

# DURA

LAMP

Professional  
**Lighting**



2023/24

**F** Filippi | TARGETTI  
GROUP



# INDEX

Photographic index	2
The Group	6
Our identity	8
The website	14
Green me	18
<b>LED TABLE LAMP</b>	<b>26</b>
<b>DOWNLIGHTS</b>	<b>32</b>
<b>TRACKLIGHT</b>	<b>52</b>
<b>LED PANELS</b>	<b>68</b>
<b>FIXTURES FOR RETROFIT LAMP</b>	<b>94</b>
<b>INDUSTRIAL</b>	<b>118</b>
<b>OUTDOOR</b>	<b>156</b>
<b>DRIVER AND CONTROLLERS</b>	<b>174</b>
<hr/>	
Info Tech	189
Index	197
Sales Conditions	191

# Indoor

## LED TABLE LAMP

26

NEW



**28 PLUS**  
MARAMA

## DOWNLIGHTS

32



**36 BASIC**  
LESELI SC



**38 BASIC**  
LESELI CCT



**40 BASIC**  
LESELI DS  
SLIM

NEW



**42 PRO**  
RTF CCT IP65



**44 PRO**  
RTF100

NEW



**46 PRO**  
REFL CCT UGR



**48 PRO**  
HELIOS UGR

## MINI DOWNLIGHTS



**50 BASIC**  
VALO MINI



**51 PRO**  
LESELI MINI  
PRO

## TRACKLIGHT

52



**54 PLUS**  
DURA BEAM  
TRACK LIGHT



**58 PRO**  
PROJECTOR  
DURA TL



**62**  
EUROSTANDARD  
PLUS



**99 PLUS**  
DURABLE TRACK  
GU10



**100 BASIC**  
SPOT-V E27



# Indoor

## LED PANELS

68

NEW



**74 BASIC**  
SLIMFLUX SL  
+ UGR

NEW



**76 PRO**  
SLIMFLUX  
SL+UGR

NEW



**78 BASIC**  
SLIMFLUX BL  
+ UGR

NEW



**80 PRO**  
SLIMFLUX BL  
+ UGR



**82 PRO**  
SLIMFLUX BL  
UGR CCT



**84 PRO**  
SLIMFLUX BL  
+ UGR



**86 PLUS**  
SLIMFLUX BL  
+ UGR



**88 PLUS**  
SLIMFLUX  
PANEL ROUND  
60



**90 PLUS**  
SLIMFLUX PANEL  
UP&DOWN  
TRANSLUCENT  
DIMMABLE PANEL



**92**  
SLIMFLUX  
ACCESSORIES

# Indoor / Outdoor

## FIXTURES FOR RETROFIT LAMP

94



**99 PLUS**  
DURABLE TRACK  
GU10



**100 BASIC**  
SPOT-V E27



**101 PLUS**  
DURABLE  
SUSPENSION  
GU10



**103 BASIC**  
SUSPENSION  
E27

NEW



**105 BASIC**  
SUSPENSION  
E27



**106 PLUS**  
DURABLE WALL  
ROUND



**107 PLUS**  
DURABLE WALL  
BRICK



**109 PLUS**  
DURABLE  
WALKABLE IP67



**110 PLUS**  
CATENERIA



**111 BASIC**  
CATENERIA

# Indoor / Outdoor



**112 BASIC**

DURABLE  
ZKR2



**113 BASIC**

DURABLE  
ZKR1



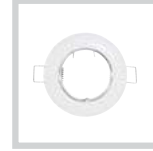
**114 BASIC**  
ZKRR - ORIENTABLE  
RECESSABLE RING



**115 PLUS**  
ZK4 -  
RECESSABLE  
RING IP65



**116 BASIC**  
ZK4 -  
RECESSABLE  
RING IP20



**117 BASIC**  
ZK4 -  
RECESSABLE  
RING IP20

# Industrial

118

## BATTEN



**120 BASIC**  
FILINO T5



**122 BASIC**  
MINI BATTEN  
IP65



**124 PRO**  
BATTEN BT3  
IP65



**126 PRO**  
DAMP PROOF  
LED LUMINAIRE  
MULTIPOWER CCT  
IP65



**128 BASIC**  
DAMP PROOF IP65  
COMPLETE WITH 1  
TUBE



**128 PRO**  
DAMP PROOF IP65  
COMPLETE WITH 1  
TUBE



**130 BASIC**  
DAMP PROOF  
IP65 COMPLETE  
WITH 2 TUBES



**130 PRO**  
DAMP PROOF IP65  
COMPLETE WITH 2  
TUBES



**132 BASIC**  
DAMP PROOF  
IP65 WITHOUT  
TUBE



**132 BASIC**  
DAMP PROOF  
IP65 WITHOUT  
TUBES

## HIGH BAY



**134 BASIC/PRO**  
HBL BEATRIX  
IP65



**136 PLUS**  
PANTH SL2  
IP65



**138 PRO**  
HB2 PRO  
IP65



**140 PRO**  
HB5 PRO  
IP65



**142 PRO**  
HB6 CCT PRO  
IP65

## FLOODLIGHT PROJECTORS



**146 BASIC**  
PANTH ST  
IP65



**150 PLUS**  
PANTH H1  
IP65



**152 PLUS**  
PANTH EVO  
IP65



**154 PLUS**  
PANTH EVO  
PIR SENSOR  
IP44



**136 PLUS**  
PANTH SL2  
IP65

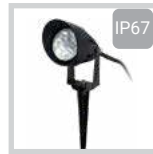
# Outdoor

156

## PROJECTORS



**158 PRO**  
MINILINI  
IP65



**161 BASIC**  
SPIKE LED  
IP67



**164 PLUS**  
INGROUND  
WALK-ON FITTING  
IP67



**109 PLUS**  
DURABLE  
WALK-ON IP67

## DECORATIVE FIXTURES



**166 BASIC**  
PLAFO T2  
IP40



**168 BASIC**  
BULKHEAD  
T&O - IP65



**171 BASIC**  
SEGNASENTIERO  
IP65



**172 BASIC**  
ZOE  
IP54

## DRIVERS AND CONTROLLERS

174



**180**



**182**

**3F Filippi**

**TARGETTI**

**DURA**  
LAMP

Since 1952, 3F Filippi S.p.A has been a benchmark in the field of efficient technical lighting fixture design and manufacturing.

The products, which are designed and created exclusively in the Pian di Macina - Pianoro (Bologna) facilities, are an expression of the company's ability to combine the traditional and the modern, craftsmanship and technology, appearance and functionality, and efficiency and sustainability.



Targetti has been designing and producing indoor and outdoor architectural lighting fixtures since 1928.

For over ninety years, its products have been illuminating prized artistic and architectural works throughout the world and are the expression of innovation, research, and attention to detail.

The company has always placed its experience and expertise at the disposal of architects, designers, and professionals in the lighting world.



With decades of experience and solid technical skill, Duralamp offers a wide range of high quality and efficient products.

Thanks to its expertise, it selects the latest generation components, engineering reliable products, with an offer that includes sources, LED strips, and lighting fixtures.



## **An Italian company open to the world**

Founded in Florence at the beginning of the 1980s as the Luminous Springs division of Targetti Sankey s.p.a., in 1982 Duralamp became independent and began to develop in the manner most congenial to it, with an emphasis on product engineering and the improvement of technologies and production processes.

The implementation of these processes and methodologies took shape at the beginning of the 2000s, on the one hand with the acquisition, in Joint-Venture, of a production site in China, and on the other hand with the development of reliable and long-lasting partnerships with other leading production realities both in Europe and in the East.

Duralamp is part of the 3F Filippi Group | TARGETTI. The recent acquisition by 3F Filippi has made it possible to develop synergies of great interest, and allowed the Group to structure an extremely varied product portfolio. The breadth of range, production capacity and customer response has now multiplied and is able to meet both the needs of Electrical Equipment Distribution and those of Specifiers and Buyers, Architects and Lighting Designers, at a global level.







## **Mission and Vision**

We believe that by providing the best products at the best prices it is possible to build a relationship of trust with customers that lasts over time.

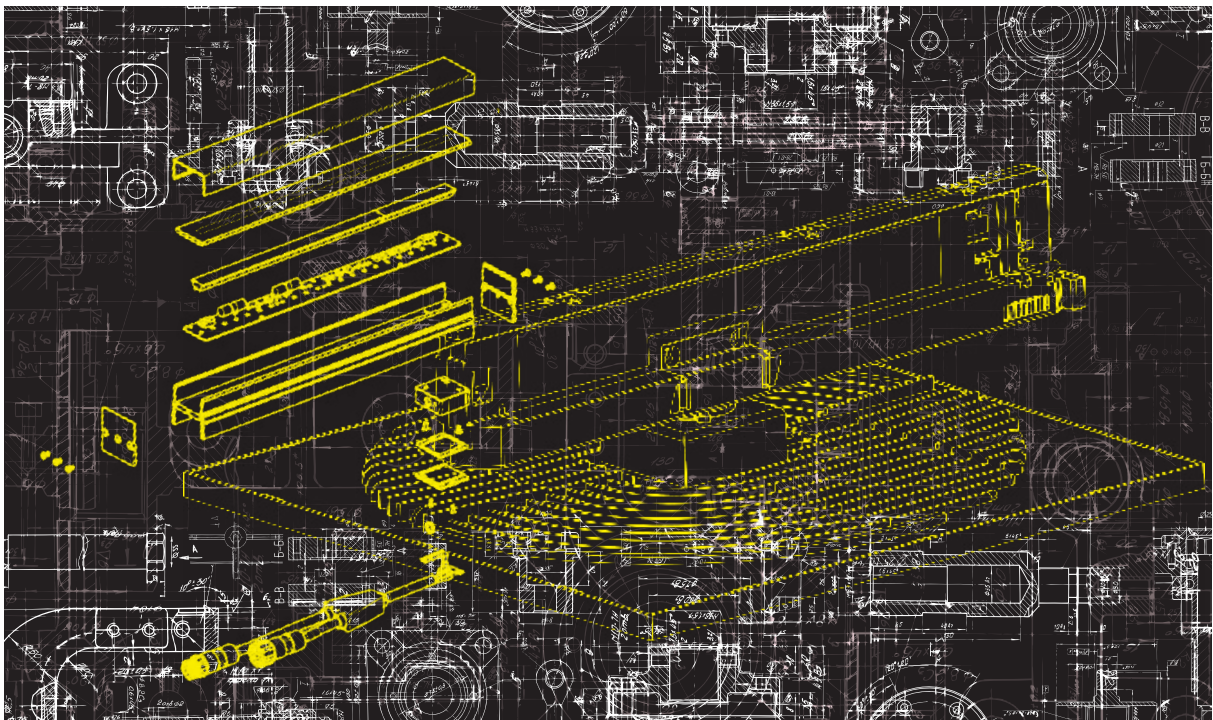
Why do we believe we can do it? Because restructuring Standardised commodity products and finding the right balance of quality or even 'forging' light to meet the particular needs of an installation to us is a source of great professional satisfaction that turns into customer service.

In a wider Vision we work to make a positive impact on people's lives with lighting environments that have never been seen before in terms of quality and usability. While paying attention to containing both design and production costs, we are committed to using cutting-edge technology to create a new dimension of light quality and control to place users at the centre of their choices.



## Technological evolution

The entire world of mass produced “light fixtures” has changed: today the request is for “lighting solutions” that are differentiated according to uses and areas of application. Duralamp is able to provide both a range of retrofitting fixtures and commodity lighting fixtures (Panels, Led, Hi Bay, Batten, Projectors etc.) as well as LED strips and power supply systems and intelligent control systems (Smart Building). Our product improvements are dedicated to making a difference to the lifespan, emission stability over time and full compliance with requested parameters: they may not be visible but it is their effectiveness that interests us. In a world in continuous evolution we manage to maintain control over production and the choice of components to produce products with a quality/price ratio that can meet the different needs of the market.







## Custom-made products

The majority of products distributed worldwide are those that appear in catalogues that are differentiated according to reference markets. Yet it is custom-made products that give us the most satisfaction and allow us to put into practice all our expertise and technical ability... To satisfy particular requests from specifiers, lighting designers and architects we are able to provide 'custom-made' products, engineered, designed and built with the care a tailor puts into a made to measure shirt...



## Where can you find us?

In many areas Duralamp is present with direct sales representatives able to propose solutions and provide technical support for the choices made by Specifiers. The company can also rely on a network of Distributors who manage their respective local markets with stock and pre-sales and after-sales services. This extensive and varied commercial network is a real asset that complements the international structure of the various branches in the Group. The network Duralamp operates through is really extensive and allows them to participate actively and effectively in projects in different countries around the world, in Europe, the USA, South America and the Far East.



More details on [www.duralamp.it](http://www.duralamp.it)



## Why choose Duralamp

Duralamp has a great advantage: a streamlined and flexible structure ready to study technology to improve existing solutions or discover new ones. Four decades of first-hand experience in production sites in China, an onsite engineering team, constant research into the most suitable materials, the most effective industrial processes, monitoring and controlling all production processes and cutting edge technology in our production sites both in Italy and abroad... all allow us to provide the expertise that has allowed us to successfully conclude high-level projects around the world. Of course in addition to daily operations that are subject to ISO 9001 Certification Quality Standards.



All Duralamp products conform to all European Directives and where required have obtained Quality and Safety marks from other countries:







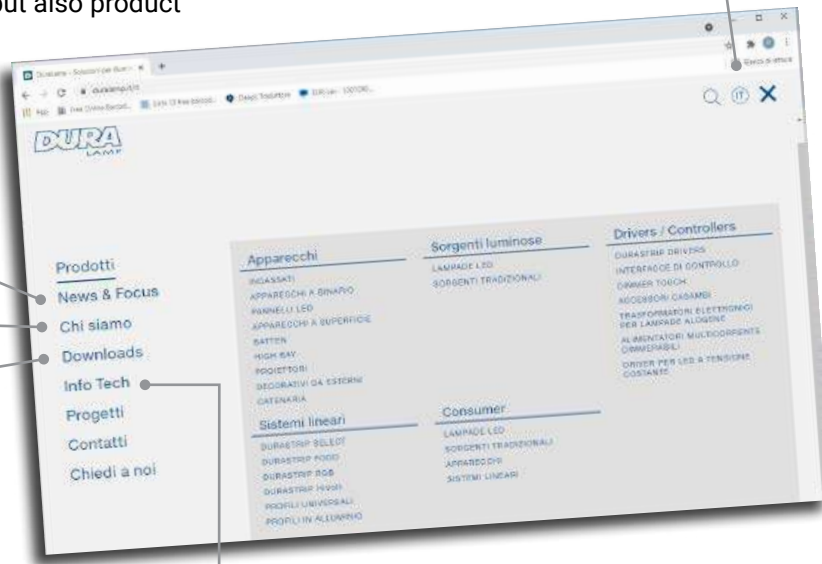
We have built a site with a **simple and intuitive structure**: to find the **information you are looking for immediately!**

**Discover the tools** that customers, specifiers, lighting designers and the worldwide sales network need to be convincing and successful in the way that suits us best: **with fairness and transparency.**

the website and datasheets are available in **English, French, Spanish and German\***.

not only news but also product insights

our identity



Catalogue and website icons

Scientific explanations on the colour of light and its codings



direct access to the collection of all available photometric files interesting insights

interesting insights

warranty specifications for LED products

Product certifications  
Duralamp Quality Certifications

RoHS compliance

The consortium in charge of of which we are a member

How to dispose of lamps containing mercury...

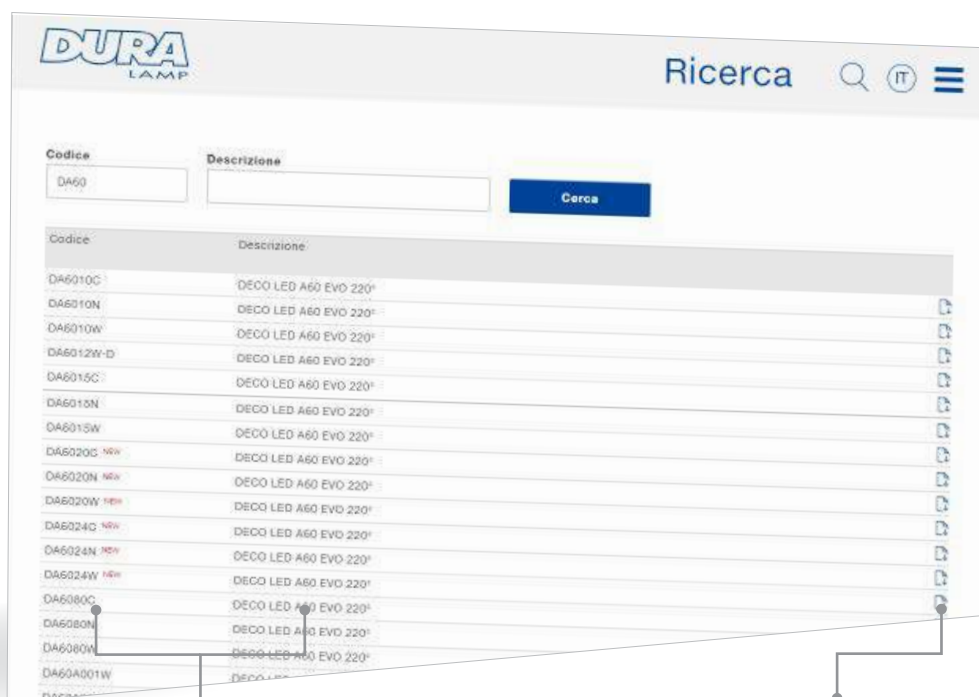
responsive' site: perfect usability even from mobile phones



\* the pages photographed here are in Italian for typographical reasons only.

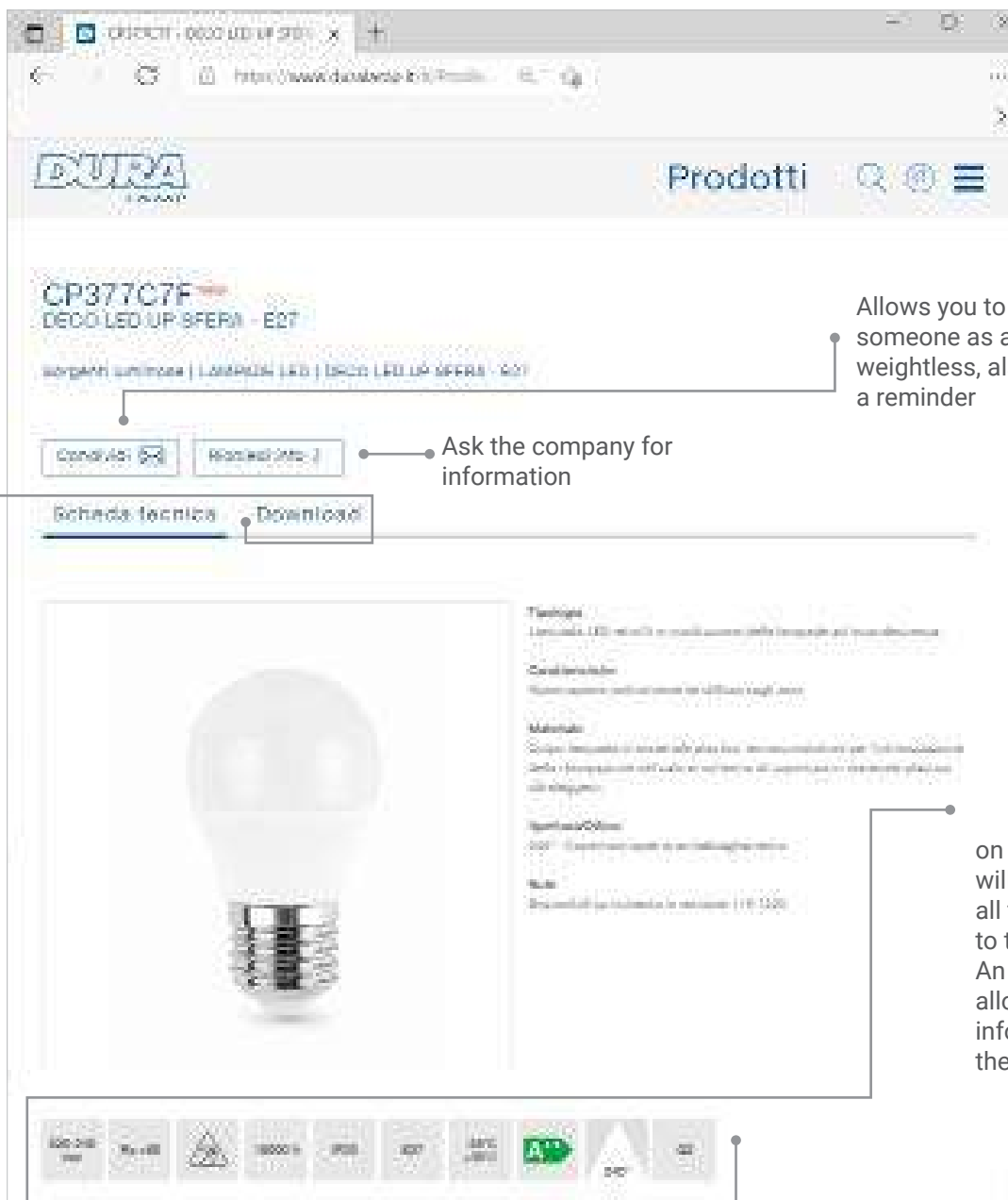


new products are clearly indicated, as well as those that have had a technical update



click on the code or the description to enter the product page

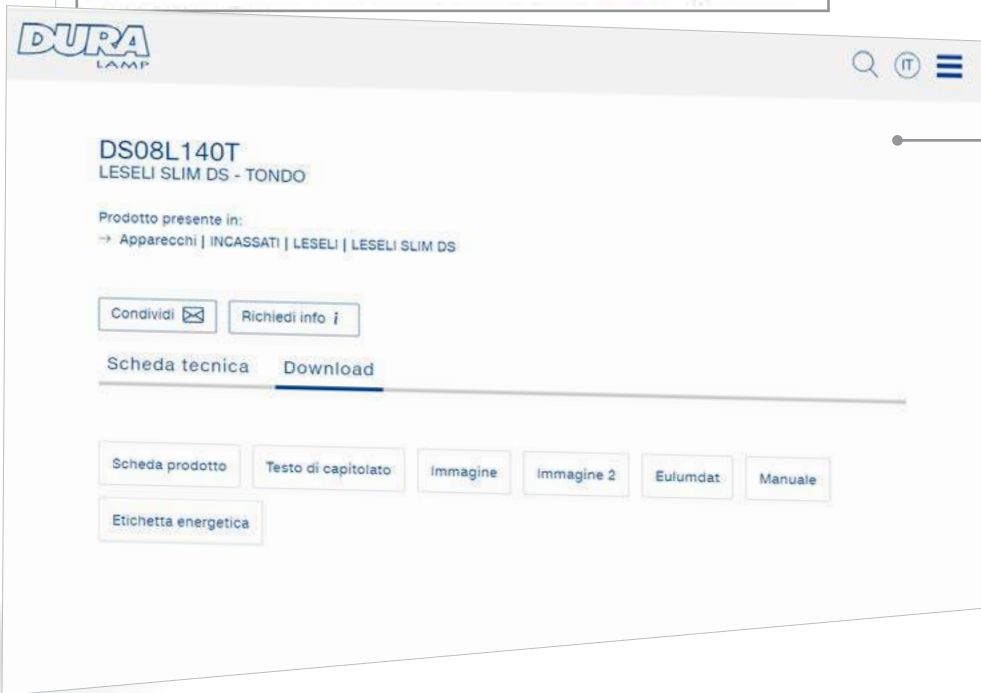
click on the file icon to download the data sheet directly.



Allows you to send the page to someone as a link, therefore weightless, also to their e-mail as a reminder

Ask the company for information

on the product page you will find the description and all technical data relating to that product type. An iconographic part allows you to have some info 'in sight' and then find the details further down.



In the Download section you can download\*:

- Product sheet
- Specification text in two formats
- Product images
- Eulumdat
- Instruction manual
- Energy label

Other Tech Info if needed for the product (e.g. dimmer switch that can be used etc.)

\*If available on the product





re-think<sup>4R</sup>  
Reduce  
Re-use  
Recycle



# Green Quest - a journey towards environmentally friendly methods and processes

## A 'green' mindset cannot be improvised.

At Duralamp, we have been working every day for decades to make our products ALWAYS MORE EFFICIENT, for real energy savings that can be seen from the very first days of use.

Energy saving is a fundamental point, but equally important are optimisations aimed at limiting the consumption of non-renewable raw materials. The right balance between product quality and the careful choice of raw materials, the weight and consistency of plastic materials where irreplaceable, the rationalisation of work processes aimed at reducing consumption in production, improving the environment and the lives of people working. Greater efficiency at all stages of processing to reduce the energy consumption needed to obtain the same result while avoiding waste: we are constantly working in this direction.

A battle fought chip by chip and shipment by shipment to improve the environment in which we all live.

**Because the future is now.**

# We have chosen.




to engage at various levels:

- Corporate**
  - Optimization achieved thanks to the new Group Data Centre
  - Use of paper from FCC Forests for catalogue printing
  - Separate collection at all levels, recycling and reuse wherever possible: the pillars of the green economy!
- Product**
  - Use of recyclable raw materials: commitment to increase their up to 90% of the components.
  - Packaging made from 70% recycled paper.
  - External packaging from FSC forests.
  - Study of products that go beyond the concept of disposable equipment, returning to a wise concept of equipment to be reused, to reduce the consumption of materials and allow the use of products over time.

## we have also chosen to act on...

packaging. Packaging is one of the highest volume of 'wasted' materials, and therefore a commitment, for municipalities around the world.

## The ECO packaging programme of Duralamp has:

- ✓ totally eliminated plastic film on pallets in favour of  recyclable film
- ✓ replaced plastic adhesive tape in favour of  paper tape
- ✓ eliminated plastic protection pads in favour of recycled paper  recycled paper filling material





\* Polystyrene and PVC fillers have been phased out, with rare exceptions.

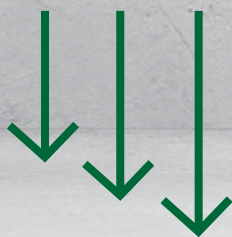


We have chosen...

to 'rethink' how we produce our products. The right direction is to have more and more items built for long life use, that can be used again and again, and again...



**RETHINK**



**REDUCE**

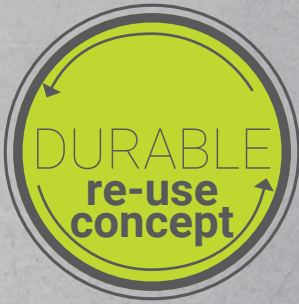


**REUSE**



**RECYCLE**





Replaceable lamp luminaires are

perfect for re-use and reduces the amount of materials needing to be disposed of

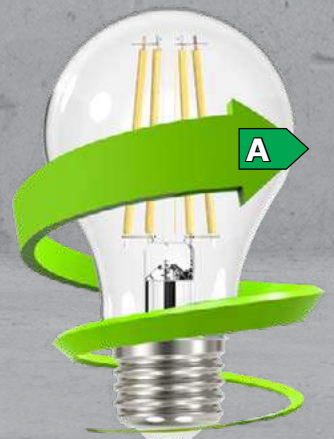
Previously unimagined lumen/watt efficiencies allow lamps to

significantly reduce energy consumption



Highly popular lamps with exceptionally long service lives means

investing in technology for the benefit of the ecosystem





# DURALAMP and the GREEN packaging revolution:

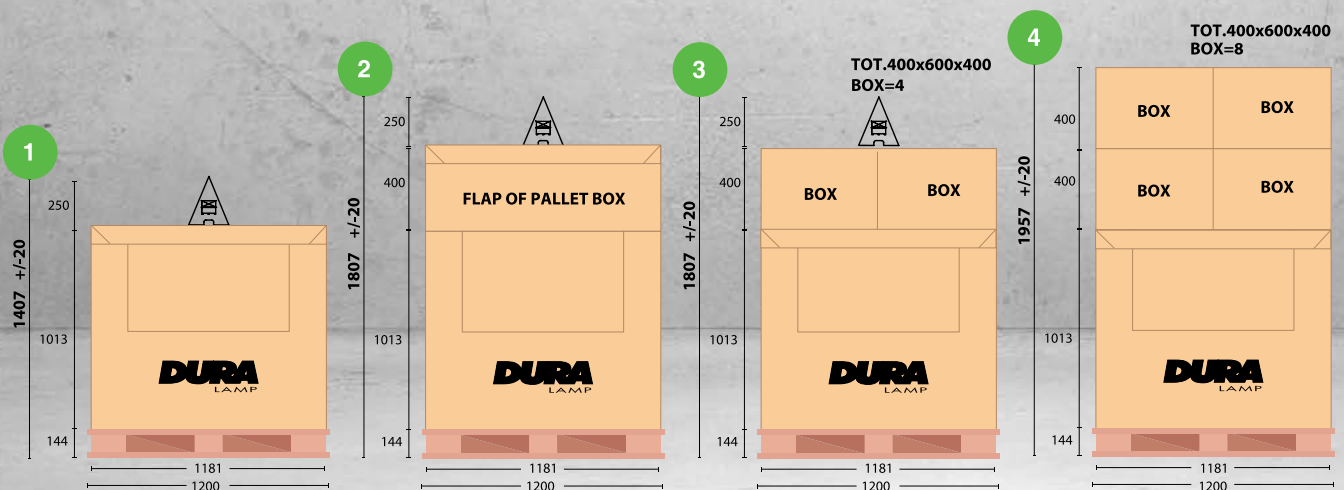
**DURALAMP contributes to a cleaner world ...  
while ensuring safer shipments.**

Together with a leading company specialized in paper packaging, we studied some packaging solutions that guarantees a safer shipments of our products, while pursuing our desire to actively contribute to the elimination of plastic materials in favor of recyclables.

The 120x80 pallets packaging includes a high cardboard box, SUPERBOX, with central loading; a 'hood' in compostable material\* to replace the shrink plastic film, and a strap, instead of the plastic adhesive tape.

With this new palletization, products with a height of up to 170 cm (e.g. tubes) will be shipped vertically, fully protected inside a package complete with a robust closing cap. To better protect shipments, 'no overlapping triangles' will be placed on all pallets less than 2 meters high to prevent other goods to be stocked on top and risking to damage our products.

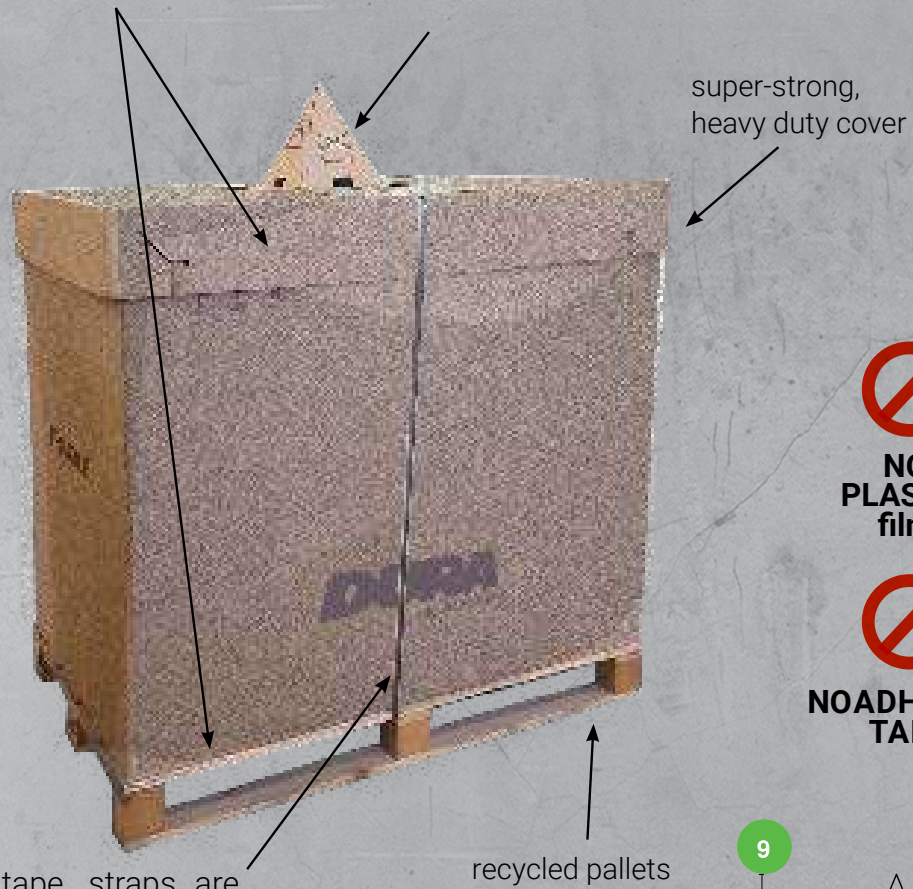
SUPERBOX: The standard height is 1 meter but there are many packaging options...





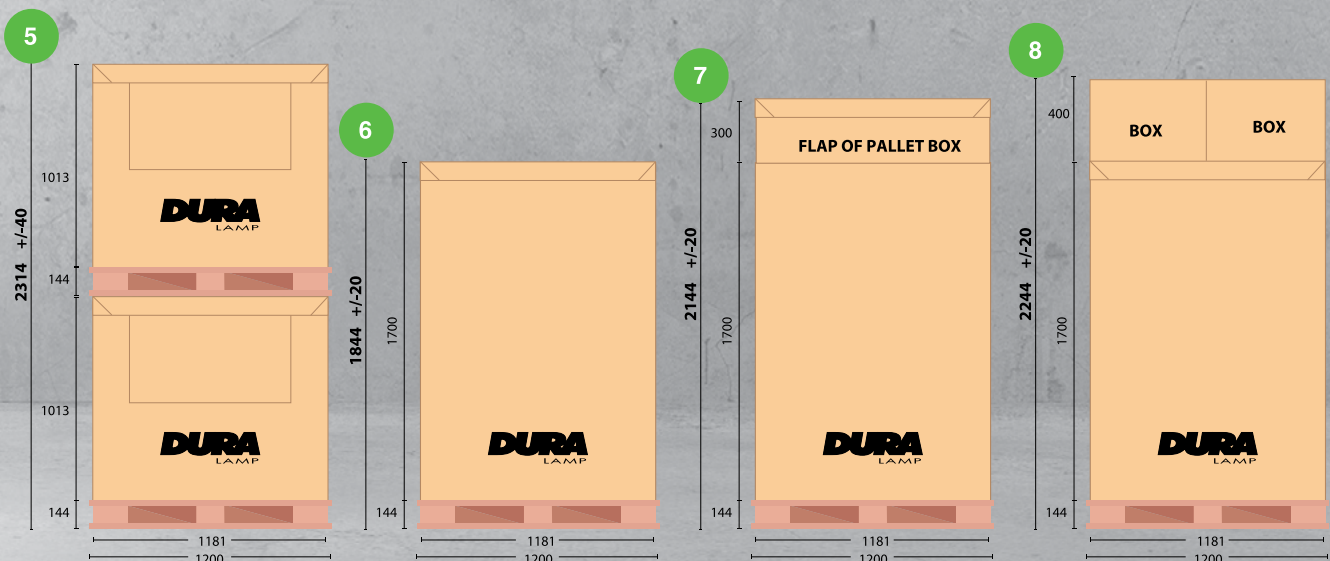
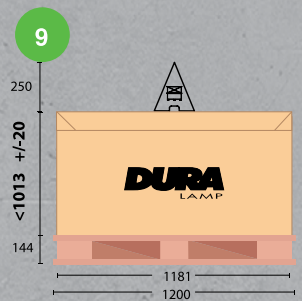
protective cap made of compostable and biodegradable material\*: replaced heat-shrinkable plastic film saving kilometres of plastic per year

'no overlapping triangles' will be placed on all pallets less than 2 meters high to prevent other goods to be stocked on top and risking to damage our products.



compared to tape, straps are less in quantity and allow correct paper recycling

recycled pallets



\* Compliant with EN13432 with OK COMPOST certificate n. TA8011400928, issued by TUV Austria on 13/08/2018.







# LED TABLE LAMP

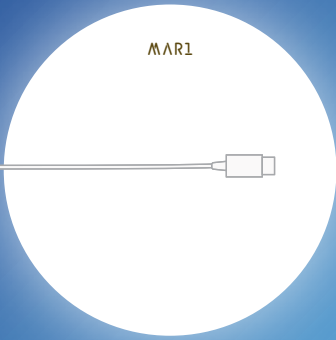
NEW



PLUS  
MARAMA



MARAMA



MARAMA

# MARAMA

## TYPE

LED table lamp, dimmable and cordless.  
Elegant and essential design, perfect for both modern and classical settings.  
Light directed downwards.

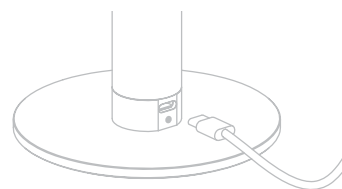
## CHARACTERISTICS

Marama is produced in two versions, both dimmable: warm colour temperature (3000K) and changing the temperature of the light from warm to natural (1800K-4000K).  
Marama is operated by a touch on the top of the diffuser: the touch activates on/off and light intensity.  
Models with a choice of colour temperature, the same 'touch' allows you to select the desired temperature.

Battery: battery life of up to 12 hours at full light output and up to 5 days at the lowest output.  
Equipped with large capacity 6600mAh rechargeable lithium battery.  
Charger USB C not included.  
Battery charging time: 5~6 hours.

## MATERIALS

Powder-coated aluminium; frosted polycarbonate screen.

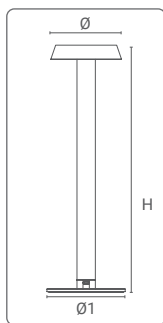


PLUS	5V DC	Ra>90		50000h L70 B20	IP53	-25° +45°C		G3	Risk Group 0
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art.	W	K	Ø	Ø1	H		8011905		
MAR13000DIMWH	2		3000	100	120	350	850	988111	10
MAR13000DIMCO	2		3000	100	120	350	850	988128	10
MAR13000DIMBL	2		3000	100	120	350	850	988104	10
MAR11840CCTWH	2		1800-4000	100	120	350	850	988159	10
MAR11840CCTBL	2		1800-4000	100	120	350	850	988166	10



art	L	L1	H	8011905	
New ZK-MAR1-8P USB Multicharger 8 port	130	65	26	003616	1

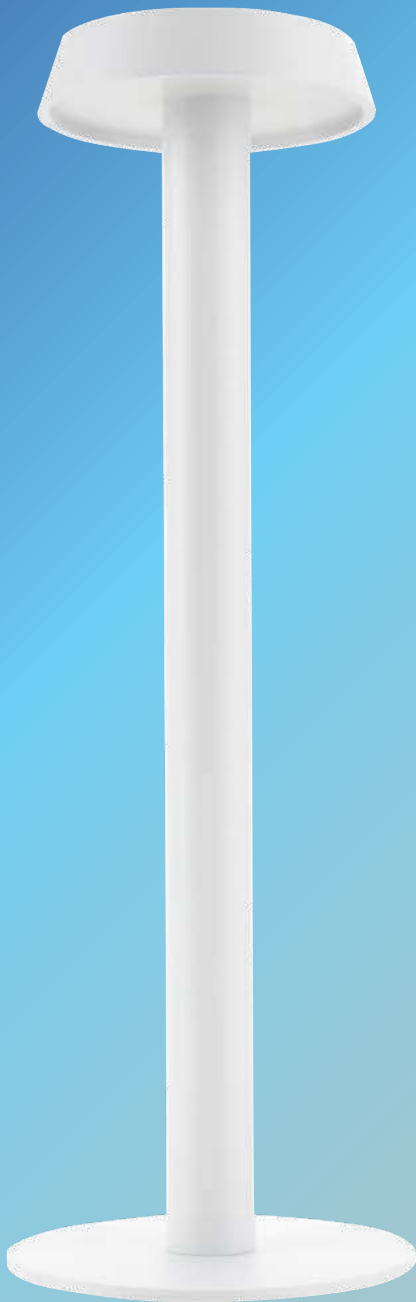
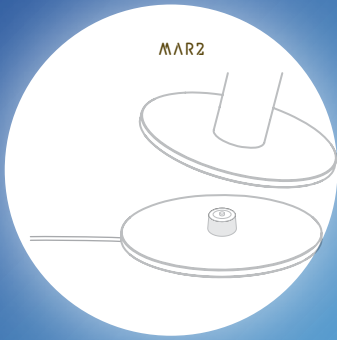


SEE MARAMA'S STORY





# MARAMA



# MARAMA

# MARAMA WITH CHARGING BASE

## TYPE

LED table lamp, dimmable and cordless.  
Elegant and essential design, perfect for both modern and classical settings.  
Light directed downwards.

## CHARACTERISTICS

Marama is produced in three versions, all dimmable: warm colour temperature (3000K) and changing the temperature of the light from warm to natural (1800K-4000K).

Marama is operated by a touch on the top of the diffuser: the touch activates on/off and light intensity.

Models with a choice of colour temperature, the same 'touch' allows you to select the desired temperature.

Battery: battery life of up to 12 hours at full light output and up to 5 days at the lowest output.

Equipped with large capacity 6600mAh rechargeable lithium battery.

Base de chargement incluse.

Battery charging time: 5~6 hours.

## MATERIALS

Powder-coated aluminium; frosted polycarbonate screen.



Touch



MAR2 models are built to be charged only with their own base, a good deterrent for those who want steal it! Simply place the lamp on the base to start charging.

PLUS	5V DC	Ra>90		50000h L70 B20	IP53	-25° +45°C		G3	Risk Group 0
------	-------	-------	--	----------------	------	------------	--	----	--------------

art.	W	K	Ø	Ø1	H		8011905		
New MAR23000DIMWH	2		3000	100	120	335	1000	994327	10
New MAR23000DIMCO*	2		3000	100	120	335	1000	994334	10
New MAR23000DIMBL	2		3000	100	120	335	1000	994310	10
New MAR21840CCTWH	2		1800-4000	100	120	335	1000	994341	10
New MAR21840CCTCO*	2		1800-4000	100	120	335	1000	994365	10
New MAR21840CCTBL	2		1800-4000	100	120	335	1000	994358	10

\* Only by order

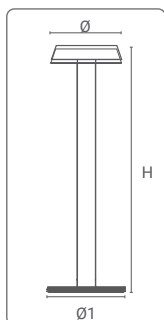


art	L	L1	H	8011905	
New ZK-MAR6P 6 Contact Charging Base	510	270	60	994433	1



## professional recharging with with 6 stations base:

The multiple base allows 6 lamps to be charged at the same time: up to 7 multi-bases can be connected in series. Perfect for teh hospitality sector.



SEE MARAMA'S STORY



# DOWNLIGHTS

## THE FUNDAMENTALS



### BASIC

#### LESELI SC

Diffuse lighting, 4 sizes, 3 light colours for each, 110° wide beam: a range that meets all requirements up to 2600 lumens of real output.



### PRO

#### HELIOS UGR + FLOOD

The HELIOS UGR range, luminaires with recessed source: a wide choice in the UGR version. Two luminaires in one with the 80° lens option: one luminaire, several optical solutions.



## LOW THICKNESS



### BASIC

#### LESELI DS SLIM

Low-thickness is the requirement? Multiple solutions: BASIC with LESELI SLIM DS, in round or square versions.



### PRO

#### RTF100

PRO with the new RTF 100 range: finned aluminium body, choice of power in the two shapes, round and square, and long service life, 50,000h.

## PRACTICALITY OF MANAGEMENT



**BASIC**

**LESELI  
CCT**

The choice of colour temperature from the driver - 3000K / 4000K / 6000K - allows a significant reduction in stock!  
Also in IP65 PRO version.

**NEW**



**PRO**

**RTF CCT  
IP65**

**NEW**

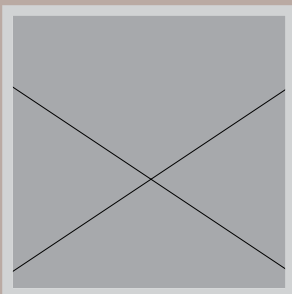


**PRO**

**REFL CCT**

A recessed IP65 and UGR luminaire, in 3 sizes and 4 wattages, with selectable colour temperature from the driver (CCT).

## SPOT LED 2"



**BASIC**

**VALO MINI**



**PRO**




**LESELI MINI PRO**

Two ranges, BASIC and PRO, to meet 'cut hole' requirements: all adjustable, plus a dimmable option. Essential design that can be used anywhere as a replacement for the old MR16.






# LOOKING FOR A DOWNLIGHT?

↓ ↓ Items ordered by cut hole size

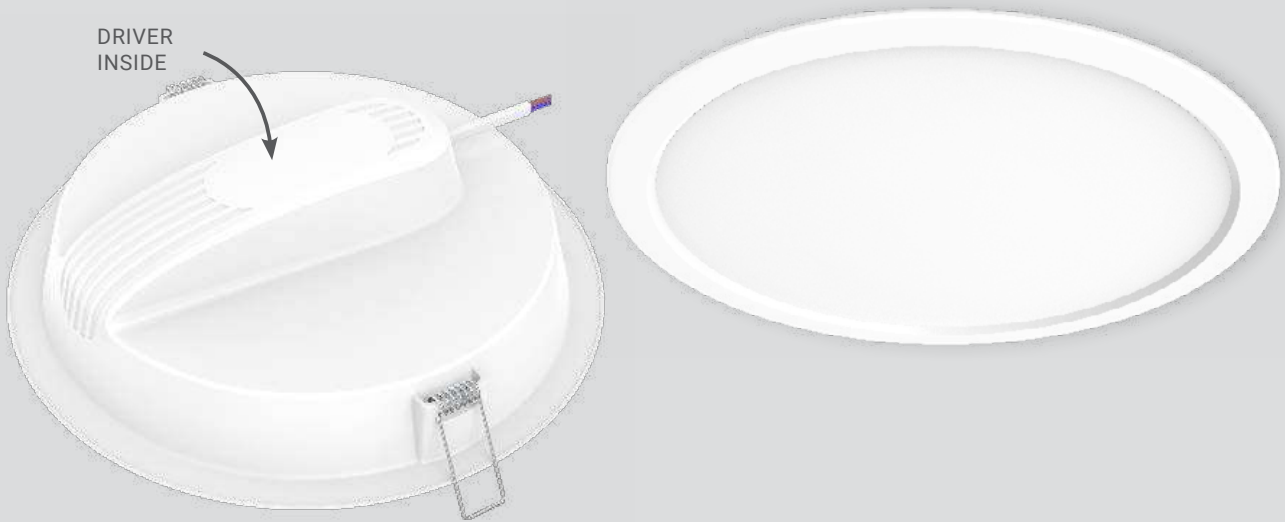
	art.	W	lm	Kelvin		Info	Driver	Ra			Page
PRO	DH25L130	9	850	3000K	36°	UGR	E	>90	65		49
PRO	DH25L140	9	850	4000K	36°	UGR	E	>90	65		49
PRO	D306TNW	8	680	4000K	36°			>80	68		51
PRO	D306TNW-D	9	575	4000K	36°			>95	68		51
PRO	RTF03L130T	7	600	3000K	110°		E	>90	75		45
PRO	RTF03L140T	7	630	4000K	110°		E	>90	75		45
PRO	RTF03L160T	7	660	6500K	110°		E	>90	75		45
PRO	RTF03L130Q	7	630	3000K	110°		E	>90		75x75	45
PRO	RTF03L140Q	7	665	4000K	110°		E	>90		75x75	45
PRO	RTF03L160Q	7	700	6500K	110°		E	>90		75x75	45
PRO	RTF03L2EXCCT	7	700	3/4/6000K	100°	IP65	E	>90	85		43
PRO	DR03L1-CCT	12	1100	3/4/6000K	55°	IP20	E	>90	90		47
PRO	DH40L130	14	1450	3000K	36°	UGR	E	>90	100		49
PRO	DH40L140	14	1450	4000K	36°	UGR	E	>90	100		49
PRO	RTF04L130T	14	1195	3000K	110°		E	>90	120		45
PRO	RTF04L140T	14	1260	4000K	110°		E	>90	120		45
PRO	RTF04L160T	14	1325	6500K	110°		E	>90	120		45
PRO	RTF04L130Q	14	1260	3000K	110°		E	>90		120x120	45
PRO	RTF04L140Q	14	1325	4000K	110°		E	>90		120x120	45
PRO	RTF04L160Q	14	1390	6500K	110°		E	>90		120x120	45
PRO	RTF04L2EXCCT	14	1400	3/4/6000K	100°	IP65	E	>90	120		43
PRO	DR04L2-CCT	20	1800	3/4/6000K	55°	UGR	E	>90	125		47
PRO	DH60L130	28	2800	3/4000K	36°	UGR	E	>90	150		49
PRO	DH60L140	28	2800	4000K	36°	UGR	E	>90	150		49
PRO	RTF08L130T	24	2185	3000K	110°		E	>90	195		45
PRO	RTF08L140T	24	2300	4000K	110°		E	>90	195		45
PRO	RTF08L160T	24	2415	6500K	110°		E	>90	195		45
PRO	RTF08L130Q	24	2185	3000K	110°		E	>90		195x195	45
PRO	RTF08L140Q	24	2300	4000K	110°		E	>90		195x195	45
PRO	RTF08L160Q	24	2415	6500K	110°		E	>90		195x195	45
PRO	DR04L1-CCT	30	2760	3/4/6000K	55°	UGR	E	>90	125		47
PRO	RTF08L2EXCCT	32	3200	3/4/6000K	100°	IP65	E	>90	200		43
PRO	DH80L130	37	3700	3000K	36°	UGR	E	>90	200		49
PRO	DH80L140	37	3700	4000K	36°	UGR	E	>90	200		49
PRO	DR08L1-CCT	50	4600	3/4/6000K	55°	UGR	E	>90	200		47



									↓	↓	Items ordered by cut hole size
	art.	W	lm	Kelvin		Info	Driver	Ra			Page
BASIC	VA03L130T	7	620	3000K	40°			>80	72		50
BASIC	VA03L140T	7	650	4000K	40°			>80	72		50
BASIC	DS04L130T	6	310	3000K	120°		E	>80	105		41
BASIC	DS04L140T	6	330	4000K	120°		E	>80	105		41
BASIC	DS04L160T	6	350	6000K	120°		E	>80	105		41
BASIC	DS04L130Q	6	310	3000K	120°		E	>80		105x105	41
BASIC	DS04L140Q	6	330	4000K	120°		E	>80		105x105	41
BASIC	DS04L160Q	6	350	6000K	120°		E	>80		105x105	41
BASIC	DT40L1CCT	12	1200	3/4/6000K	110°		E	>80	125		39
BASIC	DT40L130	12	1000	3000K	110°			>80	150		37
BASIC	DT40L140	12	1050	4000K	110°			>80	150		37
BASIC	DT40L160	12	1050	6000K	110°			>80	150		37
BASIC	DT80L130	22	2000	3000K	110°			>80	195		37
BASIC	DT80L140	22	2050	4000K	110°			>80	195		37
BASIC	DT80L160	22	2050	6000K	110°			>80	195		37
BASIC	DT80L1HP30	30	2600	3000K	110°		E	>80	195		37
BASIC	DT80L1HP40	30	2600	4000K	110°		E	>80	195		37
BASIC	DT80L1HP60	30	2050	6000K	110°		E	>80	195		37
BASIC	DT80L1CCT	22	2200	3/4/6000K	110°		E	>80	200		39
BASIC	DT80L1CCTHP	30	3000	3/4/6000K	110°		E	>80	200		39
BASIC	DS08L130T	18	1230	3000K	120°		E	>80	203		41
BASIC	DS08L140T	18	1300	4000K	120°		E	>80	203		41
BASIC	DS08L160T	18	1360	6000K	120°		E	>80	203		41
BASIC	DS08L130Q	18	1230	3000K	120°		E	>80		203x203	41
BASIC	DS08L140Q	18	1300	4000K	120°		E	>80		203x203	41
BASIC	DS08L160Q	18	1360	6000K	120°		E	>80		203x203	41
BASIC	D41540SL2	6	420	4000K	120°		E	>80	208		41
BASIC	DS10L130Q	24	1710	3000K	120°		E	>80		277x277	41
BASIC	DS10L140Q	24	1800	4000K	120°		E	>80		277x277	41
BASIC	DS10L160Q	24	1890	6000K	120°		E	>80		277x277	41
BASIC	DS10L130T	24	1710	3000K	120°		E	>80	280		39
BASIC	DS10L140T	24	1800	4000K	120°		E	>80	280		39
BASIC	DS10L160T	24	1890	6000K	120°		E	>80	280		39

E = remote driver

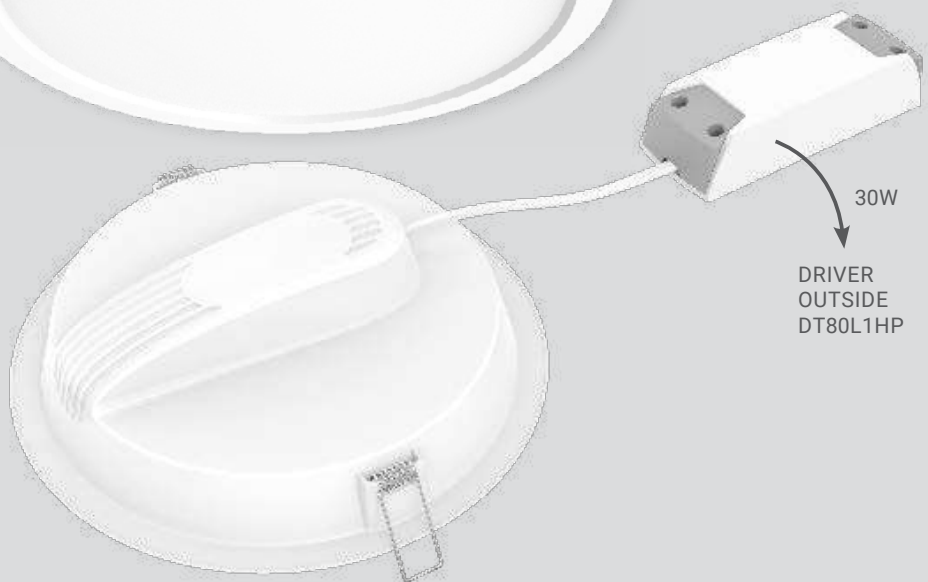
# LESELI DOWNLIGHT SC



12W  
Ø150mm



22W/30W  
Ø195mm



## REAL LUMENS

Luminous Flux Data is REAL. Values are measured on actual use conditions. Nominal values of the LED source are not stated.

# LESELI DOWNLIGHT SC

## TYPE

LED source with SMD technology and high efficiency chip integrated into a recessed luminaire. Built-in driver, except on code DT80L1HP with external driver.

## CHARACTERISTICS

Soft satin effect polycarbonate anti-glare diffuser.  
Flicker Free.

## MOUNTING

Complete with springs for easy fastening into false ceilings. Cable (1 m) with IP65 quick connector.






## MATERIALS

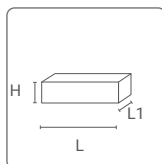
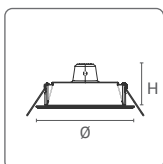
Thermally conductive body; extremely light and manageable.

**FLICKER  
FREE** 

Providing greater visual comfort, improved definition of detail and reduction of stress.

BASIC	220-240V 50/60Hz	Ra>80		25000h L70 B20	IP20 VI IP43 VO		-25° +35°C		G3	Risk Group 1
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art.	W	lm	cd	K	PF		Ø	H			 8011905	
DT40L130	12	1000	350	3000	0,9	110°	166	54	150	129	984328	20
DT40L140	12	1050	365	4000	0,9	110°	166	54	150	129	984335	20
DT40L160	12	1050	365	6000	0,9	110°	166	54	150	129	984342	20
DT80L130	22	2000	700	3000	0,9	110°	216	58	195	258	984359	10
DT80L140	22	2050	715	4000	0,9	110°	216	58	195	258	984366	10
DT80L160	22	2050	715	6000	0,9	110°	216	58	195	258	984373	10
DT80L1HP30	30	2600	910	3000	0,9	110°	216	58	195	342	984465	10
DT80L1HP40	30	2600	910	4000	0,9	110°	216	58	195	342	984403	10
DT80L1HP60	30	2600	910	6000	0,9	110°	216	58	195	342	984410	10



### DRIVER DT80L1HP:

L= 124 mm  
L1= 45 mm  
H= 30 mm

For photometries please consult the website.



# LESELI DOWNLIGHT CCT



110°



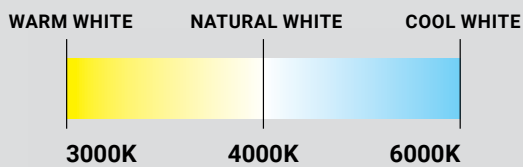
12W

Ø125mm



22W/30W

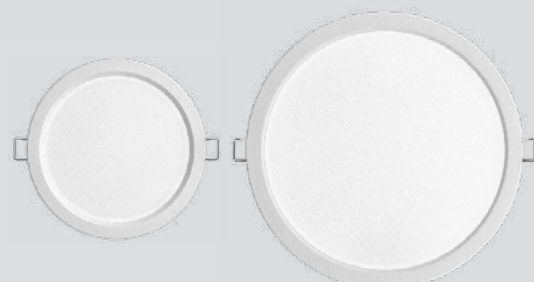
Ø200mm



SWITCH

## REAL LUMENS

Luminous Flux Data is REAL. Values are measured on actual use conditions. Nominal values of the LED source are not stated.



Ø 140 MM

Ø 216 MM

# LESELI DOWNLIGHT CCT

## TYPE

LED source with SMD technology and high efficiency chip integrated into a recessed luminaire. Luminaire with the possibility of selecting the colour temperature of installation.

## CHARACTERISTICS

Soft satin effect polycarbonate anti-glare diffuser.

Remote power supply equipped with a dip-switch to select the colour temperature.

Flicker Free.

## MOUNTING

Complete with springs for easy fastening into false ceilings. Cable (1 m) with IP65 quick connector.






## MATERIALS

Thermally conductive body; extremely light and manageable.

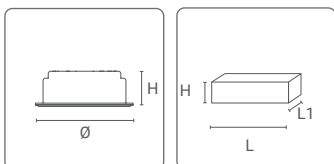
**FLICKER  
FREE** 

Providing greater visual comfort, improved definition of detail and reduction of stress.

BASIC	220-240V 50/60Hz	Ra>80		25000h L70 B20	IP20 VI IP43 VO		-25° +35°C		G3	Risk Group 1
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art.	W	lm	cd	K	PF		Ø	H			 8011905	
DT40L1CCT	12	1200 <sup>(1)</sup>	430	3000-4000-6000	0,5	110°	140	54	125	96	955441	30
DT80L1CCT	22	2200 <sup>(1)</sup>	770	3000-4000-6000	0,5	110°	216	58	200	214	953133	10
DT80L1CCTHP	30	3000 <sup>(1)</sup>	1050	3000-4000-6000	0,9	110°	216	58	200	214	953126	10

<sup>(1)</sup> The lumen and power data indicated refers to the 4000K colour temperature.



**DRIVER:**  
L= 97.9 mm  
L1= 45 mm  
H= 24 mm

For photometries please consult the website.

# LESELI SLIM DS



120°



6W

Ø105mm



18W

Ø203mm



24W

Ø280mm



6W

105x105mm



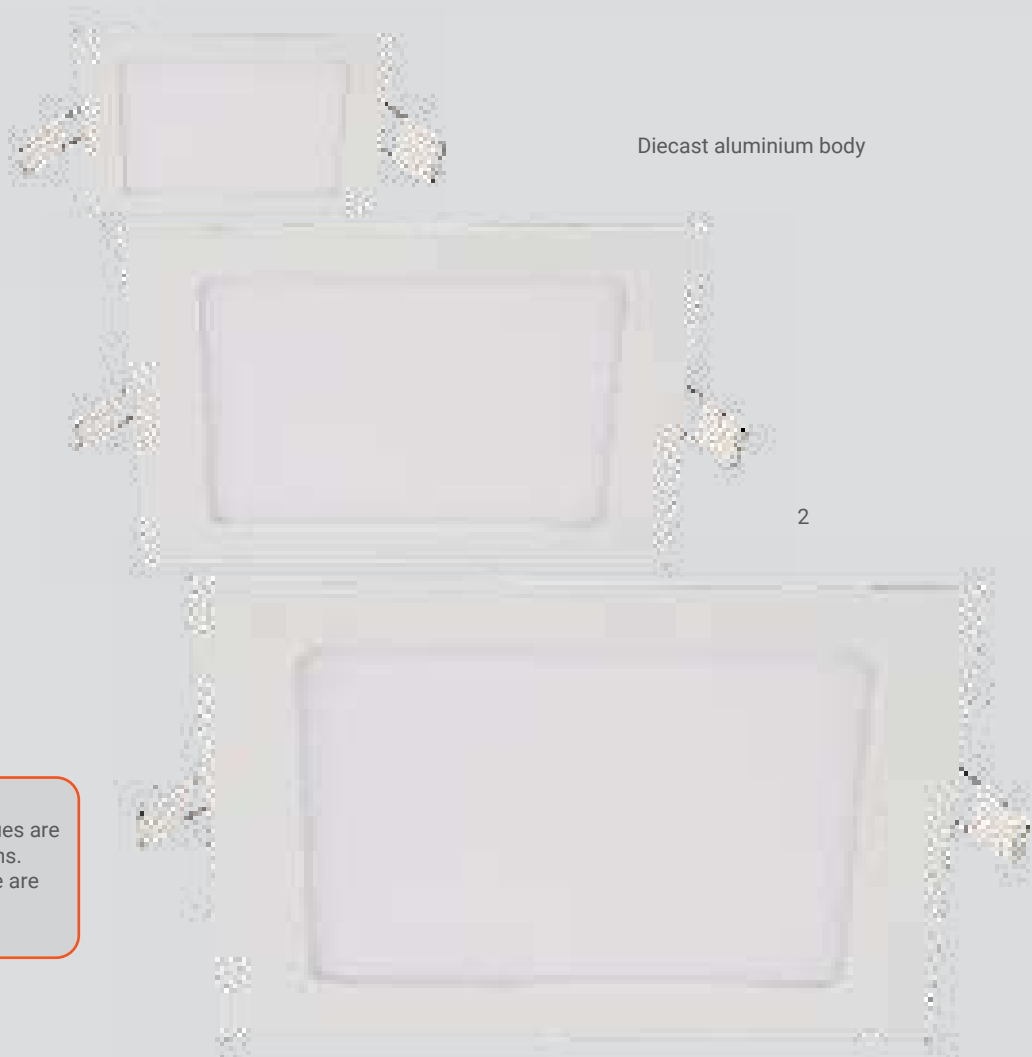
18W

203x203mm



24W

277x277mm



Diecast aluminium body

## REAL LUMENS

Luminous Flux Data is REAL. Values are measured on actual use conditions. Nominal values of the LED source are not stated.



# LESELI SLIM DS

## TYPE

Ultra slim LED downlights with SMD technology and a high-efficiency chip.

## CHARACTERISTICS

Downlights with extremely limited thickness and remote driver.

## MOUNTING

Complete with springs for easy fastening into false ceilings.

## MATERIALS

High dissipation die-cast aluminum body with anti-yellowing PC screen. Extremely lightweight for use in any false ceilings.



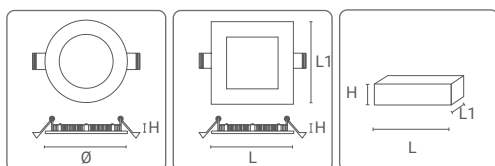
**FLICKER FREE**

Providing greater visual comfort, improved definition of detail and reduction of stress.

BASIC	220-240V 50/60Hz	Ra>80		15000h L70 B20	IP20 VI IP43 VO		-25° +35°C		G2	Risk Group 0
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art.	Photo	W	lm	cd	K	PF		∅	H				8011905	
DS04L130T	1	6	310	88	3000	0,5	120°	120	8,5	105	110		954871	40
DS04L140T	1	6	330	93	4000	0,5	120°	120	8,5	105	110		954888	40
DS04L160T	1	6	350	99	6000	0,5	120°	120	8,5	105	110		954895	40
DS08L130T	1	18	1230	340	3000	0,5	120°	225	8,5	203	280		954901	20
DS08L140T	1	18	1300	360	4000	0,5	120°	225	8,5	203	280		954918	20
DS08L160T	1	18	1360	378	6000	0,5	120°	225	8,5	203	280		954925	20
DS10L130T	1	24	1710	475	3000	0,5	120°	295	8,5	280	480		954932	10
DS10L140T	1	24	1800	500	4000	0,5	120°	295	8,5	280	480		954949	10
DS10L160T	1	24	1890	525	6000	0,5	120°	295	8,5	280	480		954956	10

art.	Photo	W	lm	cd	K	PF		L	L1	H				8011905	
DS04L130Q	2	6	310	88	3000	0,5	120°	120	120	8,5	105x105	130		954963	40
DS04L140Q	2	6	330	93	4000	0,5	120°	120	120	8,5	105x105	130		954970	40
DS04L160Q	2	6	350	99	6000	0,5	120°	120	120	8,5	105x105	130		954987	40
DS08L130Q	2	18	1230	340	3000	0,5	120°	225	225	8,5	203x203	340		954994	20
DS08L140Q	2	18	1300	360	4000	0,5	120°	225	225	8,5	203x203	340		955007	20
DS08L160Q	2	18	1360	378	6000	0,5	120°	225	225	8,5	203x203	340		955014	20
DS10L130Q	2	24	1710	475	3000	0,5	120°	290	290	8,5	277x277	610		955021	10
DS10L140Q	2	24	1800	500	4000	0,5	120°	290	290	8,5	277x277	610		955038	10
DS10L160Q	2	24	1890	525	6000	0,5	120°	290	290	8,5	277x277	610		955045	10



### DRIVER 6W-18W:

L= 88 mm  
L1= 38 mm  
H= 22 mm

### DRIVER 24W:

L= 99 mm  
L1= 40 mm  
H= 24 mm

For photometries please consult the website.

# RTF DOWNLIGHT CCT



IP65



100°



7W

Ø85mm



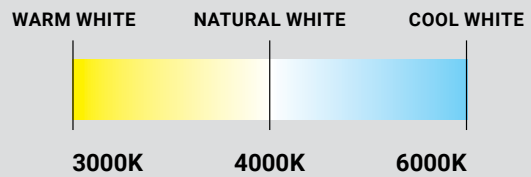
14W

Ø120mm



32W

Ø200mm



SWITCH



## REAL LUMENS

Luminous Flux Data is REAL. Values are measured on actual use conditions. Nominal values of the LED source are not stated.

# RTF DOWNLIGHT CCT

## TYPE

High-efficiency SMD LED sources integrated in an IP65 recessed luminaire, Ra>90, 50000 hours, with selectable temperature colour. The lumen and power data indicated refers to the 4000K colour temperature. Remote driver included.

## CHARACTERISTICS

Family declined in 3 powers and sizes. Dip-switch for colour temperature selection located on the luminaire body. Soft satin effect polycarbonate anti-glare diffuser. Flicker Free.

## MOUNTING

Complete with springs for easy fastening into false ceilings.

## MATERIALS




Die-cast aluminium body.






## APPLICATIONS

Can be used in bathrooms and humid areas.

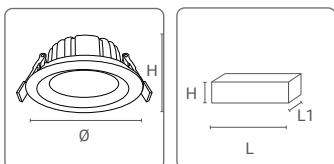
**FLICKER  
FREE** 

Providing greater visual comfort, improved definition of detail and reduction of stress.

PRO	220-240V 50/60Hz	Ra>90		50000h L70 B20	IP65		-25° +35°C		G3	Risk Group 1
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	art.	W	lm	cd	K	PF		Ø	H			 8011905	
New	RTF03L2EXCCT	7	700 <sup>(1)</sup>	310	3000-4000-6000	0,5	100°	100	38	85	242	017767	40
New	RTF04L2EXCCT	14	1400 <sup>(1)</sup>	540	3000-4000-6000	0,5	100°	140	38	120	300	017774	40
New	RTF08L2EXCCT	32	3200 <sup>(1)</sup>	1400	3000-4000-6000	0,9	100°	230	48	200	692	017781	20

<sup>(1)</sup> The lumen and power data indicated refers to the 4000K colour temperature.



**DRIVER:**  
L= 93 mm  
L1= 36 mm  
H= 24 mm

For photometries please consult the website.

**DURA**  
LAMP



# RTF100



110°



**7W**

Ø75mm



**14W**

Ø120mm



**24W**

Ø195mm



1

Diecast aluminium body



**7W**

75x75mm



**14W**

120x120mm



**24W**

195x195mm



2



## REAL LUMENS

Luminous Flux Data is REAL. Values are measured on actual use conditions. Nominal values of the LED source are not stated.

# RTF100

## TYPE

Ultra slim LED downlights with SMD technology and a high-efficiency chip.

## CHARACTERISTICS

Downlights with extremely limited width and remote driver.

## MOUNTING

Complete with springs for easy fastening into false ceilings.

## MATERIALS

High dissipation die-cast aluminum body with anti-yellowing PC screen. Extremely lightweight for use in any false ceilings.

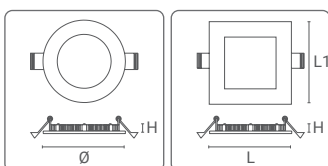


PRO	220-240V 50/60Hz	Ra>90		50000h L80 B20	IP20 VI IP43 VO		-25° +35°C		G5/ h24	Risk Group 0
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art.	Photo	W	lm	cd	K	PF		∅	H				8011905	
RTF03L130T	1	7	600	290	3000	0,5	110°	100	24	75	130	987503	10	
RTF03L140T	1	7	630	305	4000	0,5	110°	100	24	75	130	987510	10	
RTF03L160T	1	7	660	320	6000	0,5	110°	100	24	75	130	987527	10	
RTF04L130T	1	14	1195	585	3000	0,5	110°	145	26	120	208	987534	10	
RTF04L140T	1	14	1260	615	4000	0,5	110°	145	26	120	208	987541	10	
RTF04L160T	1	14	1325	645	6000	0,5	110°	145	26	120	208	987558	10	
RTF08L130T	1	24	2185	965	3000	0,95	110°	225	35	195	423	987565	5	
RTF08L140T	1	24	2300	1015	4000	0,95	110°	225	35	195	423	987572	5	
RTF08L160T	1	24	2415	1065	6000	0,95	110°	225	35	195	423	987589	5	

art.	Photo	W	lm	cd	K	PF		L	L1	H				8011905	
RTF03L130Q	2	7	630	310	3000	0,5	110°	100	100	24	75x75	141	987596	10	
RTF03L140Q	2	7	665	325	4000	0,5	110°	100	100	24	75x75	141	987602	10	
RTF03L160Q	2	7	700	340	6000	0,5	110°	100	100	24	75x75	141	987619	10	
RTF04L130Q	2	14	1260	615	3000	0,5	110°	145	145	26	120x120	226	987626	10	
RTF04L140Q	2	14	1325	645	4000	0,5	110°	145	145	26	120x120	226	987633	10	
RTF04L160Q	2	14	1390	675	6000	0,5	110°	145	145	26	120x120	226	987640	10	
RTF08L130Q	2	24	2185	965	3000	0,95	110°	225	225	26	195x195	550	987657	5	
RTF08L140Q	2	24	2300	1015	4000	0,95	110°	225	225	26	195x195	550	987664	5	
RTF08L160Q	2	24	2415	1065	6000	0,95	110°	225	225	26	195x195	550	987671	5	

DIMMABILITY: RTF100 can be used with multi-current dimming power supply, code DELT40D-M.  
3 HOUR STANDBY LIGHTING. Can be used with Kit: KTEMRO3



For photometries please consult the website.

# REFL DOWNLIGHT CCT IP20



55°



UGR<19



12W  
Ø90mm



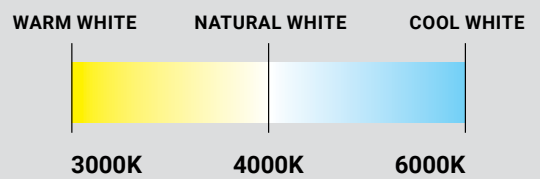
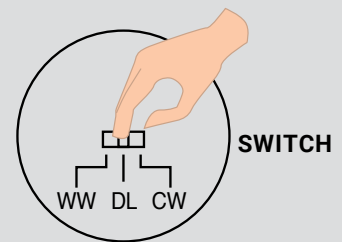
20W-30W  
Ø125mm

Die-cast aluminium body

Remote driver included.



50W  
Ø200mm



**REAL LUMENS**  
Luminous Flux Data is REAL. Values are measured on actual use conditions. Nominal values of the LED source are not stated.

Ø 215MM  
8"

Ø 135MM  
4"

Ø 100MM  
3"



# REFL DOWNLIGHT CCT IP20

## TYPE

High-efficiency COB LED sources integrated in an IP20 recessed luminaire, Ra>90, 50000 hours, with selectable temperature colour. The lumen and power data indicated refers to the 4000K colour temperature. Remote driver included.

## CHARACTERISTICS

Family declined in 4 power ratings and 3 standard sizes. Dip-switch for colour temperature selection located on the luminaire body. Protective diffuser screen. Flicker Free.

## MOUNTING

Complete with springs for easy fastening into false ceilings.






## MATERIALS

Die-cast aluminium body.

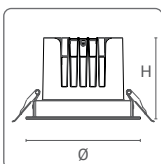
**FLICKER  
FREE** 

Providing greater visual comfort, improved definition of detail and reduction of stress.

PRO	220-240V 50/60Hz	Ra>90		50000h L70	IP20	UGR<19		-25° +45°C		G5/ h24	Risk Group 1
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art.	W	lm	cd	K	PF		Ø	H				8011905	
<b>New</b> DR03L1-CCT	12	1100*	1400	3000-4000-6000	0,5	55°	100	70	90	240	017453	30	
<b>New</b> DR04L2-CCT	20	1800*	3515	3000-4000-6000	0,5	55°	135	96	125	440	325510	12	
<b>New</b> DR04L1-CCT	30	2760*	3515	3000-4000-6000	0,9	55°	135	96	125	440	017460	12	
<b>New</b> DR08L1-CCT	50	4600*	4906	3000-4000-6000	0,9	55°	215	135	200	1040	017477	8	

\*the lumen and power data indicated refers to the 4000K colour temperature.



For photometries please consult the website.

# HELIOS UGR RECESSED FIXTURES




UGR, LOW GLARE, ALUMINIUM BODY, RA >90


Ideal replacement for existing fittings using halogen lamps.

  
**9W**  
Ø65mm




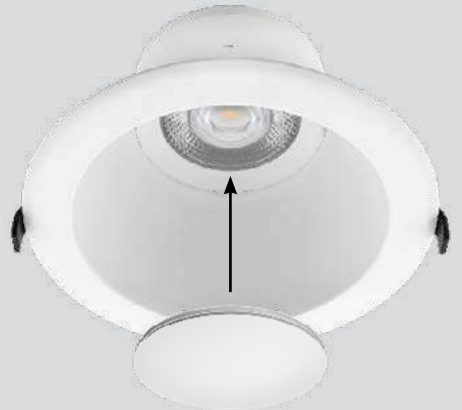
  
**14W**  
Ø100mm



  
**28W**  
Ø150mm



  
**37W**  
Ø200mm



## REAL LUMENS

Luminous Flux Data is REAL. Values are measured on actual use conditions. Nominal values of the LED source are not stated.

# HELIOS UGR RECESSED FIXTURES

## TYPE

LED source with COB technology and an integrated high efficiency chip in a low glare UGR recessed light fixture. Remote driver included.

## CHARACTERISTICS

The deep recess of the light source combined with the advanced lens technology ensures glare ratings from UGR<11 to UGR<19. Applications include offices or places of work where computer screens are used and low glare is essential. A sealed light source provides easy maintenance and cleaning.

## MOUNTING

Quick coupling system to false ceilings using springs.










## MATERIALS

Aluminium body; extremely light and easy to manoeuvre.

**FLICKER FREE** 

Providing greater visual comfort, improved definition of detail and reduction of stress.



PRO	220-240V 50/60Hz	Ra>90		50000h L80 B20	IP20 VI IP43 VO	UGR<11 UGR<13 UGR<15 UGR<19		-25° +45°C		G5/ h24	Risk Group 1	 8011905 	
art.	W	lm	cd	K	PF	UGR		Ø	H			 8011905 	
DH25L130	9	850	1820	3000	0,95	19	36°	82	53	65	80	936792	50
+ KTDH25-LENS	9	750	460	3000	0,95	21	80°						
DH25L140	9	850	1820	4000	0,95	19	36°	82	53	65	80	936808	50
+ KTDH25-LENS	9	750	460	4000	0,95	21	80°						
DH40L130	14	1450	3800	3000	0,95	15	36°	118	60	100	100	936815	50
+ KTDH40-LENS	14	1050	650	3000	0,95	21	80°						
DH40L140	14	1450	3800	4000	0,95	15	36°	118	60	100	100	936822	50
+ KTDH40-LENS	14	1050	650	4000	0,95	21	80°						
DH60L130	28	2800	7250	3000	0,95	11	36°	172	98	150	220	936839	4
+ KTDH60-LENS	28	1900	1100	3000	0,95	21	80°						
DH60L140	28	2800	7250	4000	0,95	11	36°	172	98	150	220	936846	4
+ KTDH60-LENS	28	1900	1100	4000	0,95	21	80°						
DH80L130	37	3700	10300	3000	0,95	13	36°	230	128	200	400	936853	4
+ KTDH80-LENS	37	2700	1700	3000	0,95	21	80°						
DH80L140	37	3700	10300	4000	0,95	13	36°	230	128	200	400	936860	4
+ KTDH80-LENS	37	2700	1700	4000	0,95	21	80°						

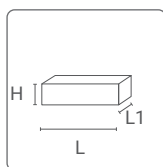
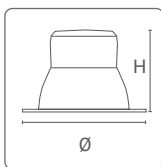
DIMMABILITY: HELIOS UGR 14W/28W and 37W can be dimmed using multi-current dimming power supply, code DELT40D-M; 3 HOUR STANDBY LIGHTING. Can be used with Kit: KTEMRO3



Optional lenses  
art

 8011905 

KTDH25-LENS	Ø 82 Angle Lens 80°	988036	5
KTDH40-LENS	Ø 118 Angle Lens 80°	987992	5
KTDH60-LENS	Ø 172 Angle Lens 80°	988005	5
KTDH80-LENS	Ø 230 Angle Lens 80°	988012	5



**DRIVER 2,5": DRIVER 4": DRIVER 6": DRIVER 8":**  
 L= 100 mm L= 88 mm L= 117 mm L= 117 mm  
 L1= 40 mm L1= 40 mm L1= 43 mm L1= 43 mm  
 H= 25 mm H= 23 mm H= 24 mm H= 24 mm

For photometries please consult the website.



# VALO MINI



## TYPE

Low thickness, small size LED downlights.

## CHARACTERISTICS

Compact and easy to install. Tilt Adjustability 30°. Special design of the lens ensures excellent light beam diffusion. Non removable internal power supply.

## MOUNTING

Complete with springs for easy fastening into false ceilings.

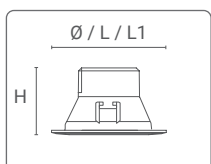
## MATERIALS

Heat resistant, anti-yellowing plastic body.



<b>BASIC</b>	220-240V 50/60Hz	Ra>80		15000h L70 B30	IP20 VI IP23 VO		-25° +35°C		G2	Risk Group 0
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art.	W	lm	cd	K		Ø	H				
VA03L130T	7	620	700	3000	40°	90	40	72	80	8011905	10
VA03L140T	7	650	735	4000	40°	90	40	72	80	987718	10



For photometries please consult the website.

# LESELI MINI PRO

## TYPE

Recessed LED fixtures with integrated drivers.

## CHARACTERISTICS

A orientable optic with a dichroic effect. Tilt Adjustability 30°. The particular design of the lens ensures excellent diffusion of the light beam. Compact and easy to use. Non removable internal power supply. Flicker free.

## MOUNTING

Complete with springs to affix easily into ceilings.

## MATERIALS

Extruded powder coated aluminium body.



## FLICKER FREE

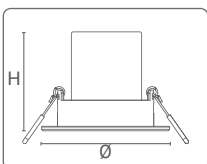
Providing greater visual comfort, improved definition of detail and reduction of stress.

PRO	220-240V 50/60Hz	Ra>80		50000h L70 B20	IP20 VI IP23 VO		-25° +35°C		G5/ h24	Risk Group 1	
art.	W	lm	cd	K		Ø	H				
D306TNW ♦	8	680	1820	4000	36°	85	55	68	182	8011905 941376	20

♦ To be discontinued

PRO	220-240V 50/60Hz	Ra>95		50000h L70 B20	IP20 VI IP23 VO		-25° +35°C		G5/ h24	Risk Group 1	
art.	W	lm	cd	K		Ø	H				
D306TNW-D ♦	9	575	1410	4000	36°	85	55	68	182	8011905 987695	20

♦ To be discontinued



For photometries please consult the website.







# TRACKLIGHT



## PLUS

### DURA BEAM TRACK LIGHT

Essential design, the classic cylinder, perfect in any interior. A best-selling range in the retail sector today with 50,000h lifetime and a new power: 40W, 3700 lumens and 7500 cd.



## PRO

### PROJECTOR DURA TL

Distinctively designed projectors in extruded aluminium. Aperture of 24° on low power and 40° for higher powers. A high-profile range for prestigious installations. 50.000h.



## EUROSTANDARD PLUS

New codes but same options and accessories. The standard track version has been revised to achieve an optimised section and offer an even more elegant profile.



# DURA BEAM - TRACK LIGHT

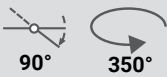


Die-cast painted aluminium body.

Integrated electronic driver.

The graduated ring opens by unscrewing and the lens can be replaced with a click.

Optimised optics for power.

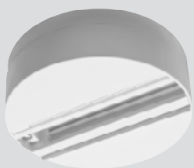


The centre of gravity always remains in axis with the track irrespective of where the projector is aimed.

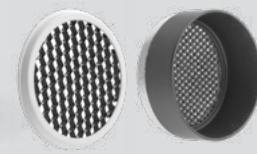
Cylindrical section and very small diameter:  
50 mm 60 mm 80 mm

**12W 20W 30W/40W**

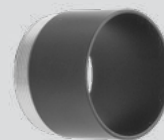
Can be equipped with several 'beam-cutting' accessories to meet different project needs:



**ADAPTER FOR SURFACE INSTALLATIONS**



**ANTI-GLARE LOUVRES**



**CUT OFF**



**ASYMMETRICAL CUT OFF**

# DURA BEAM - TRACK LIGHT

## TYPE

Professional LED projectors for track mounting.

## CHARACTERISTICS

Same shape with 3 different dimensions and 4 power choices to cover all requirements. Can be used with Eurostandard Plus tracks as well as with other brands': Staff, Nordlux, Nordic, Global, etc.

## OPTIC

High efficiency **Ra>90** LED Chip on Board.  
Precision optics with dichroic effect lens.  
Adjustable from 0° to -90° on the vertical plane and 350° on the horizontal plane.

## MATERIALS

Die-cast painted aluminium body; black or white colour.

## MOUNTING

Onto an electrical track in 3 phases; fixtures equipped with a safety lock to fix to the tracks.

## NB

Non Dimmable.

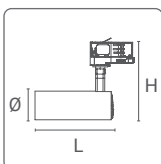
## POWER SUPPLY

Electronic driver integrated in the fixture body.



PLUS	220-240V 50/60Hz	Ra>90		50000h L70 B20	IP20	-25° +35°C		G4	Risk Group 1
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art.	W		lm	cd	K		∅	L	H			
											8011905	
TB50L130-W	12		920	6100	3000	15°	50	136	136	305	936884	20
TB50L140-W	12		990	6600	4000	15°	50	136	136	305	936907	20
TB50L130-B	12		920	6100	3000	15°	50	136	136	305	936891	20
TB50L140-B	12		990	6600	4000	15°	50	136	136	305	936914	20
TB60L130-W	20		1700	3496	3000	36°	60	148	146	394	936921	20
TB60L140-W	20		1800	3700	4000	36°	60	148	146	394	936945	20
TB60L130-B	20		1700	3496	3000	36°	60	148	146	394	936938	20
TB60L140-B	20		1800	3700	4000	36°	60	148	146	394	936952	20
TB80L130-W	30		2500	5670	3000	36°	80	190	166	673	936969	10
TB80L140-W	30		2700	5880	4000	36°	80	190	166	673	936983	10
TB80L130-B	30		2500	5140	3000	36°	80	190	166	673	936976	10
TB80L140-B	30		2700	5550	4000	36°	80	190	166	673	936990	10
TB80L230-W	40		3500	6850	3000	36°	80	200	166	660	984847	10
TB80L240-W	40		3700	7605	4000	36°	80	200	166	660	984854	10
TB80L230-B	40		3500	6850	3000	36°	80	200	166	660	984861	10
TB80L240-B	40		3700	7605	4000	36°	80	200	166	660	984878	10



For photometries please consult the website.

# DURA BEAM - TRACK LIGHT ACCESSORIES



Adapter for surface installations

art		8007753	
B60220	■	309284	1
B60221	□	309277	1



Optional lenses

art		8011905	
KTTB60LENS	Ø 60 - 24° - 10 pcs	937249	1
KTTB80LENS	Ø 80 - 24° - 10 pcs	937256	1



Anti-glare grid

art		8011905	8011905	
KTTB50AGL-B	■ 937010	KTTB50AGL-W	□ 937003	Ø 50 - 5 pcs 1
KTTB80AGL-B	■ 937058	KTTB80AGL-W	□ 937041	Ø 80 - 5 pcs 1



'High' anti-glare grid

art		8011905	8011905	
KTTB50AGL1-B	■ 937072	KTTB50AGL1-W	□ 937065	Ø 50 - 5 pcs 1
KTTB80AGL1-B	■ 937119	KTTB80AGL1-W	□ 937102	Ø 80 - 5 pcs 1



Asymmetric cut off

art		8011905	8011905	
KTTB50ACO-B	■ 937133	KTTB50ACO-W	□ 937126	Ø 50 - 5 pcs 1
KTTB60ACO-B	■ 937157	KTTB60ACO-W	□ 937140	Ø 60 - 5 pcs 1
KTTB80ACO-B	■ 937171	KTTB80ACO-W	□ 937164	Ø 80 - 5 pcs 1



Cut off

art		8011905	8011905	
KTTB50ACO1-B	■ 937195	KTTB50ACO1-W	□ 937188	Ø 50 - 5 pcs 1
KTTB60ACO1-B	■ 937218	KTTB60ACO1-W	□ 937201	Ø 60 - 5 pcs 1
KTTB80ACO1-B	■ 937232	KTTB80ACO1-W	□ 937225	Ø 80 - 5 pcs 1



## **DURASTRIP**

Real Plaza Puruchuco Shopping Mall, Lima, Peru  
Lighting design by Rie Sakata



# DURA TL - TRACK LIGHT



**10W  
SMALL**



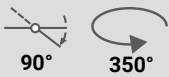
**15W  
MEDIUM**



**22W  
MEDIUM**

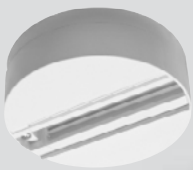


**38W  
LARGE**



The centre of gravity always remains in axis with the track irrespective of where the projector is aimed.

## ACCESSORIES FOR MEDIUM AND LARGE BODIES



**ADAPTER FOR  
SURFACE  
INSTALLATIONS**



**ANTI-GLARE  
LOUVRE**

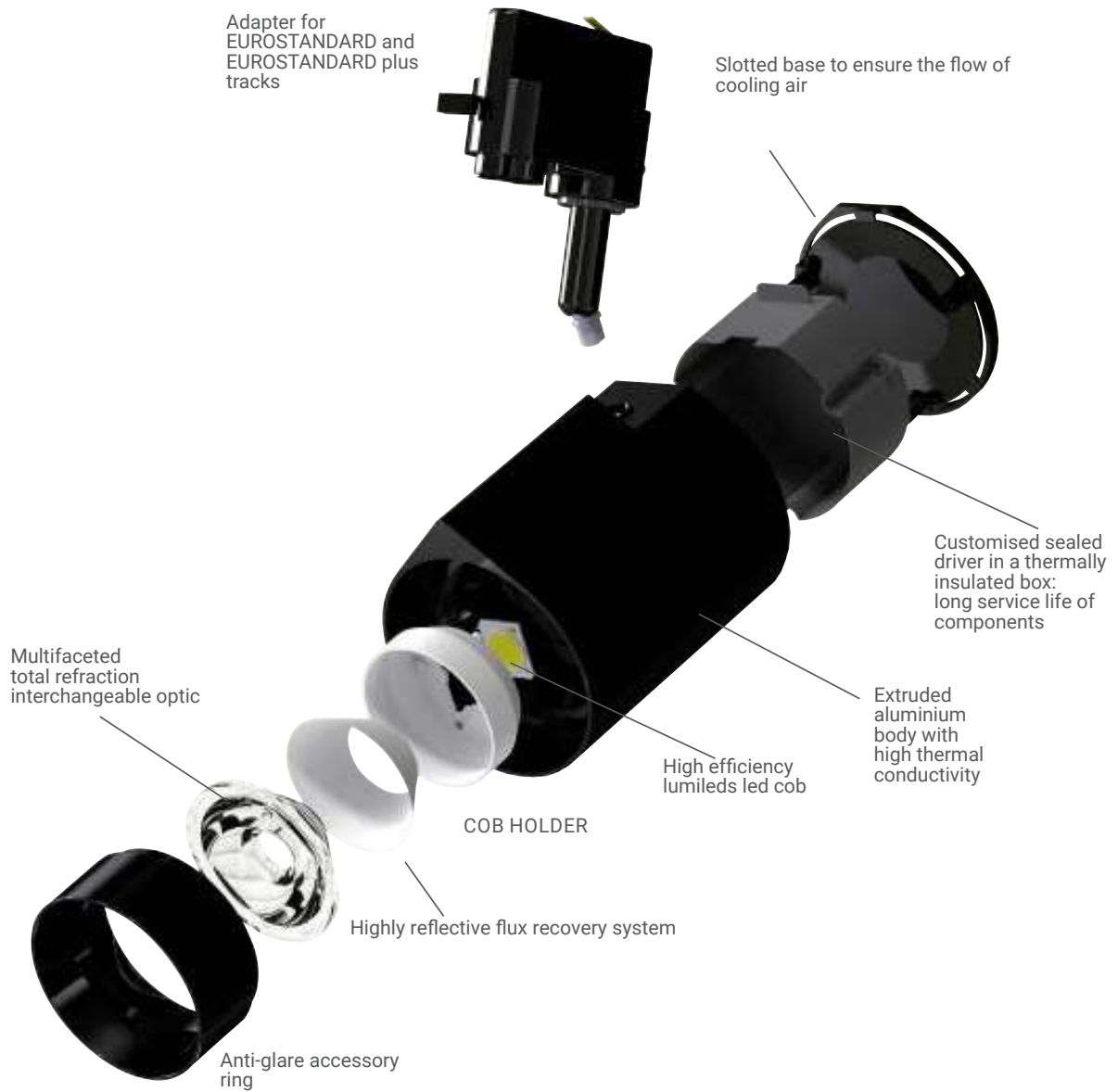


**BARN DOOR  
FLAPS**



**ASYMMETRICAL**

# DURA TL - TRACK LIGHT



# DURA TL - TRACK LIGHT

## TYPE

Professional LED projectors for track mounting.

## CHARACTERISTICS

3 different dimensions and 4 power choices to cover all requirements. Can be used with Eurostandard Plus tracks as well as with other brands': Staff, Nordlux, Nordic, Global, etc.

## OPTIC

High efficiency Ra>90 LED Chip on Board.  
Precision optics with dichroic effect lens.  
Adjustable from 0° to -90° on the vertical plane and 350° on the horizontal plane.

## MATERIALS

Die-cast painted aluminium body; black or white colour.

## MOUNTING

Onto an electrical track in 3 phases; fixtures equipped with a safety lock to fix to the tracks.



## NB

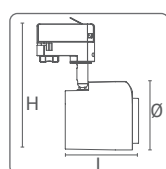
Non Dimmable.  
TRIAC (200-250V) dimmable version on request.

## POWER SUPPLY

Electronic driver integrated in the fixture body.

PRO	110-240V 50/60Hz	Ra>85		50000h L70 B20	IP20	-25° +35°C		G5/ h24	Risk Group 1
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art.	W	lm	cd	K		Ø	L	H			8011905	
TD10S-3K8L-MSP-W ♦	10		855	2090	3000	24°	60	95	167	370	902674	20
TD10S-4K8L-MSP-W ♦	10		900	2200	4000	24°	60	95	167	370	863173	20
TD10S-3K8L-MSP-B ♦	10		855	2090	3000	24°	60	95	167	370	902667	20
TD10S-4K8L-MSP-B ♦	10		900	2200	4000	24°	60	95	167	370	861865	20
TD15M-3K8L-FL-W ♦	15		1235	1890	3000	40°	100	108	184	648	902681	10
TD15M-4K8L-FL-W ♦	15		1300	1990	4000	40°	100	108	184	648	851699	10
TD15M-3K8L-FL-B ♦	15		1235	1890	3000	40°	100	108	184	648	902698	10
TD15M-4K8L-FL-B ♦	15		1300	1990	4000	40°	100	108	184	648	851705	10
TD22M-3K8L-FL-W ♦	22		2185	3135	3000	40°	100	108	184	648	902711	10
TD22M-4K8L-FL-W ♦	22		2300	3300	4000	40°	100	108	184	648	863241	10
TD22M-3K8L-FL-B ♦	22		2185	3135	3000	40°	100	108	184	648	902704	10
TD22M-4K8L-FL-B ♦	22		2300	3300	4000	40°	100	108	184	648	861872	10
TD38L-3K8L-FL-W ♦	38		3800	5795	3000	40°	111	141	189	927	851668	10
TD38L-4K8L-FL-W ♦	38		4000	6100	4000	40°	111	141	189	927	863197	10
TD38L-3K8L-FL-B ♦	38		3800	5795	3000	40°	111	141	189	927	851682	10
TD38L-4K8L-FL-B ♦	38		4000	6100	4000	40°	111	141	189	927	861896	10



♦ To be discontinued

For photometries please consult the website.

# ACCESSORIES DURA TL - TRACK LIGHT






Adapter for surface installations

art		 8007753	
B60220 ♦		309284	1
B60221 ♦		309277	1







Optional lenses

art		  8011905	
TDM-LENS24 ♦	24° lens for MEDIUM BODY	24° 861254	10
TDM-LENS60 ♦	60° lens for MEDIUM BODY	60° 861261	10
TDL-LENS24 ♦	24° lens for LARGE BODY	24° 861308	10
TDL-LENS60 ♦	60° lens for LARGE BODY	60° 861315	10







Anti-glare louvre

art		 8011905	
TDM-AGL ♦	 Anti-glare louvre for MEDIUM BODY	861278	6
TDL-AGL ♦	 Anti-glare louver for LARGE BODY	861322	6







Barn door flaps

art		 8011905	
TDM-BDF ♦	 Barn door flaps for MEDIUM BODY	861285	6
TDL-BDF ♦	 Barn door flaps for LARGE BODY	861339	6



Asymmetrical

art		 8011905	
TDM-ACO ♦	 Asymmetric cut-off for MEDIUM BODY	861292	6
TDL-ACO ♦	 Asymmetric cut-off for LARGE BODY	861346	6

♦ To be discontinued



# EUROSTANDARD PLUS

## TYPE

System is a 3 phase mixed system with two additional conductors intended to manage a general data signal (for example DALI, DMX). Electrified track in three lengths in extruded anodized aluminum or in extruded painted aluminium. Conductors in copper insulated in PVC.

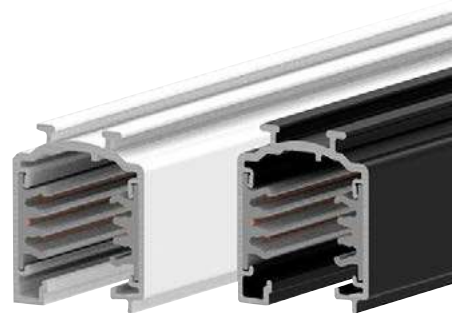
## MOUNTING

There are three possible installation systems: directly on false ceiling (using the needlepoints on the track and the suspension kit), on ceiling using a metal clip or hanging by a mounting kit.

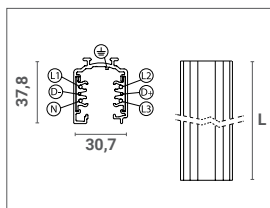
## POWER SUPPLY

Frequency: 50Hz.  
Rated current and voltage: L1/L2/L3/N/ground 16A/440V + D+/D- 2x1A/50V FELV AC (DALI).  
Phase / phases power: 3,6kVA / 10,8kVA.

EUROSTANDARD  
**PLUS**

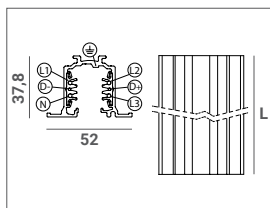


## TRACKS



### Standard

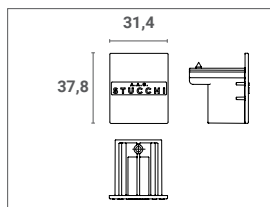
art.		L			
<b>B60-1SB</b>	<b>B60-1SW</b>	1000	1100		1
<b>B60-2SB</b>	<b>B60-2SW</b>	2000	2100		1
<b>B60-3SB</b>	<b>B60-3SW</b>	3000	3100		1



### Recessed

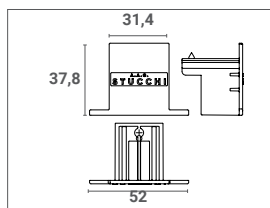
art.		L			
<b>B60-1RB</b>	<b>B60-1RW</b>	1000	1100		1
<b>B60-2RB</b>	<b>B60-2RW</b>	2000	2200		1
<b>B60-3RB</b>	<b>B60-3RW</b>	3000	3400		1

## END CAPS



### Dead end

art.			
<b>B604B</b>	<b>B604W</b>		1

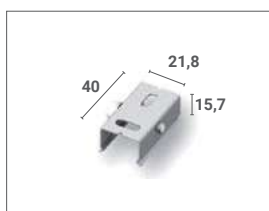


### Dead end – recessed

art.			
<b>B604RB</b>	<b>B604RW</b>		1

The photos show the colour white to improve the visibility of the elements: the code alongside refers to the colour black.

## MOUNTING SYSTEMS



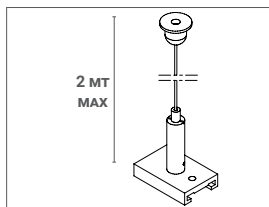
Ceiling mounting bracket

art.



B60111

1



Mounting systems suspension

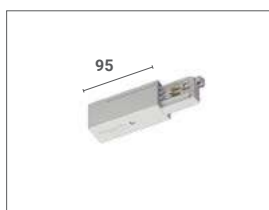
art.



B60SP

1

## POWER SUPPLY



Power supplies lateral polarity on the right

art.



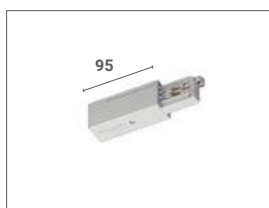
B601B



B601W



1



Power supplies lateral polarity on the left

art.



B602B



B602W



1



Power supplies central

art.



B6010B



B6010W



1

## LATERAL FEEDING SYSTEMS ACCESSORIES



Seal for lateral power supply

art.



B60115B



B60115W



1

PVC. for: B601...; B602...

The photos show the colour white to improve the visibility of the elements:  
the code alongside refers to the colour black.

# ELECTRICAL CONNECTOR



Connectors straight

art.					
B603B	<input checked="" type="checkbox"/>	B603W	<input type="checkbox"/>		1



Connectors flexible

art.					
B6018B	<input checked="" type="checkbox"/>	B6018W	<input type="checkbox"/>		1

Cannot be used for the recessed track



"L" joint internal polarity

art.					
B6011B	<input checked="" type="checkbox"/>	B6011W	<input type="checkbox"/>		1



"L" joint external polarity

art.					
B6012B	<input checked="" type="checkbox"/>	B6012W	<input type="checkbox"/>		1



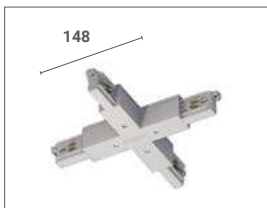
"T" joint external polarity

art.					
B6013B	<input checked="" type="checkbox"/>	B6013W	<input type="checkbox"/>	SX	1
B6014B	<input checked="" type="checkbox"/>	B6014W	<input type="checkbox"/>	DX	1



"T" joint internal polarity

art.					
B6015B	<input checked="" type="checkbox"/>	B6015W	<input type="checkbox"/>	SX	1
B6016B	<input checked="" type="checkbox"/>	B6016W	<input type="checkbox"/>	DX	1

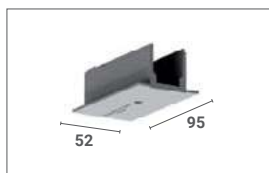


"X" joint

art.					
B6017B	<input checked="" type="checkbox"/>	B6017W	<input type="checkbox"/>		1

Note: All joints except the linear joint can be used as power supply.

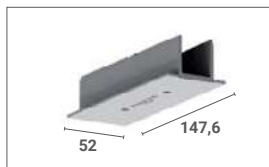
# COVER PANELS FOR RECESSED TRACK



COVER false ceiling cover for lateral power supply.

art.		
B60RC1B	<input checked="" type="checkbox"/>	B60RC1W <input type="checkbox"/>
		1

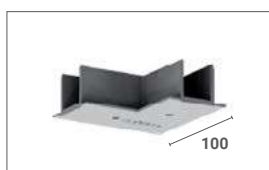
Polycarbonate body for: B60001/...; B60002/...



COVER false ceiling cover for central power supply

art.		
B60RC10B	<input checked="" type="checkbox"/>	B60RC10W <input type="checkbox"/>
		1

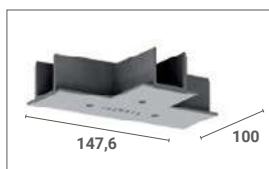
Polycarbonate body for: B60010/...;



COVER "L" connector for false ceiling

art.		
B60RC11B	<input checked="" type="checkbox"/>	B60RC11W <input type="checkbox"/>
		1

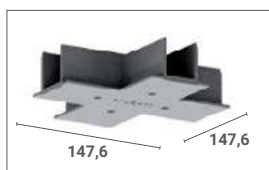
Polycarbonate body for: B60011/...; B60012/...;



COVER "T" connector for false ceiling

art.		
B60RC13B	<input checked="" type="checkbox"/>	B60RC13W <input type="checkbox"/>
		1

Polycarbonate body for: B60013/...; B60014/...; B60015/...; B60016/...

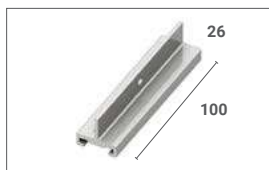


COVER "X" connector for false ceiling

art.		
B60RC17B	<input checked="" type="checkbox"/>	B60RC17W <input type="checkbox"/>
		1

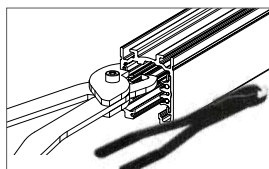
Polycarbonate body for: B60017

## ACCESSORIES



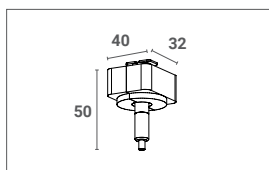
Rigid support bracket

art.		
B60123		1



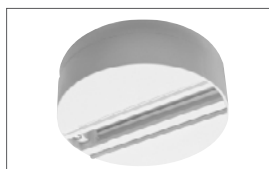
Tool for shearing conductors, to be used if it's necessary to cut the track during the installation.

art.		
B60T		1



Suspension bracket

art.		
B60MB	<input checked="" type="checkbox"/>	B60MW <input type="checkbox"/>
		1



Adapter for surface installations

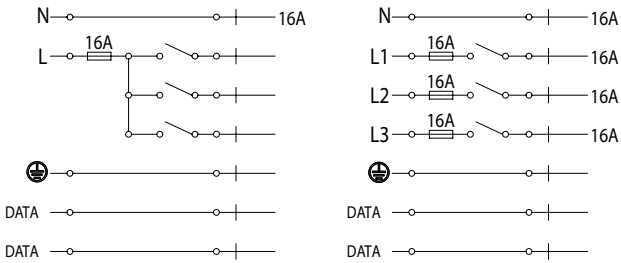
art		
B60220	<input checked="" type="checkbox"/>	
B60221		<input type="checkbox"/>
		1
		1



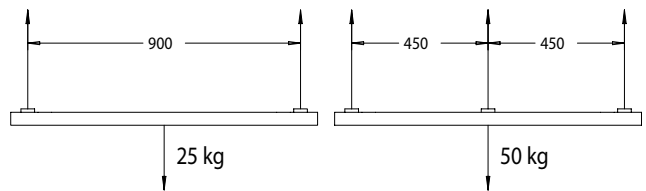
# EUROSTANDARD PLUS

## ELECTRICAL SCHEME

During the wiring the electrical scheme of picture must be followed.

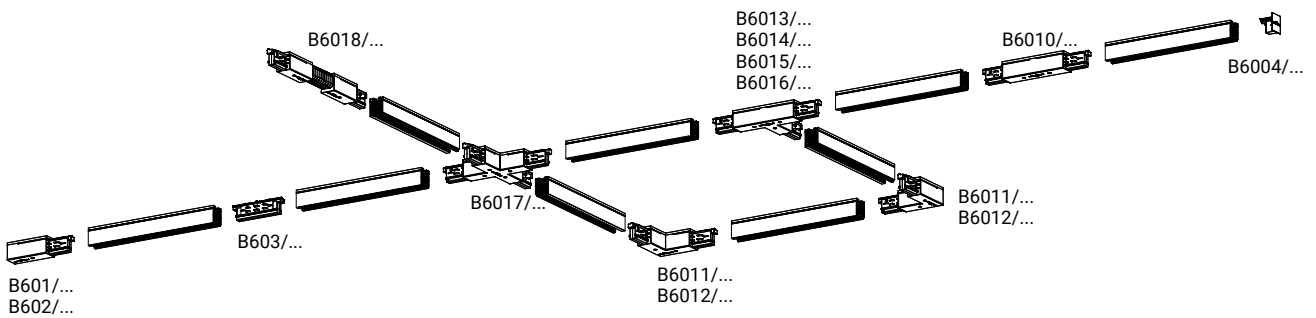


## LOAD SCHEME

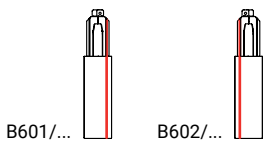


## INSTALLATION

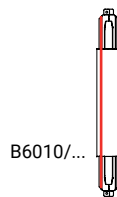
There is a polarity on the lighting track to guarantee the right connection of the multiple pieces of the track. Also end-feeds and connection joints have a polarity that must be taken into account in order to choose the right component. In the catalogue sketches of these articles, the position of the polarity is highlighted with a red line.



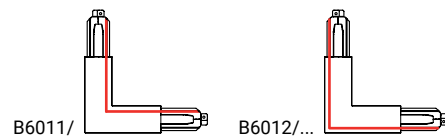
Lateral power supplies



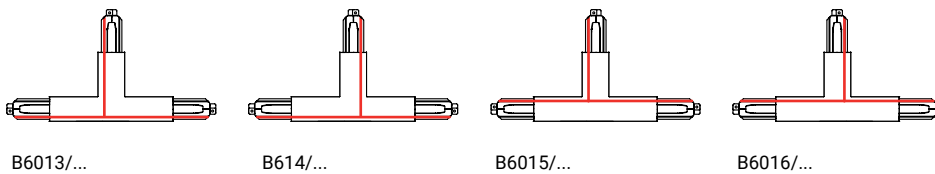
Central power supplies



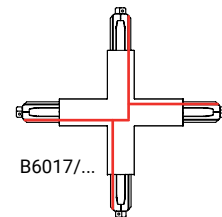
"L" Joint



"T" Joint



"X" Joint



Top view



**DURA BEAM**  
3000K and 4000K

# LED PANELS

NEW



**BASIC**

SLIMFLUX SL  
S3 + UGR

NEW



**PRO**

SLIMFLUX SL  
C + UGR

## SIDELIGHT

# LED PANELS



**PLUS**

SLIMFLUX PANEL  
ROUND 60



**PLUS**

SLIMFLUX PANEL  
UP&DOWN  
TRANSLUCENT  
DIMMABLE PANEL





**NEW**



**BASIC**

SLIMFLUX BL  
B3 + UGR

**NEW**



**PRO**

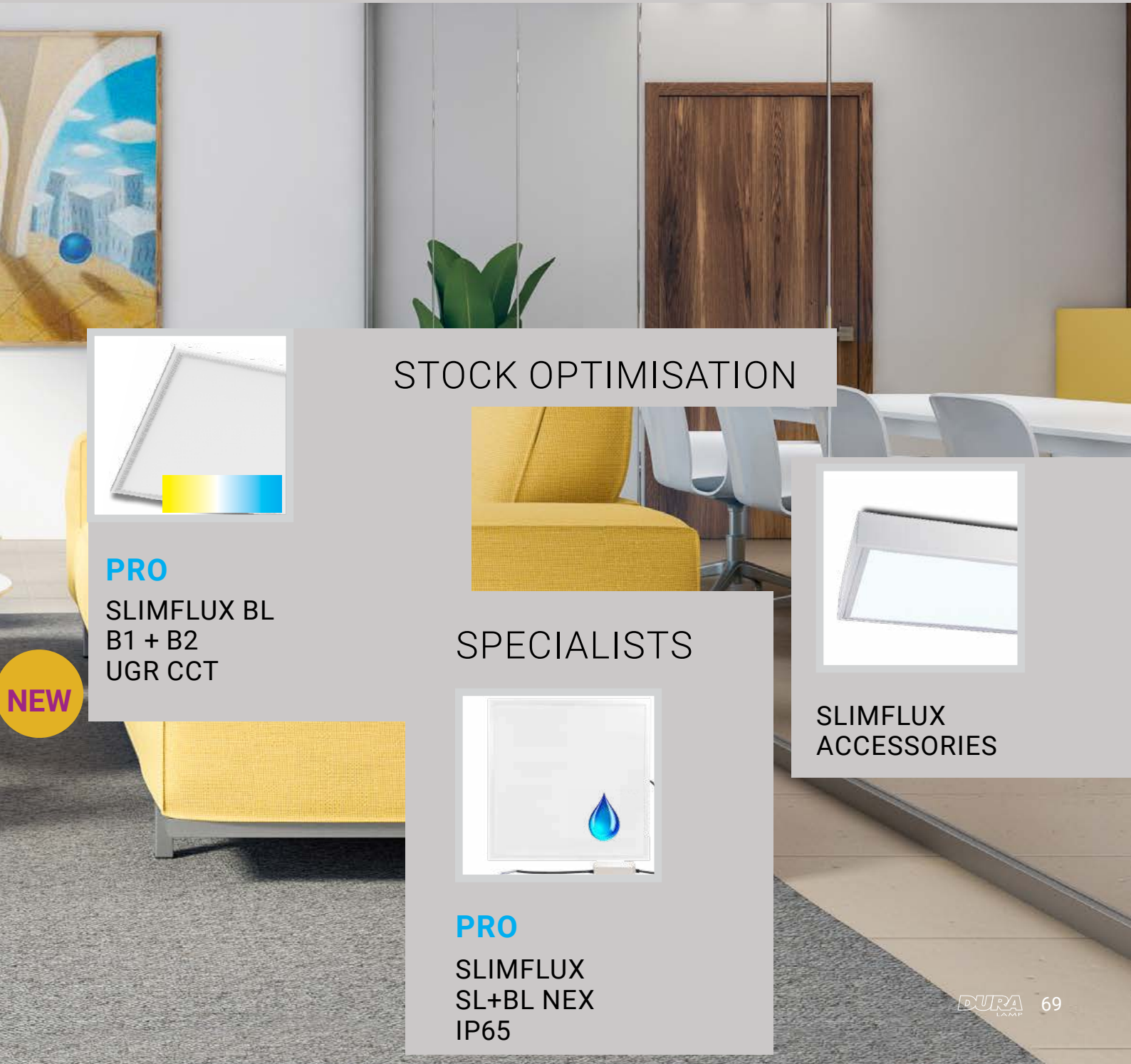
SLIMFLUX BL  
B1 + UGR



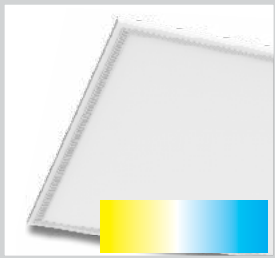
**PLUS**

SLIMFLUX BL  
P1+P2  
PLAFO + UGR

BACKLIGHT



STOCK OPTIMISATION



**PRO**

SLIMFLUX BL  
B1 + B2  
UGR CCT

**NEW**



SPECIALISTS



**PRO**

SLIMFLUX  
SL+BL NEX  
IP65



SLIMFLUX  
ACCESSORIES

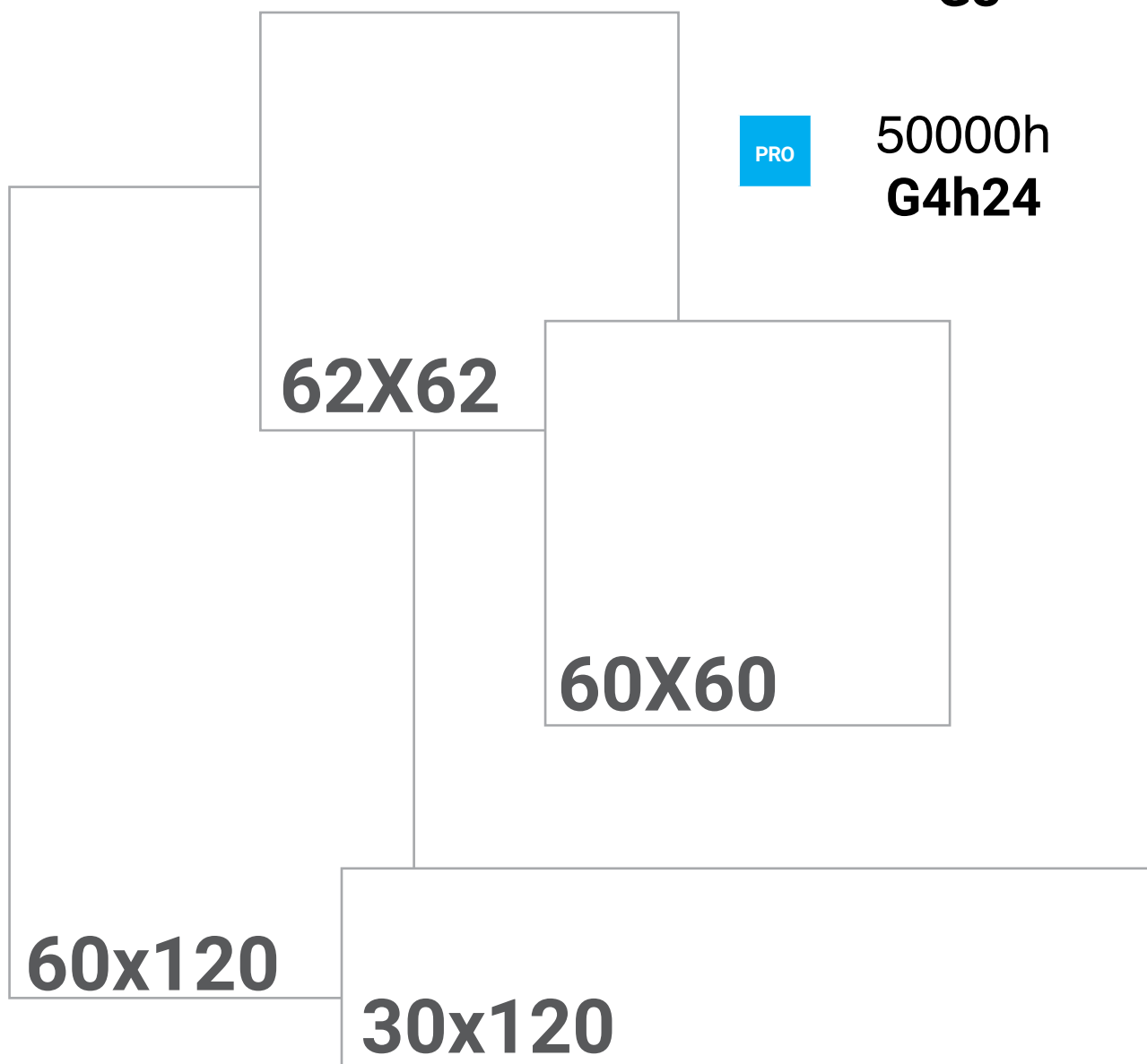


# LOOKING FOR A LED PANEL?

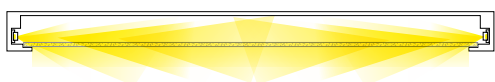
**BASIC** 25000h  
**G2**

**PLUS** 35000h  
**G3**

**PRO** 50000h  
**G4h24**

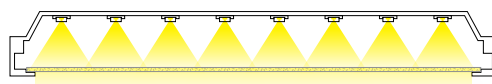


## SLIMFLUX SL



SIDLIGHT LED PANELS  
SIDE ILLUMINANCE

## SLIMFLUX BL



BACKLIGHT LED PANELS  
DIRECT ILLUMINANCE

	art.		W	BL/SL	lm	Kelvin	UGR	Ra	IP	
	<b>BASIC</b>	<b>LP6060B3-830</b>	30	<b>BL</b>	3400	3000K		80	IP20	
	<b>BASIC</b>	<b>LP6060B3-840</b>	30	<b>BL</b>	3600	4000K		80	IP20	
	<b>BASIC</b>	<b>LP6060B3-860</b>	30	<b>BL</b>	3600	6000K		80	IP20	
<b>New</b>	<b>BASIC</b>	<b>LP6060B3-830ST</b>	40	<b>BL</b>	3600	3000K		80	IP20	
<b>New</b>	<b>BASIC</b>	<b>LP6060B3-840ST</b>	40	<b>BL</b>	4000	4000K		80	IP20	
<b>New</b>	<b>BASIC</b>	<b>LP6060B3-860ST</b>	40	<b>BL</b>	4000	6000K		80	IP20	
<b>New</b>	<b>BASIC</b>	<b>LP6060B3UGR-840ST</b>	40	<b>BL</b>	4000	4000K	•	80	IP20	
<b>New</b>	<b>BASIC</b>	<b>LP6060S3-840</b>	30	<b>SL</b>	3600	4000K		80	IP20	
<b>New</b>	<b>BASIC</b>	<b>LP6060S3UGR-840</b>	30	<b>SL</b>	3600	4000K	•	80	IP20	
	<b>PLUS</b>	<b>LP6060P1-840</b>	<input type="checkbox"/>	40	<b>BL</b>	4000	4000K	80	IP20	
	<b>PLUS</b>	<b>LP6060P2-840</b>	<input type="checkbox"/>	60	<b>BL</b>	6000	4000K	80	IP20	
	<b>PLUS</b>	<b>LP6060P2-860</b>	<input type="checkbox"/>	60	<b>BL</b>	6000	6000K	80	IP20	
	<b>PLUS</b>	<b>LP6060P1UGR-840</b>	<input type="checkbox"/>	40	<b>BL</b>	4000	4000K	•	80	IP20
<b>New</b>	<b>PRO</b>	<b>LP6060UGR-840C<sup>(*)</sup></b>	28	<b>SL</b>	3730	4000K	•	80	IP20	
	<b>PRO</b>	<b>LP6060B1-840</b>	40	<b>BL</b>	4000	4000K		80	IP20	
	<b>PRO</b>	<b>LP6060B1UGR-840HP</b>	45	<b>BL</b>	5500	4000K	•	80	IP20	
	<b>PRO</b>	<b>LP6060B1UGR-840</b>	28	<b>BL</b>	4000	4000K	•	80	IP20	
<b>New</b>	<b>PRO</b>	<b>LP6060B1UGR-840Z1<sup>(*)</sup></b>	28	<b>BL</b>	4000	4000K	•	80	IP20	
	<b>PRO</b>	<b>LP6060B1UGR-930</b>	40	<b>BL</b>	3000	4000K	•	90	IP20	
	<b>PRO</b>	<b>LP6060B1UGR-940</b>	40	<b>BL</b>	4000	4000K	•	90	IP20	
	<b>PRO</b>	<b>LP6060B1UGR-8CCT</b>	40	<b>BL</b>	4500*	3/4/6000K	•	80	IP20	
	<b>PRO</b>	<b>LP6060B2UGR-8CCT</b>	47	<b>BL</b>	5500*	3/4/6000K	•	80	IP20	
	<b>PRO</b>	<b>LP6060B1UGR-9CCT</b>	40	<b>BL</b>	4000*	3/4/6000K	•	90	IP20	
	<b>PRO</b>	<b>LP6060B1NEX</b>	40	<b>BL</b>	4000	4000K		80	<b>IP65</b>	

# 60X60

	<b>PRO</b>	<b>LP6262UGR-840</b>	33	<b>SL</b>	4350	4000K	•	80	IP20
<b>New</b>	<b>BASIC</b>	<b>LP30120S3-840</b>	30	<b>SL</b>	3600	4000K		80	IP20
<b>New</b>	<b>BASIC</b>	<b>LP30120B3UGR-840ST</b>	40	<b>BL</b>	4000	4000K	•	80	IP20
	<b>PLUS</b>	<b>LP30120P1-840</b>	<input type="checkbox"/>	40	<b>BL</b>	4000	4000K	80	IP20
<b>New</b>	<b>PRO</b>	<b>LP30120UGR-840C<sup>(*)</sup></b>	28	<b>SL</b>	3730	4000K	•	80	IP20
<b>New</b>	<b>PRO</b>	<b>LP30120B1UGR-840</b>	28	<b>BL</b>	4000	4000K	•	80	IP20
	<b>PRO</b>	<b>LP30120B1UGR-9CCT</b>	40	<b>BL</b>	4000*	3/4/6000K	•	90	IP20

# 62X62

# 30x120

	<b>PLUS</b>	<b>LP60120P1-840</b>	<input type="checkbox"/>	60	<b>BL</b>	6000	4000	80	IP20	
	<b>PRO</b>	<b>LP60120B1UGR-9CCT</b>		50	<b>BL</b>	5200*	3/4/6000K	•	90	IP20

# 60x120

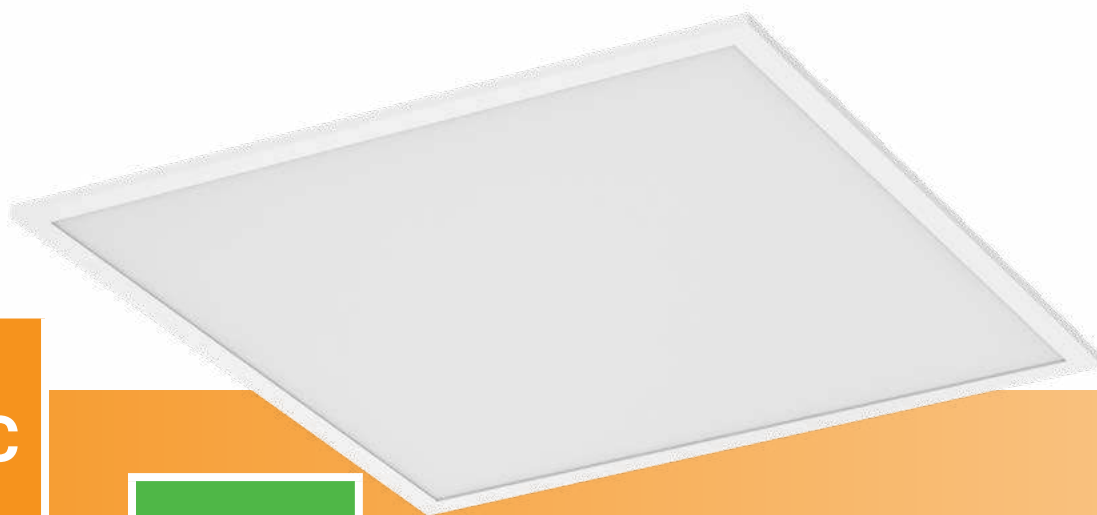
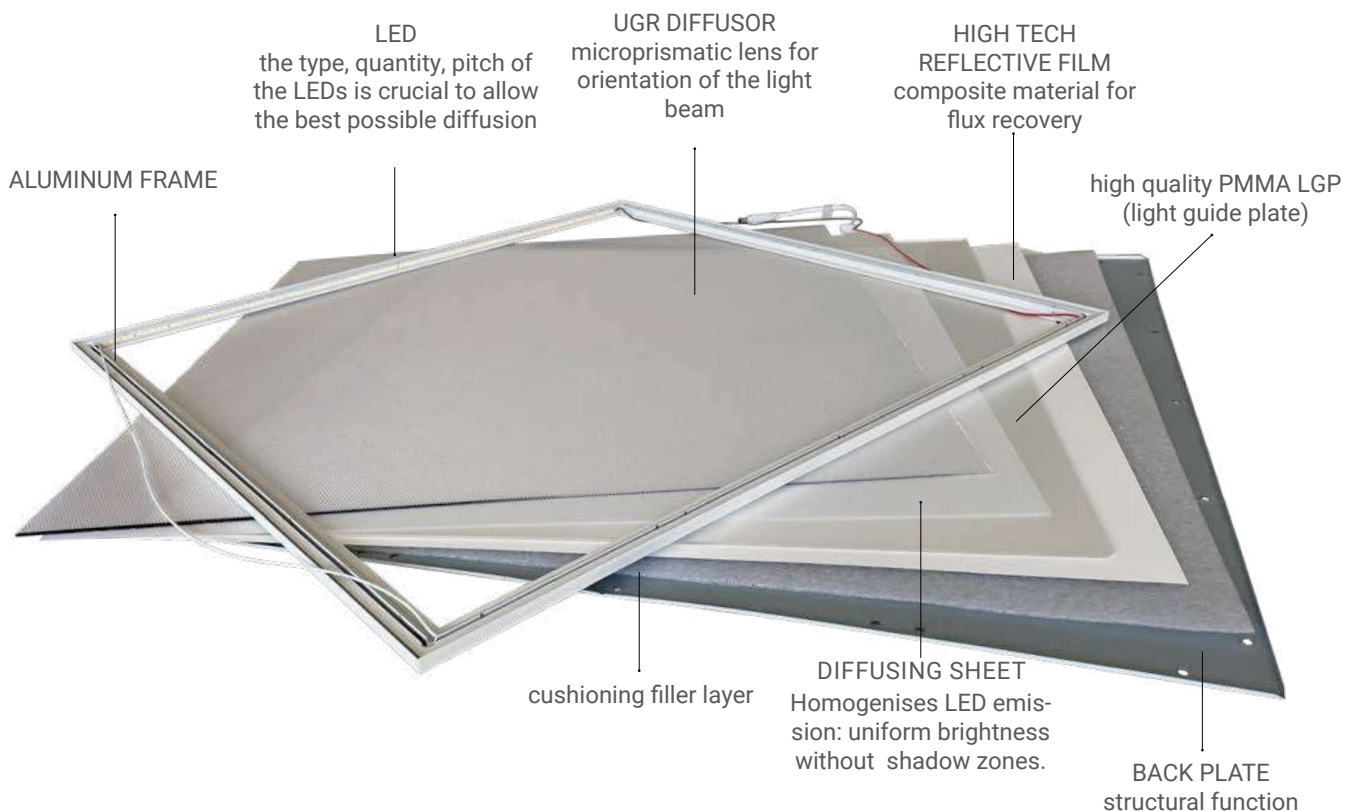
<sup>(\*)</sup> Without driver

\* Lumen and power data are referred to 4000K colour temperature.

Version with integrated frame for surface mounting.

# WHAT'S THE DIFFERENCE?

## SIDELIGHT PANELS: EXTREMELY THIN LIGHT IS DIFFUSED FROM THE SIDE OF THE FRAME TO THE PANEL



**BASIC**

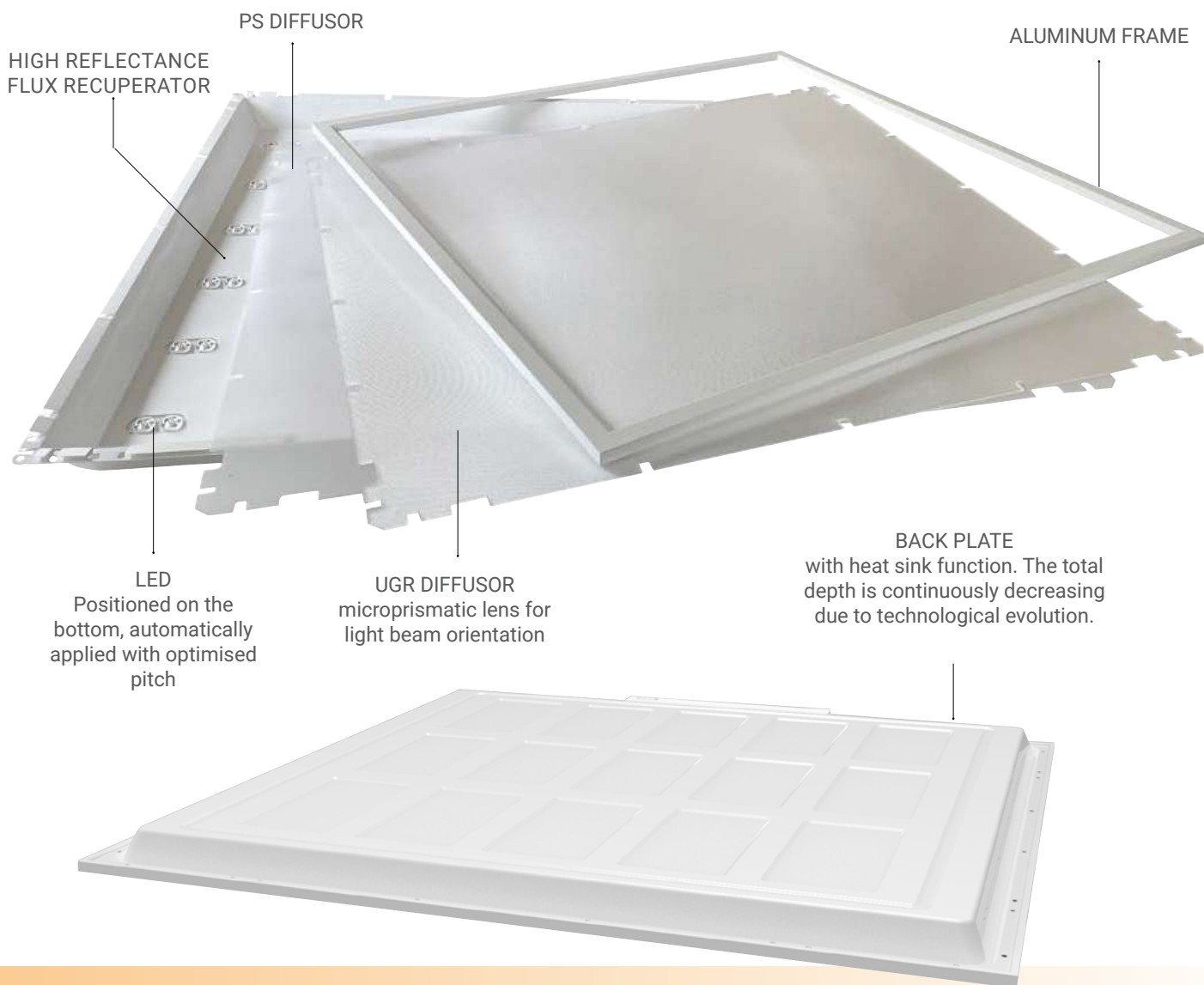
**PLUS**

**PRO**

# BACKLIGHT PANELS:

DIRECT LIGHT

BEST EFFICIENCY



**25000h**

**G2**

**2-year warranty** for luminaires

**35000h**

**G3**

**3-year warranty** for luminaires




**50000h**

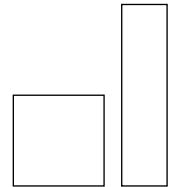
**G5h24**



**full 24-hour warranty up to 4 years**



# SLIMFLUX SL + UGR BASIC SIDELIGHT

**BASIC** 220-240V 50/60Hz Ra>80  25000h L70B20 IP20 VI IP43 VO -25° +35°C  G2 Risk Group 0 **FLICKER FREE** 



art.	W	lm	K	Ra	PF	L	L1	H	UGR		
<b>60x60</b>											
<b>New</b> LP6060S3-840	30	3600	4000	80	0,9	595	595	7,8	-	2200	5
<b>60x60 - UGR</b>											
<b>New</b> LP6060S3UGR-840	30	3600	4000	80	0,9	595	595	7,8	<19	2200	5
<b>30x120</b>											
<b>New</b> LP30120S3-840	30	3600	4000	80	0,9	295	1195	7,8		2200	5

- BASIC: high-transmittance PMMA primary optics.
- SLIMFLUX SL - BASIC: 5 pieces pack with single items' box.

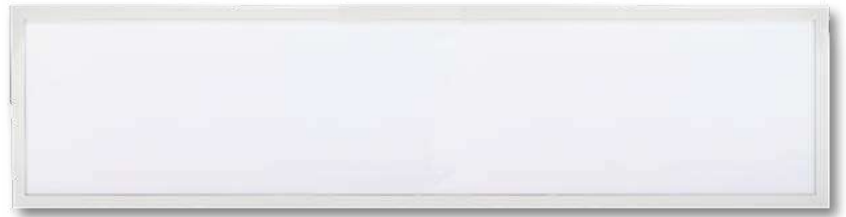
• Minimum Order Quantity

**NOTE:**

- The one-piece frames are equipped with a rear bracket to be fixed to the ceiling. Kit frames are fixed directly to the ceiling: the panel is slid inside the three sides already fixed before closing.

# SLIMFLUX SL + UGR BASIC

## BASIC SIDELIGHT



LPLAFO60	LPLAFO603	LPLAFO604	LPLAFO60P	LPLAFO120	LPLAFO1203	LPLAFO301204	LPLAFO601204	KTLP-SPU	LP-SSK	FASTCON-30	KTLPW1-MS	KTEMR03	OPTIONAL DRIVERS	DELT65D-M
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• • • • • • • • • • LP6060S3-840

• • • • • • • • • • LP6060S3UGR-840

• • • • • • • • • • LP30120S3-840



**Monoblock Frames**  
LPLAFO60 thickness 6 cm  
LPLAFO120 thickness 6 cm



**Mounting kit frames**  
LPLAFO603 thickness 5cm  
LPLAFO1203 thickness 5cm  
LPLAFO604 thickness 8cm  
LPLAFO301204 thickness 8cm



**Frame with springs for flush mounting (kit to be assembled)**  
LPLAFO60P



**Power supply for backup lighting**  
KTEMR03



**Anti-fall safety wire and terminal block LP-SSK**  
Only terminal block FASTCON-30



**Adjustable suspension wires kit**  
KTLP-SPU






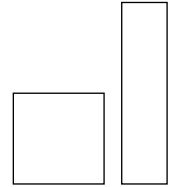
**Metal springs kit for recessed installation**  
KTLPW1-MS



**ON/OFF, multicurrent dimmable DALI and 1-10V drivers: see drivers' section**

# SLIMFLUX SL UGR PRO SIDELIGHT

PRO
220-240V  
50/60Hz
Ra>80

50000h  
L80B20
IP20 VI  
IP43 VO
-25°  
+35°C

G5/  
h24
Risk  
Group 0
**FLICKER  
FREE**




art. W lm K Ra PF L L1 H UGR  

## 60x60 - UGR - NO DRIVER - 750mA

LP6060UGR-840C \*  28 3730 4000 80 0,9 595 595 8,5 <19 2200 5

## 30x120 - UGR - NO DRIVER - 750mA

**New** LP30120UGR-840C \* 28 3730 4000 80 0,9 295 1195 8,5 <19 2200 5

\* Driver NOT included, to be fitted with the suitable driver. Safety wire included. .  
- PRO: high-transmittance PMMA primary optics.  
- SLIMFLUX SL - PRO: 5 pieces pack with single items' box.

• Minimum Order Quantity

art. W lm K Ra PF L L1 H UGR  

## 62x62 - UGR - NO DRIVER - 900mA

**New** LP6262UGR-840 33 4350 4000 80 0,9 615 615 9 <19 2500 5

\* Driver NOT included, to be fitted with the suitable driver. Safety wire included. .  
- PRO: high-transmittance PMMA primary optics.  
- SLIMFLUX SL - PRO: 5 pieces pack with single items' box.

• Minimum Order Quantity

### NOTE:

- The one-piece frames are equipped with a rear bracket to be fixed to the ceiling. Kit frames are fixed directly to the ceiling: the panel is slid inside the three sides already fixed before closing.

# SLIMFLUX SL UGR PRO SIDELIGHT



LPLAFO60	LPLAFO603	LPLAFO604	LPLAFO60P	LPLAFO120	LPLAFO1203	LPLAFO301204	LPLAFO601204	KTLP-SPU	LP-SSK	FASTCON-30	KTLPW1-MS	KTEMR03	OPTIONAL DRIVERS	DALI
----------	-----------	-----------	-----------	-----------	------------	--------------	--------------	----------	--------	------------	-----------	---------	------------------	------



• • • • • • • • • • LP6060UGR-840C

• • • • • • • • • • LP30120UGR-840C

A01485  
ZKLP700EL  
A01486

• • • • • • • • • • LP6262UGR-840

A01485  
ZKLP700EL  
A01486



**Monoblock Frames**  
LPLAFO60 thickness 6 cm  
LPLAFO120 thickness 6 cm



**Mounting kit frames**  
LPLAFO603 thickness 5cm  
LPLAFO1203 thickness 5cm  
LPLAFO604 thickness 8cm  
LPLAFO301204 thickness 8cm



**Frame with springs for flush mounting (kit to be assembled)**  
LPLAFO60P



**Power supply for backup lighting**  
KTEMR03



**Anti-fall safety wire and terminal block LP-SSK**  
Only terminal block FASTCON-30



**Adjustable suspension wires kit KTLP-SPU**



**Metal springs kit for recessed installation**  
KTLPW1-MS

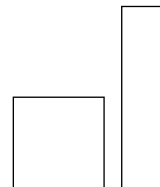


**ON/OFF, multicurrent dimmable DALI and 1-10V drivers: see drivers' section**



# SLIMFLUX BL - BASIC BACKLIGHT

<b>BASIC</b>	220-240V 50/60Hz	Ra>80		25000h L70B20	IP20 VI IP43 VO	-25° +35°C	*		G2	Risk Group 0
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art.	W	lm	K	Ra	PF	L	L1	H	UGR		
<b>60x60</b>											
LP6060B3-830 * ♦	30	3400	3000	80	0,95	595	595	25	-	1100	8
LP6060B3-840 *	30	3600	4000	80	0,95	595	595	25	-	1100	8
LP6060B3-860 * ♦	30	3600	6000	80	0,95	595	595	25	-	1100	8
<b>New</b> LP6060B3-830ST	40	3600	3000	80	0,9	595	595	25	-	1970	6
<b>New</b> LP6060B3-840ST	40	4000	4000	80	0,9	595	595	25	-	1970	6
<b>New</b> LP6060B3-860ST	40	4000	6000	80	0,9	595	595	25	-	1970	6
<b>60x60 - UGR</b>											
<b>New</b> LP6060B3UGR-840ST	40	4000	4000	80	0,9	595	595	25	<19	1970	6
<b>30x120 - UGR</b>											
<b>New</b> LP30120B3UGR-840ST	40	4000	4000	80	0,9	1195	295	25	<19	1970	6

♦ To be discontinued

• Minimum Order Quantity

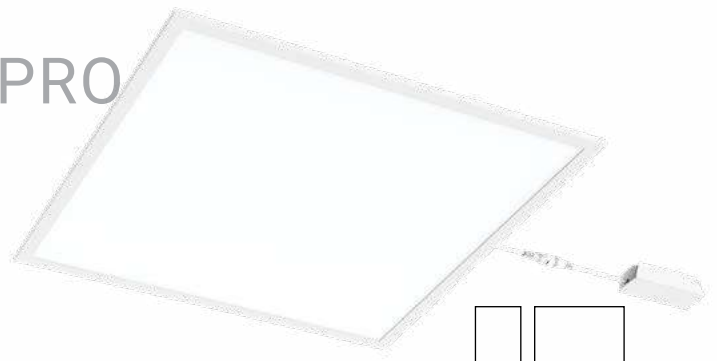
- BASIC: high-transmittance PMMA primary optics.
- SLIMFLUX BL - BASIC: 6 or 8 pieces package with 2-pcs inner box.

## NOTES:

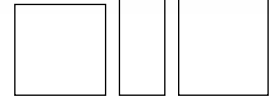
- Insulation Class I panels cannot be made dimmable by changing the driver nor can they be used with the ballast for stand-by lighting.
- Pay attention to the thickness of the backlit panels. In these panels the driver is recessed between the rear compartment and the edge of the panel and does not extrude from the total thickness shown in the table.
- The one-piece frames are equipped with a rear bracket to be fixed to the ceiling. Kit frames are fixed directly to the ceiling: the panel is slid inside the three sides already fixed before closing.



# SLIMFLUX BL + UGR - PRO BACKLIGHT



PRO
220-240V  
50/60Hz
Ra>80
50000h  
L80 B20
IP20 VI  
IP43 VO
-25°  
+40°C
G5/  
h24
Risk  
Group 0
**FLICKER  
FREE**



art.	W	lm	K	Ra	PF	L	L1	H	UGR		
<b>60x60</b>											
LP6060B1-840	40	4000	4000	80	0,9	595	595	30	-	1700	6
<b>30x120 - UGR</b>											
New LP30120B1UGR-840	28	4000	4000	80	0,9	295	1195	30	<19	1800	6
<b>60x60 - UGR</b>											
LP6060B1UGR-840	28	4000	4000	80	0,9	595	595	30	<19	2050	6
LP6060B1UGR-930	40	3000	4000	90	0,9	595	595	30	<19	2050	6
LP6060B1UGR-940	40	4000	4000	90	0,9	595	595	30	<19	2050	6
LP6060B1UGR-840HP	45	5500	4000	80	0,9	595	595	30	<19	2050	6

- SLIMFLUX BL - PRO: high-transmittance PMMA primary optics.  
- 6 pieces pack with single items' box.

art.	W	lm	K	Ra	PF	L	L1	H	UGR		
<b>60x60 UGR - NO DRIVER - 750mA</b>											
New LP6060B1UGR-840Z1 *	28	3600	4000	80	-	595	595	35	<19	1700	6

\* This panel es supplied with safety wire and terminal blocks; no driver included.

- SLIMFLUX BL - PRO: high-transmittance PMMA primary optics.  
- 6 pieces pack with single items' box.

## NOTES:

- Pay attention to the thickness of the backlit panels. In these panels the driver is recessed between the rear compartment and the edge of the panel and does not extrude from the total thickness shown in the table.
- When installing BL panels with a surface frame, using dimmable drivers or backlighting drivers, it is necessary to order the frames with a height of 8 cm.
- The one-piece frames are equipped with a rear bracket to be fixed to the ceiling. Kit frames are fixed directly to the ceiling: the panel is slid inside the three sides already fixed before closing.





# SLIMFLUX BL UGR CCT - PRO BACKLIGHT



PRO
220-240V  
50/60Hz
Ra>80  
Ra>90
50000h  
L80 B20
IP20 VI  
IP43 VO
-25°  
+40°C
G5/  
h24
Risk  
Group 0
**FLICKER  
FREE**

art.	W	lm	K	Ra	PF	L	L1	H	UGR		
<b>60x60</b>											
LP6060B1UGR-8CCT	40	4500*	3000/4000/6000	80	0,95	595	595	40	<19	2230	4
LP6060B2UGR-8CCT <sup>(1)</sup>	47	5500*	3000/4000/6000	80	0,95	595	595	40	<19	2230	4
LP6060B1UGR-9CCT	40	4000*	3000/4000/6000	90	0,95	595	595	40	<19	2230	4
<b>30x120</b>											
LP30120B1UGR-9CCT	40	4000*	3000/4000/6000	90	0,95	295	1195	40	<19	2950	4
<b>60x120</b>											
LP60120B1UGR-9CCT	50	5200*	3000/4000/6000	90	0,95	595	1195	40	<19	3960	4

• Minimum Order Quantity

- SLIMFLUX BL CCT - PRO: high-transmittance PMMA primary optics. 4 pieces pack with single items' protection plastic bag.  
\* Lumen and power data are referred to 4000K colour temperature.

<sup>(1)</sup> Orders only with MOQ.

## NOTES:

- Pay attention to the thickness of the backlit panels. In these panels the driver is recessed between the rear compartment and the edge of the panel and does not extrude from the total thickness shown in the table.
- When installing BL panels with a surface frame, using dimmable drivers or backlighting drivers, it is necessary to order the frames with a height of 8 cm.
- The one-piece frames are equipped with a rear bracket to be fixed to the ceiling. Kit frames are fixed directly to the ceiling: the panel is slid inside the three sides already fixed before closing.



# SLIMFLUX BL IP65 - PRO BACKLIGHT

PRO	220-240V 50/60Hz	Ra>80		50000h L70 B20	IP65	-25° +40°C		G5/ h24	Risk Group 0	<b>FLICKER FREE</b>	
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art.	W	lm	K	Ra	PF	L	L1	H	UGR	
<b>60x60</b>										
LP6060B1NEX	40	4000	4000	80	0,9	595	595	32	-	6

- High-transmittance PMMA primary optics.
- Equipped with a GORE-TEX® valve to compensate for pressure variations
- SLIMFLUX BL IP65 - PRO: 6 pieces pack with single items' box.

## NOTES:

- Pay attention to the thickness of the backlit panels. In these panels the driver is recessed between the rear compartment and the edge of the panel and does not extrude from the total thickness shown in the table.
- When installing BL panels with a surface frame, using dimmable drivers or backlighting drivers, it is necessary to order the frames with a height of 8 cm.
- The one-piece frames are equipped with a rear bracket to be fixed to the ceiling. Kit frames are fixed directly to the ceiling: the panel is slid inside the three sides already fixed before closing.

# SLIMFLUX BL IP65 - PRO BACKLIGHT



LPLAFO60	LPLAFO603	LPLAFO604	LPLAFO60P	LPLAFO120	LPLAFO1203	LPLAFO301204	LPLAFO601204	KTLP-SPU	LP-SSK	FASTCON-30	KTLPW1-MS	KTEMR03	OPTIONAL DRIVERS	ZK600-14000S
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• •

• • • • •

LP6060B1NEX



**Monoblock Frames**  
LPLAFO60 thickness 6 cm  
LPLAFO120 thickness 6 cm



**Mounting kit frames**  
LPLAFO603 thickness 5cm  
LPLAFO1203 thickness 5cm  
LPLAFO604 thickness 8cm  
LPLAFO301204 thickness 8cm



**Frame with springs for flush mounting (kit to be assembled)**  
LPLAFO60P



**Power supply for backup lighting**  
KTEMR03



**Anti-fall safety wire and terminal block LP-SSK**  
Only terminal block FASTCON-30



**Adjustable suspension wires kit**  
KTLP-SPU



**Metal springs kit for recessed installation**  
KTLPW1-MS



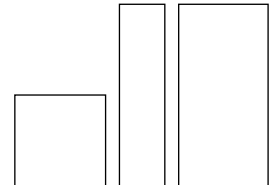
**ON/OFF, multicurrent dimmable DALI and 1-10V drivers: see drivers' section**



# SLIMFLUX BL PLAFO + UGR PLUS BACKLIGHT



PLUS
220-240V  
50/60Hz
Ra>80
35000h  
L70 B20
IP20 VI  
IP43 VO
-25°  
+35°C
G3
Risk  
Group 0
FLICKER  
FREE



art.	W	lm	K	Ra	PF	L	L1	H	UGR		
<b>60x60</b>											
LP6060P1-840	40	4000	4000	80	0,95	600	600	40	-	2000	5
LP6060P2-840	60	6000	4000	80	0,95	600	600	40	-	2100	5
LP6060P2-860	60	6000	6000	80	0,95	600	600	40	-	2100	5
<b>30x120</b>											
LP30120P1-840	40	4000	4000	80	0,95	300	1200	40	-	2400	5
<b>60x120</b>											
LP60120P1-840	60	6000	4000	80	0,95	600	1200	40	-	4500	3
<b>60x60 - UGR</b>											
LP6060P1UGR-840	40	4000	4000	80	0,95	600	600	40	<19	2300	5

- PLUS PANELS: high-transmittance PMMA primary optics.
- SLIMFLUX BL PLAFO - PLUS: 5 pieces pack with single items' box (except 60x120, 3 pieces).



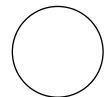


## SLIMFLUX



4000K

# SLIMFLUX ROUND - PLUS



PLUS	220-240V 50/60Hz	Ra>80		30000h L70 B20	IP20	-25° +35°C		G3	Risk Group 0
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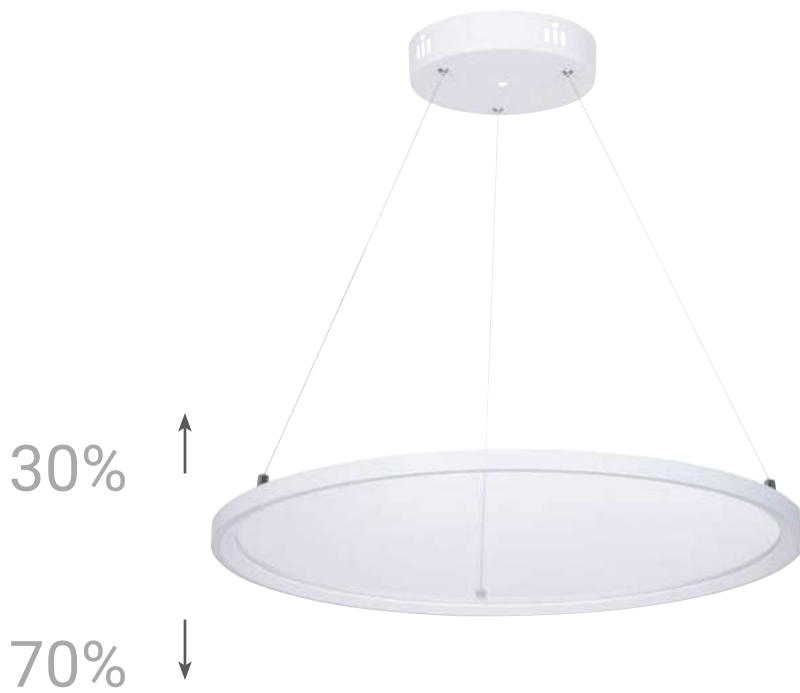
## SLIMFLUX ROUND SURFACE MOUNTING - PLUS

art.	W	lm	K	Ra	PF	Ø	L1	H	UGR		
LP60T830-A	40	3800	3000	80	0,9	592	33	19,5	-	3600	5
LP60T840-A	40	4000	4000	80	0,9	592	33	19,5	-	3200	5

## SLIMFLUX ROUND TRANSLUCENT UP&DOWN SUSPENSION - PLUS

art.	W	lm	K	Ra	PF	Ø	L1	H	UGR		
LP60T830DE-A	40	3800	3000	80	0,9	592	-	19,5	-	3200	5
LP60T840DE-A	40	4000	4000	80	0,9	592	-	19,5	-	3600	5

- High transmittance optical PMMA screen.
- Double emission upwards and downwards.
- SLIMFLUX ROUND - PLUS: 5 pieces pack with single items' box.



The power cable is one with the suspension cables, therefore invisible.

Light is diffused from the fine white frame to the methacrylate panel. Fractioned by micro incisions on the panel light is directed predominantly downwards. 30% of the light is projected upwards to create a striking effect that adds to any classic or modern environment.

NOTES:

The Round Translucent Up&Down panels are complete with suspension cables and driver integrated in the ceiling rose. Maximum suspension length 150 cm.

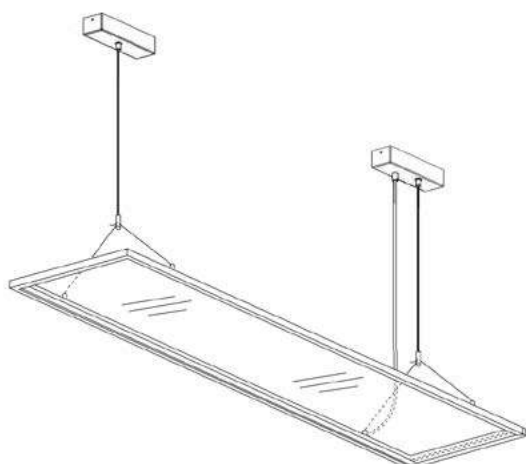


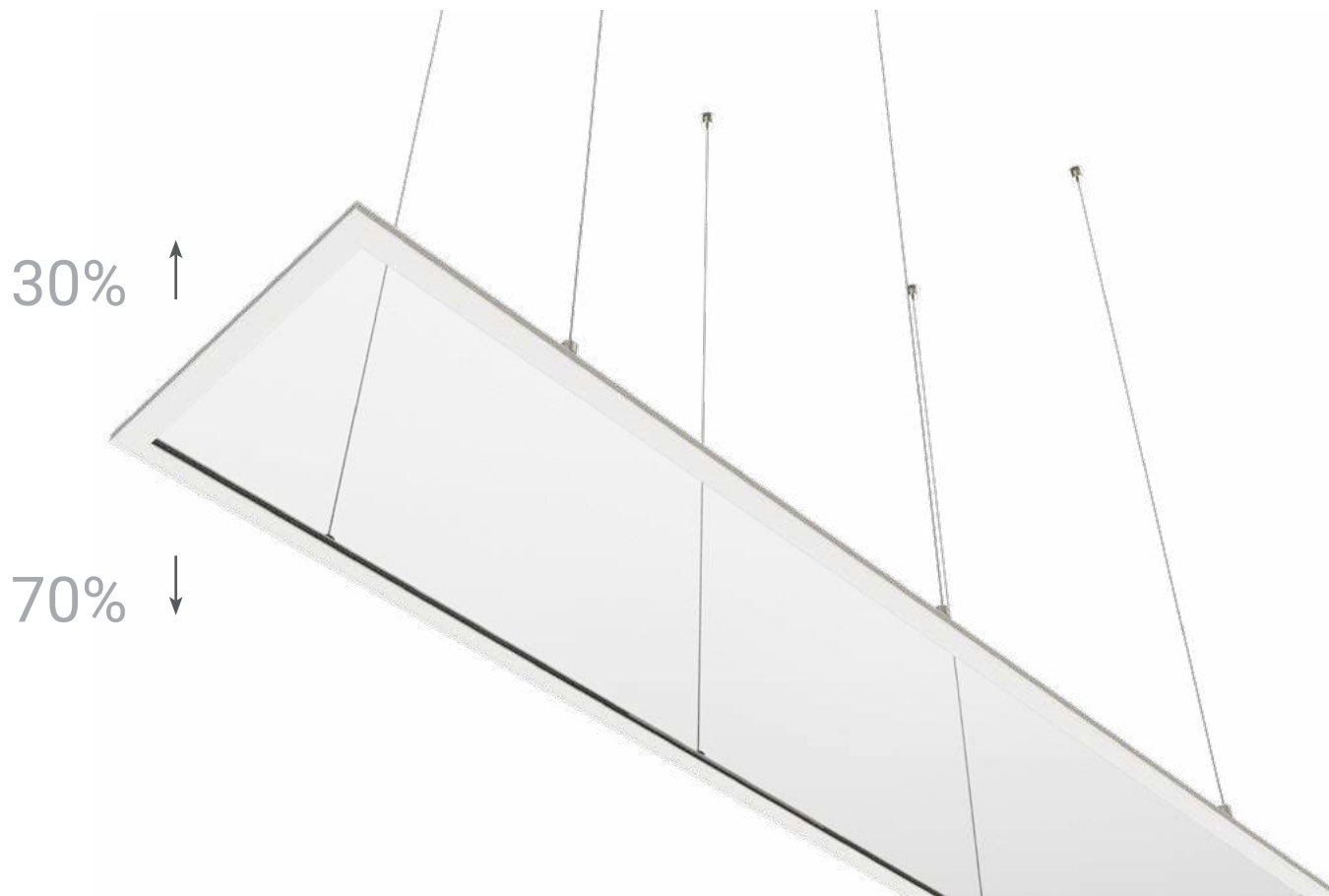
# SLIMFLUX TRANSLUCENT UP&DOWN - PLUS

PLUS	220-240V 50/60Hz	Ra>80		30000h L70 B20	IP20		-25° +35°C		G3	Risk Group 0
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art.	W	lm	K	Ra	PF	L	L1	H	UGR		
LP30120T830DE-A	40	3800	3000	80	0,9	300	1200	14,5	-	3800	5
LP30120T840DE-A	40	4000	4000	80	0,9	300	1200	14,5	-	3800	5

- High transmittance optical PMMA screen.
- Double emission upwards and downwards.
- SLIMFLUX TRANSLUCENT UP&DOWN - PLUS: 5 pieces pack with single items' box.





The power cable is one with the suspension cables, therefore invisible.

Light is diffused from the fine white frame to the methacrylate panel. Fractioned by micro incisions on the panel light is directed predominantly downwards. 30% of the light is projected upwards to create a striking effect that adds to any classic or modern environment.

**NOTES:**

The Translucent Up&Down 30x120 panels are complete with suspension cables and driver integrated in the ceiling rose. Maximum suspension length 150 cm.

**DIMMABILITY**

Can be used with 0-10V dimmers



# SLIMFLUX ACCESSORY

## TYPE

Frames for mounting LED panels on ceilings.

## CHARACTERISTICS

Make it possible to use SLIMFLUX panels in ceilings where there is no possibility to install recessed panels; frames can hide the drivers.

## MATERIALS

LPLAFO60/120: painted sheet metal. Other models in mounting kit: extruded aluminium. White colour.

## NB


The LPLAFO60 and LPLAFO120 models are installed using surface fixing brackets. Other models in mounting kit: the frame fixes directly to the surface. Screws and plugs supplied.



Slimflux 60x60: surface mounting with the frame.




art

		L	L1	H	
<b>LPLAFO60</b>	Fully assembled plus model for 60x60 panels	603	603	60	1
<b>LPLAFO120</b>	Fully assembled plus model for 120x30 panels	1203	303	60	1




art

		L	L1	H	
<b>LPLAFO603</b>	Self assembly kit Basic model for 60x60 panels - h 5 cm	600	600	50	40
<b>LPLAFO604</b>	Self assembly kit Basic model for 60x60 - kit to assemble - h 8 cm	600	600	80	25
<b>LPLAFO1203</b>	Self assembly kit Basic model for 30x120 - kit to assemble - h 5 cm	1200	300	50	20
<b>LPLAFO301204</b>	Self assembly kit Basic model for 30x120 - kit to assemble - h 8 cm	1200	300	80	20
<b>LPLAFO601204</b>	Self assembly kit Basic model for 60x120 panels - h 8 cm	1200	600	80	20


# SLIMFLUX ACCESSORY



art	Frames for recessed installation of LED panels in non-modular ceilings.	L	L1	H	
LPLAF060P	Self assembly kit Basic model for 60x60 panels	603	603	60	1




(Not suitable for Backlit panels)

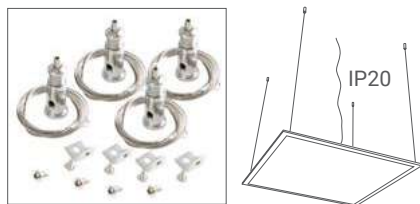
art					
KTLPW1-MS	Metal springs kit for recessed installation - 4 pieces				1




art		L	
LP-SSK	Anti-fall safety wire and terminal block	1200	1



art		L	
FASTCON-30	Terminal block with 27cm wire	270	1



art		L	
KTLP-SPU	Adjustable suspension wires kit	2000	1

# FIXTURES FOR REPLACEABLE LAMP

CHOOSE THE MOST SUITABLE LAMP, CHANGE IT WHEN NECESSARY, VARY THE BEAM ANGLE AS REQUIRED...



**PLUS**

**DURABLE WALL  
ROUND**



**PLUS**

**DURABLE WALL  
BRICK**

## APPLIQUES

DOUBLE EMISSION FOR THESE  
IP44 WALL LIGHTS

Decorative luminaires with pure lines, to be used  
with GU10 lamps, available in two colours, it fits all  
settings, modern or classic.



## SUSPENSIONS

Elegant pendants for residential and restaurants.  
And Catenaria for parties and special occasions!



**PLUS**

**DURABLE  
SUSPENSION  
GU10**

**BASIC**

**SUSPENSION  
E27**



**BASIC**

**CATENARIA**



**BASIC**

**CATENARIA**

## WALK-ON



**PLUS**

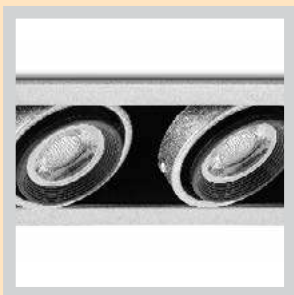
**DURABLE  
WALKABLE IP67**

An easy-to-use luminaire, for the new  
GU10 Long Life 50,000 hours or any  
PAR16 in the range, with no need for  
drivers.



# DOWNLIGHTS

**NEW**



**BASIC**  
DURABLE  
ZKR2



**BASIC**  
DURABLE  
ZKR1



**BASIC**  
ZKRR  
ORIENTABLE  
RECESSABLE RING



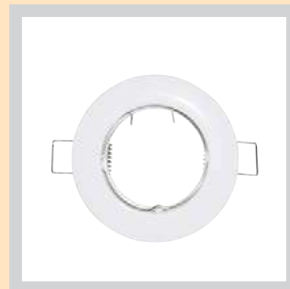
**BASIC**  
DURABLE  
BLACK  
DOWNLIGHT



**PLUS**  
ZK4 - RECESSABLE  
RING IP65



**BASIC**  
ZK4 - RECESSABLE  
RING IP20



**BASIC**  
ZK4 - RECESSABLE  
RING IP20

# TRACKLIGHT



**PLUS**  
DURABLE  
TRACK GU10



**BASIC**  
SPOT-V E27



**PLUS**  
DURABLE  
SUSPENSION  
GU10

The advantage of easy lamp replacement without the need for technical intervention: much appreciated in retail shops!



Easy with the DuraSmart range!  
Smart lamps that make life easier



DuraSmart sources are activated and managed with TUYA APPs, used by the whole world of home automation.



APP:  
TUYA SMART  
SMART LIFE

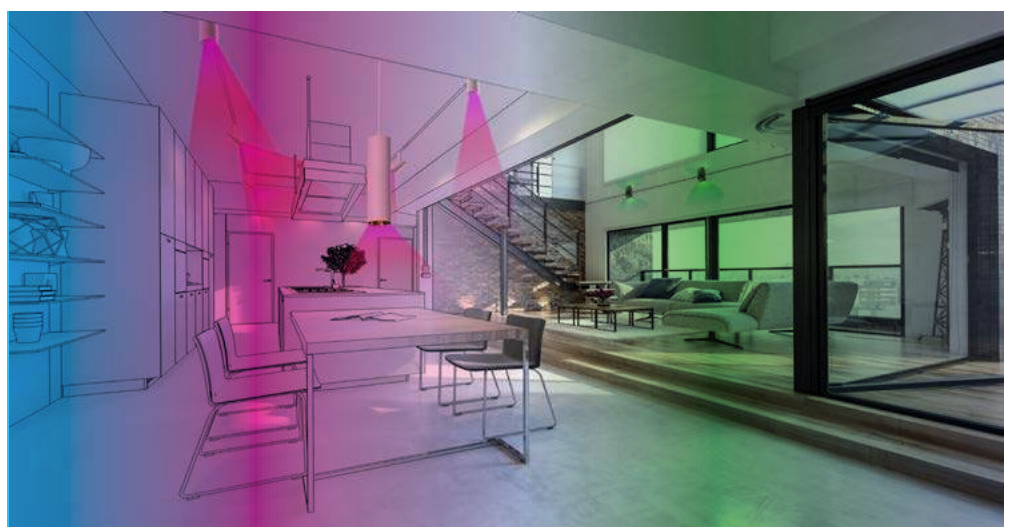


**Smart**  
control

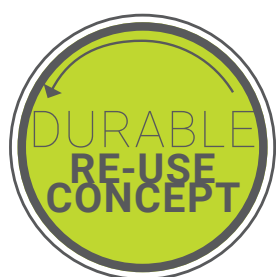


**Voice**  
control

WI-FI  
Bluetooth  
Amazon Alexa  
Assistenti Vocali Google



Colou light effects



+ DuraSmart = SMART LIFE!

The DURABLE line, luminaires for replaceable light sources, is perfect for taking advantage of the flexibility in light colour, and thus room perception, offered by the DuraSmart line of lamps.

So the pendant on the restaurant table can have cool white light for lunch and warm light for dinner, the spotlights in a shop window can emit light of any colour, for fixed or dynamic settings simply set by a smart phone.

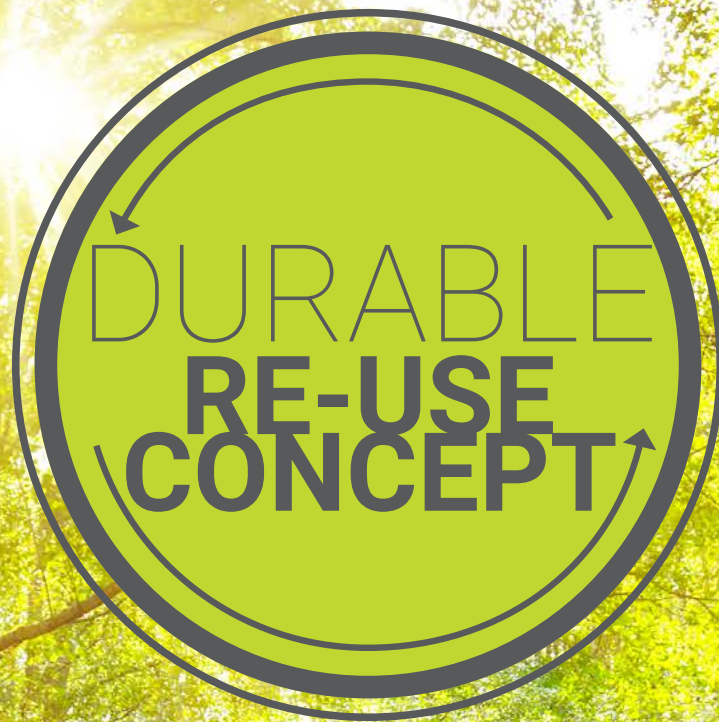


Cool white and warm white light depending on the time of day, to support the correct circadian rhythm.



System compatible with iOS 8.0 or higher; Android 4.3 or higher.





## DURABLE

LED light sources have very long lifetimes compared to lamps of the past. Technology now makes it possible to create luminaires complete with light source at previously unthinkable costs, for all kinds of applications.

Alongside these, we want to activate new product lines where you can change the source, so that they last over time....



# DURABLE - TRACK SPOT FOR GU10

## TYPE

Professional LED projectors for track mounting with GU10 lampholder.

## CHARACTERISTICS

Can be used with Eurostandard Plus tracks as well as with other brands' Staff, Nordlux, Nordic, Global, etc.

## OPTIC

Can be used with all GU10 lamps in the catalogue: select the desired power and beam opening.

## MATERIALS

Die-cast painted aluminium body.

## MOUNTING

Onto an electrical track in 3 phases; fixtures equipped with a safety lock to fix to the tracks.



PLUS	220-240V 50/60Hz	IP20	-25° +35°C		G3
------	---------------------	------	---------------	--	----

The luminaire does not include the lamp: choose the most suitable lamp from our range. For professional use we suggest items 28530LL/28540LL.

art.		Ø	L	L1		8011905		
DBTR160-W		GU10	60	130	170	290	980535	20
DBTR160-B		GU10	60	130	170	290	981082	20

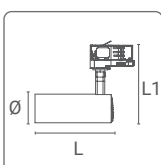
# MULTI GU10LL

PLUS	220-240V 50/60Hz	Ra>80		50000h L70	IP20	-25° +35°C	G5/ h24	
------	---------------------	-------	--	---------------	------	---------------	------------	--



art.	W		lm	cd	K		Ø	H	8011905	
28530LL	4,5	GU10	580	900	3000	38°	50	55	979911	10
28540LL	6	GU10	700	850	4000	38°	50	55	979928	10

• Minimum Order Quantity



DURASMART 36°



MULTI GU10: 38° - 50°



MULTI 100: 100°



XSPOT: 10°



SIRIUS-P





# TRACK MOUNTING FITTING FOR REPLACEABLE LAMP

## TYPE

Adjustable fitting complete with adaptor for track mounting and E27 lampholder.

## CHARACTERISTICS

Satisfies the needs of those who prefer a track-mounted luminaire for replaceable lamps.

Can be used with Eurostandard Plus tracks as well as with other brands': Staff, Nordlux, Nordic, Global, Nuco etc.

Adjustable from +90° to -90° on the vertical plane and 350° on the horizontal plane.

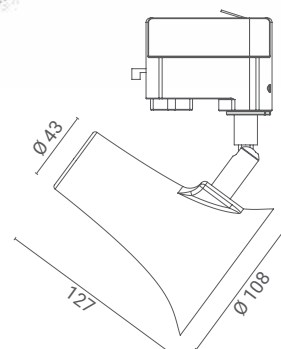
Suitable for PAR20, PAR30, PAR38, REFLECT LED, A60 lamps: see the list of lamps that can be fitted. Max 30W.

## MATERIALS

Die-cast painted aluminium body, white color; steel adjustable arm.

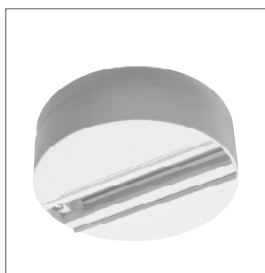
## MONTING

Mounting on an electrical track in 3 phases; fixtures equipped with a safety lock to fix to the tracks.



BASIC	IP20	-25° +35°C	G3
-------	------	---------------	----

art.		Ø	L			
SP01-W	E27	108	127	277	8011905 935252	1



Adapter for surface installations

art			
B60220		8007753 309284	1
B60221		8007753 309277	1

CAN BE USED WITH PAR38 L868W, L868; REFLECTLED: L758WB, L915WB; A60: DA6020W.



# DURABLE - PENDANT FOR GU10

## TYPE

Pendant luminaire for direct lighting, for replaceable lamp with GU10 socket.

## CHARACTERISTICS

Minimal, simple design and precise finishing. Available in different size and colours.

## OPTIC

Can be used with all GU10 lamps in the catalogue: select the desired power and beam opening.

## MATERIAL

Die-cast painted aluminium body.

## NB

Cable length 1,5 m.



PLUS	220-240V 50/60Hz	IP20	-25° +35°C		G3
------	---------------------	------	---------------	--	----

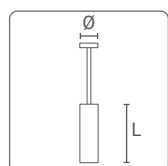
The luminaire does not include the lamp: choose the most suitable lamp from our range. For professional use we suggest items 28530LL/28540LL.



art.			Ø	L	8011905	
DBSP115-W	<input type="checkbox"/>	GU10	60	150	980573	20
DBSP115-B	<input checked="" type="checkbox"/>	GU10	60	150	981105	20
DBSP130-W	<input type="checkbox"/>	GU10	60	300	980559	20
DBSP130-B	<input checked="" type="checkbox"/>	GU10	60	300	981099	20



art.			Ø	L	8011905	
DBSP215-W	<input type="checkbox"/>	GU10	60	150	982225	20
DBSP215-B	<input checked="" type="checkbox"/>	GU10	60	150	982232	20
DBSP230-W	<input type="checkbox"/>	GU10	60	300	982249	20
DBSP230-B	<input checked="" type="checkbox"/>	GU10	60	300	982256	20



DURASMART 36°



MULTI GU10: 38° - 50°



MULTI 100: 100°



XSPOT: 10°



SIRIUS-P





# SUSPENSION CABLES WITH E27 LAMP HOLDER AND CEILING CUP

## TYPE

Diverse materials suspension wires with E27 lamp holder and ceiling cup.

## CHARACTERISTICS

Minimal, simple design and precise finishing.

## MATERIAL

Silicone for white and black versions; metal for other models.

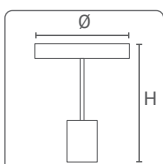
## NB

Cable length 2 m.



BASIC	220-240V 50/60Hz	MAX 30W	E27	IP20	G2
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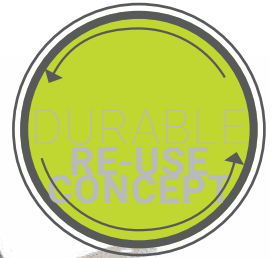
art.			Ø	H	8011905	
TN-E27N		E27	85	2000	850692	10
TN-E27B		E27	85	2000	850708	10
TN-E27CR		E27	100	2000	850715	10
TN-E27CU		E27	100	2000	850722	10
TN-E27OT		E27	100	2000	861575	10







# DURABLE BLACK DOWNLIGHT



## TYPE

Adjustable, square and round recessed luminaire with shiny black reflector and GU10 lamp socket.

Can be modified with the optional glossy metallic reflector.

## CHARACTERISTICS

Recessed luminaires with a cuthole size similar to the old halogen recessed luminaires are widely used in retail installations. In addition to meeting the needs of those who prefer a recessed luminaire for replaceable lamps, DURABLE NERO offers the possibility of achieving two different atmospheres just by changing the reflector.

Houses PAR16 lamps; compatible with all GU10 lamps in the Duralamp catalogue.

Max 10W.

## MATERIALS

Polycarbonate.

## MOUNTING

Recessed with the special galvanised aluminium springs. Complete with GU10 lamp holder.



<b>BASIC</b>	220-240V 50/60Hz	IP20	-25° +45°C	G2
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art.		L	L1	H			8011905	
<b>New</b> DBDQ100-A	x GU10	90	90	52	75x75	154	015336	1



art.		∅	H			8011905	
<b>New</b> DBDT100-A	x GU10	90	52	75	138	015329	1

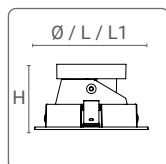


art.	Silver Reflector PC	∅/L	L1	H		8011905	
<b>New</b> KTDB-RQ-S	Square	70	70	23	103	325763	5



<b>New</b> KTDB-RT-S	Round	70	-	25	63	325756	5
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• Minimum Order Quantity



PAR16 CLASSE A



MULTI GU10: 38° - 50°



MULTI 100: 100°



XSPOT: 10°



SIRIUS-P





# DURABLE - WALL LAMP TONDO IP44

## TYPE

Double emission wall light for replaceable lamp with GU10 socket.

## CHARACTERISTICS

The design of the fixture sees the positioning of the lamp a few centimetres from the wall allowing the cone of light to develop on the wall in a harmonious way, without excessive glare.

## OPTICS

Can be used with all GU10 lamps in the catalogue: select the desired power and beam opening.

## MATERIALS

Aluminium body with epoxy coating; glass diffusers.

## MONTING

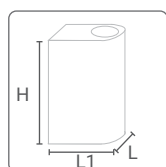
By means of the rear bracket.



PLUS	220-240V 50/60Hz	IP44	-25° +35°C		G3
------	---------------------	------	---------------	--	----

The luminaire does not include the lamp: choose the most suitable lamp from our range. For professional use we suggest items 28530LL/28540LL.

art.			L	L1	H		8011905	
DBAT100-W		GU10	67	93	152	470	980597	20
DBAT100-B		GU10	67	93	152	470	981112	20



DURASMART 36°



MULTI GU10: 38° - 50°



MULTI 100: 100°



XSPOT: 10°



SIRIUS-P



# DURABLE - WALL LAMP BRICK IP44

## TYPE

Double emission wall light for replaceable lamp with GU10 socket.

## CHARACTERISTICS

The design of the fixture sees the positioning of the lamp a few centimetres from the wall allowing the cone of light to develop on the wall in a harmonious way, without excessive glare.

## OPTICS

Can be used with all GU10 lamps in the catalogue: select the desired power and beam opening.

## MATERIALS

Aluminium body with epoxy coating; glass diffusers.

## MONTING

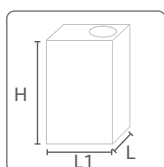
By means of the rear bracket.



PLUS	220-240V 50/60Hz	IP44	-25° +35°C		G3
------	---------------------	------	---------------	--	----

The luminaire does not include the lamp: choose the most suitable lamp from our range.  
For professional use we suggest items 28530LL/28540LL.

art.			L	L1	H		8011905	
DBAQ100-W		GU10	67	95	152	550	980610	20
DBAQ100-B		GU10	67	95	152	550	981129	20



DURASMART 36°



MULTI GU10: 38° - 50°



MULTI 100: 100°



XSPOT: 10°



SIRIUS-P







# INGROUND WALK-ON IP67

## TYPE

Walk-on fixture for inground installation complete with GU10 lampholder.

## CHARACTERISTICS

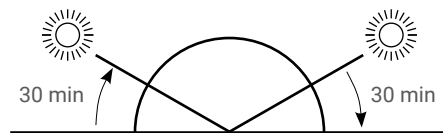
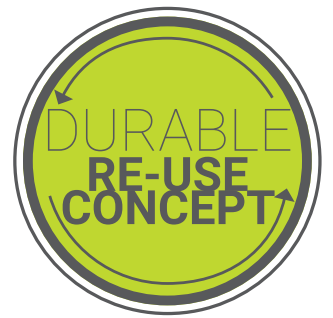
Complete with steel outer ring and screws, clear glass.

## OPTIC

Can be used with all GU10 lamps in the catalogue: select the desired power and beam opening.

## MATERIALS

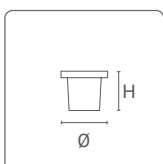
Metal body, brushed steel ring, shockproof IK10 glass screen; plastic sleeve.



PLUS		220-240V 50/60Hz	IP67	IK10	-20° +35°C		G3
------	--	---------------------	------	------	---------------	--	----

The luminaire does not include the lamp: choose the most suitable lamp from our range. For professional use we suggest items 28530LL/28540LL.

art.		Ø	H		
DBIN100-0	GU10	110	125	8011905 980627	20



DURASMART 36°



MULTI GU10: 38° - 50°



MULTI 100: 100°



XSPOT: 10°



SIRIUS-P



# CATENARIA

## TYPE

Long run conductive cable with 24 factory attached lamp holders.

## CHARACTERISTICS

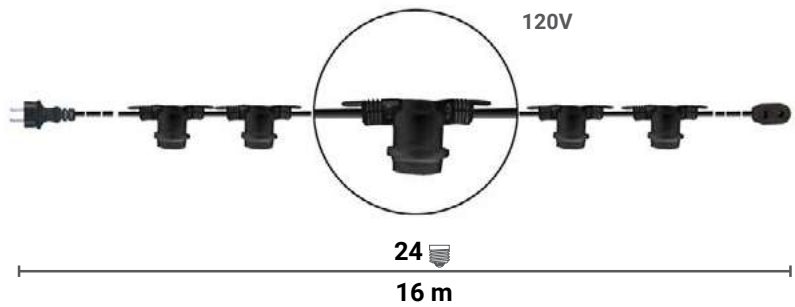
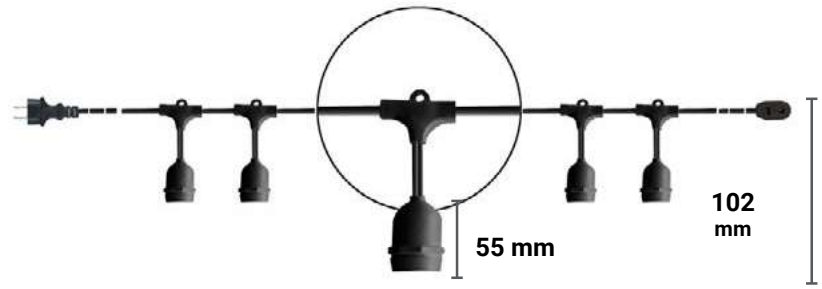
Two different models: with lamp holder on the cable or with pendant. Lampholders are fitted with IP44 protection rings.

## APPLICATIONS

Widely used for festoons indoor and outdoor garden lighting decoration, patio umbrella lighting, etc. Suggested lamps PING BALL, Color GLS or Stargazer lamp.

## NB

Factory prepped outdoor IP44 Schuko socket for Europe, US plug or end prep wiring options for the USA. Cannot be connected in series.



art.	W max	W max Tot	N#		L	8011905	
CLE2724	25	670	24	E27	16 m	843823	4



E26 base: for countries at mains = 120V

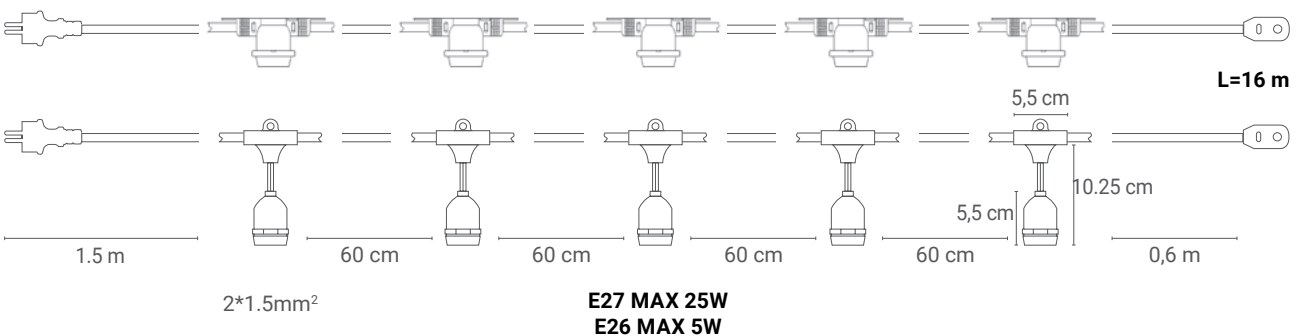
CLE2624 *	5	120	24	E26	16 m	43830	4
-----------	---	-----	----	-----	------	-------	---



E26 base: for countries at mains = 120V

CLE2624S *	5	120	24	E26	16 m	976644	4
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\* Available upon order also with GU10 lampholder.



# CATENARIA IN SERIES VERSION

## TYPE

Long run conductive cable with 15 factory attached lamp holders.

## CHARACTERISTICS

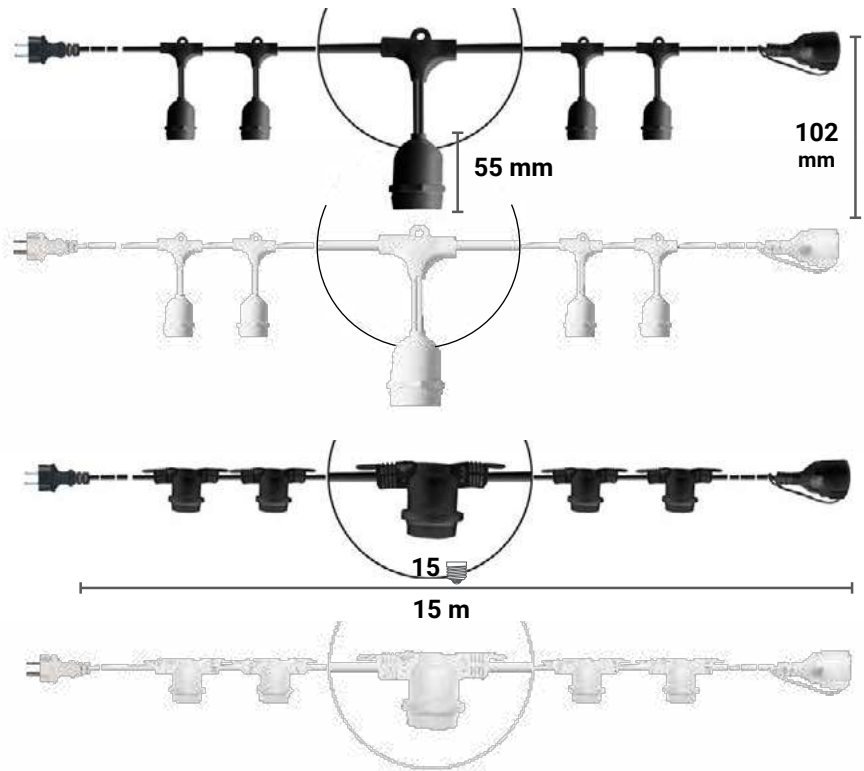
Two different models: with lamp holder on the cable or with pendant. The 15 lamp holder sockets can be linked in series. Lampholders are fitted with IP44 protection rings.

## APPLICATIONS

Widely used for festoons indoor and outdoor garden lighting decoration, patio umbrella lighting, etc. Suggested lamps PING BALL, Color GLS or Stargazer lamp.

## NB

Only Catenaria with 15 lamp holders can be connected in serie with the IP44 Schuko plug and socket on the sides.



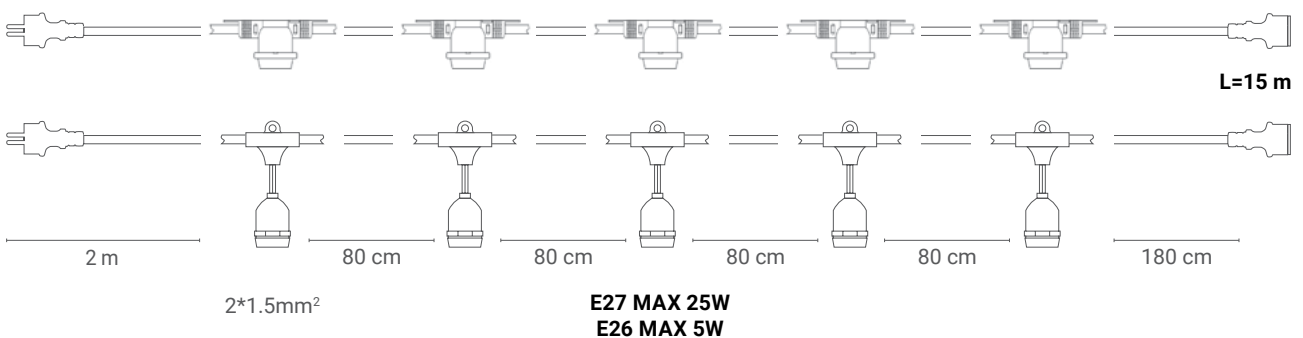
<b>BASIC</b>	220-240V 50/60Hz	IP44	-25° +35°C		G2
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Catenaria with 15 lamp holders can be connected consecutively up to a maximum length of 45 metres. Also available in white, perfect for reception areas, weddings etc....



art.	W max	W max Tot	N#		L	8011905	
CLE2715	25	370	15	E27	15 m	856144	4
CLE2715-WH	25	370	15	E27	15 m	950736	4
CLE2715-S	25	370	15	E27	15 m	856168	4
CLE2715-SWH	25	370	15	E27	15 m	950729	4





# MULTI-OPTIC RECESSED FIXTURE

## TYPE

Rectangular recessed fixture for two adjustable GU10 lamps.

## CHARACTERISTICS

Widely used in retail installations, it meets the needs of those who prefer a recessed ceiling luminaire with replaceable lamps. It offers the advantage of having both multidirectional and adjustable light beams from +15° to -15° in the vertical plane. Houses PAR16 lamps; compatible with all GU10 lamps in the Duralamp catalogue. Max 30W.

## MATERIALS

Body painted aluminium.

## MOUNTING

Recessed with the special galvanised aluminium springs. Complete with GU10 lamp holder

Silver colour frame and rings.

ZKR2-ST



Silver colour frame and black rings.

ZKR2-STB



BASIC	220-240V 50/60Hz	IP20 VI IP23 VO		-25° +45°C		G5/ h24
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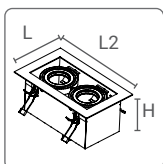
art.		L	L2	H			
ZKR2-ST		GU10	107	202	110	95x180	8011905 935269 1
ZKR2-STB		GU10	107	202	110	95x180	981693 1

The luminaire does not include the lamp: choose the most suitable lamp from our range.  
For professional use we suggest items 28530LL/28540LL.

The front ring locks the lamp



In this picture with MULTI100 GU10.



DURASMART 36°



MULTI GU10: 38° - 50°



MULTI 100: 100°



XSPOT: 10°



SIRIUS-P



# SINGLE-OPTIC RECESSED FIXTURE

## TYPE

Rectangular recessed fixture for one adjustable GU10 lamp.

## CHARACTERISTICS

Widely used in retail installations, it meets the needs of those who prefer a recessed ceiling luminaire with replaceable lamps. It offers the advantage of having both multidirectional and adjustable light beams from + 15 ° to -15 ° in the vertical plane. Houses PAR16 lamps; compatible with all GU10 lamps in the Duralamp catalogue.

Max 15W.

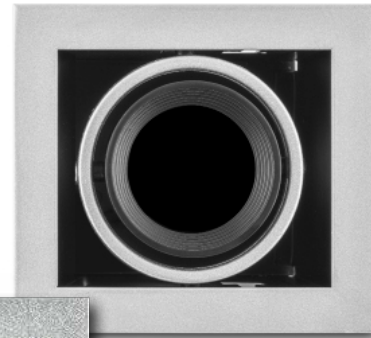
## MATERIALS

Body in black painted aluminium with silver colour frame.

## MOUNTING

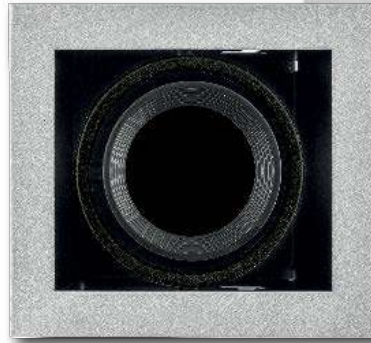
Recessed with the special galvanised aluminium springs. Complete with GU10 lamp holder

Silver colour frame and rings.



ZKR1-ST

The front ring locks the lamp



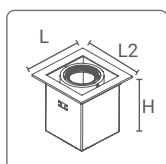
Silver colour frame and black ring.

ZKR1-STB

<b>BASIC</b>	220-240V 50/60Hz	IP20		-25° +45°C	G5/ h24
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The luminaire does not include the lamp: choose the most suitable lamp from our range. For professional use we suggest items 28530LL/28540LL.

art.		L	L2	H			
ZKR1-ST		GU10	110	110	125	95x95	8011905   975845   1
ZKR1-STB		GU10	110	110	125	95x95	981693   981693   1



DURASMART 36°



MULTI GU10: 38° - 50°



MULTI 100: 100°



XSPOT: 10°



SIRIUS-P



# ZKRR RECESSABLE RING: ADJUSTABLE AND WITH OPTIONAL OPTICS

## TYPE

Recessed orientable ring with interchangeable optional optics for MR16, PAR16 lamps and Module.

## CHARACTERISTICS

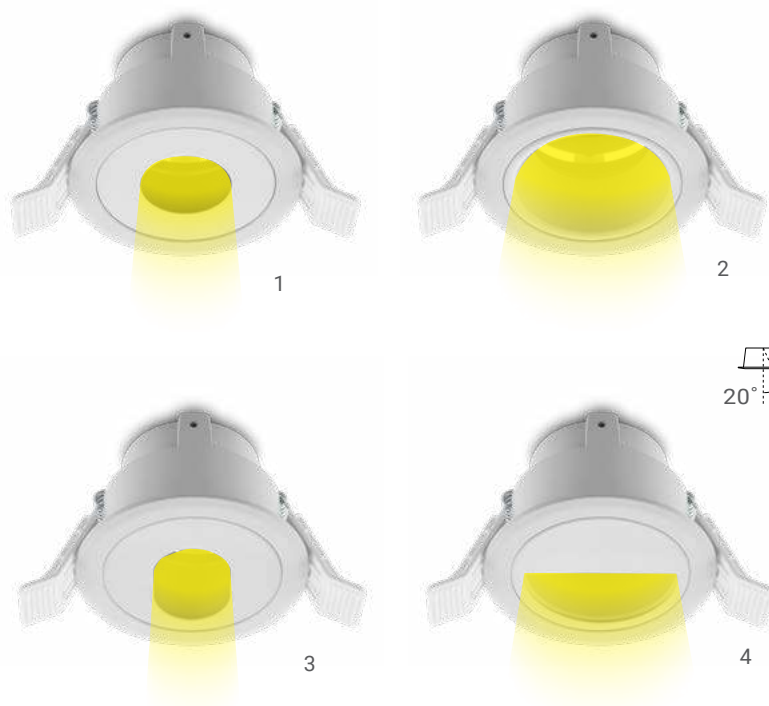
The recessed ring, that allows an orientation of the source of 20°, can be fitted (snap on) with metal optics that can modify the lighting output by offering accent or antiglare solutions.

## MATERIALS

Body and optics in painted metal body.

## MOUNTING

Equipped with springs for quick installation.



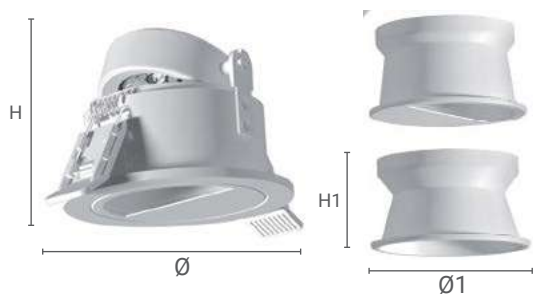
The possibility to easily change the beam using the beam shapers, allows to obtain different effects with the same fixture: ideal in retail spaces.

The ZKRR ring mounts the lamp in a recessed position of 4 cm.

BASIC G5/h24

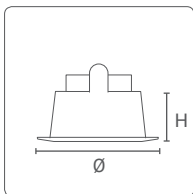
art.		∅	H	!	8011905	📦
ZKRR	Adjustable recessed ring - White colour	90	53	78	844059	10

To be completed with the wired lampholders code T053 and T010.



art.		Photo	∅	∅1	H	H1	!	8011905	📦
ZK001	Spot effect beam shaper	1	90	68,5	53	36,7	78	844066	10
ZK002	Wide beam shaper	2	90	68,5	53	36,7	78	844073	10
ZK003	Side beam shaper	3	90	68,5	53	36,7	78	844080	10
ZK004	Wall washer	4	90	68,5	53	36,7	78	844097	10

To be completed with GU10 or GU5.3 lampholder



# ZK RECESSABLE RINGS: FIXED IP65

## TYPE

Recessed orientable ring with interchangeable optional optics for MR16 and PAR16 lamps. IP65 fixed version.

## CHARACTERISTICS

The same ring declined in two versions to fulfill different installation needs in the same environments. Ring for recessed installation of MR16 / PAR16 lamps complete with front screen.

## MATERIALS

Painted metal body.

## MOUNTING

Equipped with springs for quick installation.



IP65



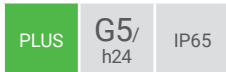
IP65



1



2



art.	Photo		Ø/L1	H			
ZKR65QB	1	IP65 Square white ring	90	33	72	836863	10
ZKR65QG	2	IP65 Square gray ring	90	33	72	836870	10

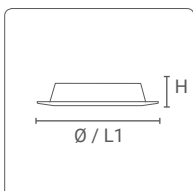


3



4

art.	Photo		Ø/L1	H			
ZKR65TB	3	IP65 Round white ring	90	33	72	836849	10
ZKR65TG	4	IP65 Round gray ring	90	33	72	836856	10



To be completed with GU10 or GU5.3 lampholder





# ZK RECESSABLE RINGS: ORIENTABLE IP20

## TYPE

Recessed orientable ring with interchangeable optional optics for MR16 and PAR16 lamps. IP20 orientable.

## CHARACTERISTICS

The same ring declined in two versions to fulfill different installation needs in the same environments. Ring for recessed installation of MR16 / PAR16 lamps complete with front screen.

## MATERIALS

Painted metal body.

## MOUNTING

Equipped with springs for quick installation.



ADJUSTABLE 30°  
IP20



ADJUSTABLE 30°  
IP20



5



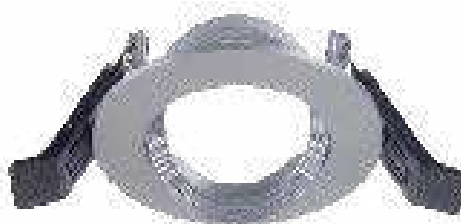
6

BASIC	IP20	G5/h24
-------	------	--------

art.	Photo	Ø/L1	H			
ZKRQB	5 IP20 Square white ring	90	33	72	836825	10
ZKRQG	6 IP20 Square gray ring	90	33	72	836832	10

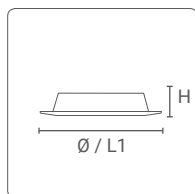


7

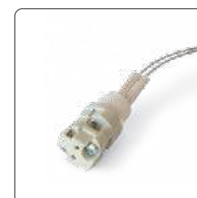


8

art.	Photo	Ø/L1	H			
ZKRTB	7 IP20 Round white ring	90	33	72	836801	10
ZKRTG	8 IP20 Round gray ring	90	33	72	836818	10



To be completed with GU10 or GU5.3 lampholder



# ZK RECESSABLE RING: IP20 FIXED

## TYPE

Ring for recessed installation of MR16/PAR16 lamps, IP20.

## CHARACTERISTICS

The spring type lamp holder allows this recessed mounting ring to be used with any type of lamp fitted with a front closure.

## MATERIALS

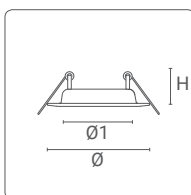
White painted metal body.



## MOUNTING

Equipped with springs for quick installation. To be completed with the wired lampholders code T053 and T010.





art.	Ø1	Ø	H		 8011905	
ZKRTB2	51	78	26	65	861483	10



art.	 8011905	
T053	Kit lampholder GU5,3 + terminal block	834388 4



art.	 8011905	
T010	Kit lampholder GU10 + terminal block	834371 4

• Minimum Order Quantity

# INDUSTRIAL

## BATTEN



**BASIC**

FILINO T5



**PRO**

BATTEN BT3  
IP65



**NEW**

**PRO**

DAMP PROOF  
CCT IP65

General indoor and outdoor lighting, diffuse light in the three classic sizes. Wide choice of versions with LED and CCT, with tubes on board or without tubes.  
For use in shops, workshops, garages, cellars....



**BASIC**

**NEW**

MINI BATTEN  
IP65

**NEW**

**BASIC**

DAMP PROOF IP65  
WITH TUBES  
25000h / 50000h

**NEW**

**BASIC**

DAMP PROOF IP65  
WITHOUT TUBES

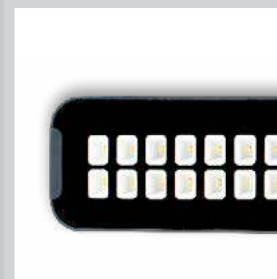
LINEAR HIGH BAY

3000K  
4000K



**BASIC**

HBL BEATRIX  
IP65



**PRO**

HBL BEATRIX  
IP65

The BEATRIX Linear HighBay is much more than it looks! Unique aesthetics, enhanced in the 50,000h PRO version, linkable in cascade and with a cool black finish. The BASIC version features natural and warm light colour, ideal in retail and offices.

# HIGH BAY



**PRO**

**HB2 PRO  
IP65**

From the simplest requirements to technical applications in the production as well as retail environments. Luminaires capable of high light output, continuously updated in technology.

**NEW**



**PRO**

**NEW**

**HB5 - IP65**



**PRO**

**HB6 CCT  
IP65**

# FLOODLIGHT PROJECTORS

The range of low-profile projectors has expanded considerably: from 10W to 350W, with a choice of light colour and luminaire body, for any type of indoor or outdoor use.



**PLUS**

**PANTH ST  
IP65**



**PLUS**

**PANTH EVO  
IP65**



**PLUS**

**PANTH SL2  
IP65**



**PLUS**

**PANTH EVO  
PIR SENSOR  
IP44**



**PRO**

**PANTH H1  
IP65**

**NEW**



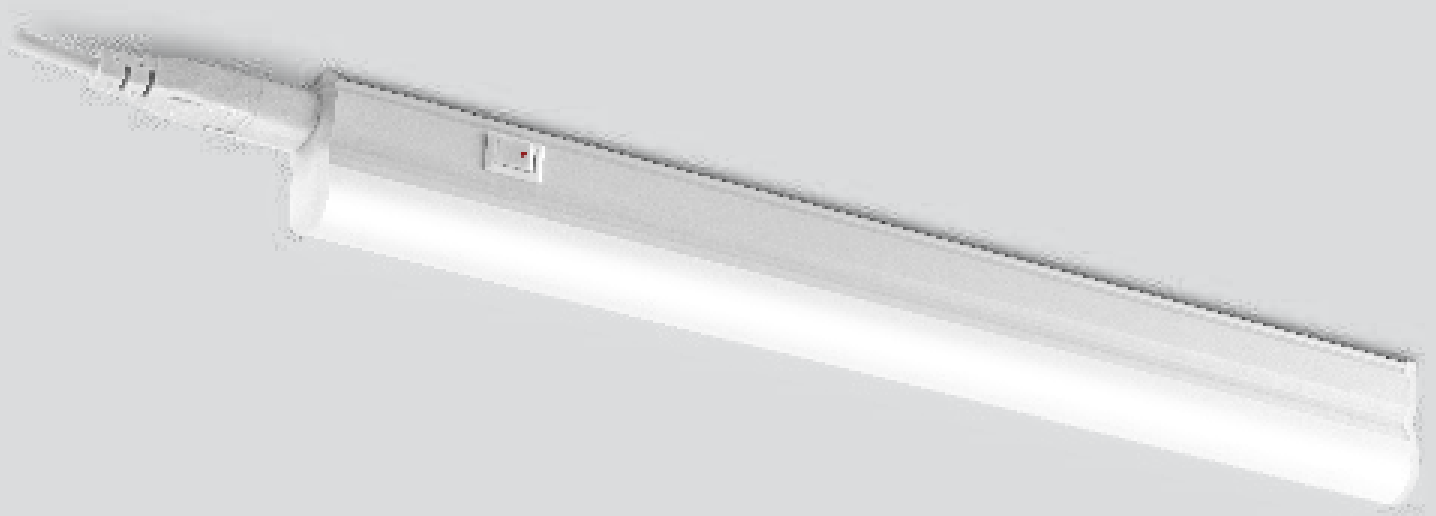
**PRO**

**PANTH H1  
SENSOR  
IP65**

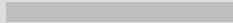
**NEW**



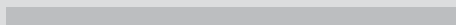
# FILINO T5



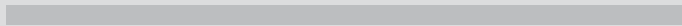
30 CM 3000K - 4000K - 6000K



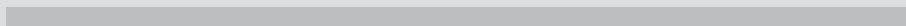
60 CM 3000K - 4000K - 6000K



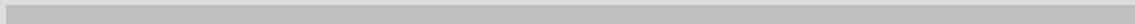
90 CM 3000K - 4000K - 6000K



120 CM 3000K - 4000K - 6000K



150 CM 3000K - 4000K - 6000K



## APPLICATIONS

Shelving lights for stores,  
and under and over  
cabinets etc.



ANGULAR CONNECTIONS



INSTALLATIONS IN  
CONTINUOUS LINES



LIGHT CONTINUITY WITHOUT  
INTERRUPTIONS

# FILINO T5

## TYPE

LED T5 replacement professional undercabinet/ceiling batten light.

## CHARACTERISTICS

It attaches to both walls and ceilings using the clip included. Filino T5 batten can be installed in series code KTLRT, up to a maximum of 10 units (20W/23W); 15 units (10W/14W); 20 units 4W. Exceptional light quality & easy fixing with the clips provided. On/off switch on the batten body; Free-wire connection: use the accessory cable with a separate code if a plug is required. Filino T5 batten can be installed in series by joining together the units or using the accessory connection cable, code KTLRT.

## MATERIALS

Shockproof plastic body and screen; anti-glare milky white screen. Package complete with free wires, connection, 4.



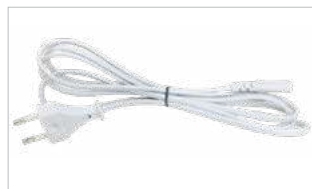
BASIC	220-240V 50/60Hz	Ra>80		20000h L70 B30	IP20	-25° +35°C		G2	Risk Group 0
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art.	W	lm	cd	K		L	H	L2			
LRT530WW	4	300	55	3000	270°	24	39	300	100	8011905	10
LRT530NW	4	350	64	4000	270°	24	39	300	100	936716	10
LRT530CW	4	400	74	6000	270°	24	39	300	100	936723	10
LRT560WW	10	850	157	3000	270°	24	39	600	134	910518	10
LRT560NW	8	850	167	4000	270°	24	39	600	134	861100	10
LRT560CW	8	900	186	6000	270°	24	39	600	134	910495	10
LRT590WW	14	1210	223	3000	270°	24	39	900	200	936730	10
LRT590NW	14	1450	232	4000	270°	24	39	900	200	936747	10
LRT590CW	14	1800	241	6000	270°	24	39	900	200	936754	10
LRT5120WW	18	1900	325	3000	270°	24	39	1200	235	910471	10
LRT5120NW	18	1900	335	4000	270°	24	39	1200	235	861117	10
LRT5120CW	20	1950	353	6000	270°	24	39	1200	235	910457	10
LRT5150WW	23	2050	260	3000	270°	24	39	1500	250	936761	10
LRT5150NW	24	2400	369	4000	270°	24	39	1500	250	936778	10
LRT5150CW	23	2150	378	6000	270°	24	39	1500	250	936785	10



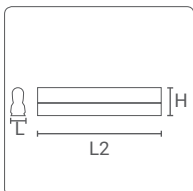
Connection wire 15.6 cm

art	L	L2		
KTLRT	19	15,6	8011905	1



Wire with plug for Reglette Filino T5

art	L2		
KTLRT-CORD	2000	939946	1



# MINI BATTEN IP65



# MINI BATTEN IP65

## TYPE

Luminaire with dimensions quite similar to a T8 tube with the advantage of direct mains connection and IP65 protection.

## CHARACTERISTICS

Ease of use in various applications, even in wet and dusty environments thanks to IP65: easily removable and repositionable.

Great energy saving.

Immediate switch on, no flickering or buzzes.

## MATERIAL

Flame retardant PC.




## ASSEMBLY

It attaches to the clips with which the product is supplied.

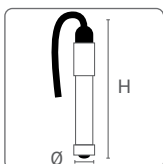
## APPLICATIONS

Workshops, production areas, garages, service corridors, commercial installations.

BASIC	220-240V 50/60Hz	Ra>80		30000h L70 B50	IP65	-25° +35°C	G2	<b>RL</b> REALI LUMENS
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	art.	W	lm	K	PF		Ø	H	 8011905	
New	BM120NW	20	2200	4000	0,9	160°	29	1200	016524	10
New	BM120CW	20	2250	6000	0,9	160°	29	1200	016531	10

• Minimum Order Quantity





# BATTEN BT3

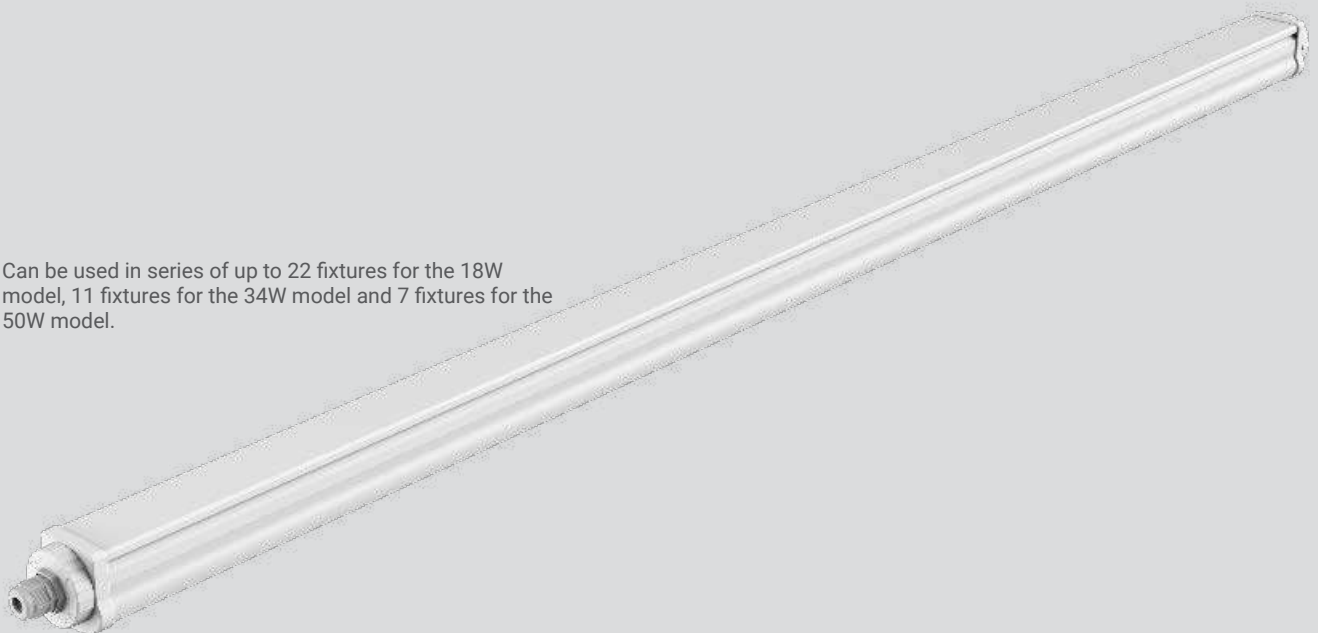
Designed for environments where diffused lighting and elevated visual comfort are required.



IP65 rapid connection

Impact resistant extruded polycarbonate

Can be used in series of up to 22 fixtures for the 18W model, 11 fixtures for the 34W model and 7 fixtures for the 50W model.



# BATTEN BT3

## TYPE

Linear ceiling fixture equipped with high efficiency LED sources. Fitted with a quick spring clamp for connection in series.

## CHARACTERISTICS

Quick opening mechanism for wiring. Easy to connect in series thanks to the quick spring clamp supplied.

Can be used in series of up to 22 fixtures for the 18W model, 11 fixtures for the 34W model and 7 fixtures for the 50W model.

## MATERIALS

Polycarbonate body: opal polycarbonate screen equipped with internal fins for flow recovery and emission optimisation.

## ASSEMBLY

AISI 316 stainless steel 'snap on' bracket to anchor to the ceiling or to be used to suspend the fixture.

Every batten is equipped with brackets.

Adjustable suspension cables available as a separate code.

## APPLICATIONS

Supermarkets, car parks, laboratories, warehouses.etc.

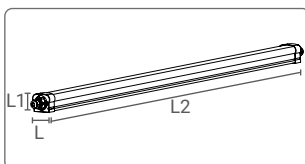


PRO	220-240V 50/60Hz	Ra>80		50000h L70 B20	IP65	IK08		G5/ h24	Risk Group 1
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art.	W	lm	K	PF		L	L1	L2		8011905	
BT105W	18	2025	3000	0,9	120°	63	63	600	850	974615	10
BT105N	18	2250	4000	0,9	120°	63	63	600	850	976408	10
BT105C	18	2250	6000	0,9	120°	63	63	600	850	976392	10
BT103W	34	4050	3000	0,9	120°	63	63	1200	850	941130	10
BT103N	34	4300	4000	0,9	120°	63	63	1200	850	941116	10
BT103C	34	4450	6000	0,9	120°	63	63	1200	850	941123	10
BT104W	50	6050	3000	0,9	120°	63	63	1500	1100	941161	10
BT104N	50	6300	4000	0,9	120°	63	63	1500	1100	941147	10
BT104C	50	6450	6000	0,9	120°	63	63	1500	1100	941154	10



art.	L	8011905	
KT-BT1-FS Adjustable suspension wires kit	1000	927653	1



# DAMP PROOF MULTIPOWER CCT IP65 LED LUMINAIRE

9W  
20W  
30W

18W  
40W  
60W

SWITCH 1

NATURAL WHITE

COOL WHITE

4000K

5000K

6500K

SWITCH 2



9W-18W  
1350-2700LM



20W-40W  
3000-6000LM



30W-60W  
4500-9000LM

# DAMP PROOF MULTIPOWER CCT IP65 LED LUMINAIRE

## TYPE

Waterproof linear ceiling light equipped with high-efficiency LEDs. Fitted with a quick spring clamp for connection in series.

## CHARACTERISTICS

Quick opening mechanism for wiring. Easy to connect in series thanks to the quick spring clamp supplied.

## MATERIAL

Polycarbonate body: opal polycarbonate screen equipped with internal fins for flow recovery and emission optimization.

## ASSEMBLY

"Snap on" AISI 316 stainless steel brackets for ceiling or suspension installation. Every batten is equipped with brackets.

## APPLICATIONS

Supermarkets, car parks, laboratories, warehouses.

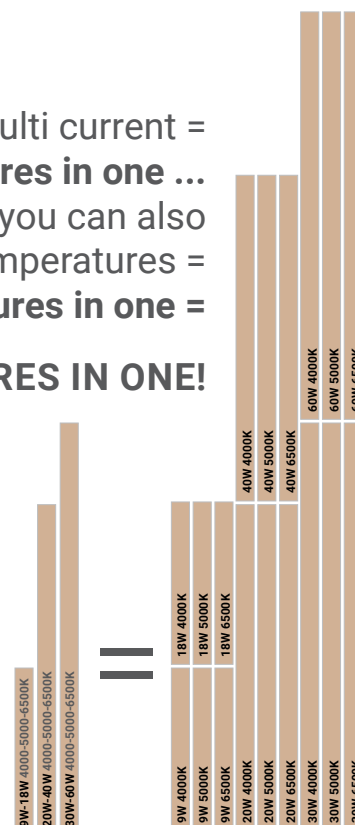
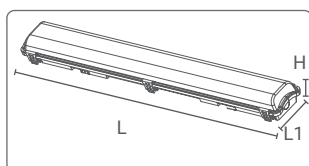
PRO	220-240V 50/60Hz	50000h L70 B20	IP65	IK08		G5	Risk Group 0
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art.	W	lm	K	PF	L	L1	H		
<b>New</b> SM060CCT	9-18	1350-2700	4000-5000-6500	0,7	600	85	70	015244	6
<b>New</b> SM120CCT	20-40	3000-6000	4000-5000-6500	0,7	1200	85	70	015251	6
<b>New</b> SM150CCT	30-60	4500-9000	4000-5000-6500	0,7	1500	85	70	015268	6

\* The lumen and power data indicated refers to the 4000K colour temperature.

This DAMP PROOF LUMINAIRE is multi current =  
**2 fixtures in one ...**  
 in this DAMP PROOF LUMINAIRE you can also  
 choose from 3 color temperatures =  
**3 fixtures in one =**  
**TOTAL: 6 FIXTURES IN ONE!**

**STOCK  
OPTIMIZATION  
BY 83%!!**





# DAMP PROOF LUMINAIRE S1T IP65 COMPLETE WITH 1 TUBE



# DAMP PROOF LUMINAIRE S1T IP65 COMPLETE WITH 1 TUBE

## TYPE

Damp proof linear ceiling light with G13 connection for 1 Tube.  
Complete with 25,000h or 50,000h Tuboled.

## CHARACTERISTICS

Quick opening mechanism for wiring.

## MATERIAL

Polycarbonate body: opal polycarbonate screen equipped with internal fins for flow recovery and emission optimization.

## ASSEMBLY

"Snap on" AISI 316 stainless steel brackets for ceiling or suspension installation.  
Every batten is equipped with brackets.

## APPLICATIONS

Supermarkets, car parks, laboratories, warehouses.

<b>BASIC</b>	220-240V 50/60Hz	25000h L70 B20	IP65	IK07		<b>G2</b>	Risk Group 0	<b>DAMP PROOF LUMINAIRE COMPLETE WITH 1 LED TUBE VB 25.000H</b>
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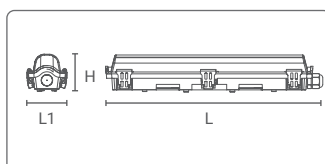
art.	W*	Max W	lm	K	L	L1	H		
<b>New</b> S1T060L1W	9	Max 10W	875	3000	665	65	60	017071	10
<b>New</b> S1T060L1N	9	Max 10W	920	4000	665	65	60	017088	10
<b>New</b> S1T060L1C	9	Max 10W	920	6000	665	65	60	017095	10
<b>New</b> S1T0120L1W	18	Max 20W	1760	3000	1275	65	60	325381	10
<b>New</b> S1T0120L1N	18	Max 20W	1850	4000	1275	65	60	017118	10
<b>New</b> S1T0120L1C	18	Max 20W	1850	6000	1275	65	60	017125	10
<b>New</b> S1T0150L1W	20	Max 22W	2140	3000	1575	65	60	017132	10
<b>New</b> S1T0150L1N	20	Max 22W	2250	4000	1575	65	60	017149	10
<b>New</b> S1T0150L1C	20	Max 22W	2250	6000	1575	65	60	017156	10

• Minimum Order Quantity

<b>PRO</b>	220-240V 50/60Hz	50000h L70 B20	IP65	IK07		<b>G4</b>	Risk Group 0	<b>DAMP PROOF LUMINAIRE COMPLETE WITH 1 LED TUBE LL 50.000H</b>
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art.	W*	Max W	lm	K	L	L1	H		
<b>New</b> S1T060L2W	10	Max 10W	715	3000	665	65	60	016982	10
<b>New</b> S1T060L2N	10	Max 10W	750	4000	665	65	60	016999	10
<b>New</b> S1T060L2C	10	Max 10W	750	6000	665	65	60	017002	10
<b>New</b> S1T0120L2W	18	Max 20W	1475	3000	1275	65	60	017019	10
<b>New</b> S1T0120L2N	18	Max 20W	1550	4000	1275	65	60	017026	10
<b>New</b> S1T0120L2C	18	Max 20W	1550	6000	1275	65	60	017033	10
<b>New</b> S1T0150L2W	20	Max 22W	1740	3000	1575	65	60	017040	10
<b>New</b> S1T0150L2N	20	Max 22W	1830	4000	1575	65	60	325398	10
<b>New</b> S1T0150L2C	20	Max 22W	1830	6000	1575	65	60	017064	10

• Minimum Order Quantity



\*POWER OF THE ORIGINAL DURALAMP TUBE PRE-INSTALLED

# DAMP PROOF LUMINAIRE S2T IP65 COMPLETE WITH 2 TUBES



# DAMP PROOF LUMINAIRE S2T IP65 COMPLETE WITH 2 TUBES

## TYPE

Damp proof linear ceiling light with G13 connection for 2 Tubes.  
Complete with 25,000h or 50,000h Tuboled.

## CHARACTERISTICS

Quick opening mechanism for wiring.

## MATERIAL

Polycarbonate body: opal polycarbonate screen equipped with internal fins for flow recovery and emission optimization.

## ASSEMBLY

"Snap on" AISI 316 stainless steel brackets for ceiling or suspension installation.  
Every batten is equipped with brackets.

## APPLICATIONS

Supermarkets, car parks, laboratories, warehouses.

<b>BASIC</b>	220-240V 50/60Hz	25000h L70 B20	IP65	IK07		<b>G2</b>	Risk Group 0	<b>DAMP PROOF LUMINAIRE COMPLETE WITH 2 LED TUBES VB 25.000H</b>		
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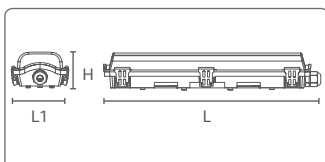
art.	W*	Max W	lm	K	L	L1	H	8011905	
<b>New</b> S2T060L1W	18	Max 2x10W	1760	3000	665	95	60	017255	10
<b>New</b> S2T060L1N	18	Max 2x10W	1850	4000	665	95	60	017262	10
<b>New</b> S2T060L1C	18	Max 2x10W	1850	6000	665	95	60	017279	10
<b>New</b> S2T0120L1W	36	Max 2x20W	3470	3000	1275	95	60	017286	10
<b>New</b> S2T0120L1N	36	Max 2x20W	3650	4000	1275	95	60	017293	10
<b>New</b> S2T0120L1C	36	Max 2x20W	3650	6000	1275	95	60	017309	10
<b>New</b> S2T0150L1W	40	Max 2x22W	4275	3000	1575	95	60	017316	10
<b>New</b> S2T0150L1N	40	Max 2x22W	4500	4000	1575	95	60	017323	10
<b>New</b> S2T0150L1C	40	Max 2x22W	4500	6000	1575	95	60	017330	10

• Minimum Order Quantity

<b>PRO</b>	220-240V 50/60Hz	50000h L70 B20	IP65	IK07		<b>G4</b>	Risk Group 0	<b>DAMP PROOF LUMINAIRE COMPLETE WITH 2 LED TUBES LL 50.000H</b>		
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art.	W*	Max W	lm	K	L	L1	H	8011905	
<b>New</b> S2T060L2W	20	Max 2x10W	1425	3000	665	95	60	017163	10
<b>New</b> S2T060L2N	20	Max 2x10W	1500	4000	665	95	60	017170	10
<b>New</b> S2T060L2C	20	Max 2x10W	1500	6000	665	95	60	017187	10
<b>New</b> S2T0120L2W	36	Max 2x20W	2945	3000	1275	95	60	017194	10
<b>New</b> S2T0120L2N	36	Max 2x20W	3100	4000	1275	95	60	017200	10
<b>New</b> S2T0120L2C	36	Max 2x20W	3100	6000	1275	95	60	017217	10
<b>New</b> S2T0150L2W	40	Max 2x22W	3515	3000	1575	95	60	017224	10
<b>New</b> S2T0150L2N	40	Max 2x22W	3700	4000	1575	95	60	017231	10
<b>New</b> S2T0150L2C	40	Max 2x22W	3700	6000	1575	95	60	017248	10

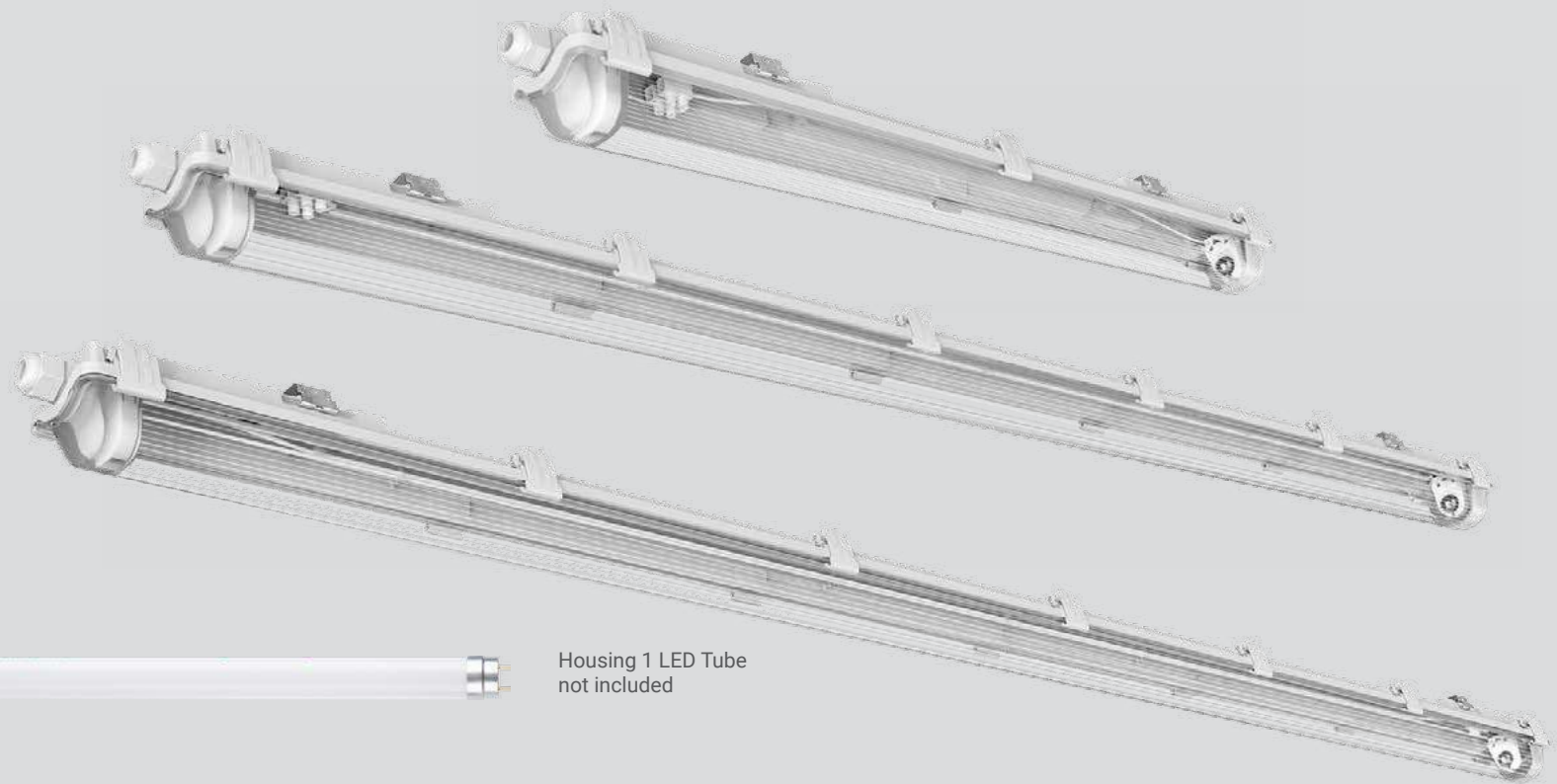
• Minimum Order Quantity



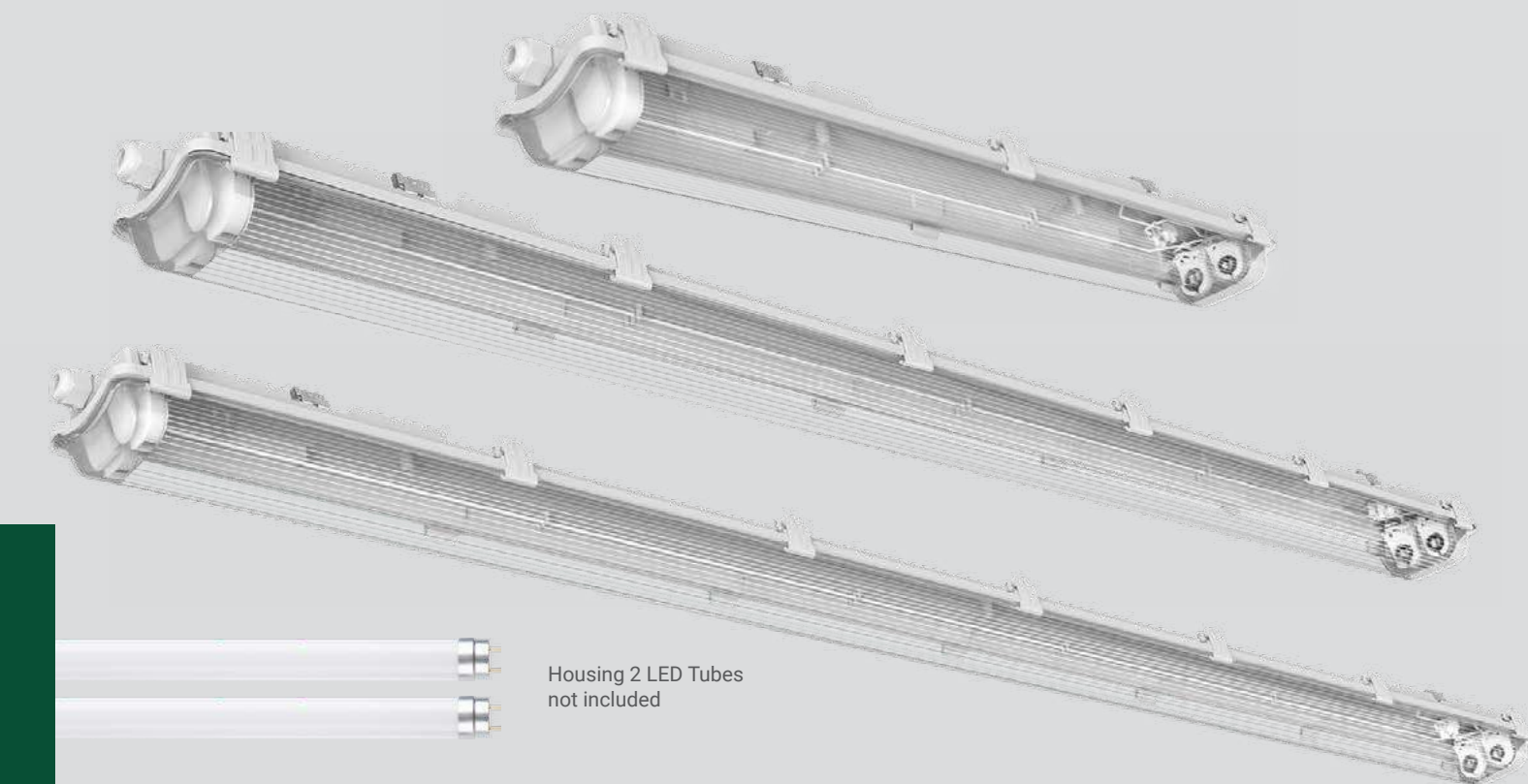
\*POWER OF THE ORIGINAL DURALAMP TUBE PRE-INSTALLED



# DAMP PROOF LUMINAIRE S1T/S2T IP65 WITHOUT TUBE



Housing 1 LED Tube  
not included



Housing 2 LED Tubes  
not included

# DAMP PROOF LUMINAIRE S1T/S2T IP65 WITHOUT TUBE

## TYPE

Damp proof linear ceiling light with G13 connection for 1 or 2 Tubes.  
Tubes not included.

## CHARACTERISTICS

Quick opening mechanism for wiring.

## MATERIAL

Polycarbonate body: opal polycarbonate screen equipped with internal fins for flow recovery and emission optimization.

## ASSEMBLY

"Snap on" AISI 316 stainless steel brackets for ceiling or suspension installation.  
Every batten is equipped with brackets.

## APPLICATIONS


Supermarkets, car parks, laboratories, warehouses.

BASIC	220-240V 50/60Hz	IP65	IK07		G2
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## DAMP PROOF LUMINAIRE FOR 1 T8 LED TUBE

	art.	Max W	L	L1	H	 8011905	
New	S1T060L2	Max 10W	665	65	60	016975	10
New	S1T120L2	Max 20W	1275	65	60	015138	10
New	S1T150L2	Max 22W	1575	65	60	015145	10

• Minimum Order Quantity

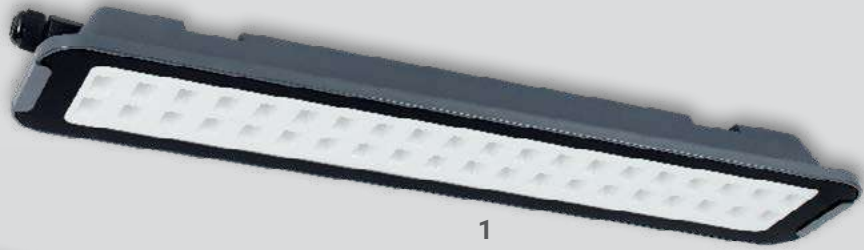
BASIC	220-240V 50/60Hz	IP65	IK07		G2
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## DAMP PROOF LUMINAIRE FOR 2 T8 LED TUBES

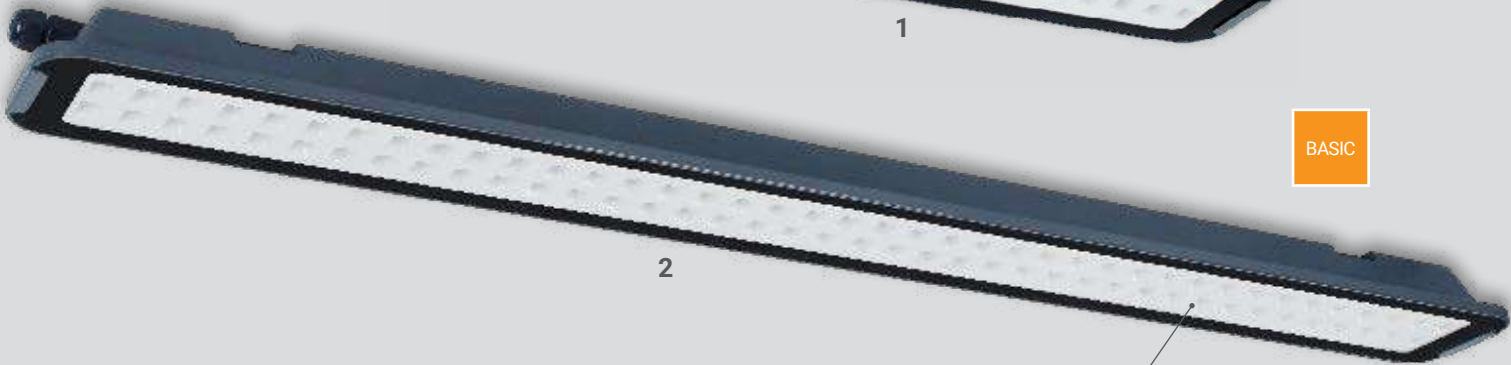
	art.	Max W	L	L1	H	 8011905	
New	S2T060L2	Max 2x10W	665	95	60	015152	10
New	S2T120L2	Max 2x20W	1275	95	60	015169	10
New	S2T150L2	Max 2x22W	1575	95	60	015176	10

• Minimum Order Quantity

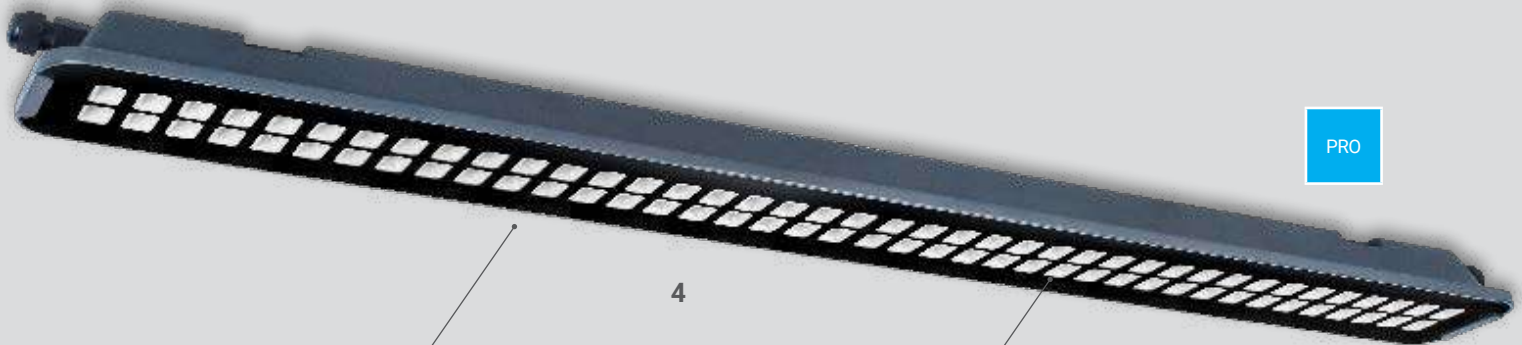
# HBL - BEATRIX LINEAR HIGH BAY



BASIC



Glass

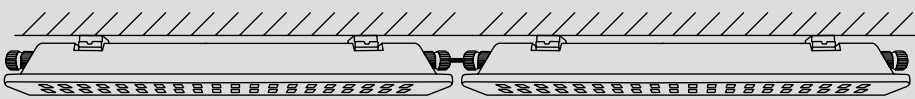


PRO

Tridonic Driver

Glass

HBL PRO can be used in series of up to 10 fixtures for the 40W model and up to 6 fixtures for the 80W model.



QUICK CONNECTION  
WITHOUT TOOLS!

# HBL - BEATRIX LINEAR HIGH BAY

## TYPE

Suspension fixture for installations in large commercial and industrial spaces; uses SMD technology.

## CHARACTERISTICS

Fixtures with single optics to maximise flux. The collection is divided into versions with standard drivers and those with Tridonic drivers. HBL PRO can be used in series of up to 10 fixtures for the 40W model and up to 6 fixtures for the 80W model.

## OPTIC

Optical systems composed of micro optics that direct the flux of the LED sources. The LED sources are protected by sealed optics to be used in dusty or dirty environments.

## MATERIALS

Extruded PC body; glass front screen.

## MOUNTING

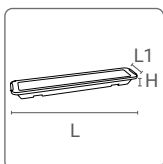
Easy cabling using an IP65 connection box attached to the body of the fixture. Wall/ceiling installation with the brackets supplied or suspension mounted. The separate accessory code for suspension installation includes 3m length cables.

BASIC		200-240V 50/60Hz	Ra>80		30000h L70 B20	IP65	IK08	-25° +35°C		G3	Risk Group 1				
art.	photo	W	lm	cd	K		PF	L	L1	H			8011905		
HBL6001W	1	40	3450	2680	3000	60°	0,9	606	120	53.2	1250	990503	6		
HBL6001N	1	40	3600	2800	4000	60°	0,9	606	120	53.2	1250	941321	6		
HBL12001W	2	80	6850	5650	3000	60°	0,9	1147	120	53.2	2350	990497	6		
HBL12001N	2	80	7200	5900	4000	60°	0,9	1147	120	53.2	2350	941338	6		

PRO		200-240V 50/60Hz	Ra>80		50000h L70 B20	IP65	IK08	-25° +35°C		G5/ h24	Risk Group 1				
art.	photo	W	lm	cd	K		PF	L	L1	H			8011905		
HBL6002N	3	40	3600	2800	4000	60°	0,9	606	120	53.2	1250	941345	6		
HBL12002N	4	80	7200	5900	4000	60°	0,9	1147	120	53.2	2350	941352	6		



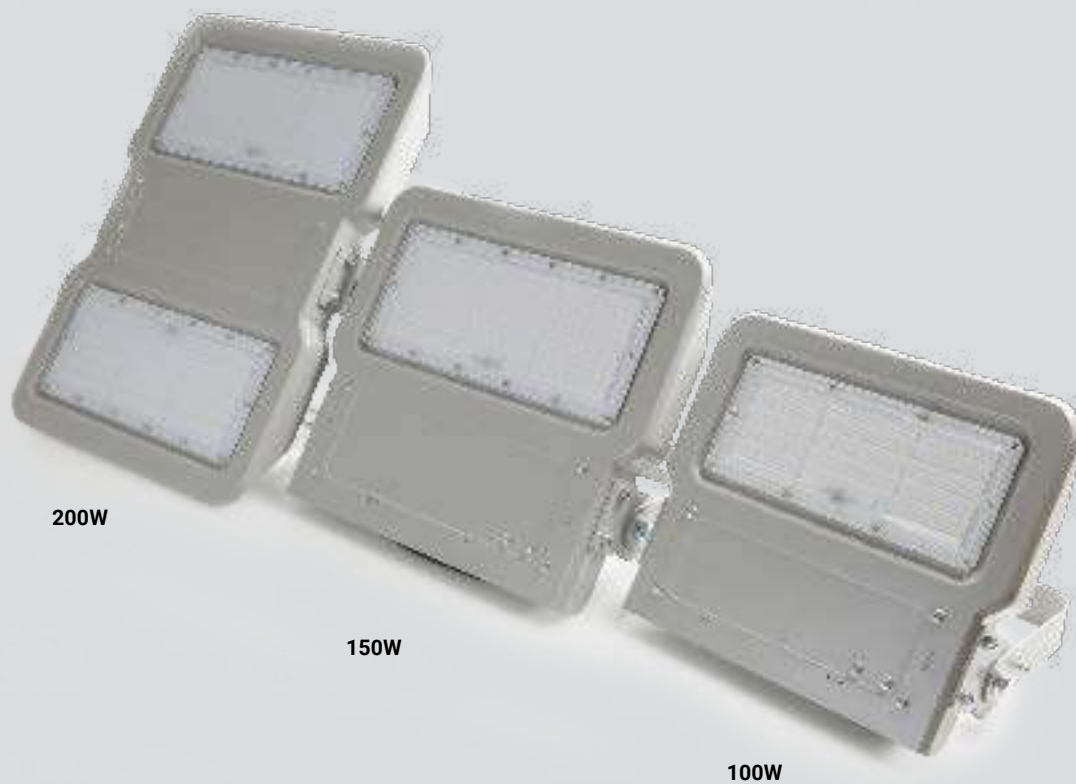
art.	L		8011905	
KT-BHL-SP Adjustable suspension wires kit	3000	943356	1	



For photometries please consult the website.



# PANTH - SL2



# PANTH - SL2

## TYPE

LED projector for outdoor, indoor and construction site application.

## CHARACTERISTICS

Compact dimensions: easy to use and handle. Equipped with fixing bracket, adjustable on the vertical axis. Free wire for professional use (1.5 m long). It can be connected to motion or twilight sensors.

## MATERIALS

Grey painted pressed metal body. Completely sealed IP65 driver.

## NB

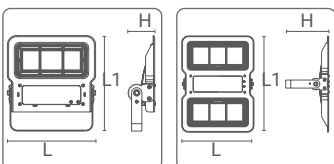
Non Dimming.



**THE 200W MODEL CAN ALSO BE USED AS A HIGH BAY: 400 LUX AT 5 METRES HEIGHT.**

PLUS	220-240V 50/60Hz	Ra>80		40000h L70	IP65	-25° +35°C		G3	Risk Group 1
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art.	W	lm	cd	K		L	L1	H		8011905	
PANTH-SL1002	100	11000	5380	4000	100°x60°	300	325	92,5	2300	861810	5
PANTH-SL1502	150	13500	6780	4000	100°x60°	360	377	95,5	3000	861841	5
PANTH-SL2002	200	20000	10600	4000	100°x60°	360	480	216	4100	861858	2



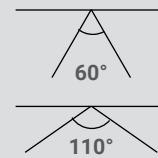
# HB2 - HIGH BAY

**FLICKER  
FREE** 



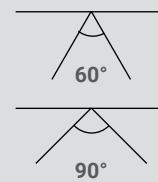
**100W 90°  
100W 90° DALI  
150W 90°  
150W 90° DALI**

Optional lens:



**200W 120°  
200W 120° DALI**

Optional lens:



# HB2 - HIGH BAY

## TYPE

Suspension fixture for installation in large commercial or industrial spaces; it uses SMD technology. Also available in a DALI version.

## CHARACTERISTICS

It is composed of an independent power supply system connected to the body of the fixture with small columns for improved thermal management. The optical unit is integrated into the aluminium body for perfect heat dissipation. The fixture body can be completed with an aluminium or polycarbonate reflector to obtain a different aesthetic and antiglare effect.

## OPTIC

The optical system is composed of an array of SMD optimised lenses with a beam opening of 90° for the 100W and 150W and 120° aperture for the 200W.

## MATERIALS

Grooved die-cast aluminium for heat dissipation.

## ASSEMBLY

Equipped with a mounting ring for suspension installation. For ceiling or wall installation order the accessory code that comprises the bracket and the relative accessories.



To obtain a more attractive aesthetic and reduce glaring the luminaire can be completed with an aluminium or a transparent polycarbonate reflector.

PRO	220-240V 50/60Hz	Ra>80	50000h L70 B20	IP65	IK08	-25° +45°C		G5/ h24	Risk Group 1						
	art.	W	lm	cd	K		PF	Ø	H	H1		8011905			
	<b>HB2-100</b>	100	15000	7200	4000	90°	0,92	260	116	161	2000	929459	1		
	<b>HB2-150</b>	150	23000	11200	4000	90°	0,92	260	116	161	2000	941017	1		
	<b>HB2-200</b>	200	30000	9300	4000	120°	0,92	305	123	168	2400	929466	1		
	<b>HB2-100DALI</b>	100	15000	7200	4000	90°	0,9	260	116	161	2000	938680	1		
	<b>HB2-150DALI</b>	150	20000	11200	4000	90°	0,9	260	116	161	2000	941000	1		
	<b>HB2-200DALI</b>	200	30000	9300	4000	120°	0,92	305	123	168	2400	933180	1		

HB2 HIGH BAY: flux and dimensional data being updated: greater efficiency and compactness.

## Accessories, see page 144

Optional polycarbonate lens for HB2- 100W - 150W - 60°

Optional polycarbonate lens for HB2- 100W - 150W - 110°

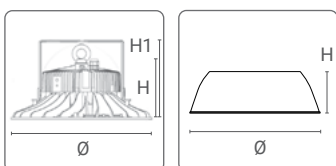
Optional polycarbonate lens for HB2-200W - 60°

Optional polycarbonate lens for HB2-200W - 90°

Polycarbonate reflector for HB2-100W - 150W - 200W

Aluminium reflector for HB2-100W - 150W - 200W

Surface Mounting Bracket for HB2-100W - 150W - 200W



For photometries please consult the website.



# HB5 - HIGH BAY

**FLICKER  
FREE** 

Three sizes  
4 flux packages: 13000 to 32000 lumens  
Sensor READY

Efficiency  
160lm/watt!



80W 90°



140W 90°  
170W 90°



200W 90°



# HB5 - HIGH BAY

## TYPE

Suspended luminaire for installation in large commercial and industrial spaces; uses highly efficient SMD technology. Available in 3 sizes and 4 wattages. Polycarbonate or aluminium reflector available with accessory code.

## CHARACTERISTICS

The optical unit is integrated into the aluminium body for perfect heat dissipation. Equipped with 4kV/6kV voltage surge protection. Arrangement for remote-controlled sensor, see accessory codes.

## OPENING/BEAM

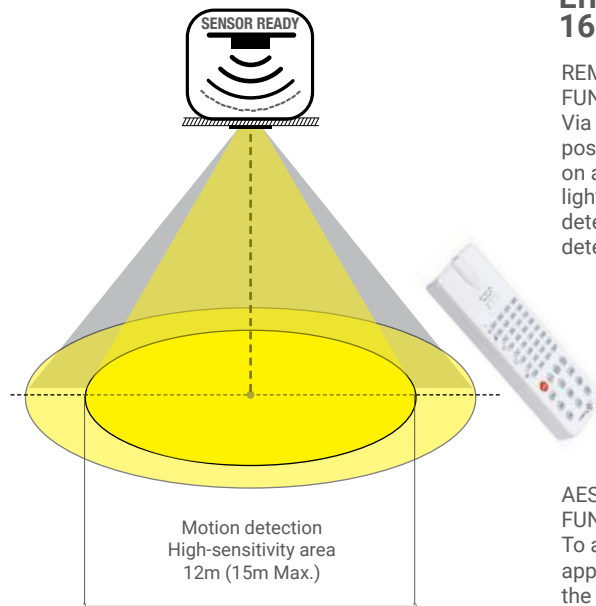
Optical system consisting of an array of PC lens optimised for SMDs, opening beam 90°. Optional polycarbonate lenses available for diffuse illumination, 120° beam opening.

## MATERIALS

Grooved die-cast aluminium for heat dissipation. Suitable for use in dusty and humid environments due to its high IP rating.

## ASSEMBLY

Equipped with a mounting ring for suspension installation. For surface mounting, order bracket accessory code.



## Efficiency 160lm/watt!

### REMOTE-CONTROLLED SENSOR FUNCTIONS

Via the remote control it is possible to switch the luminaire on and off, dim and select the lighting mode with motion detection or room brightness detection.

### AESTHETICS AND FUNCTIONALITY

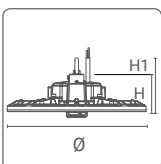
To achieve a more attractive appearance and reduce glare, the housing can be completed with an aluminium or transparent polycarbonate reflector.

PRO	220-240V 50/60Hz	Ra>80		100000h L70 B50	IP65	IK08	-25° +45°C		G5/ h24	Risk Group 1	Equipped with 4kV/6kV voltage surge protection.	
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art.	W	lm	cd	K		PF	Ø	H	H1			
<b>New</b> HB5-2813-STN	80	13000	6800	4000	90°	0,9	280	84	120	1500	014988	1
<b>New</b> HB5-3222-STN	140	22000	11400	4000	90°	0,9	320	84	120	1880	014995	1
<b>New</b> HB5-3227-STN	170	27000	13700	4000	90°	0,9	320	84	120	2000	015008	1
<b>New</b> HB5-3632-STN	200	32000	16200	4000	90°	0,9	360	84	120	2260	015015	1

### Accessories, see page 145

- New** Sensor for HB5 or HB6
- New** Remote control for sensor for HB5 or HB6
- New** Aluminium reflector for HB5 Ø 280 mm
- New** Aluminium reflector for HB5 or HB6 Ø 320 mm
- New** Aluminium reflector for HB5 or HB6 Ø 360 mm
- New** Polycarbonate reflector for HB5 Ø 280 mm
- New** Polycarbonate reflector for HB5 or HB6 Ø 320 mm
- New** Surface Mounting Bracket for HB5 or HB6
- New** Optional polycarbonate lens for HB5 Ø 280 mm 120°
- New** Optional polycarbonate lens for HB5 or HB6 Ø 320 mm 120°
- New** Optional polycarbonate lens for HB5 or HB6 Ø 360 mm 120°



# HB6 - HIGH BAY CCT MULTIPOWER

**FLICKER FREE**



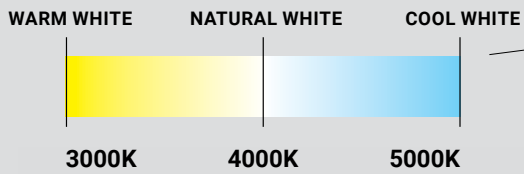
**Multi-power**  
**Colour temperature selection**  
**1-10 dimmable**  
**Sensor READY**

**Efficiency**  
**180lm/watt!**



**80W/113W/140W**  
**90°**

140/113/80W



**2 SWITCH**

200/175/150W



**150W/175W/200W**  
**90°**



# HB6 - HIGH BAY CCT MULTIPOWER

## TYPE

Suspended luminaire for installation in large commercial and industrial spaces; uses highly efficient SMD technology, up to 180lm/W.

## CHARACTERISTICS

Version with power and colour temperature selector switch and dimmable 1-10 in the same luminaire. Equipped with 4kV/6kV voltage surge protection. Arrangement for remote-controlled sensor, see accessory codes.

## OPENING/BEAM

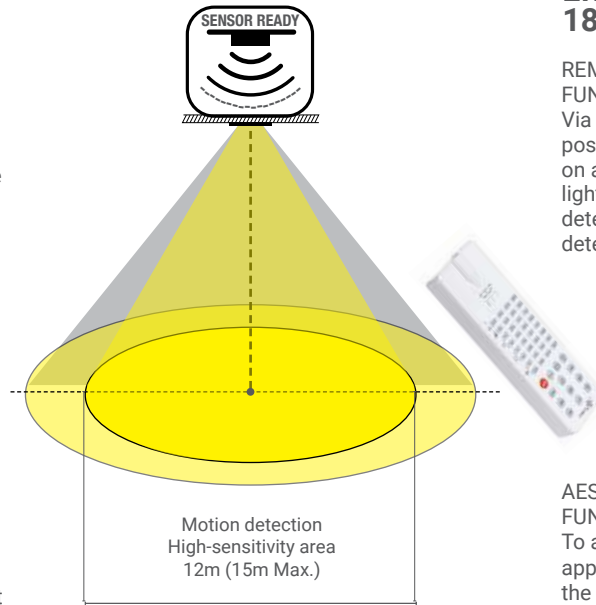
Optical system consisting of an array of PC lens optimised for SMDs, opening beam 90°. Optional polycarbonate lenses available for diffuse illumination, 120° beam opening.

## MATERIALS

Grooved die-cast aluminium for heat dissipation. Suitable for use in dusty and humid environments due to its high IP rating.

## ASSEMBLY

Equipped with a mounting ring for suspension installation. For surface mounting, order bracket accessory code.



## Efficiency 180lm/watt!

### REMOTE-CONTROLLED SENSOR FUNCTIONS

Via the remote control it is possible to switch the luminaire on and off, dim and select the lighting mode with motion detection or room brightness detection.

### AESTHETICS AND FUNCTIONALITY

To achieve a more attractive appearance and reduce glare, the housing can be completed with an aluminium or transparent polycarbonate reflector (32 cm diameter only),

PRO	220-240V 50/60Hz	Ra>80		100000h L70 B50	IP65	IK08	-25° +45°C		G5/ h24	Risk Group 1	Equipped with 4kV/6kV voltage surge protection.
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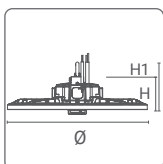


art.	W	lm	cd	K		PF	Ø	H	H1			
	80	13000 *	6300								8011905	
<b>New</b> HB6-3222-CCTD10	113	18000 *	8800	3000/4000/5000	90°	0,9	320	84	120	1940	015534	1
	140	22000 *	10400									
	150	24000 *	12200									
<b>New</b> HB6-3632-CCTD10	175	28000 *	13700	3000/4000/5000	90°	0,9	360	84	120	2340	015541	1
	200	32000 *	15400									

\* The indicated lumen data refers to the 4000K colour temperature.









### Accessories, see page 145

- New** Sensor for HB5 or HB6
- New** Remote control for sensor for HB5 or HB6
- New** Aluminium reflector for HB5 or HB6 Ø 320 mm
- New** Aluminium reflector for HB5 or HB6 Ø 360 mm
- New** Polycarbonate reflector for HB5 or HB6 Ø 320 mm
- New** Surface Mounting Bracket for HB5 or HB6
- New** Optional polycarbonate lens for HB5 or HB6 Ø 320 mm 120°
- New** Optional polycarbonate lens for HB5 or HB6 Ø 360 mm 120°

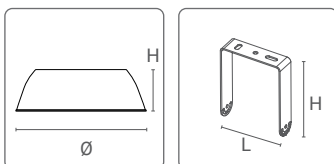
















# HB2 - HIGH BAY

	art.	Description	Ø	H	8011905	
	<b>KTHB2-100-LENS60</b>	Optional polycarbonate lens for HB2- 100W - 150W - 60°	196		991142	1
	<b>KTHB2-100-LENS110</b>	Optional polycarbonate lens for HB2- 100W - 150W - 110°	196		991159	1
	<b>KTHB2-200-LENS60</b>	Optional polycarbonate lens for HB2-200W - 60°	242		991166	1
	<b>KTHB2-200-LENS90</b>	Optional polycarbonate lens for HB2-200W - 90°	242		991173	1
	<b>KTHB2-100-PCR</b>	Polycarbonate reflector for HB2-100W - 150W - 200W	345	95	943370	1
	<b>KTHB2-100-R</b>	Aluminium reflector for HB2-100W - 150W - 200W	390	122	929497	1
	<b>KTHB2-100-F</b>	Surface Mounting Bracket for HB2-100W - 150W - 200W		127	929473	1

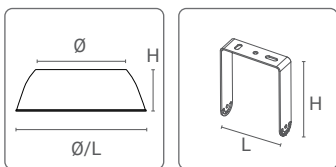
The optional aluminium reflector provides direction the light: ideal in the workplace where video terminals or machines with LCDs are used, the antiglare optic prevents light from being reflected on screens positioned under the fixture.



# HB5 - HB6 CCT - HIGH BAY

	art.	Description	Ø/L	H	8011905	
	<b>New</b> KTHB5-6-MW	Sensor for HB5 or HB6	50	34	015121	100
	<b>New</b> KTHB5-6-TC	Remote control for sensor of HB5 or HB6	55	174	325374	50
	<b>New</b> KTHB5-6-28-R1	Aluminium reflector for HB5 Ø 280 mm	415	205	015084	2
	<b>New</b> KTHB5-6-32-R1	Aluminium reflector for HB5 or HB6 Ø 320 mm	500	236	015091	2
	<b>New</b> KTHB5-6-36-R1	Aluminium reflector for HB5 or HB6 Ø 360 mm	572	263	015107	2
	<b>New</b> KTHB5-6-28-PCR	Polycarbonate reflector for HB5 Ø 280 mm	415	205	017842	2
	<b>New</b> KTHB5-6-32-PCR	Polycarbonate reflector for HB5 or HB6 Ø 320 mm	480	250	325367	2
	<b>New</b> KTHB5-6-F	Surface Mounting Bracket for HB5 or HB6	122	150	015114	10
	<b>New</b> KTHB5-28_LENS120	Optional polycarbonate lens for HB5 Ø 280 mm 120°	252	2	015022	25
	<b>New</b> KTHB5-6-32_LS120	Optional polycarbonate lens for HB5 or HB6 Ø 320 mm 120°	288	2	325350	25
	<b>New</b> KTHB5-6-36_LS120	Optional polycarbonate lens for HB5 or HB6 Ø 360 mm 120°	327	2	355343	25

The optional aluminium reflector provides direction the light: ideal in the workplace where video terminals or machines with LCDs are used, the antiglare optic prevents light from being reflected on screens positioned under the fixture.



# PANTH ST



High power items are equipped with a GORE-TEX® valve to compensate for pressure variations due to thermal changes and to prevent the formation of condensation in the fixture.

# PANTH ST

## TYPE

High power, ultra-thin LED projector; can be used outdoor and indoor.

## CHARACTERISTICS

It can be connected to motion or twilight sensors.

## MATERIALS

Painted diecast aluminium. Black and white colour.

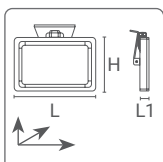
## NB

Free wire for professional use. Models from 100W upwards are equipped with a compensation valve.

BASIC	220-240V 50/60Hz	Ra>80		20000h L70 B30	IP65	-25° +35°C		G2	Risk Group 1
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art.		W	lm	cd	K	PF		L	H	L1			
PANTH-STWH10N	<input type="checkbox"/>	10	800	350	4000	0,9	120°	103	83	26	8011905 976682	185	5 •
PANTH-STWH10C	<input type="checkbox"/>	10	800	350	6500	0,9	120°	103	83	26	976675	185	5 •
PANTH-STWH20N	<input type="checkbox"/>	20	1600	650	4000	0,9	120°	121	95	26	976668	320	5 •
PANTH-STWH20C	<input type="checkbox"/>	20	1600	650	6500	0,9	120°	121	95	26	976651	320	5 •
PANTH-STWH30N	<input type="checkbox"/>	30	2400	950	4000	0,9	120°	160	123	30	976354	610	5 •
PANTH-STWH30C	<input type="checkbox"/>	30	2400	950	6500	0,9	120°	160	123	30	976347	610	5 •
PANTH-STWH50N	<input type="checkbox"/>	50	4000	1500	4000	0,9	120°	206	160	31,5	976330	870	10
PANTH-STWH50C	<input type="checkbox"/>	50	4000	1500	6500	0,9	120°	206	160	31,5	976323	870	10
PANTH-STWH100N	<input type="checkbox"/>	100	8000	3400	4000	0,9	120°	270	210	35	976316	1410	10
PANTH-STWH100C	<input type="checkbox"/>	100	8000	3400	6500	0,9	120°	270	210	35	976309	1410	10
PANTH-STWH150N	<input type="checkbox"/>	150	12000	5100	4000	0,9	120°	330	250	35	976293	2790	5
PANTH-STWH150C	<input type="checkbox"/>	150	12000	5100	6500	0,9	120°	330	250	35	976286	2790	5
PANTH-STWH200N	<input type="checkbox"/>	200	16000	6800	4000	0,9	120°	388	288	36	976279	4270	5
PANTH-STWH200C	<input type="checkbox"/>	200	16000	6800	6500	0,9	120°	388	288	36	976262	4270	5
PANTH-STWH250N	<input type="checkbox"/>	250	25000	8800	4000	0,9	120°	445	334	45,5	976231	4270	4
PANTH-STWH250C	<input type="checkbox"/>	250	25000	8800	6500	0,9	120°	445	334	45,5	976224	4270	4
PANTH-STWH350N	<input type="checkbox"/>	350	35000	12000	4000	0,9	120°	490	370	49	976194	6000	2
PANTH-STWH350C	<input type="checkbox"/>	350	35000	12000	6500	0,9	120°	490	370	49	976187	6000	2

• Minimum Order Quantity



# PANTH ST



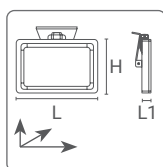


# PANTH ST

BASIC	220-240V 50/60Hz	Ra>80		20000h L70 B30	IP65	-25° +35°C		G2	Risk Group 1
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art.		W	lm	cd	K	PF		L	H	L1			
PANTH-ST10W		10	800	320	3000	0,9	120°	103	83	26	8011905	185	5•
PANTH-ST10N		10	850	340	4000	0,9	120°	103	83	26	932299	185	5•
PANTH-ST10C		10	850	340	6500	0,9	120°	103	83	26	931636	185	5•
PANTH-ST20W		20	1600	600	3000	0,9	120°	121	95	26	933142	320	5•
PANTH-ST20N		20	1600	660	4000	0,9	120°	121	95	26	932305	320	5•
PANTH-ST20C		20	1600	660	6500	0,9	120°	121	95	26	931629	320	5•
PANTH-ST30W		30	2400	890	3000	0,9	120°	160	123	30	933159	610	5•
PANTH-ST30N		30	2400	950	4000	0,9	120°	160	123	30	932312	610	5•
PANTH-ST30C		30	2400	950	6500	0,9	120°	160	123	30	931612	610	5•
PANTH-ST50W		50	4000	1400	3000	0,9	120°	206	160	31,5	933166	870	10
PANTH-ST50N		50	4000	1540	4000	0,9	120°	206	160	31,5	932329	870	10
PANTH-ST50C		50	4000	1540	6500	0,9	120°	206	160	31,5	931605	870	10
PANTH-ST100W		100	8000	3100	3000	0,9	120°	270	210	35	941048	1410	10
PANTH-ST100N		100	8000	3300	4000	0,9	120°	270	210	35	941031	1410	10
PANTH-ST100C		100	8000	3300	6500	0,9	120°	270	210	35	941024	1410	10
PANTH-ST150W		150	12000	4700	3000	0,9	120°	330	250	35	941079	2790	5
PANTH-ST150N		150	12000	5000	4000	0,9	120°	330	250	35	941062	2790	5
PANTH-ST150C		150	12000	5000	6500	0,9	120°	330	250	35	941055	2790	5
PANTH-ST200N		200	16000	6510	4000	0,9	120°	388	288	36	976255	4270	5
PANTH-ST200C		200	16000	6510	6500	0,9	120°	388	288	36	976705	4270	5
PANTH-ST250W		250	22000	8200	3000	0,9	120°	445	334	45,5	941109	4270	4
PANTH-ST250N		250	25000	8200	4000	0,9	120°	445	334	45,5	941093	4270	4
PANTH-ST250C		250	25000	8200	6500	0,9	120°	445	334	45,5	941086	4270	4
PANTH-ST350N		350	35000	11000	4000	0,9	120°	490	370	49	976217	6000	2
PANTH-ST350C		350	35000	11000	6500	0,9	120°	490	370	49	976200	6000	2

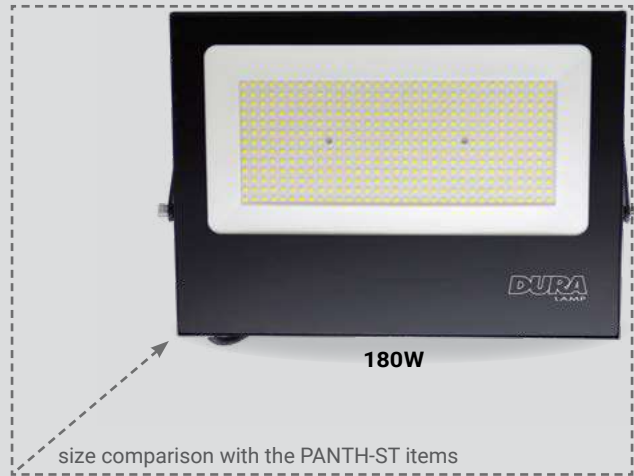
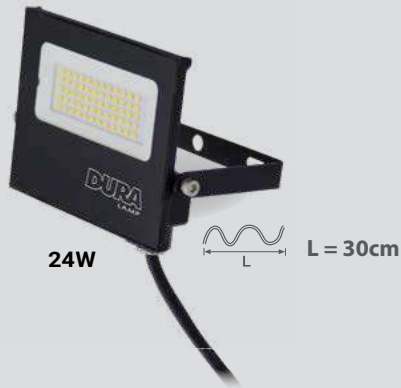
• Minimum Order Quantity



# PANTH H1

Super-compact  
High efficiency  
up to 30.000 lumen

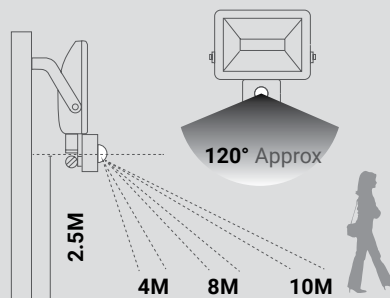
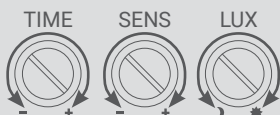
Efficiency  
175lm/watt!



sensor version:  
For safety and energy saving



Adjustable ambient lighting



# PANTH H1

## TYPE

Super-compact professional projectors for large commercial and industrial spaces; uses highly efficient SMD technology, up to 175lm/W.

**Efficiency  
175lm/watt!**



Energy Class A luminaires

## CHARACTERISTICS

Ultra-flat, highly efficient, long service life: reliable products for use in all areas where powerful light output with significant energy savings is required. Equipped with voltage surge protection, see details.

## OPENING/BEAM

110°

## MATERIALS

Die-cast aluminium body. Suitable for use in dusty and humid environments due to its high IP rating.

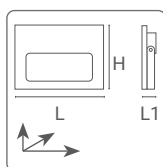
## ASSEMBLY

Free-standing or fixed to the surface with its swivelling bracket (cable length 30 cm or 95 cm depending on model).

	PRO	220-240V 50/60Hz	Ra>80		50000h L70 B20	IP65	IK06	-25° +35°C		G5/ h24	Risk Group 1			
	art.	W	lm	cd	K	PF		L	H	L1				
New	PAH1L04BLW <sup>(1)</sup>	24	3900	1450	3000	0,5	110°	145	105	29		324	20	
New	PAH1L04BLN <sup>(1)</sup>	24	4200	1540	4000	0,5	110°	145	105	29		324	20	
New	PAH1L04BLC <sup>(1)</sup>	24	4100	1500	6000	0,5	110°	145	105	29		324	20	
New	PAH1L10BLW <sup>(2)</sup>	60	9900	3550	3000	0,95	110°	225	155	35		771	10	
New	PAH1L10BLN <sup>(2)</sup>	60	10500	3750	4000	0,95	110°	225	155	35		771	10	
New	PAH1L10BLC <sup>(2)</sup>	60	10200	3640	6000	0,95	110°	225	155	35		771	10	
New	PAH1L20BLW <sup>(2)</sup>	120	20000	7100	3000	0,95	110°	305	220	35		1608	10	
New	PAH1L20BLN <sup>(2)</sup>	120	21000	7520	4000	0,95	110°	305	220	35		1608	10	
New	PAH1L20BLC <sup>(2)</sup>	120	20500	7340	6000	0,95	110°	305	220	35		1608	10	
New	PAH1L30BLW <sup>(2)</sup>	165	28500	10000	3000	0,95	110°	355	260	36		2217	5	
New	PAH1L30BLN <sup>(2)</sup>	165	31000	11120	4000	0,95	110°	355	260	36		2217	5	
New	PAH1L30BLC <sup>(2)</sup>	165	30000	10840	6000	0,95	110°	355	260	36		2217	5	

# PANTH H1 WITH SENSOR

	art.	W	lm	cd	K	PF		L	H	L1			
New	PAH1L03WHNS <sup>(1)</sup>	15	2600	980	4000	0,55	110°	115	82	27		259	20
New	PAH1L03BLNS <sup>(1)</sup>	15	2600	980	4000	0,55	110°	115	82	27		259	20
New	PAH1L07WHNS <sup>(2)</sup>	40	7000	2500	4000	0,95	110°	190	125	29		572	10
New	PAH1L07BLNS <sup>(2)</sup>	40	7000	2500	4000	0,95	110°	190	125	29		572	10



<sup>(1)</sup> Fixtures suitable for installation and use in residential, commercial and light industrial environments, in systems with "Category I" of impulse withstand in compliance with CEI EN 64-8 / 4 (IEC 60364-4-44).

<sup>(2)</sup> In case of installation in public areas, it is advisable to use overvoltage surge protection. The HP2 models are designed to withstand voltage peaks up to 4kV.

# PANTH EVO



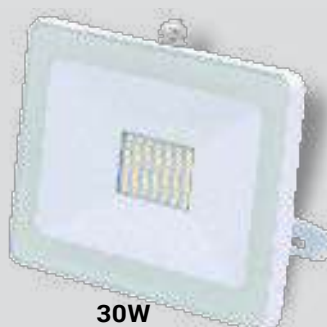
50W



10W

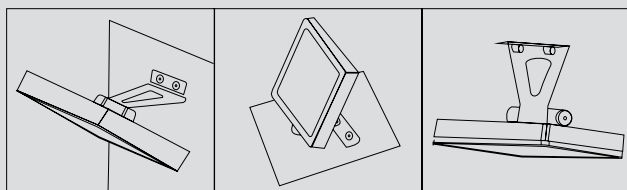


20W



30W

## DIFFERENT MOUNTING OPTIONS



# PANTH EVO

## TYPE

LED projector 'minimal design' for outdoor and indoor applications.

## CHARACTERISTICS

It can be connected to motion or twilight sensors.

## OPENING/BEAM

120°

## MATERIALS

Painted die-cast metal body.

## NB

Free wire for professional use (1 m long).



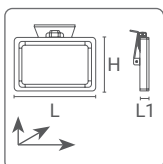
PLUS	220-240V 50/60Hz	Ra>80		50000h L70 B20	IP65	-25° +35°C		G5/ h24	Risk Group 1
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Z	1	****
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Emergency fixture with a centralised power supply for emergency lighting.

art.	W	lm	cd		K	PF		L	H	L1			
PANTH-B10N	10	900	350		4000	0,94	120°	116	82	23	205	849818	30
PANTH-WH10W	10	900	350		3000	0,94	120°	116	82	23	205	862671	30
PANTH-WH10N	10	900	350		4000	0,94	120°	116	82	23	205	855482	30
PANTH-B20N	20	1850	700		4000	0,94	120°	147	103	29	360	849825	20
PANTH-WH20W	20	1850	700		3000	0,94	120°	147	103	29	360	862664	20
PANTH-WH20N	20	1850	700		4000	0,94	120°	147	103	29	360	855505	20
PANTH-B30N	30	2650	950		4000	0,98	120°	189	133	29	580	849832	20
PANTH-WH30W	30	2900	950		3000	0,98	120°	189	133	29	580	862657	20
PANTH-WH30N	30	3000	950		4000	0,98	120°	189	133	29	580	855529	20
PANTH-B50N	50	4500	1600		4000	0,96	120°	221	155	34	820	849849	10
PANTH-WH50W	50	5000	1600		3000	0,96	120°	221	155	34	820	862640	10
PANTH-WH50N	50	5200	1600		4000	0,96	120°	221	155	34	820	855543	10

## ADJUSTABLE ON THE HORIZONTAL AXIS



L = 100cm



# PANTH EVO PIR SENSOR



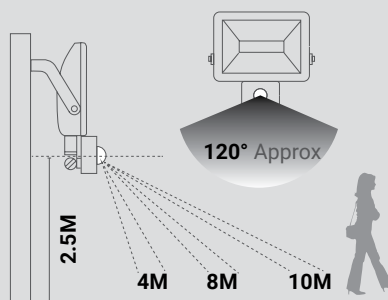
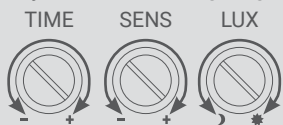
50W



30W



Adjustable ambient lighting



FOR SAFETY AND ENERGY SAVING

# PANTH EVO PIR SENSOR

## TYPE

LED projector 'minimal design' for outdoor and indoor applications with PIR sensor.

## CHARACTERISTICS

Twilight and movement sensor: 10 meters detection range.

## OPENING/BEAM

120°

## MATERIALS

Painted diecast aluminium. Black colour.

## NB

Free wire for professional use (1 m long).

## PIR SPECS:

Ambient lighting: 3-2000LUX (adjustable)

Switch on time: min: 10sec÷3sec

Max: 7min÷3min

Installation height: 1.8m÷2.5m

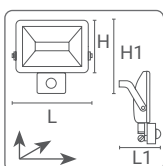
Motion Detection Speed: 0.6~1.5m/s

Detection distance: Max.10m (<24°C ta)



PLUS	220-240V 50/60Hz	Ra>80		25000h L70 B20	IP44	-25° +40°C		G3	Risk Group 1
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art.	W	lm	cd	K		L	L1	H	H1	8011905	
PANTH-B30NS	30	2650	950	4000	120°	190	29	135	210	855789	20
PANTH-B50NS	50	4500	1600	4000	120°	221	34	155	230	855833	10



L = 100cm

# OUTDOOR



## PLUS

INGROUND WALK-ON  
FITTING IP67



## BASIC

SPIKE LED  
IP67

White walkable light and white garden light as a freestanding marker.  
All with 12V safety.



## FACADE PROJECTORS



**PRO**

### MINILINI IP65

MINILINI, the linear outdoor lighting from 30 cm to 120 cm, now available with two beam angles, 110° and asymmetric 36°x80°. A quality product for important projects.

## DECORATIVE FIXTURES

Decorative luminaires, wall-mounted or recessed, for indoor and outdoor.



**BULKHEAD  
T&O - IP65**

**BASIC**



**PLAFO T2  
IP40**



**BASIC**



**SEGNASENTIERO  
IP65**

**BASIC**



**ZOE  
IP54**

**BASIC**

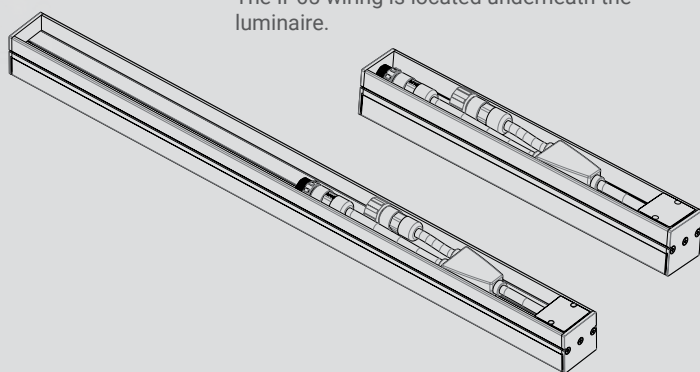
# MINILINI IP65



MINILINI allow to create a continuous line of light.



The IP65 wiring is located underneath the luminaire.





# MINILINI IP65

## TYPE

Mains voltage architectural linear projector for surface mounted installation.

## CHARACTERISTICS

It is constructed from extruded aluminium with an opal polycarbonate cover and is rated IP65 making it suitable for exterior environments: 40 mm wide and 295 or 585 mm long and available in various beam angles and wattages.

Accessories include a selection of fixed and angled surface mounting brackets providing installation uniformity or adjustable brackets for further flexibility.

MINILINI is complete with integrated protection from voltage spikes.

## DIMMABILITY

230V: Dimmable 10-100%; TRIAC Leading edge

## CONNECTIONS

Maximum connection length: see table.

## ASSEMBLY

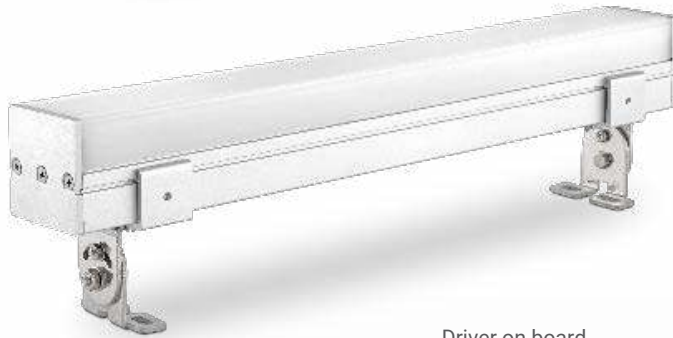
Choice of surface mounting brackets with different fixed angles - 15°, 30°, 45° - or with adjustable brackets of different heights to be ordered with separate codes.

## BINNING

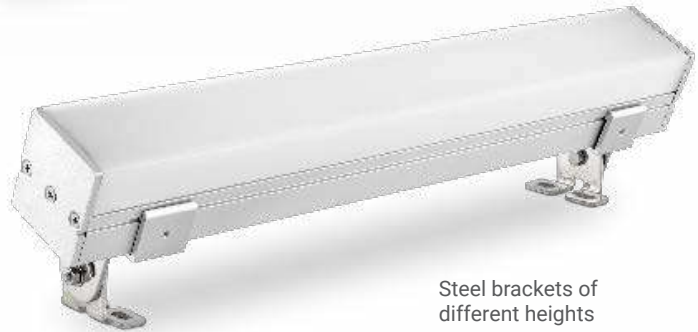
ANSI/SDCM: 2 step.  
3000K - 4000K



120° opening  
36°x80° asymmetrical lens

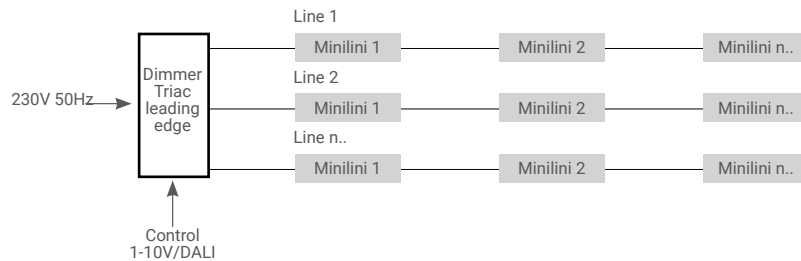


Driver on board



Steel brackets of different heights

Converter Wiring Diagram

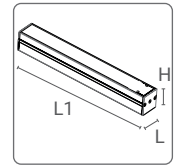


## MINILINI CONFIGURATIONS + CONNECTION TABLE

POWER	WATT SET	Modules size	Max N# of modules	Max length each line*	Max W power
4W	1x4W	30,1cm	72	20,4m	288W
8W	1x8W	30,1cm	36	10,2m	288W
8W	2x4W	59,1cm	36	21m	288W
16W	1x16W	30,1cm	18	5,1m	288W
16W	2x8W	59,1cm	18	10,5m	288W
32W	2x16W	59,1cm	9	5,1m	288W
64W	4x16W	114,6cm	4	5,1m	288W

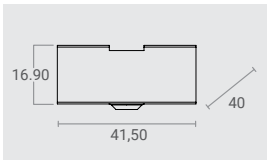
# MINILINI IP65

PRO	220-240V 50/60Hz	Ra>90	50000h L70 B20	IP65		-25° +35°C		G5/ h24	Risk Group 1
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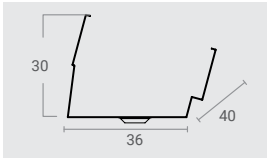


art.	W	lm	cd	K	PF		L	H	L1		
MNLO16EP12WGC30E ■	16	850	640	3000	0,95	36°x80°	40	40	295	967598	1
MNLO16EP12WGC40E ■	16	880	665	4000	0,95	36°x80°	40	40	295	967581	1
MNLO16EP12FLO30E ■	16	695	240	3000	0,95	110°	40	40	295	955311	1
MNLO16EP12FLO40E ■	16	720	250	4000	0,95	110°	40	40	295	955328	1
MNLO32EP24WGC30E ■	32	1700	1285	3000	0,95	36°x80°	40	40	585	967574	1
MNLO32EP24WGC40E ■	32	1760	1330	4000	0,95	36°x80°	40	40	585	967567	1
MNLO32EP24FLO30E ■	32	1390	480	3000	0,95	110°	40	40	585	955335	1
MNLO32EP24FLO40E ■	32	1440	495	4000	0,95	110°	40	40	585	955342	1
MNLO64EP48WGC30E ■	64	3400	2570	3000	0,95	36°x80°	40	40	1200	967543	1
MNLO64EP48WGC40E ■	64	3520	2660	4000	0,95	36°x80°	40	40	1200	967550	1

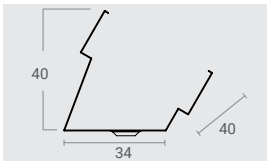
■ Limited availability - reorderable only with MOQ



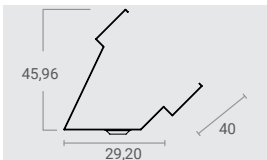
art	Description	
KTMNLBKTVERT	304 steel surface mounting bracket for vertical positioning (10 pieces). We recommend using 2 for every module.	1



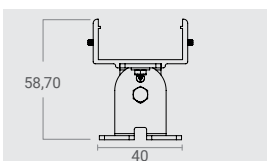
art	Description	
KTMNLBKT15	304 steel surface mounting bracket with an angle of 15° (10 pieces).	1



art	Description	
KTMNLBKT30	304 steel surface mounting bracket with an angle of 30° (10 pieces).	1



art	Description	
KTMNLBKT45	304 steel surface mounting bracket with an angle of 45° (10 pieces).	1



art	Description	
ORDEV1	35 mm surface mounting bracket, can swivel 90° in both directions (2 pieces).	1



art	Description	
KTMNLEFC	Mains connection IP65 cable. Must be completed with end caps.	1
KTMNLMFSC	IP65 cable end caps	1



# SPIKE LED

## TYPE

Garden spike LED light: classic use with modern technology.

## CHARACTERISTICS

Diffused light from a smaller point of origin: only 128mm above ground. Complete with an anti-glare cover.

## MATERIALS

Die-cast aluminium body; epoxy painted metal body and spike.

## NB

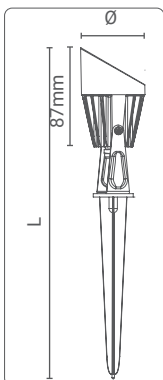
Do not use with drivers for halogen lamps; 12V AC/DC power supply not included.



BASIC	12V AC/DC	Ra>80		25000h L70 B30	IP67	IK10	-25° +35°C		G3	Risk Group 1
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art.	W	lm	cd	K	PF		Ø	L			
LND0760NW	7	430	434	4000	0,70	60°	56	290	290	8011905	50

Can be used with Duralamp's driver for LEDs:  
SLD-50-24 MAX 3 light fixtures





### **SPIKE LED IP67**

Orientable and almost invisible



# INGROUND WALK-ON IP67 FITTING

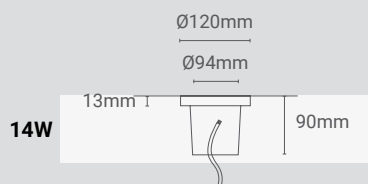
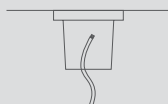


60°



14W

Ø94mm



# INGROUND WALK-ON IP67

## TYPE

LED fixtures with SMD technology for inground installation; walk-on fixtures.

## CHARACTERISTICS

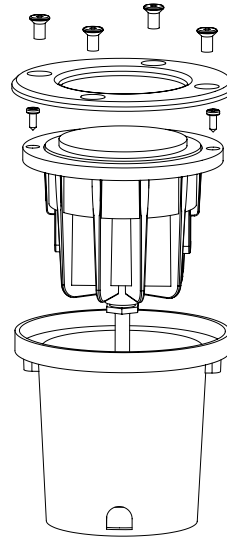
Complete with finishing ring and completely sealed transparent glass.

## MATERIALS

Metal body, brushed steel ring, shockproof IK10 glass screen; plastic sleeve.

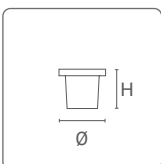
## NB

Do not use with drivers for halogen lamps; 12V AC/DC power supply not included.



PLUS		12V AC/DC	Ra>80		35000h L70	IP67	IK10	-20° +35°C		G3	Risk Group 1
art.	W	lm	cd	K	PF		∅	H			
DU401430 ♦	14	1000	1100	3000	0,70	60°	120	90	94	680	843885
											32

♦ To be discontinued



# PLAFO T2

## TYPE

LED lamps with SMD technology in a fixture for ceiling or surface installations. Version with proximity sensor.

## CHARACTERISTICS

Excellent light diffusion across the entire surface. Non-replaceable internal power supply.

## MATERIALS

Metal body; satin effect plastic diffusor.

## APPLICATIONS

Typically used in stairwells, apartment and residential building entrances, waiting rooms and surgeries, etc.

## NB

Do not use with dimmers. Connection to the mains with terminal block.

Version with proximity sensor: ideal where increased visibility and safety is required obtaining the certainty of energy saving.

The sensor is housed inside a cover and is therefore invisible.

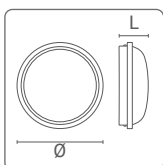


<b>BASIC</b>	220-240V 50/60Hz	Ra>80		20000h L70 B30	IP40	-25° +35°C		<b>G3</b>	Risk Group 0	
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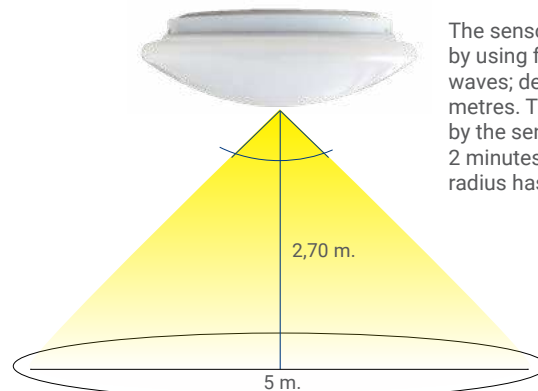
art.	W	lm	cd	K	PF		Ø	L			
LC001W	20	1650	370	3000	0,7	120°	280	90	350	862688	10
LC001	20	1700	400	4000	0,7	120°	280	90	350	861162	10
LC002W	30	2550	570	3000	0,97	120°	400	120	750	862695	5
LC002	30	2600	600	4000	0,97	120°	400	120	750	861179	5

art.	W	lm	cd	K	PF		Ø	L			
LC001-MW *	20	1600	400	4000	0,70	120°	270	90	290	927349	10

\* Fixture fitted with a proximity sensor.



**LC001-MW**



The sensor detects movement by using frequency modulation waves; detection distance 5-8 metres. The fixture is turned on by the sensor and stays on for 2 minutes once the detection radius has been cleared.



## PLAFO T2

4000K

# BULKHEAD T&O IP65



IP65	IK10
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BASIC	25000h L70 B30
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## ACCESSORIES



## APPLICATIONS

Stairwell lighting, terraces, corridors, common areas, gardens, bathrooms etc.





# BULKHEAD T&O IP65

## TYPE

IP65 ceiling/wall light with new generation LED sources using SMD technology.

## CHARACTERISTICS

Typically used for diffused lighting for both indoor and outdoor or wet environments (IP65). Substitutes ceiling fixtures with fluorescent lamps to give immediate lighting without flickering and increased duration.

## MATERIALS

Shockproof plastic IK10 body and screen. Driver on board not accessible.

## MOUNTING

The bracket attaches to the wall or the ceiling and the fixture is screwed onto the bracket.

## NB

No Dimming.

BASIC	220-240V 50/60Hz	Ra>80		25000h L70 B30	IP65	IK10	-20° +35°C		G3	Risk Group 0
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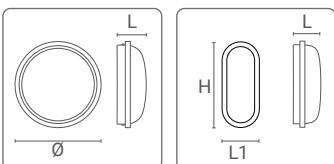


art.	W	lm	cd	K	PF		L	Ø			
BH20	20	2000	560	4000	0,5	120°	73	220	432	8011905 843632	10



art.	W	lm	cd	K	PF		L	L1	H			
BH015	15	1500	410	4000	0,5	120°	63	114	214	278	8011905 843656	10

• Minimum Order Quantity



# ACCESSORIES T&O



Black or white anti-glare for round bulkhead

art		L	Ø		8011905	
KTBH20HMB		55	227	62	861032	1
KTBH20HMW		55	227	62	861247	1



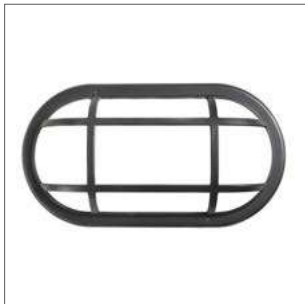
Black or white grid accessory for round bulkhead

art		L	Ø		8011905	
KTBH20GRB		54	227	65	861216	1
KTBH20GRW		54	227	65	861209	1



Black ring accessory for round bulkhead

art		L	Ø		8011905	
KTBH20ARB		24	227	50	861056	1



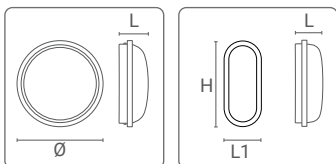
Black or white grid accessory for oval bulkhead

art		L	H	L1		8011905	
KTBH15GRB		120	220	46	50	861230	1
KTBH15GRW		120	220	46	50	861223	1



Black ring accessory for oval bulkhead

art		L	H	L1		8011905	
KTBH15ARB		120	220	24	40	861070	1



# SEGNASENTIERO IP65

## TYPE

Wall mounted. Surface pathway markers

## CHARACTERISTICS

Three light shielding versions for different lighting effects: full light, downwards and up&down.

## MATERIAL

Heat-resistant plastic body; opal polycarbonate screen.

## INSTALLATION

Surface with the bracket supplied.

## APPLICATIONS

Pathway marker.

**LUCE 1**



**LUCE 50 2**



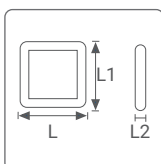
**UP&DOWN 3**



BASIC	220-240V 50/60Hz	Ra>80		25000h L70 B30	IP65	-25° +35°C		G2	Risk Group 0
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art.	Photo	W	lm	K	PF		L	L1	L2		
SW001W ♦	1	4	370	3000	0,51	120°	140	140	51	8011905 927424	50
SW001N ♦	1	4	370	4000	0,51	120°	140	140	51	927455	50
SW002W ♦	2	4	180	3000	0,51	120°	140	140	53	927431	50
SW002N ♦	2	4	180	4000	0,51	120°	140	140	53	927462	50
SW003W ♦	3	4	100	3000	0,51	120°	140	140	53	927448	50
SW003N ♦	3	4	100	4000	0,51	120°	140	140	53	927479	50

♦ To be discontinued



# ZOE STEP-MARKER IP54

## TYPE

Die-cast aluminium recessed step-marker.

## CHARACTERISTICS

Extremely compact, indirect lighting, staggered reflective compartment to maximise flux and optics protected from insects.

## MATERIAL

Powder coated die-cast aluminium in three different colours.

## INSTALLATION

Recessed using the springs supplied.

## APPLICATIONS

Step-marker. Ideal for use on stairs to improve safety.

## WHITE 1



## GREY 3



## BLACK 2



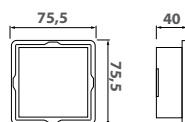
BASIC	220-240V 50/60Hz	Ra>80		15000h L70 B20	IP54	-25° +35°C		G2	Risk Group 0
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art.	Photo	W	lm	K	PF	L	H	L2	8011905	
ZW01W-W ♦	1	3	90	3000	0,7	84	84	30	941178	10
ZW01N-W ♦	1	3	90	4000	0,7	84	84	30	941185	10
ZW01W-B ♦	2	3	90	3000	0,7	84	84	30	941192	10
ZW01N-B ♦	2	3	90	4000	0,7	84	84	30	941208	10
ZW01W-G ♦	3	3	90	3000	0,7	84	84	30	941215	10
ZW01N-G ♦	3	3	90	4000	0,7	84	84	30	941222	10

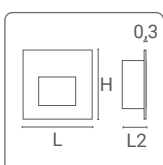
♦ To be discontinued

Installed with counter casing

art.	8011905
KT000B	8011905972271



The back box is automatically shipped with each ZOE item.





**ZOE STEP-MARKER IP54**

4000K



# DRIVERS AND CONTROLLERS

# DURASTRIP DRIVERS

## CHARACTERISTICS

SELV equivalent; protection device in case of short circuit or overload in the secondary circuit.

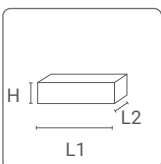
IP20



**FLICKER FREE**



art.	W	Volt IN	Volt OUT	PF	L1	L2	H	8011905	
SLD-50-24	50	100-240	24VDC	0,9	280	30	17	976439	1
SLD-80-24	80	100-240	24VDC	0,9	320	30	17	976422	1
<b>New</b> SLD-150-24	150	100-240	24VDC	0,9	330	32	22	000776	1



# DURASTRIP DALI DRIVERS

IP67



**FLICKER FREE**



art.	W/Volt IN	W/Volt IN	W/Volt OUT	PF	L	L2	H	8011905	
<b>ELG-75-24DA-3Y</b>	75 (220V-240V)	60 (100V-120V)	24VDC	0,9	180	63	35,5	975807	1
<b>ELG-100-24DA-3Y</b>	96 (220V-240V)	70 (100V-120V)	24VDC	0,9	199	63	35,5	975753	1
<b>ELG-150-24DA-3Y</b>	150 (220V-240V)	105 (100V-120V)	24VDC	0,9	219	63	35,5	975760	1
<b>ELG-200-24DA-3Y</b>	200 (220V-240V)	150 (100V-120V)	24VDC	0,9	244	71	37,5	975821	1
<b>ELG-240-24DA-3Y</b>	240 (220V-240V)	180 (100V-120V)	24VDC	0,9	244	71	37,5	975814	1

Dimming curve expressed as a function of the load, i.e. inversely proportional to the percentage value of the power supply load.

If the product is used at full load, the dimming curve is linear from 10 to 100%, if it is used at half load, the dimming possibility is halved, i.e. a dimming on the control side of 50% will produce a real load dimming of 25%.

It is important to distribute the power evenly over the power supplies in the same area of the installation to achieve consistent dimming levels. It is important to distribute the power evenly over the power supplies in the same area of the installation to achieve consistent dimming levels.

# DURASTRIP DRIVERS



**FLICKER FREE**



art.	W	Volt IN	Volt OUT	PF	L	L2	H	8011905	
<b>XLG-100-24-A</b>	100	100-240	24VDC	0,9	140	63	32	976958	1
<b>XLG-150-24-A</b>	150	100-240	24VDC	0,9	180	63	35.5	976941	1
<b>XLG-200-24-A</b>	200	100-240	24VDC	0,9	199	63	35.5	976934	1
<b>ELG-240-24A-3Y</b>	240	100-240	24VDC	0,9	244	71	38	981303	1
<b>HLG-320H-24</b>	320	100-240	24VDC	0,9	252	90	44	981297	1
<b>HLG-600H-24A</b>	600	100-240	24VDC	0,9	280	144	49	976491	1
<b>HLG-320H-48A (1)</b>	320	100-240	48VDC	0,95	252	90	43,8	931575	1

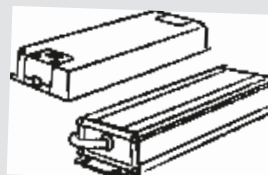
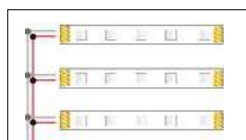
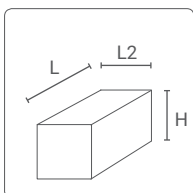
# CONNECTION DIAGRAM



## ELECTRICAL CONNECTION: CONNECTIONS IN SERIES OR PARALLEL

single reel power (W)	L (m)	connection	driver @24Vdc	note
280	50m	-	320W [48Vdc]	
220	20m	-	320W	
220	40m	-	600W	
210	5m	-	320W	
150	5m	-	200W	
120	5m	-	150W	
120	10m	Parallel	300 ÷ 320W	
120	15m	Parallel	>400W	
110	5m	-	120 ÷ 150W	
110	10m	Parallel	240W	
110	15m	Parallel	>400W	
100	5m	Parallel	120W	
100	10m	Parallel	240W	
100	15m	Parallel	320W	
75W	5m	-	100W	
75W	10m	Parallel	200W	Each 5m must be installed in parallel
75W	20m	Parallel	320W	
60W	5m	-	100W	
60W	10m	Parallel	200W	Each 5m must be installed in parallel
60W	20m	Parallel	320W	
40W/45W	10m	Series	100W	
40W/45W	15m	Parallel	200W	Each 10m must be installed in parallel
40W/45W	35m	Series and Parallel	320W	
25W	15m	Series	100W	
25W	20m	Parallel	120 ÷ 150W	Each 15m must be installed in parallel
25W	60m	Series and Parallel	320W	

For further details on other connection configurations see the connection diagrams by pointing at the qr code:



WE RECOMMEND TO USE THE POWER SUPPLIES FOR LED SOURCES INDICATED IN THE CATALOGUE.

# MULTI-CURRENT CONSTANT CURRENT DIMMABLE DRIVERS

IP20

## CHARACTERISTICS

Can be used with fittings with replaceable remote driver.  
220÷240V 50/60Hz



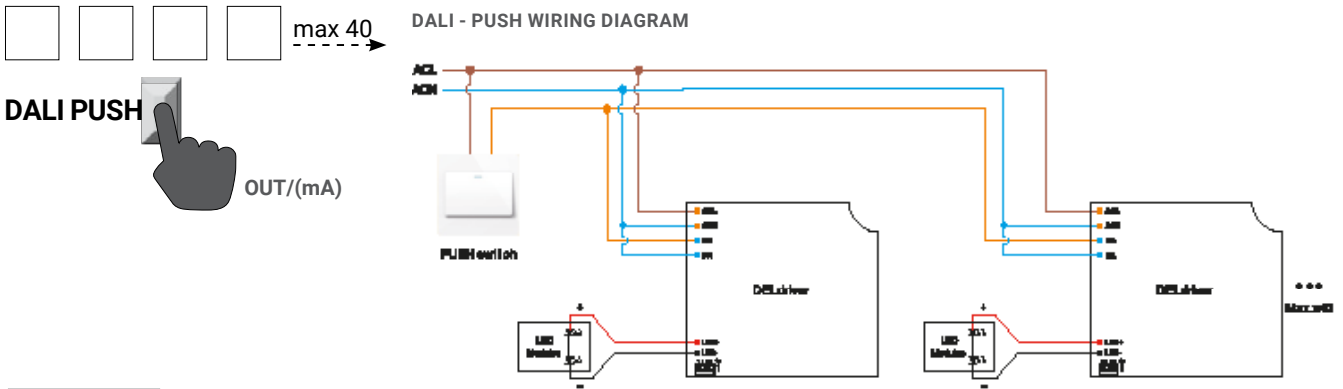
**FLICKER FREE**



art.	W Max	Volt IN	OUTPUT current	PF	L1	L2	H		8015466	
A01486 *	42	220/240Vac/dc	450÷1100mA	0,95	103	68,5	30,5	170	162287	1

\* DALI 2 - DALI Push

Suitable for use in a centralised power supply for emergency lighting.



**FLICKER FREE**



art.	W Max	Volt IN	OUTPUT current	PF	L1	L2	H		8011905	
DELT40D-M	40	220/240Vac	300÷1050mA	0,95	147	44	30	137	863210	1

\* DALI 2 - DALI Push

Suitable for use in a centralised power supply for emergency lighting.



**FLICKER FREE**



art.	W Max	Volt IN	OUTPUT current	PF	L1	L2	H		8011905	
DELT65D-M **	60	220/240Vac	800÷2000mA	0,95	125	80	30	245	935474	1

\*\* DALI 2 - 1-10V - DALI Push



# MULTI-CURRENT CONSTANT CURRENT DIMMABLE DRIVERS

IP20



**FLICKER FREE**

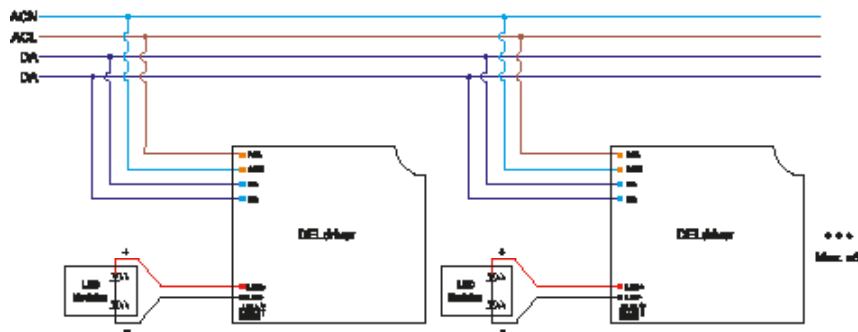


art.	W Max	Volt IN	OUTPUT current	PF	L1	L2	H		8011905	
ZK600-1400S	50	220/240Vac	600÷1400mA	0,95	110	75	26	113	933265	1

\* DALI 2 - 1-10V - DALI Push

Suitable for use in a centralised power supply for emergency lighting.  
 Preset power supply for Slimflux CCT panels, 680mA OUT.

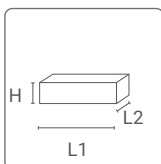
## DALI WIRING DIAGRAM



**FLICKER FREE**

art.	W Max	Volt IN	OUTPUT current	PF	L1	L2	H		8011905	
DELTA40D-10V	40	220/240Vac	550÷1050mA	0,95	141	46	28	129	993061	1

1-10V



# MULTI-CURRENT CONSTANT CURRENT DRIVERS

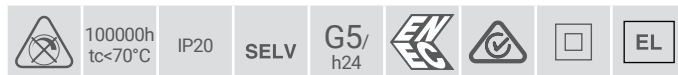
IP20

## CHARACTERISTICS

Can be used with fittings with replaceable remote driver.  
220÷240V 50/60Hz



**FLICKER FREE** III



art.	W Max	Volt IN	OUTPUT current	PF	L1	L2	H		8015466	
A01484	40	220/240Vac/dc	800÷1000mA	0,95	142	50	30	95	162263	1

Suitable for use in a centralised power supply for emergency lighting.



**FLICKER FREE** III



art.	W Max	Volt IN	OUTPUT current	PF	L1	L2	H		8015466	
A01485	40	220/240Vac/dc	700÷900mA	0,95	142	50	30	95	162270	1

Suitable for use in a centralised power supply for emergency lighting.

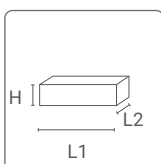
# CONSTANT CURRENT DRIVERS



**FLICKER FREE** III



art.	W Max	Volt IN	OUTPUT current	PF	L1	L2	H		8011905	
<b>NEW</b> ZKLP600EL	40	220/240Vac/dc	600mA	0,95	119	42,5	28	102	325930	1
ZKLP700EL	31.5	220/240Vac/dc	750mA	0,95	119	42,5	28	95	990350	1
ZKLP1400-EL	60	220/240Vac/dc	1400mA	0,95	156	50	38	195	990565	1

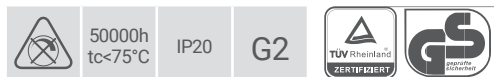


# CONSTANT VOLTAGE DRIVERS

IP20

## NOTE

It is advisable not to charge the driver more than 55% of its power in order to consider the in-rush current of LED lamps.



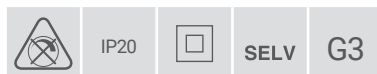
art.	W	Volt OUT	Volt IN	L1	L2	H		8011905	
DELT20A-12 ♦	20	12V <sub>DC</sub>	220-240V	154	50	22	59	834616	10

♦ To be discontinued



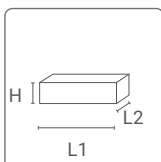
art.	W	Volt OUT	Volt IN	PF	L1	L2	H	8011905	
SLD-50-12	50	12VDC	110-305	0,9	280	30	17	976880	1
SLD-80-12	80	12VDC	110-305	0,9	320	30	17	976873	1

# DRIVER FOR 12V HALOGEN LAMPS



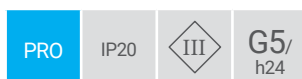
art.	W	Volt	Volt OUT	Volt IN	L1	L2	H	8011905	
DELT12150P ♦	50-150	220-240	11,5	220-240	180	46	36	826468	25

♦ To be discontinued



# CONTROL INTERFACE TO BE USED WITH DURASTRIP

Dimming and control systems can be used to improve the ambient aspect: they help creating special, different, soft and always lively atmospheres. Moreover, they have an important function of energy saving: by varying the emission and/or activating/deactivating the system or appliances, they allow optimising the presence of solar lighting.



## DALI CONTROLLER FOR DURASTRIP WHITE LIGHT

art.	Max current (A)	Volt OUT	Volt IN	Connection	IP	L1	L2	H	8011905
<b>ZKCDAFF</b>	8/CH	12-24V <sub>DC</sub>	12-24V <sub>DC</sub>	Screw	20	167	51	23	95541 1

2-channel controller.

## 1-10V CONTROLLER FOR DURASTRIP WHITE LIGHT

art.	Max current (A)	Volt OUT	Volt IN	Connection	IP	L1	L2	H	8011905
<b>ZKC1-10</b>	10	12-24V <sub>DC</sub>	12-24V <sub>DC</sub>	Screw	20	168	51	23	833374 1

It can be used with all White light Durastrips.



### DALI INTERFACE

The DALI (Digital Addressable Lighting Interface) is a digital protocol interfacing with the power supplies. It is widely used in the lighting field as it provides visible benefits compared to the 1-10V analog control technology (it is essentially a flexible, digital control that allows addressing the single appliances).

The DALI protocol allows defining appliance units and managing the lighting sceneries, to create the right lighting of an ambient according to its use. Different lighting sceneries can be configured and enabled using a simple key, without involving the system wiring.

The DALI protocol is more simple and economic compared to the integrated management systems of a building (building management).

A DALI network can control up to 64 appliances/lamps.



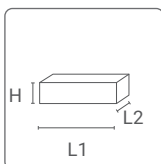
### 1-10V DIMMING INTERFACE

The 1-10V luminous intensity control system runs with analog technology: 1 corresponds to 0% and 10 to 100% of the lamp emission.

The intensity can be adjusted by using the linear curve or logarithmic curve and it is the simplest system to install.

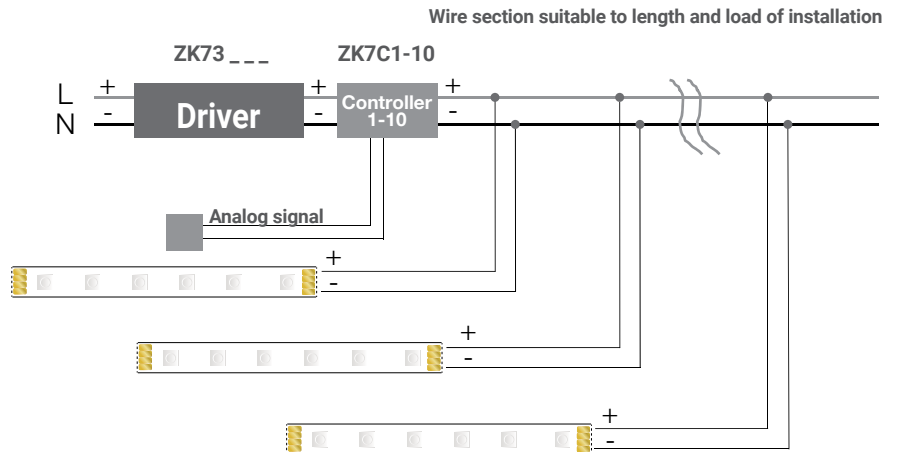
The connection is carried out by 2 polarity wires placed between the power supply and controller. It can be used with active or passive control systems.

How to use DURASTRIP with our controllers? Here the indications of maximum power.		<b>DURASTRIP 24VDC</b>
	<b>ZKCDAFF</b>	240W/CH
	<b>ZKC1-10</b>	240W

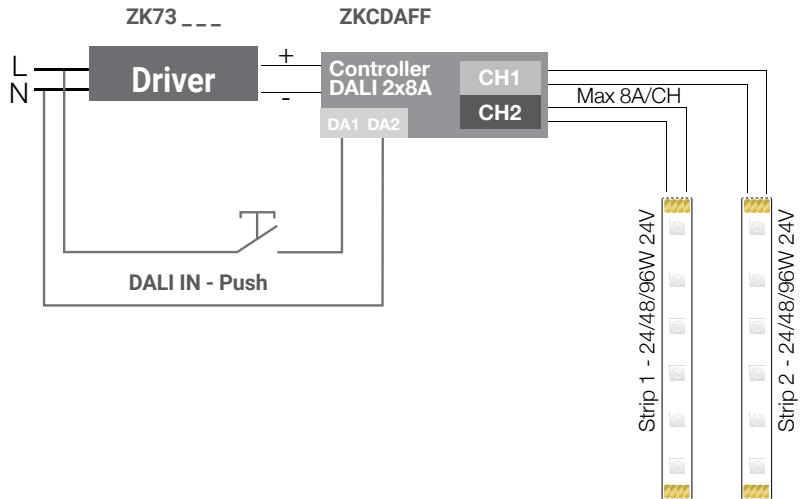


# DURASTRIP WIRING DIAGRAMS

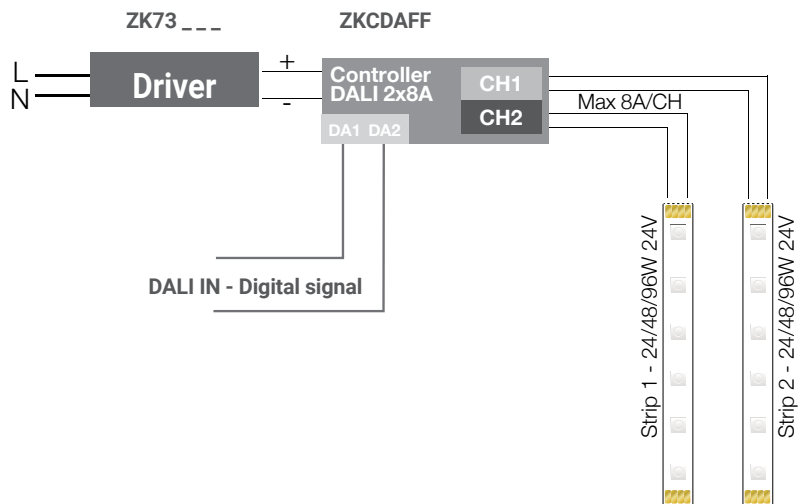
DURASTRIP  
CONTROLLERS:  
1-10V scheme



DURASTRIP  
CONTROLLERS:  
DALI scheme (Push)





DURASTRIP  
CONTROLLERS:  
DALI Scheme





# CONTROL INTERFACE TO BE USED WITH DURASTRIP



## DMX CONTROLLER FOR DURASTRIP RGB (OR WHITE ON 3 CHANNELS)

art.	Max current (A)	Volt OUT	Volt IN	Connection	IP	L	L2	H	 8011905 
ZKCDMX-R *	5/CH	12-24V <sub>DC</sub>	12-24V <sub>DC</sub>	RJ45/Screw	20	178	42	33	838795 1

It can be used with all DuraStrip RGB, and white.

\* Version with RJ45 connector, which can be used in a traditional way or with remote control included in the package.



## DMX 4 CHANNELS CONTROLLER FOR DURASTRIP RGB+WHITE (OR 4 CHANNELS)

art.	Max current (A)	Volt OUT	Volt IN	Connection	IP	L	L2	H	 8011905 
ZKCDMXW	5/CH	12-24V <sub>DC</sub>	12-24V <sub>DC</sub>	Screw	20	168	51	22	838942 1

Can be used with DuraStrip RGB+white.

Connection diagrams are available at [www.duralamp.it](http://www.duralamp.it) (in the product datasheet).

## PWM SIGNAL REPEATER FOR 4 CHANNELS WHITE LIGHT STRIPS

art.	Max current (A)	Volt OUT	Volt IN	Connection	IP	L	L2	H	 8011905 
ZKREP-4CH	5/CH	24V @ 480W	12-36V <sub>DC</sub>	Screw	20	178	46	22	862701 1
ZKREP-4CH-IP	5/CH	24V @ 480W	12-36V <sub>DC</sub>	Screw	67	181	74	38	862718 1



### DMX INTERFACE

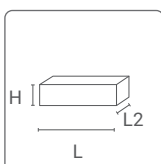
DMX512, which abbreviation is DMX (Digital Multiplex), is a communication protocol mainly used to control lighting (even LED type), from computers or control units. It is normally used to control colored lighted or white lighted appliances (RGB) with variable temperature.

Thanks to the high transmission speed of the data, the DMX allows making dynamic and even complex sceneries.

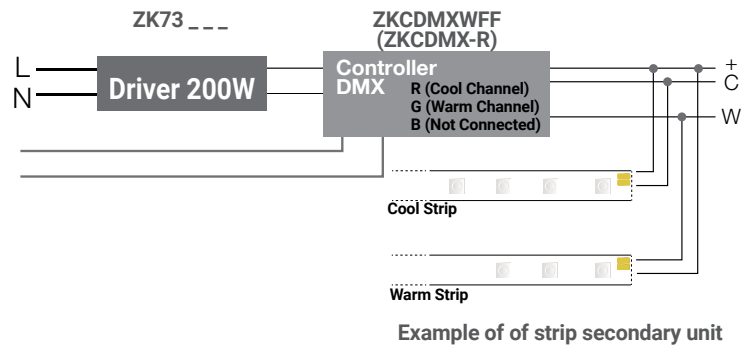
A DMX network consists in 512 channels; the number of appliances that can be controlled cannot be defined beforehand, as it depends on how many DMX channels each appliance uses. E.g., if every appliance of the DMX network uses 3 DMX channels, the network can contain 170 appliances.

ZKCDMX-R code version: Equipped with RJ45 connector for DMX signal, complete with looping system and remote sensor with plug (20 cm cable). It can be used in a traditional way or with remote control included in the packaging (signal distance 10 mt in free air).

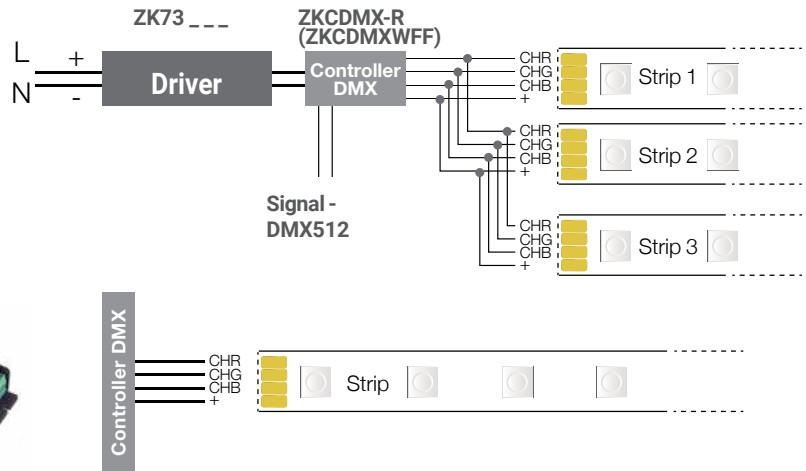
How to use DURASTRIP with our controllers? Here the indications of maximum power.		<b>DURASTRIP 24VDC</b>
	<b>ZKCDMX-R / ZKCDMXW</b>	120W/CH



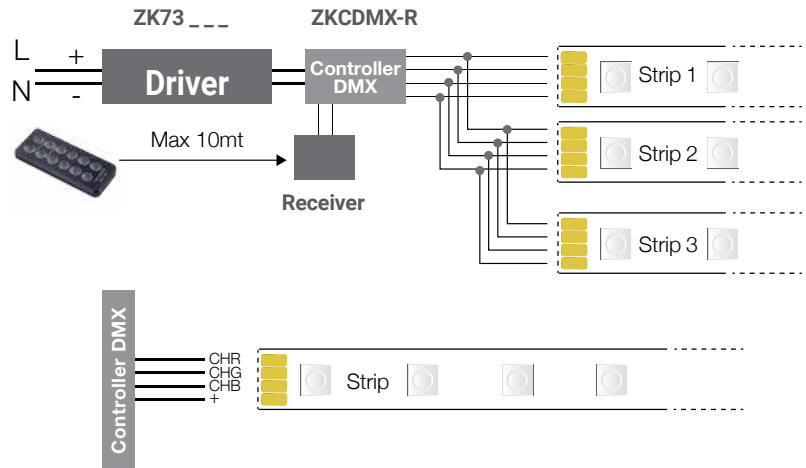
DURASTRIP  
 CONTROLLERS:  
 DMX scheme  
 linear system



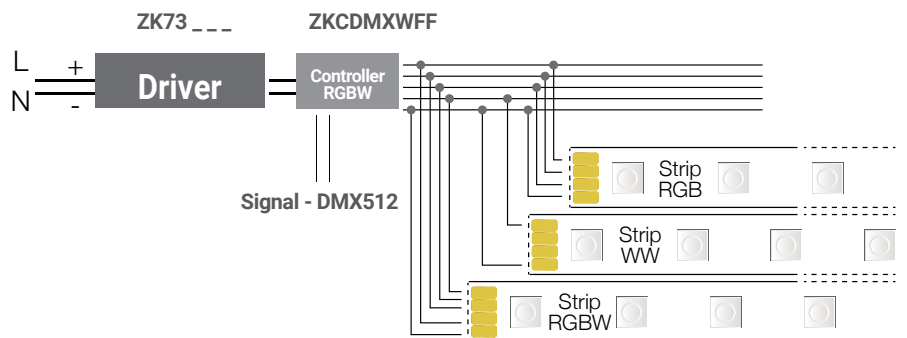
DURASTRIP  
 CONTROLLERS:  
 DMX Scheme



DURASTRIP  
 CONTROLLERS:  
 DMX IR Scheme



DURASTRIP RGBW  
 CONTROLLER RGB+W  
 (Cod. ZKCDMXW)



# WALL TOUCH DIMMER - DMX

## TYPE

Dimmers for DURASTRIP white, for DURASTRIP CTC, DURASTRIP RGB and RGB+white.

## CHARACTERISTIC

external interface in tempered glass with high touch sensibility, immediate response to touch and control precision. 4 zones can be controlled separately or synchronised. Conforms with protocol DMX512(1990). Can be used with ZKCDMX, ZKCDMX-R, ZKCDMXW. Dimmer's driver included in the box (220-240Vac / 5Vdc). Easy installation and intuitive use.



**PLUG AND PLAY!**

### DMX WALL TOUCH DIMMER FOR WHITE LIGHT DURASTRIP

art.	Input Voltage	Number of DMX channels	Number of areas	Number of scenes	L1	L2	L3	8011905	
ZKTPC-DIM	5Vdc	4	4	4	86	86	10	839635	1

Each channel can have 256 levels of light variation and 4 favourite scenes can be saved.

"Memory" function: the last color temperature chosen is recalled when the light is switched back on again; 3 scenes can be saved.

### DMX WALL DIMMER FOR CTC EFFECT

art.	Input Voltage	Number of DMX channels	Number of areas	Number of scenes	L1	L2	L3	8011905	
ZKTPC-CTC	5Vdc	8	4	3	86	86	10	839642	1

Each channel can have 256 levels of light variation and 3 favourite scenes can be saved.

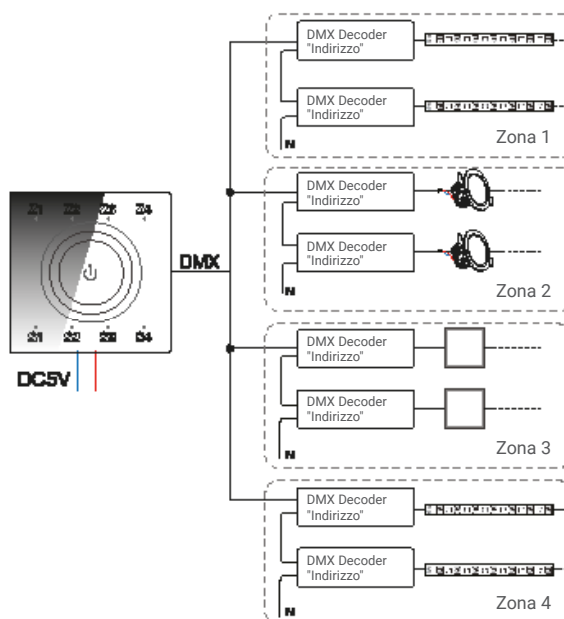
"Memory" function: the last color temperature chosen is recalled when the light is switched back on again; 3 scenes can be saved.

### DMX WALL TOUCH DIMMER FOR RGB - RGBW DURASTRIP

art.	Input Voltage	Number of DMX channels	Number of areas	Number of scenes	L1	L2	L3	8011905	
ZKTPC-RGBW	5Vdc	16	4	4	146	106	10	839659	1

"Memory" function: the last color level chosen is recalled when the light is switched back on; 4 favourite scenes can be saved. Simultaneous or synchronous control of the RGB colors and white. 36 setting modes.

## DMX DIAGRAMM

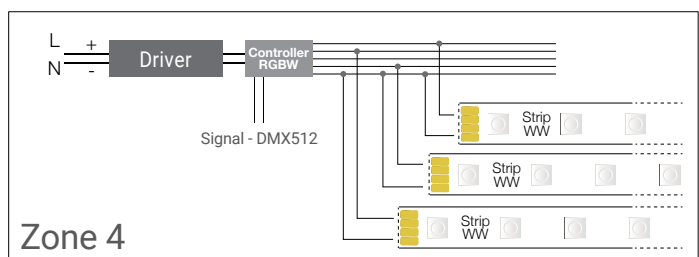
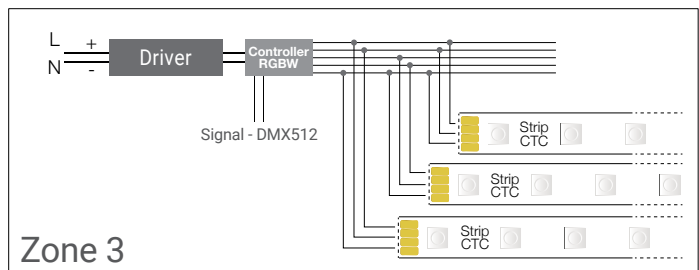
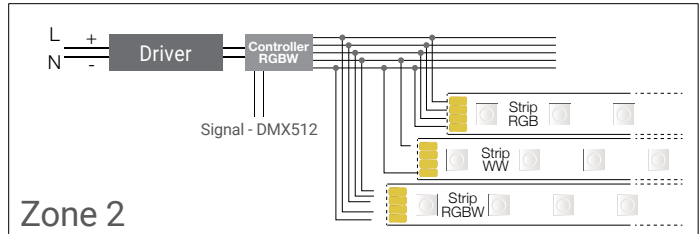
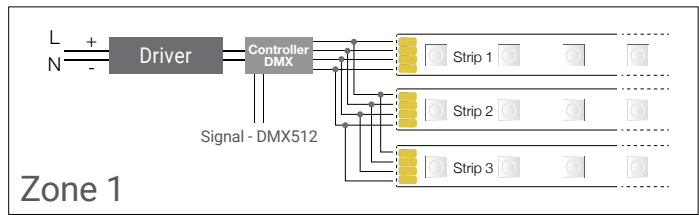


# DURASTRIP WIRING DIAGRAMS

## DURASTRIP DIMMER TOUCH



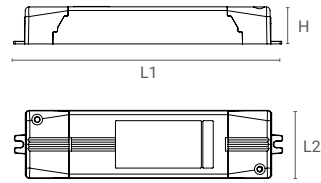
Max power indications for the use of DURASTRIP with the controllers.



# STANDBY LIGHTING FOR FITTINGS

## CHARACTERISTICS

Emergency electronic unit for standby lighting suitable for current controlled power LED. Can be used for maintained or emergency operation. Can be used with max 2A-90V. Battery life: 3 hours (Battery pack dimensions: 135x45x23mm); battery inserted in a protective case in accordance with regulations. Residual flux in emergency 7%.



Emergency working voltage (VL)	Emergency output current (I)
6-70V	10-62mA

## LED EMERGENCY KIT FOR STANDBY LIGHTING\* FOR FITTINGS

art.	Volt IN	L1	L2	H		8011905	
<b>KTEMR03</b>	220-240V	166,5	46	25	185	933012	1

\* As indicated by the UNI EN 1838.

Reserve lighting means lighting that allows you to continue normal activity without substantial change. Fixtures indicated as compatible with the kit have passed the required tests for the reserve lighting category in compliance with EN 60598-2-22

## ACCESSORIES FOR FITTINGS

	<b>SAFETY WIRE AND JUNCTION BOX</b> <b>art</b>	<b>L</b>	8011905	
	<b>LP-SSK</b> Junction box for connection to the mains, prepared for connection in cascade, equipped with safety suspension kit with steel cable for installations in seismic zones.	1200	854768	1
	<b>JUNCTION BOX</b> <b>art</b>	<b>L</b>	8011905	
	<b>FASTCON-30</b> Junction box for connection to the power supply network, prepared for connection in cascade (cable length 27cm)	270	854775	1



# INFO AND TECHNICAL DATA

# KEY

## PRODUCT CATEGORY KEY

<b>BASIC</b>	Ideal products for markets of consumers who desire a LED product and are seeking the most convenient solution in terms of its cost.
<b>PLUS</b>	Articles with outstanding performance and the best quality-price ratio, the best solution for the majority of applications.
<b>PRO</b>	Products for specific applications and top-level features, especially appreciable by industry professionals.

## LED WARRANTY SPECIFICATIONS KEY

















Warranties on all LED fixtures and LED lamps:

<b>G2</b> anni GARANZIA	Up to 2 years (4000h/year)*	*4000h = 11h a day x 365 days. Without limitations on the duration of use for the first year, provided the observance of the installation conditions.
<b>G3</b> anni GARANZIA	Up to 3 years (4000h/year)*	*4000h = 11h a day x 365 days. Without limitations on the duration of use for the first year, provided the observance of the installation conditions.
<b>G4/h24</b> anni GARANZIA	Full Guarantee 4 years (24h/24h)	h24, provides Total Warranty! The winning element for great projects.
<b>G5/h24</b> anni GARANZIA	Full Guarantee 5 years (24h/24h)	h24, Total Warranty up to 5 years use!

The specific guarantee that each item enjoys is clearly indicated in the catalog and is subject to compliance to the limitations of use. For details, refer to [www.duralamp.it](http://www.duralamp.it) or contact the sales force.

# KEY

## TABLE PAGES KEY

W	Rated watts for lamps or fixtures
V	Lamp or fixture voltage
lm	Lumen: unit of measurement of the flux emitted by a lamp or fixture. In the case of DURALAMP'S fixtures it indicates the real emission of the fixture in stable conditions. This data is the same used in the photometrics for lighting calculations.
K	K= Kelvin colour temperature indicated in Kelvin.
<b>COLOUR NM</b>	Colour in nanometres, unit of spatial measurement of wavelengths of visible/invisible radiation.
	Lamp cap
PF	Power Factor
	Beam opening
Ø/L1/L2/L3/H	Diameter and other dimensions expressed in mm except where otherwise indicated.
	Weight of single item article in grams (except where otherwise indicated)
	Minimum packaging: complying with packaging quantities when ordering speeds orders and ensures greater safety of goods.
	Minimum order quantity
	Class I Fixture- Fixture with protective earthing
	Class II Fixture – Fixture with double insulation, no earthing required
	Class III Fixture – Low voltage fixture, no earthing required
	Can be used in the open air, in open fixtures and without protective glass
	Only use in fixtures fitted with protective glass
	Elimination of UV rays.
	Do not cover with insulating material
	Can be used with a dimmer. A list of compatible dimmers is found in individual product files on the web site.
	Not to be used with a dimmer.
	Adjustable
UGRXX	UGRxx: Indicates the degree of glare: the lower the number, the lower the glare
Ra>XX	Colour Rendering Index
XX000h	Operating life in hours indicated as L70 or L50, always measured at 25° room temperature AT. The life-span is modified substantially with a rise in temperature.
	Updated tech. data

# KEY

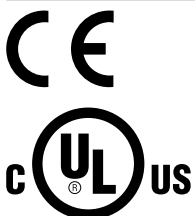
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LX0	Operating life of a LED fixture or lamp maintaining the indicated flux: L70= 70% flux; L50= 50% flux.
IK08	IK Code, International Protection Marking, classifies and rates the degree of protection for light fixtures against external mechanical impact. IK01 0,15 Joule IK02 0,20 Joule IK03 0,35 Joule IK04 0,5 Joule IK05 0,7 Joule IK06 1,00 Joule IK07 2,00 Joule IK08 5,00 Joule IK09 10,00 Joule IK10 20,00 Joule
IPXX	IP Code, International Protection Marking, classifies and rates the degree of protection for light fixtures against the intrusion of solid particles (first number) and water (second number). IP20 protected against solid objects up to Ø 12 mm. IP23 protected against solid objects up to Ø 12 mm and sprays of water. IP40 protected against solid objects over Ø 1 mm. IP43 protected against solid objects over Ø 1 mm and sprays of water. IP44 protected against solid objects over Ø 1 mm and splashed water. IP54 protected against dust and splashed water. IP55 protected against dust and low pressure jets of water. IP65 Totally protected against dust and low pressure jets of water. IP66 Totally protected against dust and strong jets of water. IP67 Totally protected against dust and temporary immersion. IP68 Totally protected against dust and immersion in water (with an indication of the permitted depth in metres).
IPVI IPVO	IP rating of the internal housing side (VI) and Optic side IP rating (VO)

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All measurements are expressed in mm except where expressly indicated.

**NB** Available on order: the message “Available on order” often appears in the catalogue. We’ve added it to offer our customers the broadest choice option. Careful though: if an article is available “on order”, it means that it is not readily available in stock and only minimum quantities are available for purchase. We therefore recommend that you contact sales for further details.



**CERTIFIED QUALITY**  
All Duralamp products are CE marked, ie they comply with all applicable European Directives. The UL mark is issued after certification of the product by third parties such as UL, an independent, non-governmental and non-profit organisation whose mission is to ensure that products conform to standards set by ANSI, the American National Standards Institute. UL certification is therefore a Quality and Safety mark and is required for products to be used in the United States and countries that make reference to the same standards.



The EAC mark is the Euroasian Conformity mark required for exporting products to the Customs Union of Russia, Belarus, Armenia, Kazakhstan, Kyrgyzstan. It is comparable to the CE mark and refers to the declaration of compliancy to the technical standards required by the Eurasian Customs Union.



Duralamp operate under ISO 9001, an international reference standard for quality management of all company processes.

# TECHNICAL ANALYSIS

lm

## FLUX AND EFFICIENCY

Luminous Flux and Efficiency represent the key information for the evaluation of the performance of a product. What do they represent exactly? Luminous flux represents the emission of the LED source, that is the total amount of light produced by the light source. Efficiency represents the ration between the emission and the power absorbed by the source, that is the total amount of emitted light divided per the energy consumed by the LED source. Nowadays there is not a sole way of publishing these data, each company on the market makes its own choice. This means that catalogues of different companies publish different kinds of information, ranging from the data declared by LED producers to values referable to the LED source in peculiar conditions, but also to values that take into account the "loss" due to reflectors, lenses, drivers and so on. In general, the most reliable data is the value measured on the fixture in its effective usage conditions. In order to let our customers have a clearer idea of the declared data, Duralamp specifies for each LED fixture both its effective flux/efficiency values and the values directly referable to the source, as declared by the producer. The purpose of this methodic choice is to simplify the understanding of the data, and, consequently, to provide our customer the immediate possibility of comparison among Duralamp lighting fixtures and those by other brands. The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site web.

L70

## LED LIFESPAN

LED lamps, unlike traditional lamps do not suddenly stop working but gradually decrease their initial flow unless there are defects or electric shocks. A LED lamp is considered to be no longer functioning it reaches 70% of their initial flow (L70). Life tests are performed following standard IES LM-80. The life span of LED lamps is strongly influenced by the lamps operating temperature once they are installed in fixtures. Duralamp fixtures are designed to have a very low LED operating temperature to ensure the lamps have a very long lifespan.

L80 B10

According to the IEC / PAS 62717 standard, the useful life of a LED can be defined with an additional parameter, for example 50'000h L80B10, meaning the period of time (50'000h) in which 10% (B10) of the LED products of the same type has gradually fallen below 80% of the initial nominal flux.

TC

## TEMPERATURE AND PERFORMANCE

The working temperature of a LED source has a significant effect on its useful life, maintenance of luminous flux and efficiency. Correct temperature management, i.e. thermal management of the power in use is a crucial factor in ensuring the performance and reliability of products.

The main characteristic to determine reliability of a product and consistency of performance is measuring the junction temperature (Tj), that can be measured indirectly as luminous flux and the useful life are linked to this parameter. Tj values between 60°C and 90°C allow you to have products with high reliability, performance and estimated lifespans that adhere to market demands.

Careful attention must be paid when reading the declared data given that LED manufacturers provide data on the flux at a temperature of Tj 25°C, a condition that is not physically possible for normal use where the LED source is turned on and tested in a fraction of a second and does not produce any heat. Duralamp products are measured and characterised for thermal stability to provide real data on everyday use for the catalogue and users. Well-designed fixtures that ensure proper dissipation also ensure constant flow, colour and spectrum parameters as well as reliability and durability in the declared lifespan.



## COLOUR CONSISTENCY

LED lamps have extensive production tolerances in relation to chromaticity. For years Duralamp has only used lamps with colour consistency that is measured using the MacAdam Ellipse system. This allows for absolute repeatability of the colour characteristics compared to the binning based system. LED lamps used by Duralamp are at least 3-steps of MacAdam (3SDCM).

Ra

## COLOUR RENDERING INDEX CRI or Ra

The colour rendering index CRI indicates the ability of a light source to reveal colours faithfully. Lighting a coloured object with two sources with different CRI will reveal different colours depending on the source used. It is important not to confuse the CRI with data relating to the colour temperature of a source (expressed in K); two sources with the same colour temperature can have different colour rendering indexes. The CRI strongly influences the efficiency of a LED source and many times lighting designers have to

choose between the quality and quantity of light. The LED sources that are fitted in products in the Duralamp collection normally have a colour rendering index that reaches CRI 85. In some case there are also sources with a high colour rendering index (CRI>95).

TM30

## New TM30 Standard - a more precise colour definition

It is evident that a single index is not sufficient to completely characterize the colour rendering of a source. The TM-30 is the method by which we group together well-known evaluation systems, organized in a systematic way, with the introduction of two other different indexes, the Fidelity Index Rf (which indicates the fidelity of colour rendering) and the Gamut Index Rg (used to evaluate the increase or decrease in saturation), in turn accompanied by a form of graphic representation. Furthermore the method evaluates the illuminant on 99 samples (CES) that reflect the colours of the leaves, flowers, skin tones, paintings, etc. so as to extend our ability to establish its specific rendering.



## UGR

UGR (Unified Glare Rating) is a unified factor in the international field developed by the CIE (International Commission on Illumination) to evaluate direct discomfort glare due to the use of lighting products. In the European Standard relating to indoor workplaces UNI EN 12464-1, the UGR varies from a minimum value of 10 (no glare) to a maximum value of 30 (considerable glare). The lower the value the lower the glare. The UGR value needs to be calculated because it takes into account the size and characteristics of the environment, the background luminance (ceiling, wall, etc), the luminance of light fixtures and the position of the latter in relation to the observation point.

UGR classification applications

- <13 imperceptible
- ≤16 perceptible technical drawings
- ≤19 perceptible reading, writing, schools, offices, working on a pc
- ≤22 perceptible industry and crafts
- ≤25 uncomfortable raw industrial jobs
- ≤28 uncomfortable railway tracks, warehouses
- >28 intolerable

## Flicker



Fixtures with the “SAFE FLICKER” logo have parameters of  $P_{st}^{LM}=1$  and  $SVM \leq 1$ , in compliance with regulations IEC TR 61547-1 and IEC TR 63158, to ensure a more comfortable and safe light.

- **$P_{st}^{LM}$  (Short-Term flicker)**

Quantifies visible Flicker that is harmful to human health caused by the modulation of light in the frequency range between 0.3Hz and 80Hz.

**The recommended threshold is  $P_{st}^{LM} = 1$ .**

Note – This value was determined based on a representative test group of people and identifies the average perception threshold of visible flicker.

- **SVM (Stroboscopic Visibility Measure)**

Quantifies stroboscopic effects that can occur in situations relating to objects in movement in the presence of modulation of light in the frequency range between 80Hz and 20KHz.

**SVM=1 represents the visibility threshold in a test group of people that quantifies the stroboscopic effect in defined laboratory conditions.**

Fixtures that do not bear the “SAFE FLICKER” logo on the other hand show the flicker value declared by the driver manufacturer which is not determined according to IEC criteria.

Constant renewal of drivers will bring about the introduction of new models in line with IEC requirements. For more details and/or specific needs please contact our technical department.

# Technical details

Flicker is defined as “the rapid variation of the intensity of a light source over time”; in particular that relating to the frequency range between 0-80Hz.

When fluctuations on the other hand belong to the interval between 80Hz-2KHz this are called “Stroboscopic effects” in which light fluctuation produces an incorrect perception of the movement of objects lit by the same source by a static observer.

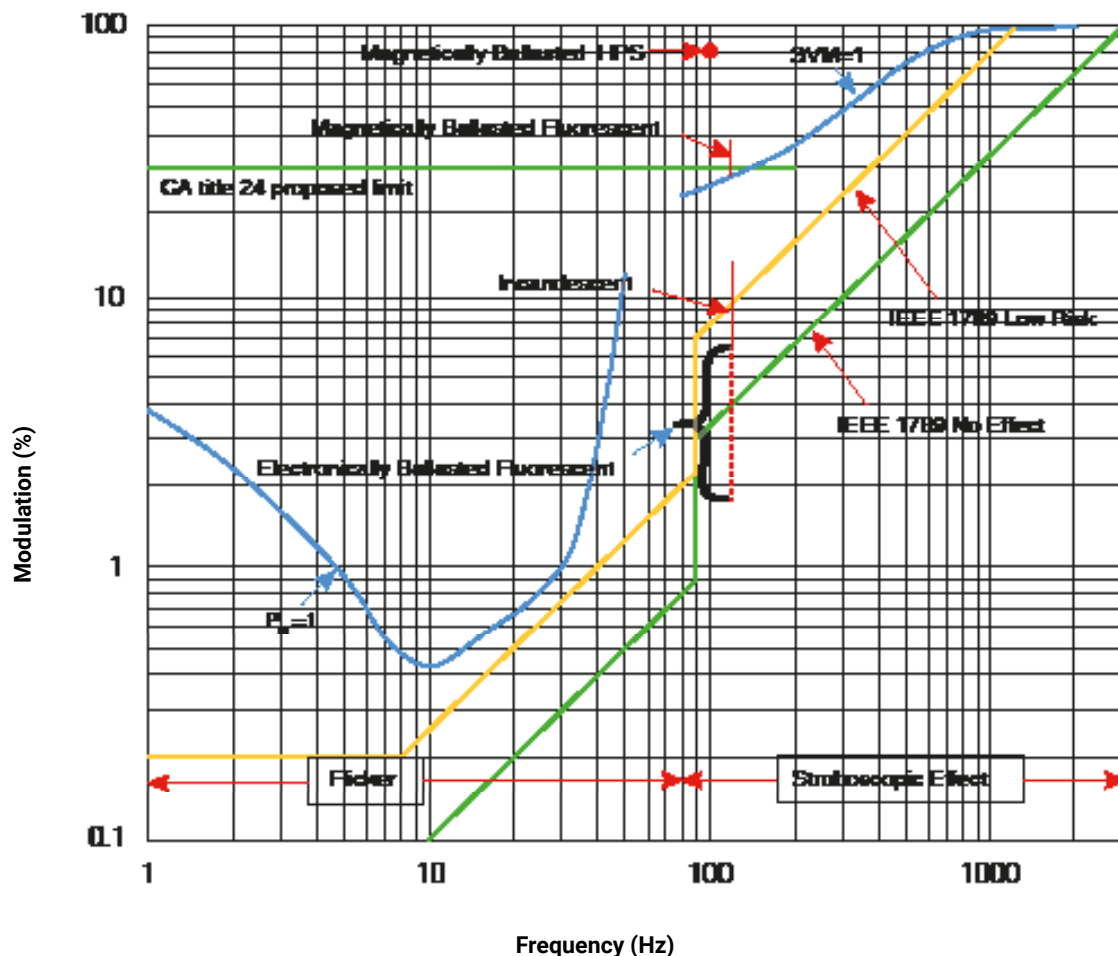
This phenomenon became increasingly important following the introduction of LED light sources for general lighting given the combination of the following aspects:

- LED sources are characterised by a high speed response to fluctuations in the power supply which translate into variations of the light emitted
- Unwanted residual fluctuations of the driving current of LED sources generated by the electronic power supplies used
- Modulation of the driving current of LED sources for example PWM (Pulse Width Modulation), necessary to adjust the emission level
- Any instability in the operation of dimmers connected externally to the LED source power supplies

This fluctuation in light intensity, according to the frequency, intensity, viewing angle, level of light in the environment, age of the observer and their sensitivity level, can be perceptible on a conscious and/or unconscious level and generate a series of side effects depending on the sensitivity level such as: headaches, visual fatigue, distraction etc.

In order to mitigate the risks on health in lighting contexts using LED sources, recommendations have been developed for the American market (see: IEEE Std 1789™-2015), and the European market with Technical Reports IEC TR 61547-1 and IEC TR 63158.

The graphic below summarises the limits provided for in the two different “regulations”, based on different evaluation mechanisms to establish when a fixture is “SAFE” for observers.



# PHOTOMETRICS KEY

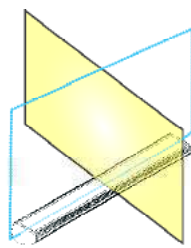
Photometric measurements were taken at the Duralamp Photometric Laboratory. These measurements are performed at a room temperature equal to  $25 \pm 1$  °C as required by UNI EN 13032-1 - Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 1.

The photometric values quoted are dependent on the optical system to which they relate, and from the light source used. In order to improve its production, the Company reserves the right to change these optical systems and consequently relative photometric data without notice.

For ease of use, the photometric curve present within this catalogue is shown and explained below.

On the web site [www.duralamp.it](http://www.duralamp.it) the special section "INFO TECH /Eulumdat" provides all the photometric data in ldt. format that is also given on every product datasheet.

The photometric curves shown in this catalogue are compiled according to the "C-γ" international reference system, where the C0-C180 plane is perpendicular to the fixtures and the C90-C270 plane is parallel to the fixtures, as depicted in the figure. For symmetrical and rotationally symmetric fixtures therefore, a single curve is used.

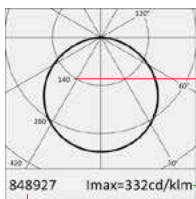


REFERENCE "C-γ"

— TRANSVERSE PLANE  
Plane C0° - C180°  
Beam angles  $\alpha$

- - - LONGITUDINAL PLANE  
Plane C90° - C270°  
Beam angles  $\beta$

## POLAR DYAGRAM



LUMINOUS INTENSITY  
PHOTOMETRIC CURVE  
IMAX

4000K Ra90		KELVIN - IRC/Ra
Fixture Power	12W	FIXTURE POWER
Source Flux	1180lm	LED FLUX
Fixture Flux	1180lm	FIXTURE FLUX
Efficacy	98lm/W	EFFICACY
I <sub>max</sub>	391cd	IMAX

H(m)	D(m)	E <sub>max</sub> (lx)	
	118°		BEAM ANGLE
1	3.31	391	DISTANCE FROM THE PLAN (m)
2	6.61	98	
3	9.92	43	∅ LUMINOUS CONE (m)
4	13.23	24	
5	16.53	16	MAX ILLUMINATION (lx)

PHOTOMETRIC CODE: these are the last 6 digits of the item's barcode

All Duralamp luminaires have integrated LED sources that cannot be separated: therefore the source flux and the luminaire flux show the same value.

# INDEX

28530LL	99	B60MB	65	DBTR160-B	99	ELG-150-24DA-3Y	176
28540LL	99	B60MW	65	DBTR160-W	99	ELG-200-24DA-3Y	176
A01484	180	B60RC10B	65	DELT12150P	181	ELG-240-24A-3Y	176
A01485	180	B60RC10W	65	DELT20A-12	181	ELG-240-24DA-3Y	176
A01486	178	B60RC11B	65	DELT40D-10V	179	ELG-75-24DA-3Y	176
B60-1RB	62	B60RC11W	65	DELT40D-M	178	FASTCON-30	93, 188
B60-1RW	62	B60RC13B	65	DELT65D-M	178	HB2-100	139
B60-1SB	62	B60RC13W	65	DH25L130	49	HB2-100DALI	139
B60-1SW	62	B60RC17B	65	DH25L140	49	HB2-150	139
B60-2RB	62	B60RC17W	65	DH40L130	49	HB2-150DALI	139
B60-2RW	62	B60RC1B	65	DH40L140	49	HB2-200	139
B60-2SB	62	B60RC1W	65	DH60L130	49	HB2-200DALI	139
B60-2SW	62	B60SP	63	DH60L140	49	HB5-2813-STN	141
B60-3RB	62	B60T	65	DH80L130	49	HB5-3222-STN	141
B60-3RW	62	BH20	169	DH80L140	49	HB5-3227-STN	141
B60-3SB	62	BHO15	169	DR03L1-CCT	47	HB5-3632-STN	141
B60-3SW	62	BM120CW	123	DR04L1-CCT	47	HB6-3222-CCTD10	143
B6010B	63	BM120NW	123	DR04L2-CCT	47	HB6-3632-CCTD10	143
B6010W	63	BT103C	125	DR08L1-CCT	47	HBL12001N	135
B60111	63	BT103N	125	DS04L130Q	41	HBL12001W	135
B60115B	63	BT103W	125	DS04L130T	41	HBL12002N	135
B60115W	63	BT104C	125	DS04L140Q	41	HBL6001N	135
B6011B	64	BT104N	125	DS04L140T	41	HBL6001W	135
B6011W	64	BT104W	125	DS04L160Q	41	HBL6002N	135
B60123	65	BT105C	125	DS04L160T	41	HLG-320H-24	176
B6012B	64	BT105N	125	DS08L130Q	41	HLG-320H-48A	176
B6012W	64	BT105W	125	DS08L130T	41	HLG-600H-24A	176
B6013B	64	CLE2624	110	DS08L140Q	41	KT-BHL-SP	135
B6013W	64	CLE2624S	110	DS08L140T	41	KT-BT1-FS	125
B6014B	64	CLE2715	111	DS08L160Q	41	KT000B	172
B6014W	64	CLE2715-S	111	DS08L160T	41	KTBH15ARB	170
B6015B	64	CLE2715-SWH	111	DS10L130Q	41	KTBH15GRB	170
B6015W	64	CLE2715-WH	111	DS10L130T	41	KTBH15GRW	170
B6016B	64	CLE2724	110	DS10L140Q	41	KTBH20ARB	170
B6016W	64	D306TNW	51	DS10L140T	41	KTBH20GRB	170
B6017B	64	D306TNW-D	51	DS10L160Q	41	KTBH20GRW	170
B6017W	64	DBAQ100-B	107	DS10L160T	41	KTBH20HMB	170
B6018B	64	DBAQ100-W	107	DT40L130	37	KTBH20HMW	170
B6018W	64	DBAT100-B	106	DT40L140	37	KTDB-RQ-S	105
B601B	63	DBAT100-W	106	DT40L160	37	KTDB-RT-S	105
B601W	63	DBDQ100-A	105	DT40L1CCT	39	KTDH25-LENS	49
B60220	56, 61, 65, 100	DBDT100-A	105	DT80L130	37	KTDH40-LENS	49
B60221	56, 61, 65, 100	DBIN100-O	109	DT80L140	37	KTDH60-LENS	49
B602B	63	DBSP115-B	101	DT80L160	37	KTDH80-LENS	49
B602W	63	DBSP115-W	101	DT80L1CCT	39	KTEMRO3	188
B603B	64	DBSP130-B	101	DT80L1CCTHP	39	KTHB2-100-F	144
B603W	64	DBSP130-W	101	DT80L1HP30	37	KTHB2-100-LENS110	144
B604B	62	DBSP215-B	101	DT80L1HP40	37	KTHB2-100-LENS60	144
B604RB	62	DBSP215-W	101	DT80L1HP60	37	KTHB2-100-PCR	144
B604RW	62	DBSP230-B	101	DU401430	165	KTHB2-100-R	144
B604W	62	DBSP230-W	101	ELG-100-24DA-3Y	176	KTHB2-200-LENS60	144

KTHB2-200-LENS90	144	LP30120B3UGR-840ST	78	LRT530WW	121	PANTH-SL2002	137
KTHB5-28_LENS120	145	LP30120P1-840	86	LRT560CW	121	PANTH-ST100C	149
KTHB5-6-28-PCR	145	LP30120S3-840	74	LRT560NW	121	PANTH-ST100N	149
KTHB5-6-28-R1	145	LP30120T830DE-A	90	LRT560WW	121	PANTH-ST100W	149
KTHB5-6-32_LS120	145	LP30120T840DE-A	90	LRT590CW	121	PANTH-ST10C	149
KTHB5-6-32-PCR	145	LP30120UGR-840C	76	LRT590NW	121	PANTH-ST10N	149
KTHB5-6-32-R1	145	LP60120B1UGR-9CCT	82	LRT590WW	121	PANTH-ST10W	149
KTHB5-6-36_LS120	145	LP60120P1-840	86	MAR11840CCTBL	29	PANTH-ST150C	149
KTHB5-6-36-R1	145	LP6060B1-840	80	MAR11840CCTWH	29	PANTH-ST150N	149
KTHB5-6-F	145	LP6060B1NEX	84	MAR13000DIMBL	29	PANTH-ST150W	149
KTHB5-6-MW	145	LP6060B1UGR-840	80	MAR13000DIMCO	29	PANTH-ST200C	149
KTHB5-6-TC	145	LP6060B1UGR-840HP	80	MAR13000DIMWH	29	PANTH-ST200N	149
KTLP-SPU	93	LP6060B1UGR-840Z1	80	MAR21840CCTBL	31	PANTH-ST20C	149
KTLPW1-MS	93	LP6060B1UGR-8CCT	82	MAR21840CCTCO	31	PANTH-ST20N	149
KTLRT	121	LP6060B1UGR-930	80	MAR21840CCTWH	31	PANTH-ST20W	149
KTLRT-CORD	121	LP6060B1UGR-940	80	MAR23000DIMBL	31	PANTH-ST250C	149
KTMNLBKT15	160	LP6060B1UGR-9CCT	82	MAR23000DIMCO	31	PANTH-ST250N	149
KTMNLBKT30	160	LP6060B2UGR-8CCT	82	MAR23000DIMWH	31	PANTH-ST250W	149
KTMNLBKT45	160	LP6060B3-830	78	MNLO16EP12FLO30E	160	PANTH-ST30C	149
KTMNLBKTVERT	160	LP6060B3-830ST	78	MNLO16EP12FLO40E	160	PANTH-ST30N	149
KTMNLEFC	160	LP6060B3-840	78	MNLO16EP12WGC30E	160	PANTH-ST30W	149
KTMNLMFSC	160	LP6060B3-840ST	78	MNLO16EP12WGC40E	160	PANTH-ST350C	149
KTTB50ACO-B	56	LP6060B3-860	78	MNLO32EP24FLO30E	160	PANTH-ST350N	149
KTTB50ACO-W	56	LP6060B3-860ST	78	MNLO32EP24FLO40E	160	PANTH-ST50C	149
KTTB50ACO1-B	56	LP6060B3UGR-840ST	78	MNLO32EP24WGC30E	160	PANTH-ST50N	149
KTTB50ACO1-W	56	LP6060P1-840	86	MNLO32EP24WGC40E	160	PANTH-ST50W	149
KTTB50AGL-B	56	LP6060P1UGR-840	86	MNLO64EP48WGC30E	160	PANTH-STWH100C	147
KTTB50AGL-W	56	LP6060P2-840	86	MNLO64EP48WGC40E	160	PANTH-STWH100N	147
KTTB50AGL1-B	56	LP6060P2-860	86	ORDEV1	160	PANTH-STWH10C	147
KTTB50AGL1-W	56	LP6060S3-840	74	PAH1L03BLNS	151	PANTH-STWH10N	147
KTTB60ACO-B	56	LP6060S3UGR-840	74	PAH1L03WHNS	151	PANTH-STWH150C	147
KTTB60ACO-W	56	LP6060UGR-840C	76	PAH1L04BLC	151	PANTH-STWH150N	147
KTTB60ACO1-B	56	LP60T830-A	88	PAH1L04BLN	151	PANTH-STWH200C	147
KTTB60ACO1-W	56	LP60T830DE-A	88	PAH1L04BLW	151	PANTH-STWH200N	147
KTTB60LENS	56	LP60T840-A	88	PAH1L07BLNS	151	PANTH-STWH20C	147
KTTB80ACO-B	56	LP60T840DE-A	88	PAH1L07WHNS	151	PANTH-STWH20N	147
KTTB80ACO-W	56	LP6262UGR-840	76	PAH1L10BLC	151	PANTH-STWH250C	147
KTTB80ACO1-B	56	LPLAFO120	92	PAH1L10BLN	151	PANTH-STWH250N	147
KTTB80ACO1-W	56	LPLAFO1203	92	PAH1L10BLW	151	PANTH-STWH30C	147
KTTB80AGL-B	56	LPLAFO301204	92	PAH1L20BLC	151	PANTH-STWH30N	147
KTTB80AGL-W	56	LPLAFO60	92	PAH1L20BLN	151	PANTH-STWH350C	147
KTTB80AGL1-B	56	LPLAFO601204	92	PAH1L20BLW	151	PANTH-STWH350N	147
KTTB80AGL1-W	56	LPLAFO603	92	PAH1L30BLC	151	PANTH-STWH50C	147
KTTB80LENS	56	LPLAFO604	92	PAH1L30BLN	151	PANTH-STWH50N	147
LC001	166	LPLAFO60P	93	PAH1L30BLW	151	PANTH-WH10N	153
LC001-MW	166	LRT5120CW	121	PANTH-B10N	153	PANTH-WH10W	153
LC001W	166	LRT5120NW	121	PANTH-B20N	153	PANTH-WH20N	153
LC002	166	LRT5120WW	121	PANTH-B30N	153	PANTH-WH20W	153
LC002W	166	LRT5150CW	121	PANTH-B30NS	155	PANTH-WH30N	153
LND0760NW	162	LRT5150NW	121	PANTH-B50N	153	PANTH-WH30W	153
LP-SSK	93, 188	LRT5150WW	121	PANTH-B50NS	155	PANTH-WH50N	153
LP30120B1UGR-840	80	LRT530CW	121	PANTH-SL1002	137	PANTH-WH50W	153
LP30120B1UGR-9CCT	82	LRT530NW	121	PANTH-SL1502	137	RTF03L130Q	45



RTF03L130T	45	S2T060L1C	131	TD22M-4K8L-FL-W	60	ZKRTB2	117
RTF03L140Q	45	S2T060L1N	131	TD38L-3K8L-FL-B	60	ZKRTG	116
RTF03L140T	45	S2T060L1W	131	TD38L-3K8L-FL-W	60	ZKTPC-CTC	186
RTF03L160Q	45	S2T060L2	133	TD38L-4K8L-FL-B	60	ZKTPC-DIM	186
RTF03L160T	45	S2T060L2C	131	TD38L-4K8L-FL-W	60	ZKTPC-RGBW	186
RTF03L2EXCCT	43	S2T060L2N	131	TDL-ACO	61	ZW01N-B	172
RTF04L130Q	45	S2T060L2W	131	TDL-AGL	61	ZW01N-G	172
RTF04L130T	45	S2T120L2	133	TDL-BDF	61	ZW01N-W	172
RTF04L140Q	45	S2T150L2	133	TDL-LENS24	61	ZW01W-B	172
RTF04L140T	45	SLD-150-24	175	TDL-LENS60	61	ZW01W-G	172
RTF04L160Q	45	SLD-50-12	181	TDM-ACO	61	ZW01W-W	172
RTF04L160T	45	SLD-50-24	175	TDM-AGL	61		
RTF04L2EXCCT	43	SLD-80-12	181	TDM-BDF	61		
RTF08L130Q	45	SLD-80-24	175	TDM-LENS24	61		
RTF08L130T	45	SM060CCT	127	TDM-LENS60	61		
RTF08L140Q	45	SM120CCT	127	TN-E27B	103		
RTF08L140T	45	SM150CCT	127	TN-E27CR	103		
RTF08L160Q	45	SP01-W	100	TN-E27CU	103		
RTF08L160T	45	SW001N	171	TN-E27N	103		
RTF08L2EXCCT	43	SW001W	171	TN-E27OT	103		
S1T0120L1C	129	SW002N	171	VA03L130T	50		
S1T0120L1N	129	SW002W	171	VA03L140T	50		
S1T0120L1W	129	SW003N	171	XLG-100-24-A	176		
S1T0120L2C	129	SW003W	171	XLG-150-24-A	176		
S1T0120L2N	129	T010	117	XLG-200-24-A	176		
S1T0120L2W	129	T053	117	ZK-MAR1-8P	29		
S1T0150L1C	129	TB50L130-B	55	ZK-MAR6P	31		
S1T0150L1N	129	TB50L130-W	55	ZK001	114		
S1T0150L1W	129	TB50L140-B	55	ZK002	114		
S1T0150L2C	129	TB50L140-W	55	ZK003	114		
S1T0150L2N	129	TB60L130-B	55	ZK004	114		
S1T0150L2W	129	TB60L130-W	55	ZK600-1400OS	179		
S1T060L1C	129	TB60L140-B	55	ZKC1-10	182		
S1T060L1N	129	TB60L140-W	55	ZKCDAFF	182		
S1T060L1W	129	TB80L130-B	55	ZKCDMX-R	184		
S1T060L2	133	TB80L130-W	55	ZKCDMXW	184		
S1T060L2C	129	TB80L140-B	55	ZKLP1400-EL	180		
S1T060L2N	129	TB80L140-W	55	ZKLP600EL	180		
S1T060L2W	129	TB80L230-B	55	ZKLP700EL	180		
S1T120L2	133	TB80L230-W	55	ZKR1-ST	113		
S1T150L2	133	TB80L240-B	55	ZKR1-STB	113		
S2T0120L1C	131	TB80L240-W	55	ZKR2-ST	112		
S2T0120L1N	131	TD10S-3K8L-MSP-B	60	ZKR2-STB	112		
S2T0120L1W	131	TD10S-3K8L-MSP-W	60	ZKR65QB	115		
S2T0120L2C	131	TD10S-4K8L-MSP-B	60	ZKR65QG	115		
S2T0120L2N	131	TD10S-4K8L-MSP-W	60	ZKR65TB	115		
S2T0120L2W	131	TD15M-3K8L-FL-B	60	ZKR65TG	115		
S2T0150L1C	131	TD15M-3K8L-FL-W	60	ZKREP-4CH	184		
S2T0150L1N	131	TD15M-4K8L-FL-B	60	ZKREP-4CH-IP	184		
S2T0150L1W	131	TD15M-4K8L-FL-W	60	ZKRQB	116		
S2T0150L2C	131	TD22M-3K8L-FL-B	60	ZKRQG	116		
S2T0150L2N	131	TD22M-3K8L-FL-W	60	ZKRR	114		
S2T0150L2W	131	TD22M-4K8L-FL-B	60	ZKRTB	116		

# GENERAL SALES CONDITIONS

## 1. Applicability

1.1 These general conditions (hereafter the "Conditions") constitute an integral and essential part of the contract of sale between the Parties. The Conditions shall regulate all legal relationships between Duralamp S.p.A. (hereafter "Duralamp") and the purchaser (hereafter the "Purchaser") where the said relationships are not disciplined by the applicable terms of the Italian Civil Code (C.C.). The nullity of any of the terms of these Conditions shall not prejudice the validity of the remaining Conditions or the Contract.

1.2 Any changes to these Conditions shall be agreed between the Parties in writing, with the exception of the provisions set down in article 1341 of the Italian C.C..

## 2. Sales

2.1 Sale requests for the products (hereafter the "Products") shall be accepted 'subject to the seller's approval' and shall be considered to be irrevocable in accordance with and as an effect of article 1329 of the C.C. for a period of 1 (one) month from the date of the order requesting execution without prior acknowledgement, pursuant to and as an effect of article 1327 of the C.C. from the date on which the order is received by Duralamp.

2.2 The Products detailed in the individual orders and the relevant accessories shall be supplied to the Purchaser by Duralamp with "Retention of Title" pursuant to and as an effect of articles 1523-1526 of the Italian C.C. In this case, the transfer of ownership of the Products to the Purchaser shall take place exclusively upon the full payment of the price agreed, whilst any risks shall be the responsibility of the Purchaser from the moment of delivery of the Products.

2.3 Whilst confirming the terms stated above, the Parties hereby agree that should the Products and relevant accessories be destroyed for causes not attributable to Duralamp, the Purchaser shall not be released from the obligation to pay for the same, even where the Products have not yet been delivered.

## 3. Prices

3.1 The prices detailed on the price list shall be applied to Product sales orders. The aforementioned prices shall be unit prices per single item, except where stated otherwise for certain Products. The Parties shall have the right to agree, in writing, any derogations and/or special conditions of sale.

3.2 Moreover, the Parties hereby agree that the following conditions shall be applied:

- (I) Minimum order: € 300 (three hundred) for Italy - € 750 (seven hundred and fifty) for other countries;
- (II) Delivery free to destination in Italy for orders of € 300 (three hundred) for Italy or more;
- (III) Ex-Works deliveries for other countries.

3.3 The prices given above do not include VAT and installation costs.

3.4 The prices provided in this catalogue shall be valid until a new price list is published.

## 4. Currency

All prices are given in Euros (exclusive of VAT). Invoices shall be drawn up in Euros.

## 5. Special requests

Products can be supplied to the Purchaser in non-standard colours and with special features. The relevant price, minimum quantities per order, methods and timing of deliveries shall be agreed in each individual case, in relation to the reference order.

## 6. Transport

6.1 Duralamp shall not be liable for any damage and/or losses which may occur during the transportation of the Products, unless the Products are delivered free at destination.

6.2 Duralamp shall have the right to establish the method of transportation to be used for the Products, unless the Parties have previously established a method of transport in writing.

6.3 Upon delivery, the Purchaser shall undertake to verify the condition of the products and shall make any complaints directly to the carrier and/or conduct any actions necessary in the event of loss, misplacement, removal or damage, or delays in transportation and/or the methods of delivery of the Products.

## 7. Complaints

7.1 In the event that the Products are found to have any faults and/or defects, the Purchaser shall undertake to notify Duralamp of the same in writing, by means of a registered letter, no later than 8 (eight) days following the discovery of the said faults and/or defects, at the risk of invalidating the obligations of the guarantee provided by Duralamp. In this case, the faulty Products, which should be reported within the terms established, should be returned to Duralamp, once the Purchaser has received specific permission to do so in writing.

7.2 In the event that the Purchaser's complaints are held to be valid, Duralamp, at its complete discretion, may make the necessary repairs and/or replace the Products, excluding the attribution of any further charges, obligations, indemnification or compensation to the same. The Products in question should be returned to the Duralamp S.p.A. plant in Via Pratese 164, 50145, Firenze, Italy. In the event that, following an inspection by Duralamp, the Products returned by the Purchaser are not found to be faulty and/or defective, Duralamp shall return the Products to the Purchaser, charging the same an amount equal to 15% (fifteen percent) of the value of the said Products.

## 8. Delivery

8.1 The Parties hereby agree that the terms established for the delivery of the Products shall not be considered absolute or essential and that, in any case, each item shall be exclusively in favor of Duralamp, unless otherwise agreed in writing between the Parties.

8.2 In the event of delayed delivery, once 15 (fifteen) days have passed since the agreed date, the Purchaser may send Duralamp written warning to complete the delivery within a further term of no more than 15 (fifteen) days from receipt of the same. In the event that Duralamp has not completed the delivery within this further term the Purchaser may withdraw from the order with regard to the Products that have not yet been delivered. In this case the Purchaser shall only be obliged to pay Duralamp for the Products actually delivered, excluding the payment of any further indemnification and/or compensation to the Purchaser.

8.3 Duralamp shall not be responsible for any other breaches, including the failure to deliver or delayed delivery of the Products, caused by events outside its reasonable control such as, purely by way of an example and not limited to the same: the failure to deliver or delayed delivery of manufacturing materials by Duralamp's suppliers, equipment breakdowns, strikes and other trade union action, electricity blackouts, suspension of or difficulties with transportation.

## 9. Payment

9.1 The price due shall be paid by the Purchaser according to the conditions and modalities set down in the order and, in any case, by means of payments made exclusively to "DURALAMP S.P.A."

9.2 Duralamp shall only recognize the validity of the payments when the same are made in compliance with the provisions of article 9.1 above. This means that amounts paid using any other method shall not be considered to be a payment in discharge of the Purchaser's obligations. The eventual acceptance by Duralamp of a bank draft or other trade bill shall only occur with the application of the proviso "under usual reserve".

9.3 In the event of delayed payment with respect to the terms agreed, the Parties hereby agree that bank interest shall be due to Duralamp at the current PRIME RATE increased by 3 points. interest shall be applied as of right, with no obligation for Duralamp to send the Purchaser a formal notice to pay.

9.4 Moreover, in the event of a delay in payment of more than 15 (fifteen) days, Duralamp shall have the right to terminate the order as of right pursuant to article 1456 C.C., sending written notification of the same, barring compensation for any damage.

9.5 In the event that the Parties have agreed upon a method of payment by instalments for the Products, the failure to pay several instalments or just one instalment exceeding one eighth of the overall price of the Products, shall result in the loss of the Purchaser's right to pay in instalments and shall give Duralamp the right to request the remaining balance of the price or, alternatively, at its own discretion, to terminate the contract with immediate return of the Products and the acquisition of the instalments paid, as indemnification, barring the right to compensation for any damage sustained.

## 10. Guarantee

10.1 The Products provided by Duralamp shall be guaranteed for a period of 12 (twelve) months from the date of delivery against any manufacturing or material defects and/or faults and against any breakdowns not attributable to the Purchaser. Duralamp's only obligation and the Purchaser's right with regard to claims related to the guarantee shall be limited, as decided by Duralamp, to the replacement or repair of the defective or non-compliant product or the reimbursement of the price for the purchase of another product. Duralamp shall be granted a reasonable amount of time to repair or replace the product, or to make the previously authorized reimbursement. Any defective or non-compliant Products shall become the property of Duralamp as soon as they have been replaced or reimbursed.

10.2 The guarantee shall exclude any failures due to circumstances beyond the control of Duralamp (lightning, flooding, etc.), as well as any damage caused by the improper use of the Products and/or relevant accessories. Notwithstanding the above, Duralamp shall not be bound by the guarantee if the contested defects or non-compliances have occurred as a result of submitting the Products to resistance or environmental tests, the incorrect use of the same, or in the event that the use or conditions of use of the Products is different from that indicated in the instructions and technical information, as a result of negligence, incorrect installation or accident, or if they derive from improper repairs, alterations, modifications, storage or transportation or by incorrect handling.

10.3 The Purchaser shall send the Products returned in accordance with the terms of the guarantee to the place indicated by Duralamp in compliance with the Duralamp policy regarding authorization to return materials in force at the time. In the event that the Products returned are found to be compliant or not faulty, the Purchaser shall pay the cost of returning the same as well as the cost of insuring, inspecting and handling the Products.

10.4 LED products Enjoy specific guarantees: details are published on [www.duralamp.it](http://www.duralamp.it)

## 11. Limitation of Liability

11.1 With the sole exclusion of criminal intent and gross negligence, duralamp shall not be liable for loss of profits or savings, loss of reputation or goodwill, any direct, indirect, consequential or special damage that may derive from or be connected to the contract or sale of products or services by duralamp or by the use of the same of a contractual or extra-contractual nature or deriving from any other source, even where duralamp has been notified of or is aware of the possibility of such damage.

11.2 The limitations and exclusions stated in article 11 shall apply within the limits permitted by law.

## 12. Applicable law and place of jurisdiction

12.1 These Conditions and all the effects of the same shall be governed by Italian law. The Parties hereby agree that any disputes related to these Conditions shall refer to Italian jurisdiction to the exclusion of all others.

12.2 The exclusive place of jurisdiction shall be the registered offices of Duralamp S.p.A., with the express exclusion of any other competing places of jurisdiction.



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Indoor or outdoor setting photos are used to illustrate the possible applications of the product.

