Sonderanfertigungen, Hinweis- und Sicherheitsleuchten auf Wunsch des Kunden beschaffte Waren, Glüh- und Leuchtstofflampen werden nicht zurückgenommen. Bei der Rücknahme von Stornierungsaufträgen und Musterleuchten gehen alle Aufarbeitungs-, Fracht- und Verpackungskosten zu Lasten des Käufers. Rücksendungen laufen grundsätzlich auf Gefahr des rücksendenden Kunden. Für eingesandte Ware des Bestellers, ohne eine schriftliche Einverständniserklärung des Lieferanten, erfolgt keine Gutschrift. Die Ware kann dann auf Kosten des Einsenders entsorgt werden.



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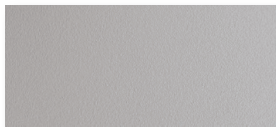


COLOUR CODES

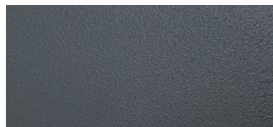
0001 anodised



9906 alu grey textured



7916 anthracite textured



9005 black glossy



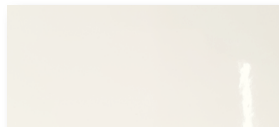
9105 black matte



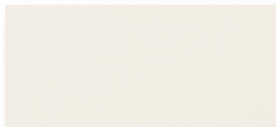
9905 black textured (RAL 9011 textured)



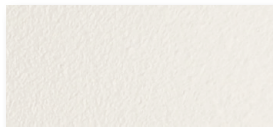
9010 white glossy



9110 white matte



9910 white textured (RAL 9016 textured)



All colour codes in matte or textured are internal codes of Multiline and do not correspond with existing RAL codes. These were only designed with the intention to make a distinction between glossy, matte and textured colours. All RAL colours as well as RAL 9105, RAL 9110, RAL 9905, RAL 9910, RAL 9906 and RAL 7916 are delivered without a surcharge. All other colours (matte, textured, NCS, ...) are delivered with a surcharge unless the desired colour is a stock item for Multiline. The surcharge is on request!

Alle coderingen in mat of structuur zijn interne coderingen van Multiline en geen bestaande RAL coderingen. Deze zijn enkel opgebouwd om glanzende, matte en structuur kleuren uit elkaar te houden. Alle RAL kleuren evenals RAL 9105, RAL 9110, RAL 9905, RAL 9910, RAL 9906 en RAL 7916 worden geleverd zonder meerprijs. Alle overige kleuren (mat, structuur, NCS, ...) worden geleverd mits meerprijs tenzij de gewenste kleur een voorraadartikel is bij Multiline. Meerprijs is op aanvraag!

Tous les codes en mat ou en structure sont des codes internes de Multiline et ne correspondent pas aux codes RAL existants. Ceux-ci sont uniquement conçus pour pouvoir faire la distinction entre des couleurs brillantes, mates et structurées. Toutes les couleurs RAL ainsi que RAL 9105, RAL 9110, RAL 9905, RAL 9910, RAL 9906 et RAL 7916 sont livrées sans coûts supplémentaires. Toutes les autres couleurs (mat, structuré, NCS, ...) entraîneront des coûts supplémentaires excepté si la couleur désirée est un article de stock chez Multiline. Les coûts supplémentaires sont sur demande!

Alle Farbcodes in matt oder Struktur sind interne Codierungen von Multiline und keine bestehenden RAL-Codierungen. Diese sind nur aufgebaut, um den Unterschied zwischen glänzenden, matten und Struktur-Farben zu machen. Alle RAL-Farben sowie RAL 9105, RAL 9110, RAL 9905, RAL 9910, RAL 9906 und RAL 7916 werden ohne Mehrpreis geliefert. Alle übrigen Farben (matt, Struktur, NCS, ...) werden mit Mehrpreis geliefert, außer wenn die gewünschte Farbe ein Lagerartikel ist bei Multiline. Mehrpreis ist auf Anfrage!



EXPLANATION OF THE SYMBOLS

| | | | | |
|--------------|---------------------------|----------------------------|----------------------------------|----------------------------|
| | protection class I | veiligheidsklasse I | classe électrique I | Schutzklasse I |
| 230V 50Hz | supply voltage 230V-50Hz | voedingsspanning 230V-50Hz | voltage d'alimentation 230V-50Hz | Anschlußspannung 230V-50Hz |
| IP20 | protection level IP20 | beschermingsgraad IP20 | indice de protection IP20 | Schutzart IP20 |
| | material: aluminium | materiaal: aluminium | matériel: aluminium | Material: Aluminium |
| | CE quality standard | CE kwaliteitsnorm | CE norme de qualité | CE Qualitätsvorschrift |
| | power supply included | incl. voeding | alimentation inclus | inklusive Einspeisung |
| | power supply not included | excl. voeding | alimentation pas inclus | ohne Einspeisung |



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