

LED line®



2020 - 2021

LED line®



2020 to dla LED line® rok wyjątkowy. Dokładnie 10 lat temu produkty z naszym logo pojawiły się na świecie. Od tego czasu wielu z Was - naszych partnerów, szeroko rozwinęło swoje skrzydła zdobywając znaczny udział w rynku. To dla nas ogromna satysfakcja, że we współpracy z Wami możemy rozwijać naszą ofertę produktową. Każda oferowana przez nas oprawa znajduje w sobie pierwiastek Waszych cennych opinii i sugestii za co ogromnie dziękujemy.

Druga dekada XXI w. niesie ze sobą kolejną rewolucję w oświetleniu, w której rozpoczynamy swój udział. Nadchodzące trendy związane z podejściem do jakości światła, jego wpływu na zdrowie, komfort, funkcjonowanie oraz wydajność człowieka wprowadzają konieczność stosowania rozwiązań zebranych pod jednym wspólnym hasłem tj. Human Centric Lighting. Trend HCL zainspirował nas do ewolucji wybranych produktów z oferty LED line® o funkcje ściemniania, regulacji temperatury barwowej oraz sterowania programowanego przez użytkownika.

Mam nadzieję, że wśród wszystkich kategorii produktowych, które zamieściliśmy w tegorocznej edycji katalogu znajdziecie Państwo te, które spełnią oczekiwania i wpiszą się na stałe do Waszej oferty. Jestem pewien, że współpraca z marką LED line® przyniesie Wam wymierne korzyści w nadchodzących latach, a Waszym Klientom szybkie zwroty z inwestycji. Ze swojej strony gwarantuję, że we wdrożeniu każdego z produktów włożyliśmy mnóstwo sił, serca i rzetelnej inżynierskiej pracy, aby świeciły przez lata dobrym i zdrowym światłem.

The year 2020 is a truly exceptional year for LED line®. Exactly 10 years ago, products with our logo reached their first customers across the world. Since then many of you have spread your business wings as our business partners, gaining significant market share. It is a great satisfaction for us that we can develop our product range in cooperation with you. Every luminaire we offer finds an element of your valuable opinion and suggestions, which is something we are very grateful for.

The second decade of the 21st century brings another revolution in lighting technology, and this is the revolution which we begin to participate in. We observe that the future trends related to the approach to lighting are: lighting quality, its impact on health, comfort, functioning and human performance. These trends make it necessary to introduce lighting solutions under Human Centric Lighting. The HCL trend has inspired us to introduce a selection of LED line® products with dimming, colour temperature control and user-programmed control functions.

I hope that among all product categories we have included in this year's catalogue edition, you will find those that will meet your expectations and that these will become an integral part of your product portfolio. I am sure that cooperation with LED line® will bring you measurable benefits in the coming years and quick returns on investment for your customers. For my part, I guarantee that we have put a lot of energy, heart and reliable engineering work into the implementation of each of the products, so that they provide you with a "good and healthy" light for years to come.

Przemysław Kowalczyk
CEO

We are in control of quality

The main objective pursued by our laboratory is to professionalise the quality of LED line® products by ensuring continuous control of photometric and electromagnetic parameters.

The LED line® Lighting Research and Measurement Centre is a place where rigid quality tests of our products are carried out on a continuous basis. The prerequisite for the release of each batch of products for the sale purposes is a positive quality test performed by our team of experts in accordance with current directives and standards.



Quality testing

An important advantage of our LED line® Lighting Research and Measurement Centre is our highly qualified team of experts and a professional research and measurement equipment. We carry out a broad scope of research including determination of electromagnetic and photometric properties of products.

- High level of support for Industry Professionals – using our Goniospectrometer, we create professional and reliable IES and EULUMDAT files – we support designers in creating precise lighting designs, which are the basis for successful lighting projects and investments. We create high quality photometric files which are subsequently imported to Dialux or Relux software, on the basis of which we can then advise and recommend the right type of luminaire and its required quantity for each project.
- We take care of visual comfort and eye's health – with the GL Spectis + Flicker device we examine the optical parameters of our products: ripple frequency, Flicker index, Flicker percent, SVM (stroboscopic effect visibility measure), PstLM (short-time flicker index) which can have highly negative impact on human's eyes.
- We guarantee failure-free operation of our products – all of our luminaires and LED lamps are subject to thorough quality testing, using our Aging Test device. Each product is prone to several hundred cycles of work in extreme ranges of input voltage. Thanks to this, we have full confidence and trust in our products and we can assure the products will prove to work reliably in the full range of declared power supply parameters.
- Temperature is under our control – we picture and record the temperature distribution in LED systems using a thermal imaging camera and a multi-channel temperature gauge. The correct operating temperature of a LED is the basic factor determining its lifetime.

- We publish parameters that are genuinely tested - with the help of our Goniospectrometer located in a darkroom, photometric sphere and Ulbricht's integrating sphere, we take measurements in C-coordinates and γ angles (gamma), photometric and electrical values, luminous flux measurements, light distribution curves and light output. Each product parameter published by us is confirmed by earlier tests.
- We look after the quality and colour of the light - we create polar and cone diagrams, determine the colour rendering indicators (Ra, CRI), colour temperature (CCT and Duv), as well as we take control of the colour temperature for McAdam's ellipse purposes.
- We ensure the electromagnetic compatibility of products - with the Spectrum Analyser we test products for electromagnetic compatibility of products in accordance with the PN-55015 standard in order not to exceed the applicable conductive interference values.



We share our knowledge

The years of our experience in the lighting industry together with highly qualified engineering experts and cooperation with research workers are a huge asset for us, which allows for continuous development and the supply of most innovative lighting solutions. We are happy to share our knowledge during regular meetings with our partners during their visits in our laboratory.

The LED line® Light Research and Measurement Centre is the place where we organise various trainings in the field of photometry, photometric measurements and quality control. We perform such trainings for our strategic business partners, distributors, customers and employees. We are also open to share our expertise in the sphere of photometry with engineering students.

In order to improve research processes, we have established cooperation with research workers of the leading Polish Technical Universities. As part of this cooperation, we test new as well as already known solutions. We create our own prototypes, which, thanks to our extensive laboratory equipment, we can test thoroughly. We do experiments with various light sources, we test the best solutions in terms of light output and lifetime. Scientific cooperation provides us with a new perspective, thanks to which we are able to meet any challenge and provide our customers with only the best quality products.

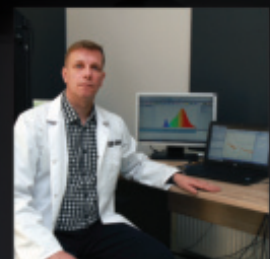


Table of Contents



INDUSTRIAL LIGHTS

page 7-33

CEILING LIGHTS

page 9

Universal lighting dedicated for passageways (both, indoor and outdoor use), as well as for production and storage halls, social and office areas or residential buildings. The luminaires work efficiently even in the most difficult conditions. These products are featured with a high level of protection against the ingress of dust and water and are resistant to mechanical impact. New models are equipped with a motion sensor and an automatic switch-off function; its control panel is located outside the luminaire. The "Stand by-DIMM" function allows the user to set the luminaire's switch on time, and set the luminaire to dim to 20% brightness when no movement is detected within its detection area. The quality of components, which this luminaire is equipped with, guarantees a failure-free operation and resistance to UV radiation, thanks to which the luminaires is fully protected against yellow degeneration, thanks to which it retains its white colour and aesthetics for many years.

FLOOD LIGHTS

page 11

Lights designed and manufactured for the illumination of production plants and storage buildings. The IP65 protection rating and the very wide range of operating temperature ensure reliable operation of these luminaires even in the harshest conditions, both inside and outside buildings. The densely ribbed aluminium housing performs an important function of highly efficient heat sink that effectively dissipates the heat generated by the LEDs to the outside of the luminaire. Additionally, the use of high quality thermal paste is used to eliminate air gaps (thermal insulation) in order to maximise heat exchange. Such an effective cooling system extends the life of the LEDs.

HIGH BAY LIGHTS

page 21

HIGH BAY luminaires are dedicated for the professional illumination of warehouses, production plants and any space where exceptionally long and trouble-free operation of the luminaire is required. The casing is made of cold forged 100% aluminium, which provides more efficient heat dissipation to the outside and thus extends the life of LEDs. The use of a polycarbonate lens ensures excellent light transmission. A choice of lenses with different beam angles (60°, 90° and 120°) as well as a choice of different powers (100 W, 150 W, 200 W) will provide a full range of solutions for every lighting project. For demanding applications we recommend our new solution equipped with CREE LEDs, Mean Well power supply and 1-10 V dimming function.

TRI-PROOF LIGHTS

page 29

These HERMETIC LUMINAIRES are certified by the Polish National Institute of Hygiene. They have been designed for installation in medical care buildings, industrial facilities and warehouses intended for food storage, grocery stores, multi-storey car parks as well as home garages and farm buildings. High resistance to mechanical damage (IK08) and protection against dust and water ingress (IP65) guarantee efficient operation in a wide temperature range (-25 °C - +45 °C). Thanks to adjustable mounting clamps, the lamp will fit into most existing mounting holes.

The Easy-Link version offers truly quick installation of the luminaires in "long light strings" (no need for the use of tools; installation performed comfortably and quickly thanks to the specially designed couplings).



LED PANELS

page 35-45

EXPERT

page 37

The EXPERT series is our innovative solution designed for professional lighting projects and investments. A choice from a wide range of colours makes it possible to use these panels as decorative lighting in schools, pre-schools (kindergartens) as well as in shopping salons or shops where the colour identifies the brand. Our LED EXPERT panels offer a unique and interesting design, high luminous efficiency and extremely low glare rating (UGR). The warranty is granted for up to 5 years

EASY FIX

page 41

The main advantage of these LED panels is: extremely easy installation. The luminaires are suitable for both, recessed and surface installation. Thanks to the adjustable mounting clamps, the panels will fit into most existing mounting holes. All panels with an output of 6W, 12W, 18W are equipped with LGP (light guide plate) glass which ensures even and smooth distribution of light over the entire surface. 24W version is equipped with PMMA (acrylic glass) LGP. All diffusers used in the panels are UV-resistant, so that the panels do not turn yellow and maintain their original white color, aesthetic appearance and high light parameters for many years.



LED LIGHTS

page 47-67

GLASS page 49

With its insulating properties, the GLASS series provides a high level of safety for the user. This solution is very attractive not only in terms of safety, but also for visual and economic reasons.

FILAMENT page 53

This is a great combination of a retro-style EDISON bulb with the most advanced and modern LED technology. The use of graphene in the construction of FILAMENT LIGHTS allows to achieve exceptional lighting parameters and at the same time extends the life of LEDs.

CERAMIC page 57

Ceramic housing guarantees optimal thermal conductivity, which results in effective heat dissipation. CERAMIC series has proven to be a highly reliable light source, providing exceptional performance, durability and safety for users.

STANDARD page 67

Energy-saving light sources which reduce energy consumption. Long life and high efficiency are the features of the LEDs used in the construction of these lights.



FIXTURES

page 69-101

CLASSIC page 71

The variety of colours, shapes and materials makes them suitable for any application. Depending on its intended use, adjustable or fixed models are available for installation. Aluminium, which the downlight fixtures are made of, performs an additional heat sink function for the lamps installed in the fixtures. This solution extends the life of the light source.

GLASS page 89

The unique design gives our fixtures their exceptional appearance and character. Due to its insulating properties, glass ensures high safety for the users.

WATERPROOF page 92

Waterproof (aluminium) downlights are designed for spaces of high moisture levels. The design and the use of dedicated gaskets ensures protection at IP44 / IP20 level. The fixtures are ideal for places with high level of humidity.

TUBE page 98

Modern spotlights designed for surface installation with an aesthetic appearance and high quality. These spotlights not only offer a beautiful and stylish decoration, but also provide protection for the LED lights placed inside the tube. Fixtures are made of aluminium, which performs an additional heatsink function, providing extra protection for the light source placed inside; this extends the life of the LEDs.



LED STRIPS

page 103-115

EXPERT page 105

LED strips from EXPERT series are designed for professional use. These products have various functions, various diode density and high efficiency. These LED strips are designed to be installed in customised locations and to create a unique effect. Most models are available in two voltage options, 12V and 24V.

WATERPROOF page 110

WATERPROOF strips are placed inside a flexible transparent silicone cover (IP67) or coated with a PU glue (adhesive layer) (IP65) with strong resistance to yellow degeneration. They have full protection against dust and water ingress. Most models are available in two voltage options, 12V and 24V.

CLASSIC page 113

LED strips designed to be an impressive addition to interior design. Available in different colour temperatures, different colours and in RGB palette. Most models are available in two voltage options: 12V and 24V.



LED MODULES

page 117-119

EXPERT page 118

LED line® OPT0 modules are a wide beam angle solution designed for the illumination of advertising cassettes and spatial letters. This solution ensures reliable operation in the temperature range from -40°C to + 55°C, both inside and outside. Its highest quality is evidenced by 7 years warranty and IP65 protection.

LED line[®]



INDUSTRIAL LIGHTS

Advanced LED technology for business and industry





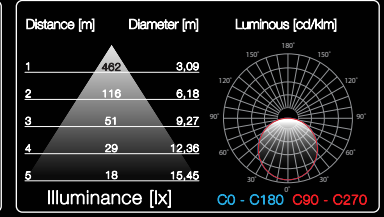
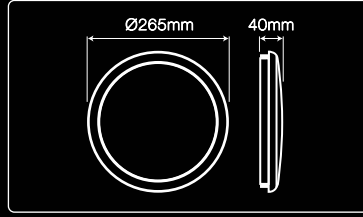
220-240V 50/60Hz	120°	IP65	IK10	POLY CARBONATE COVER	Ra ≥80	140SMD 2835	55,000h L70B50	PF ≥0,9
ON/OFF 50,000	A+	MAX +45°C -40°C	TIME MIN-10sec MAX-12min	SENS MIN-4m MAX-16m	LUX MIN-3lx MAX-∞	STBY 0s-∞	MV sensor	

5-year warranty

YELLOW FREE™

VANDAL PROOF

*.IES



CCT	Luminous flux	Power	Efficacy	Sensor	Product code
4000K	1360lm	16W	85lm/W	—	470577
4000K	1360lm	16W	85lm/W	Microvave	470584



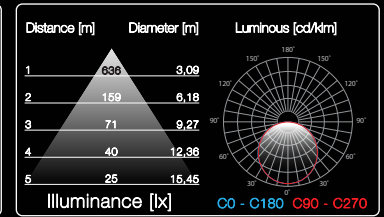
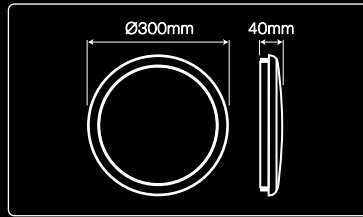
220-240V 50/60Hz	120°	IP65	IK10	POLY CARBONATE COVER	Ra ≥80	200SMD 2835	55,000h L70B50	PF ≥0,9
ON/OFF 50,000	A+	MAX +45°C -40°C	TIME MIN-10sec MAX-12min	SENS MIN-4m MAX-16m	LUX MIN-3lx MAX-∞	STBY 0s-∞	MV sensor	

5-year warranty

YELLOW FREE™

VANDAL PROOF

*.IES



CCT	Luminous flux	Power	Efficacy	Sensor	Product code
4000K	1870lm	22W	85lm/W	—	470591
4000K	1870lm	22W	85lm/W	Microvave	470607

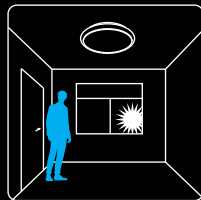
stand-by function

100% motion

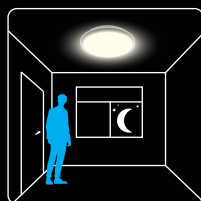
20% dimming

no motion

daylight sensor

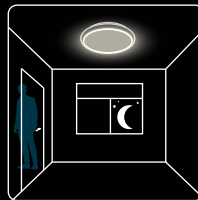


1. The lamp remains inactive with daylight level above the LUX setting even if movement is detected.

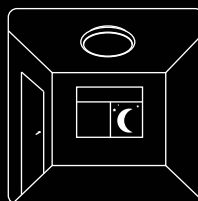


2. The lamp activates with daylight level below the LUX setting when the movement is detected.

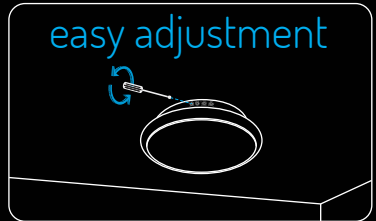
stand-by mode



1. The lamp dims to 20% for the duration of STBY time setting when no movement is detected.



2. The lamp deactivates automatically after the STBY time setting has elapsed.



LUX 300 30	SENS 12min 3min	TIME 10s 30s	STBY 3min 3min
------------------	-----------------------	--------------------	----------------------

adjustable settings

microwave sensor detection range



INDUSTRIAL



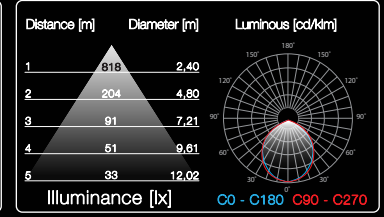
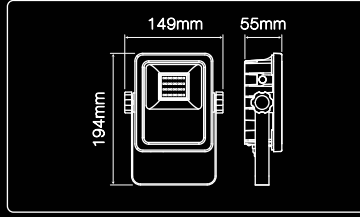


#PROJECT



100-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	42SMD 2835	100,000h L70B50	PF ≥0,5
ON/OFF 50,000	A+	MAX +45°C -20°C						

5-year warranty	LED provided by LUMILEDS
ACS	110lm W
QR code	*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	1760lm	16W	110lm/W	470508

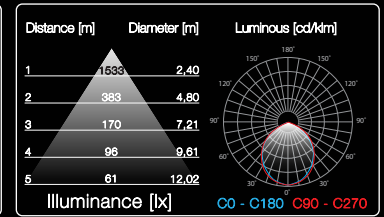
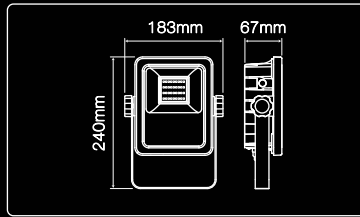


#PROJECT



100-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	80SMD 2835	100,000h L70B50	PF ≥0,9
ON/OFF 50,000	A+	MAX +45°C -20°C						

5-year warranty	LED provided by LUMILEDS
ACS	110lm W
QR code	*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	3300lm	30W	110lm/W	470515

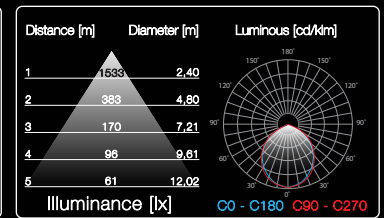
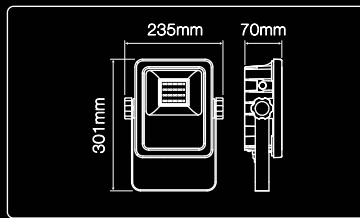


#PROJECT



100-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	110SMD 2835	100,000h L70B50	PF ≥0,9
ON/OFF 50,000	A+	MAX +45°C -20°C						

5-year warranty	LED provided by LUMILEDS
ACS	110lm W
QR code	*.IES

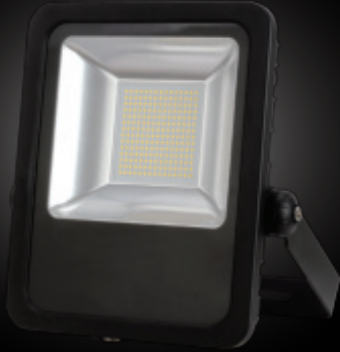


CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	5500lm	50W	110lm/W	470522

FLOOD LIGHTS

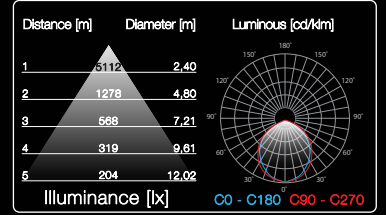
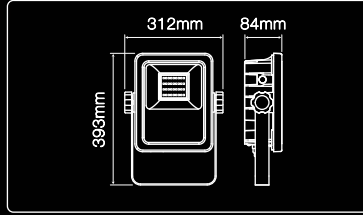


#PROJECT



100-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	225SMD 2835	100.000h L70B50	PF ≥0,9
ON/OFF 50.000	A+	MAX +45°C -40°C						

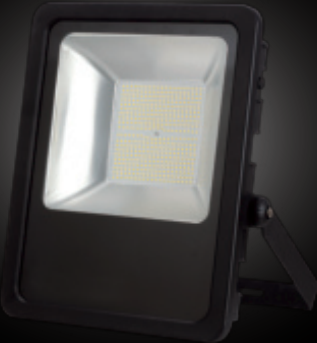
5-year warranty	LED provided by LUMILEDS
ACS	110lm W
QR code	*.IES



CCT	Luminous flux	Power	Efficacy	Product code
4000K	11000lm	100W	110lm/W	470539

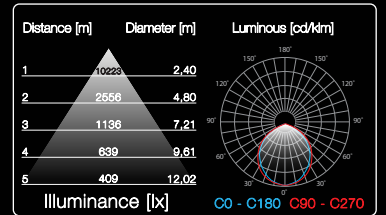
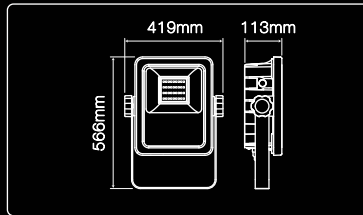


#PROJECT

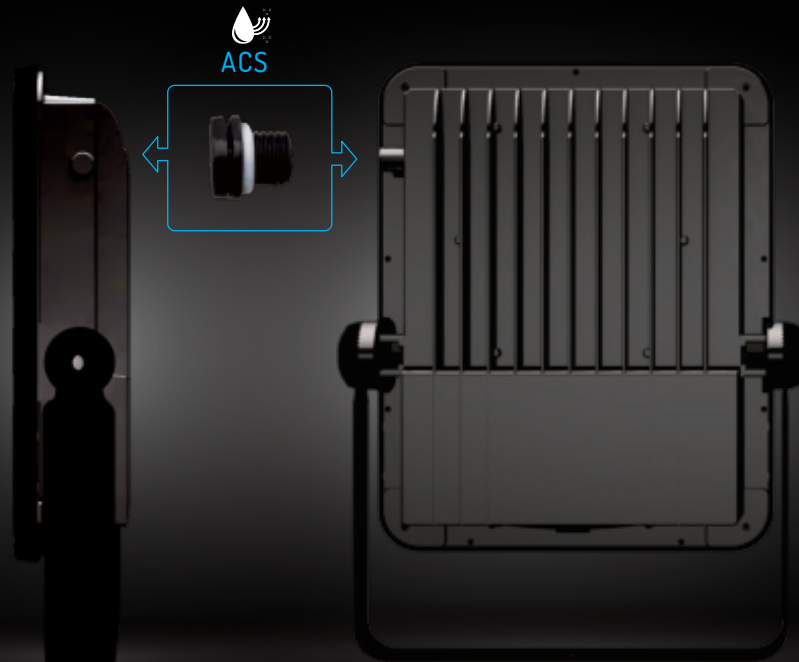


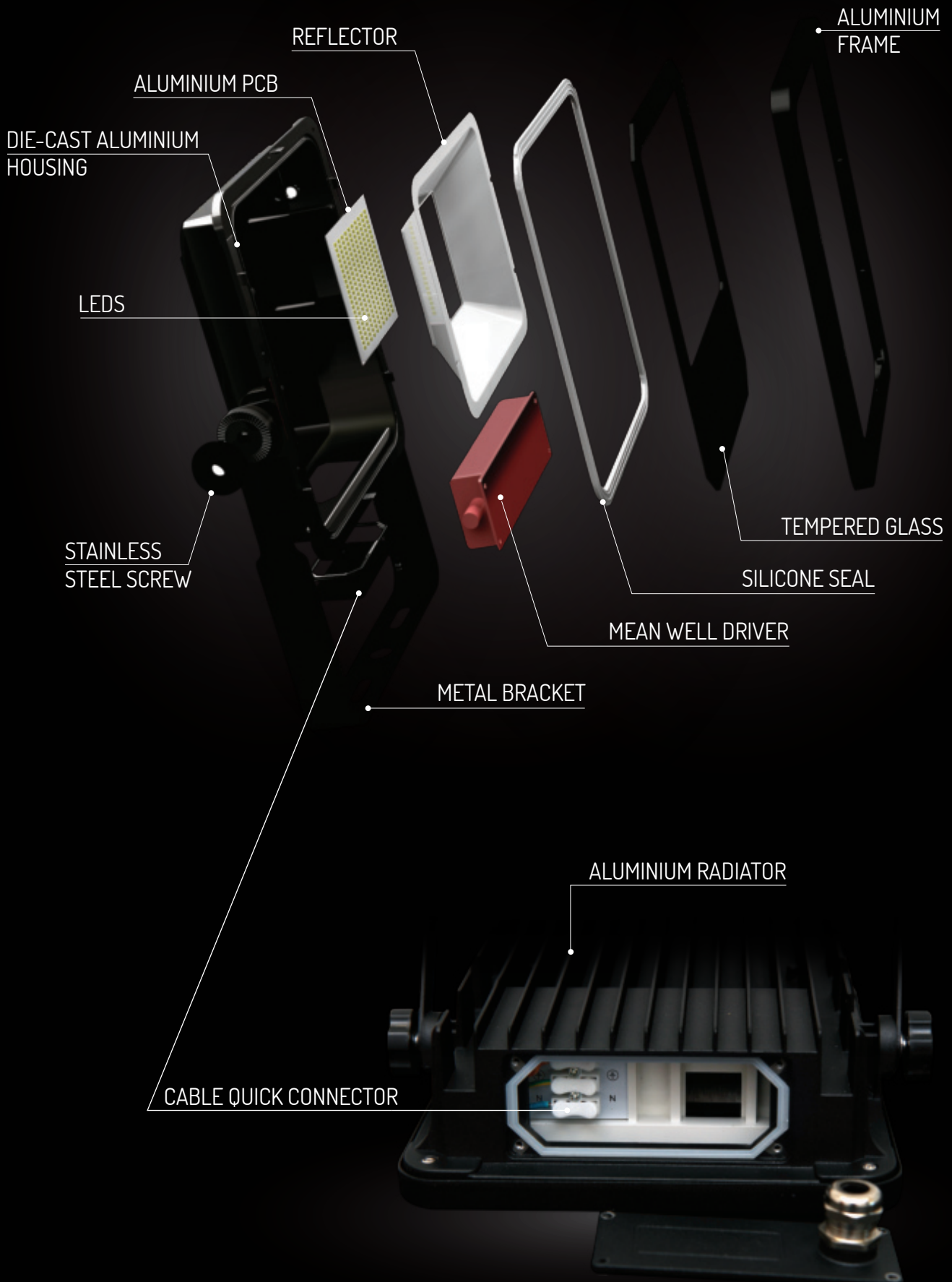
100-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	460SMD 2835	100.000h L70B50	PF ≥0,9
ON/OFF 50.000	A+	MAX +45°C -40°C						

5-year warranty	LED provided by LUMILEDS
ACS	110lm W
QR code	*.IES



CCT	Luminous flux	Power	Efficacy	Product code
4000K	22000lm	200W	110lm/W	470546







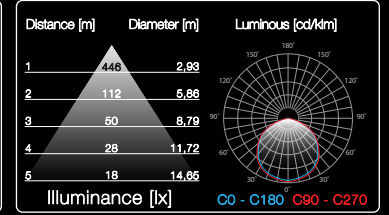
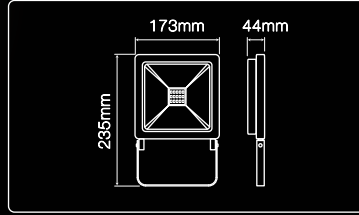


#PHOTON

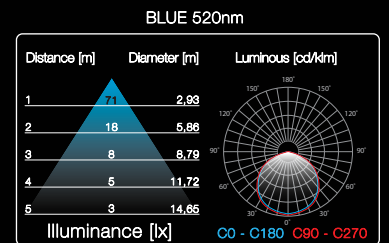
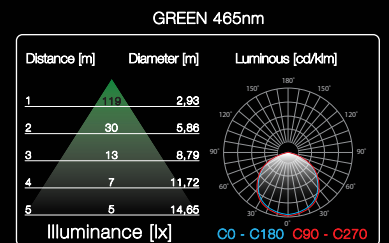
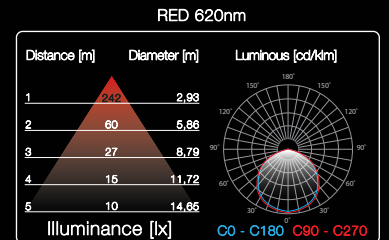
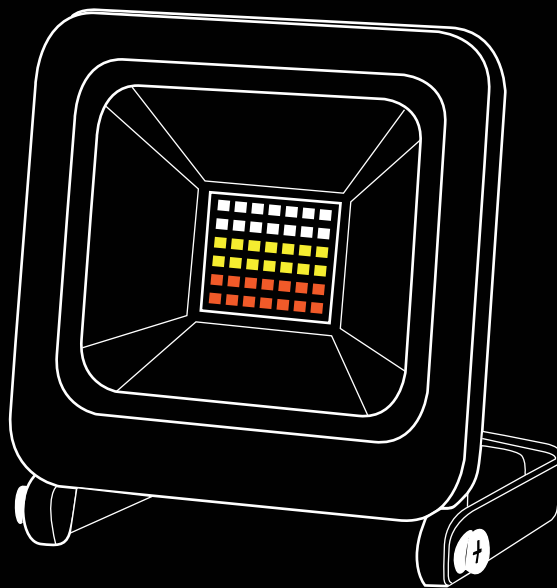


220-240V- 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	42SMD 2835	25.000h L70B50	PF ≥0,9	ON OFF 50.000
A+	MAX +45°C -20°C							

3-year warranty	RGB
	GOOD HEAT DISSIPATION



Colour	Wavelength	Power	Product code
RGB	620 / 520 / 465nm	50W	470492



Smart Life

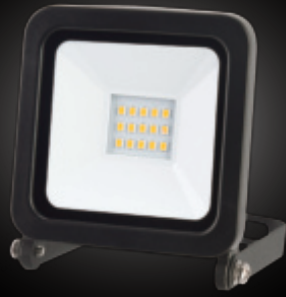
ON/OFF	TIME	DIMMABLE	REMOTE CONTROL	COLOUR ADJUSTABLE
--------	------	----------	----------------	-------------------



FLOOD LIGHTS

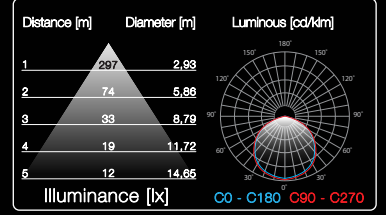
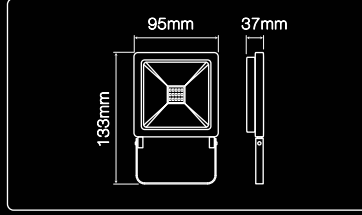


#PHOTON



220-240V~ 50/60Hz
 120°
 IP65
 IK06
 TEMPERED GLASS COVER
 Ra ≥80
 15SMD 2835
 25,000h L70B50
 PF ≥0,9
 ON/OFF 50,000
 A+
 MAX +45°C -20°C

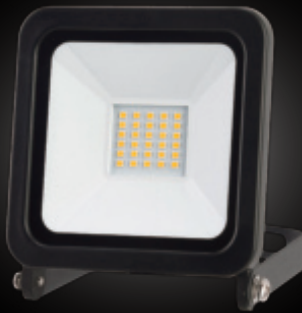
3-year warranty
 GOOD HEAT DISSIPATION
 * .IES



CCT	Luminous flux	Power	Efficacy	Product code
4000K	800lm	10W	80lm/W	470348

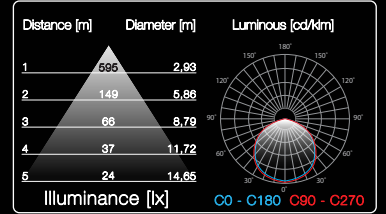
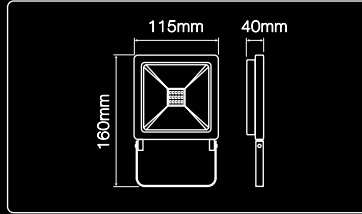


#PHOTON

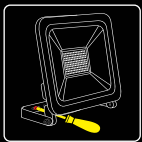


220-240V~ 50/60Hz
 120°
 IP65
 IK06
 TEMPERED GLASS COVER
 Ra ≥80
 30SMD 2835
 25,000h L70B50
 PF ≥0,9
 ON/OFF 50,000
 A+
 MAX +45°C -20°C

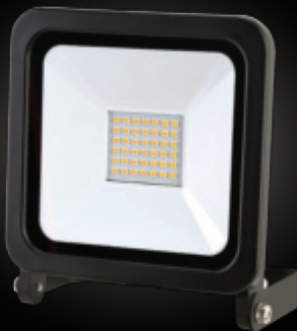
3-year warranty
 GOOD HEAT DISSIPATION
 * .IES



CCT	Luminous flux	Power	Efficacy	Product code
4000K	1600lm	20W	80lm/W	470355

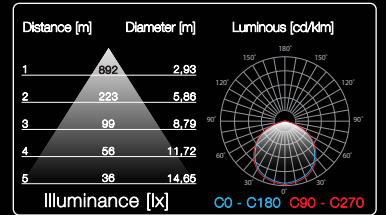
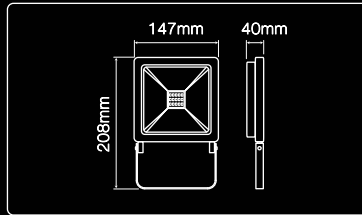


#PHOTON



220-240V~ 50/60Hz
 120°
 IP65
 IK06
 TEMPERED GLASS COVER
 Ra ≥80
 42SMD 2835
 25,000h L70B50
 PF ≥0,9
 ON/OFF 50,000
 A+
 MAX +45°C -20°C

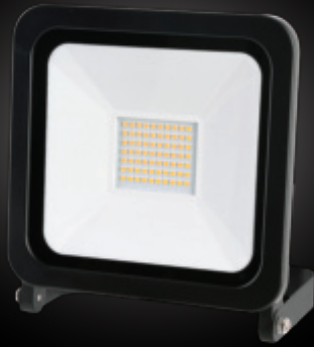
3-year warranty
 GOOD HEAT DISSIPATION
 * .IES



CCT	Luminous flux	Power	Efficacy	Product code
4000K	2400lm	30W	80lm/W	470362



#PHOTON

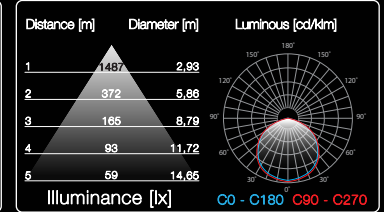
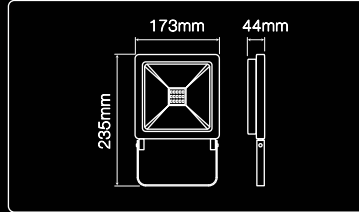


220-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	70SMD 2835	25,000h L70B50	PF ≥0,9
ON/OFF 50,000	A+	MAX +45°C -20°C						

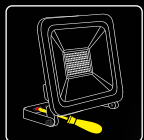
3-year warranty

GOOD HEAT DISSIPATION

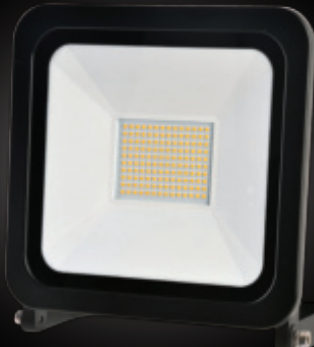
*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	4000lm	50W	80lm/W	470379



#PHOTON

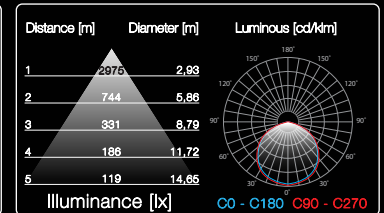
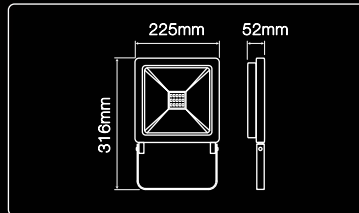


220-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	140SMD 2835	25,000h L70B50	PF ≥0,9
ON/OFF 50,000	A+	MAX +45°C -20°C						

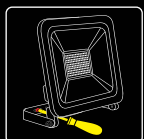
3-year warranty

GOOD HEAT DISSIPATION

*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	8000lm	100W	80lm/W	470386



#PHOTON

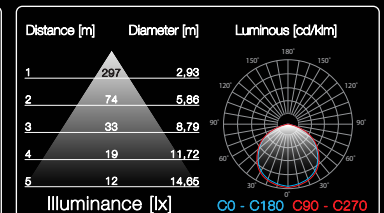
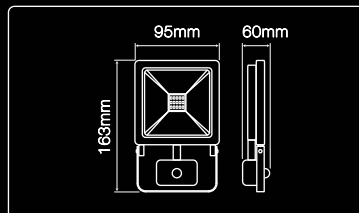


220-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	15SMD 2835	25,000h L70B50	PF ≥0,5
ON/OFF 50,000	A+	MAX +45°C -20°C			TIME MIN-10sec. MAX-10min.	SENS MAX-8m	LUX MIN-5lx MAX-2000lx	PIR sensor

3-year warranty

GOOD HEAT DISSIPATION

*.IES



CCT	Luminous flux	Power	Efficacy	Sensor	Product code
● 4000K	800lm	10W	80lm/W	PIR	470447

FLOOD LIGHTS



#PHOTON

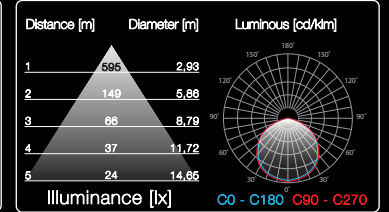
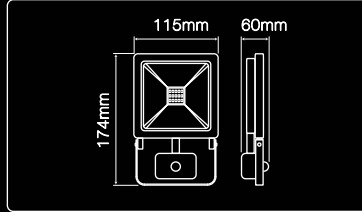


220-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	30SMD 2835	25,000h L70B50	PF ≥0,5
ON/OFF 50,000	A+	MAX +45°C -20°C	TIME MIN-10sec. MAX-10min.	SENS MAX-8m	LUX MIN-5lx MAX-2000lx	PIR sensor		

3-year warranty

GOOD HEAT DISSIPATION

*.IES



CCT	Luminous flux	Power	Efficacy	Sensor	Product code
4000K	1600lm	20W	80lm/W	PIR	470454



#PHOTON

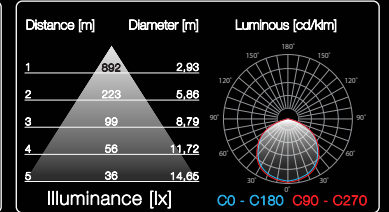
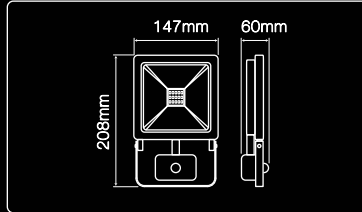


220-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	42SMD 2835	25,000h L70B50	PF ≥0,9
ON/OFF 50,000	A+	MAX +45°C -20°C	TIME MIN-10sec. MAX-10min.	SENS MAX-8m	LUX MIN-5lx MAX-2000lx	PIR sensor		

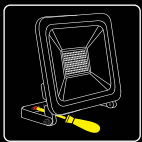
3-year warranty

GOOD HEAT DISSIPATION

*.IES



CCT	Luminous flux	Power	Efficacy	Sensor	Product code
4000K	2400lm	30W	80lm/W	PIR	470461



#PHOTON

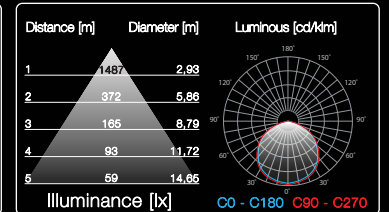
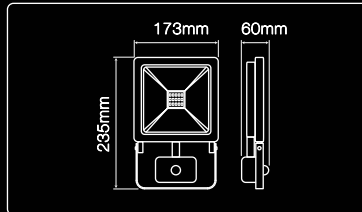


220-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	70SMD 2835	25,000h L70B50	PF ≥0,9
ON/OFF 50,000	A+	MAX +45°C -20°C	TIME MIN-10sec. MAX-10min.	SENS MAX-8m	LUX MIN-5lx MAX-2000lx	PIR sensor		

3-year warranty

GOOD HEAT DISSIPATION

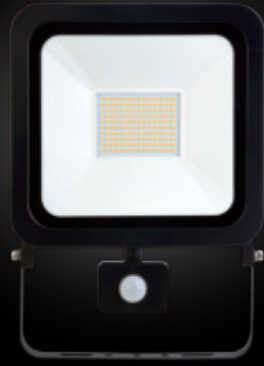
*.IES



CCT	Luminous flux	Power	Efficacy	Sensor	Product code
4000K	4000lm	50W	80lm/W	PIR	470478



#PHOTON

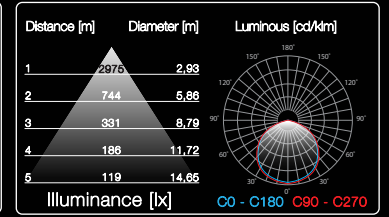
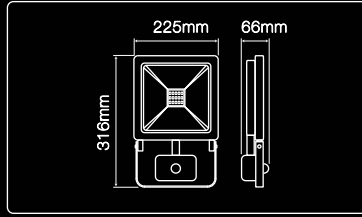


220-240V~ 50/60Hz	120°	IP65	IK06	TEMPERED GLASS COVER	Ra ≥80	140SMD 2835	25,000h L70B50	PF ≥0,9
ON/OFF 50,000	A+	MAX +45°C -20°C	TIME MIN-10sec. MAX-10min.	SENS MAX-8m	LUX MIN-5lx MAX-2000lx	PIR sensor		

3-year warranty

GOOD HEAT DISSIPATION

* IES



CCT	Luminous flux	Power	Efficacy	Sensor	Product code
● 4000K	8000lm	100W	80lm/W	PIR	470485

REFLECTOR

ALUMINIUM PCB

DIE-CAST ALUMINIUM HOUSING

LEDS

DOB DRIVER

METAL BRACKET

STAINLESS STEEL SCREW

POLYCARBONATE FRAME

TEMPERED GLASS



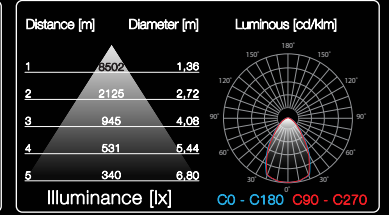
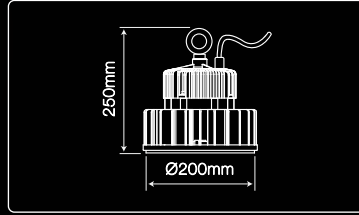


LED provided by
LUMILEDS



220-240V~ 50/60Hz	60°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	144SMD 3030	100,000h L70B50	PF ≥0,95
ON/OFF 50,000	A+	MAX +45°C -40°C						

5-year warranty	130lm W
LiFuD DRIVER	flicker free*
QR Code	*.IES



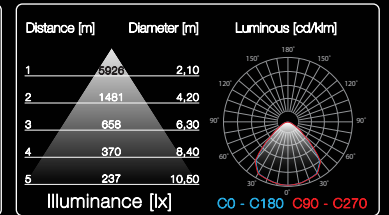
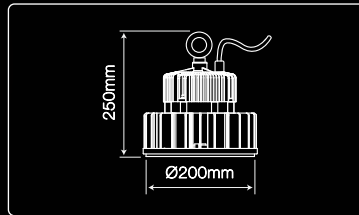
CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	13000lm	100W	130lm/W	249907

LED provided by
LUMILEDS



220-240V~ 50/60Hz	90°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	144SMD 3030	100,000h L70B50	PF ≥0,95
ON/OFF 50,000	A+	MAX +45°C -40°C						

5-year warranty	130lm W
LiFuD DRIVER	flicker free*
QR Code	*.IES



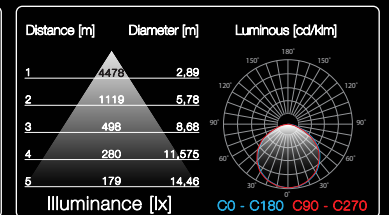
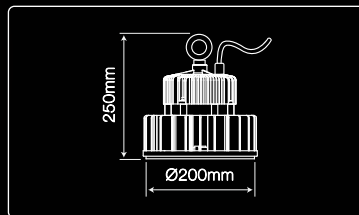
CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	13000lm	100W	130lm/W	249914

LED provided by
LUMILEDS



220-240V~ 50/60Hz	120°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	144SMD 3030	100,000h L70B50	PF ≥0,95
ON/OFF 50,000	A+	MAX +45°C -40°C						

5-year warranty	130lm W
LiFuD DRIVER	flicker free*
QR Code	*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	13000lm	100W	130lm/W	249921



HIGH BAY

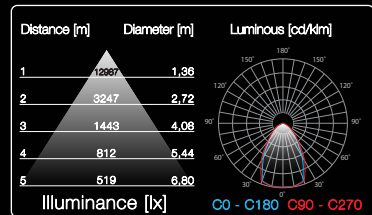
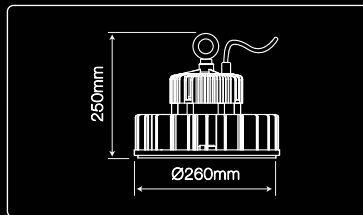
LIGHTS

LED provided by
LUMILEDS



220-240V~ 50/60Hz	60°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	216SMD 3030	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -40°C						

5-year warranty	130lm/W
LiFuD DRIVER	flicker free
QR CODE	*.IES



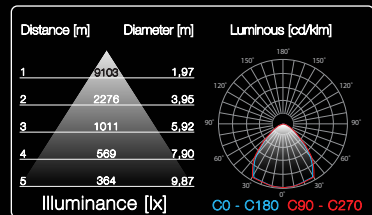
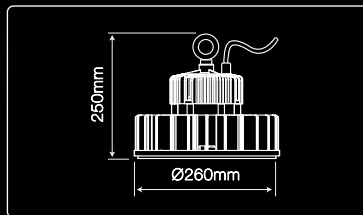
CCT	Luminous flux	Power	Efficacy	Product code
4000K	19500lm	150W	130lm/W	249938

LED provided by
LUMILEDS



220-240V~ 50/60Hz	90°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	216SMD 3030	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -40°C						

5-year warranty	130lm/W
LiFuD DRIVER	flicker free
QR CODE	*.IES



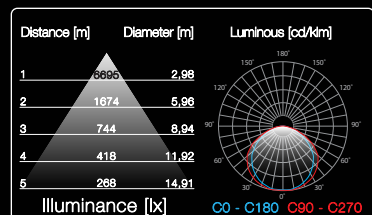
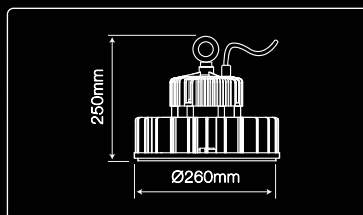
CCT	Luminous flux	Power	Efficacy	Product code
4000K	19500lm	150W	130lm/W	249945

LED provided by
LUMILEDS



220-240V~ 50/60Hz	120°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	216SMD 3030	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -40°C						

5-year warranty	130lm/W
LiFuD DRIVER	flicker free
QR CODE	*.IES



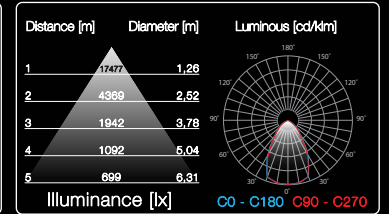
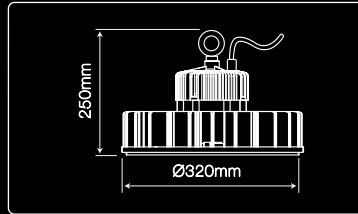
CCT	Luminous flux	Power	Efficacy	Product code
4000K	19500lm	150W	130lm/W	249952



LED provided by
LUMILEDS



220-240V~ 50/60Hz	60°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	324SMD 3030	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -40°C						



5-year warranty

130lm W

LiFUD DRIVER

flicker free

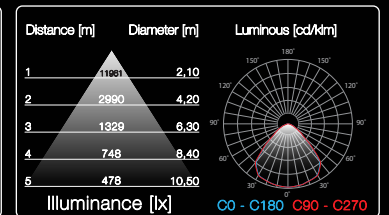
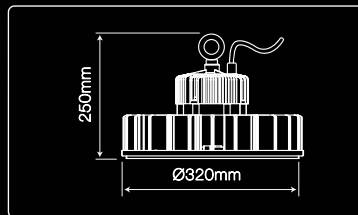
*.IES

CCT	Luminous flux	Power	Efficacy	Product code
4000K	26000lm	200W	130lm/W	248184

LED provided by
LUMILEDS



220-240V~ 50/60Hz	90°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	324SMD 3030	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -40°C						



5-year warranty

130lm W

LiFUD DRIVER

flicker free

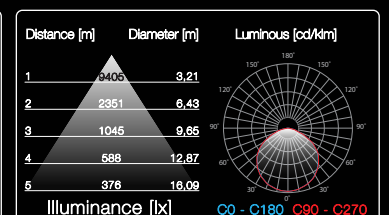
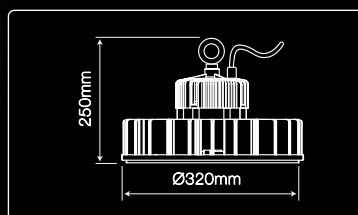
*.IES

CCT	Luminous flux	Power	Efficacy	Product code
4000K	26000lm	200W	130lm/W	248733

LED provided by
LUMILEDS



220-240V~ 50/60Hz	120°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	324SMD 3030	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -40°C						



5-year warranty

130lm W

LiFUD DRIVER

flicker free

*.IES

CCT	Luminous flux	Power	Efficacy	Product code
4000K	26000lm	200W	130lm/W	248740



HIGH BAY

LIGHTS

LED provided by
CREE



100-277V- 50/60Hz	60°	IP65	IK08	POLY CARBONATE COVER	Ra ≥70	144SMD 3030	1-10V	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+		MAX +45°C -40°C						

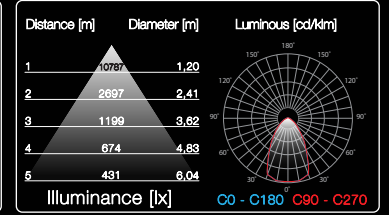
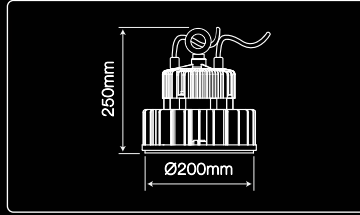
5-year warranty

50.000

MW MEAN WELL

150lm W

*.IES



CCT	Luminous flux	Power	Efficacy	Product code
4000K	15000lm	100W	150lm/W	244018

LED provided by
CREE



100-277V- 50/60Hz	90°	IP65	IK08	POLY CARBONATE COVER	Ra ≥70	144SMD 3030	1-10V	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+		MAX +45°C -40°C						

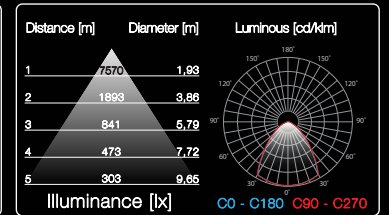
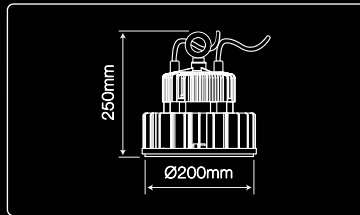
5-year warranty

50.000

MW MEAN WELL

150lm W

*.IES



CCT	Luminous flux	Power	Efficacy	Product code
4000K	15000lm	100W	150lm/W	244223

LED provided by
CREE



100-277V- 50/60Hz	120°	IP65	IK08	POLY CARBONATE COVER	Ra ≥70	144SMD 3030	1-10V	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+		MAX +45°C -40°C						

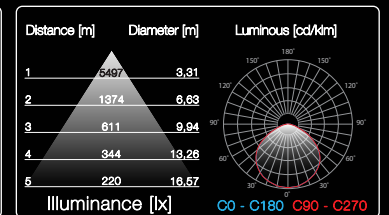
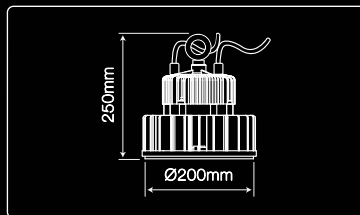
5-year warranty

50.000

MW MEAN WELL

150lm W

*.IES



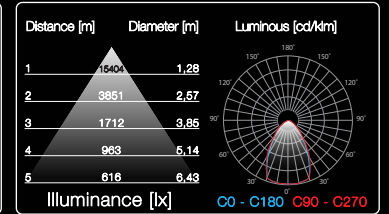
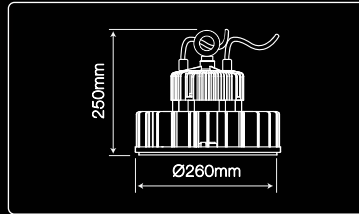
CCT	Luminous flux	Power	Efficacy	Product code
4000K	15000lm	100W	150lm/W	244339



LED provided by
CREE



100-277V- 50/60Hz	60°	IP65	IK08	POLY CARBONATE COVER	Ra ≥70	216SMD 3030	1-10V	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+		MAX +45°C -40°C						



5-year warranty

50.000

150lm W

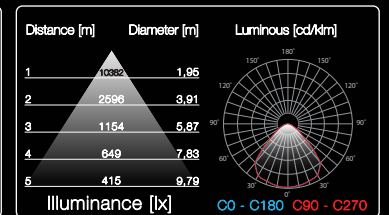
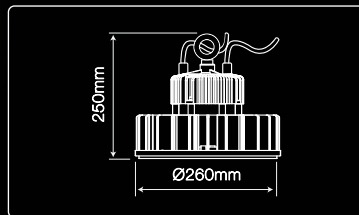
*.IES

CCT	Luminous flux	Power	Efficacy	Product code
4000K	22500lm	150W	150lm/W	245343

LED provided by
CREE



100-277V- 50/60Hz	90°	IP65	IK08	POLY CARBONATE COVER	Ra ≥70	216SMD 3030	1-10V	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+		MAX +45°C -40°C						



5-year warranty

50.000

150lm W

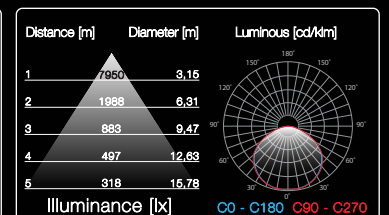
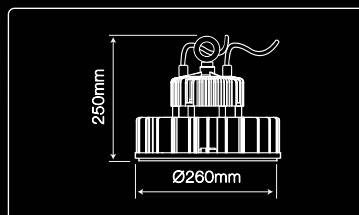
*.IES

CCT	Luminous flux	Power	Efficacy	Product code
4000K	22500lm	150W	150lm/W	245633

LED provided by
CREE



100-277V- 50/60Hz	120°	IP65	IK08	POLY CARBONATE COVER	Ra ≥70	216SMD 3030	1-10V	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+		MAX +45°C -40°C						



5-year warranty

50.000

150lm W

*.IES

CCT	Luminous flux	Power	Efficacy	Product code
4000K	22500lm	150W	150lm/W	245640



HIGH BAY

LIGHTS

LED provided by
CREE

5-year
warranty



150lm
W



100-277V-
50/60Hz

60°

IP65

IK08

POLY
CARBONATE
COVER

Ra
≥70

324SMD
3030

1-10V

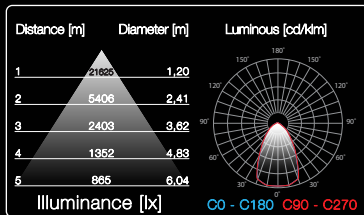
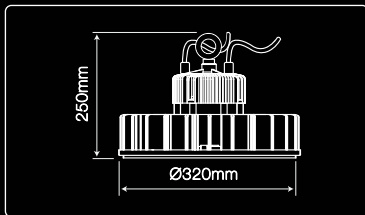
100.000h
L70B50

PF
≥0,95

ON
OFF
50.000

A+

MAX
+45°C
-40°C



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	30000lm	200W	150lm/W	247316

LED provided by
CREE

5-year
warranty



150lm
W



100-277V-
50/60Hz

90°

IP65

IK08

POLY
CARBONATE
COVER

Ra
≥70

324SMD
3030

1-10V

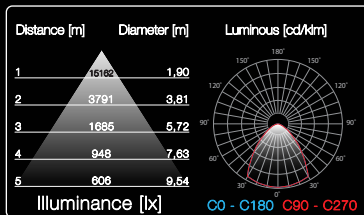
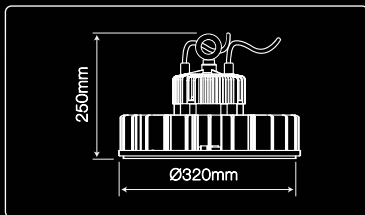
100.000h
L70B50

PF
≥0,95

ON
OFF
50.000

A+

MAX
+45°C
-40°C



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	30000lm	200W	150lm/W	247323

LED provided by
CREE

5-year
warranty



150lm
W



100-277V-
50/60Hz

120°

IP65

IK08

POLY
CARBONATE
COVER

Ra
≥70

324SMD
3030

1-10V

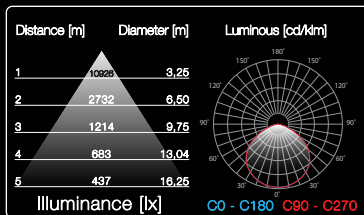
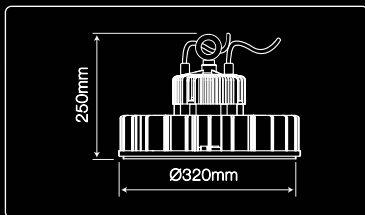
100.000h
L70B50

PF
≥0,95

ON
OFF
50.000

A+

MAX
+45°C
-40°C



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	30000lm	200W	150lm/W	247330



1-10V
MICROWAVE
SENSOR



5-year
warranty



Product name
Microwave sensor

Product code
241857

stand-by function

100%



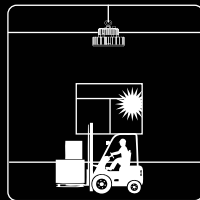
motion

10/20/30/50%
dimming

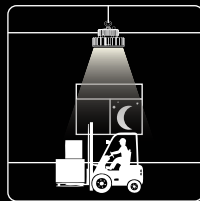


no motion

daylight sensor

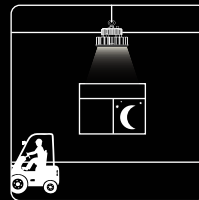


1. The lamp remains inactive with daylight level above the LUX setting even if movement is detected.

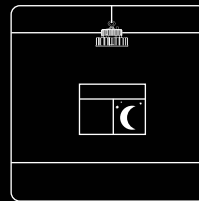


2. The lamp activates with daylight level below the LUX setting when the movement is detected.

stand-by mode



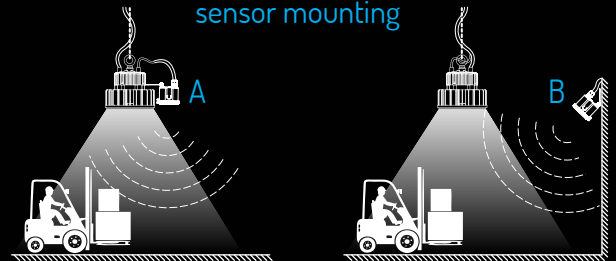
1. The lamp dims to set brightness level for the duration of STBY time setting when no movement is detected.



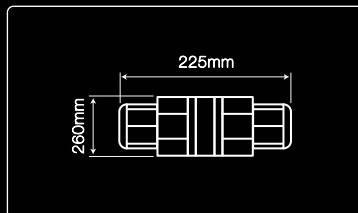
2. The lamp deactivates automatically after the STBY time setting has elapsed.



sensor mounting



5-year
warranty



Product name

Hermetic connector IP68

Recommended for:

FLOOD LIGHTS / HIGH BAY LIGHTS / TRI-PROOF LIGHTS / CEILING LIGHTS

Product code

246074





12in1
25-40W
3000-5000K

#RANGER

200-240V- 50/60Hz	120°	IP66	IK08	UGR <25	PCV CARBONATE COVER	Ra ≥80	456SMD 2835	100,000h L70B50
PF ≥0,92	ON/OFF 50,000	MULTI POWER DRIVER	A+	MAX +45°C -20°C	HOUSE			

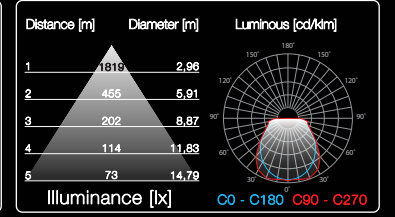
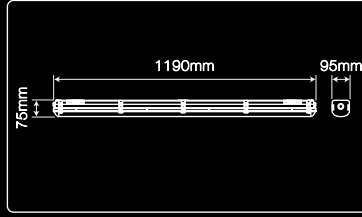
5-year warranty

OSRAM driver

140lm W

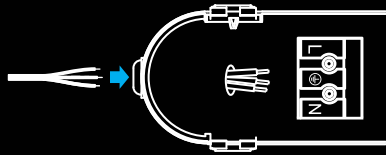
VANDAL PROOF

LOW UGR

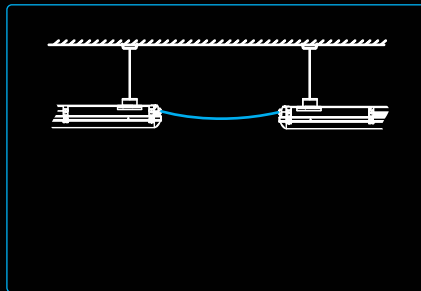


CCT	Luminous flux	Power	Efficacy	Product code
● 3000-5000K	3000-5600lm	25-40W	120-140lm/W	470683

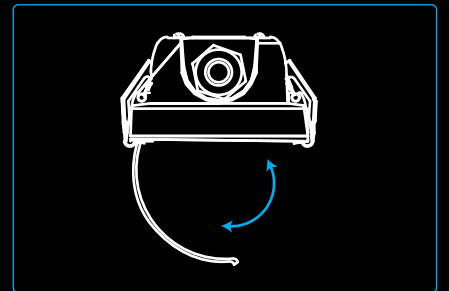
TOOL - FREE INSTALLATION



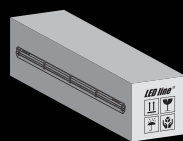
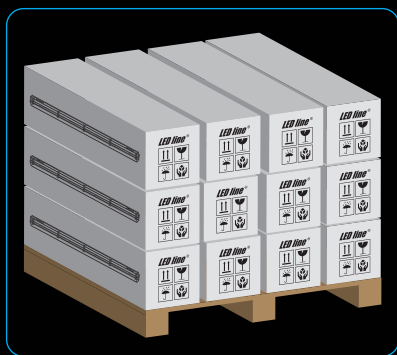
LINKABLE WITH IP66



ANTI - DROP DESIGN



12in1
25-40W
3000-5000K



12 in 1 -> reduce the inventory up to 90%



IP66



ANTI-GLARE DESIGN





#EASYLINK

TOOL-FREE installation

3-year warranty

VANDAL PROOF

100lm/W

PZH



175-285V~
50/60Hz

160°

IP65

IK08

POLY CARBONATE COVER

Ra ≥80

144SMD 2835

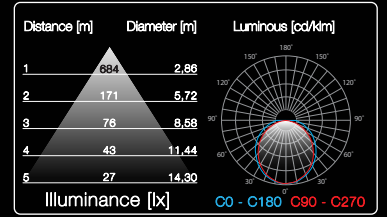
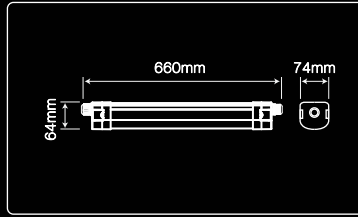
100.000h L70B50

PF ≥0,95

ON OFF
50.000

A+

MAX +45°C -25°C



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	2000lm	20W	100lm/W	240553

#EASYLINK

TOOL-FREE installation

3-year warranty

VANDAL PROOF

100lm/W

PZH



175-285V~
50/60Hz

160°

IP65

IK08

POLY CARBONATE COVER

Ra ≥80

324SMD 2835

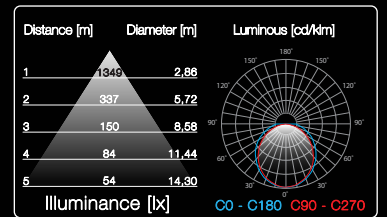
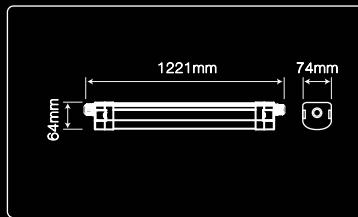
100.000h L70B50

PF ≥0,95

ON OFF
50.000

A+

MAX +45°C -25°C



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	4000lm	40W	100lm/W	240560

#EASYLINK

TOOL-FREE installation

3-year warranty

VANDAL PROOF

100lm/W

PZH



175-285V~
50/60Hz

160°

IP65

IK08

POLY CARBONATE COVER

Ra ≥80

486SMD 2835

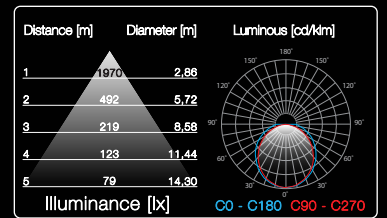
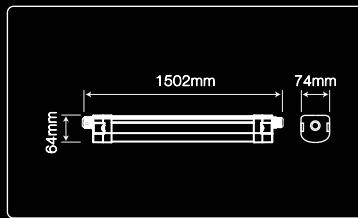
100.000h L70B50

PF ≥0,95

ON OFF
50.000

A+

MAX +45°C -25°C



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	6000lm	60W	100lm/W	240577

TRI-PROOF LIGHTS



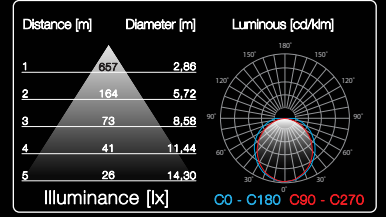
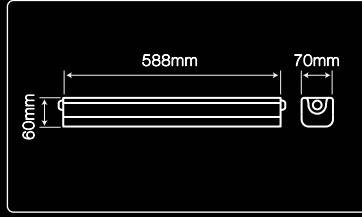
175-285V~ 50/60Hz	160°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	144SMD 2835	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -25°C						

3-year warranty

VANDAL PROOF

100lm/W

*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	2000lm	20W	100lm/W	248528



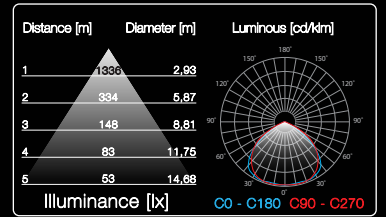
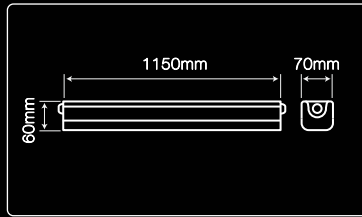
175-285V~ 50/60Hz	160°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	324SMD 2835	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -25°C						

3-year warranty

VANDAL PROOF

100lm/W

*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	4000lm	40W	100lm/W	248535



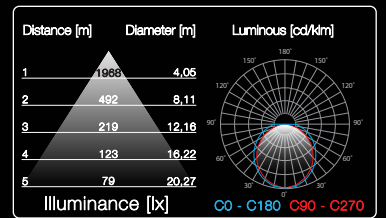
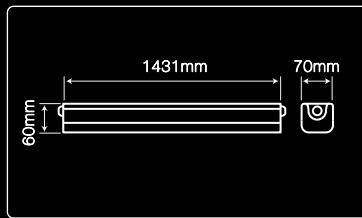
175-285V~ 50/60Hz	160°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	486SMD 2835	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -25°C						

3-year warranty

VANDAL PROOF

100lm/W

*.IES



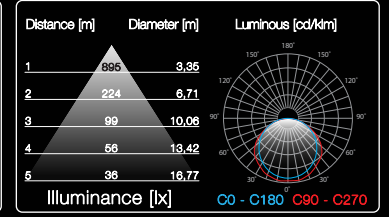
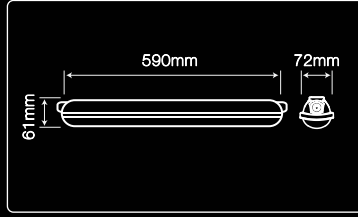
CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	6000lm	60W	100lm/W	248542



#LINKER

220-240V~ 50/60Hz	180°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	66SMD 2835	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -25°C						

5-year warranty	VANDAL PROOF
130lm W	
QR code	*.IES



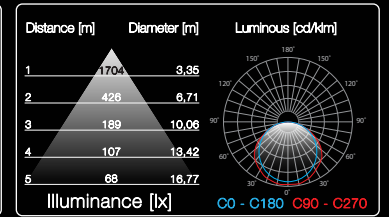
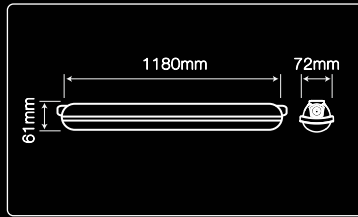
CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	2730lm	21W	130lm/W	470690



#LINKER

220-240V~ 50/60Hz	180°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	126SMD 2835	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -25°C						

5-year warranty	VANDAL PROOF
130lm W	
QR code	*.IES



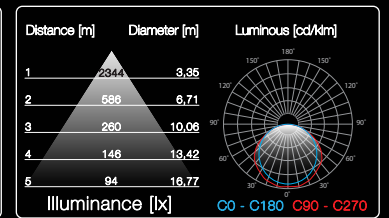
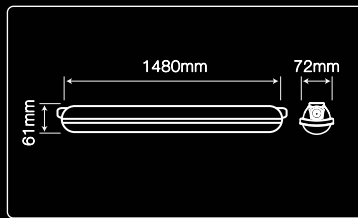
CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	5070lm	39W	130lm/W	470706



#LINKER

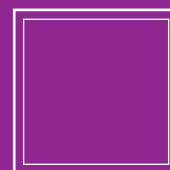
220-240V~ 50/60Hz	180°	IP65	IK08	POLY CARBONATE COVER	Ra ≥80	168SMD 2835	100.000h L70B50	PF ≥0,95
ON/OFF 50.000	A+	MAX +45°C -25°C						

5-year warranty	VANDAL PROOF
130lm W	
QR code	*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	7150lm	55W	130lm/W	470713

LED line®



LED PANELS

Setting the right mood and atmosphere for home and offices



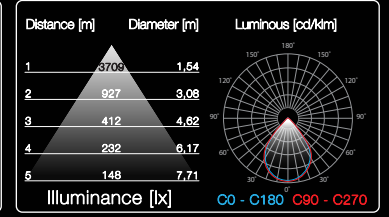
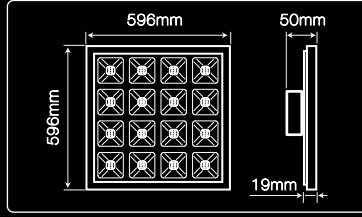


#DIORA

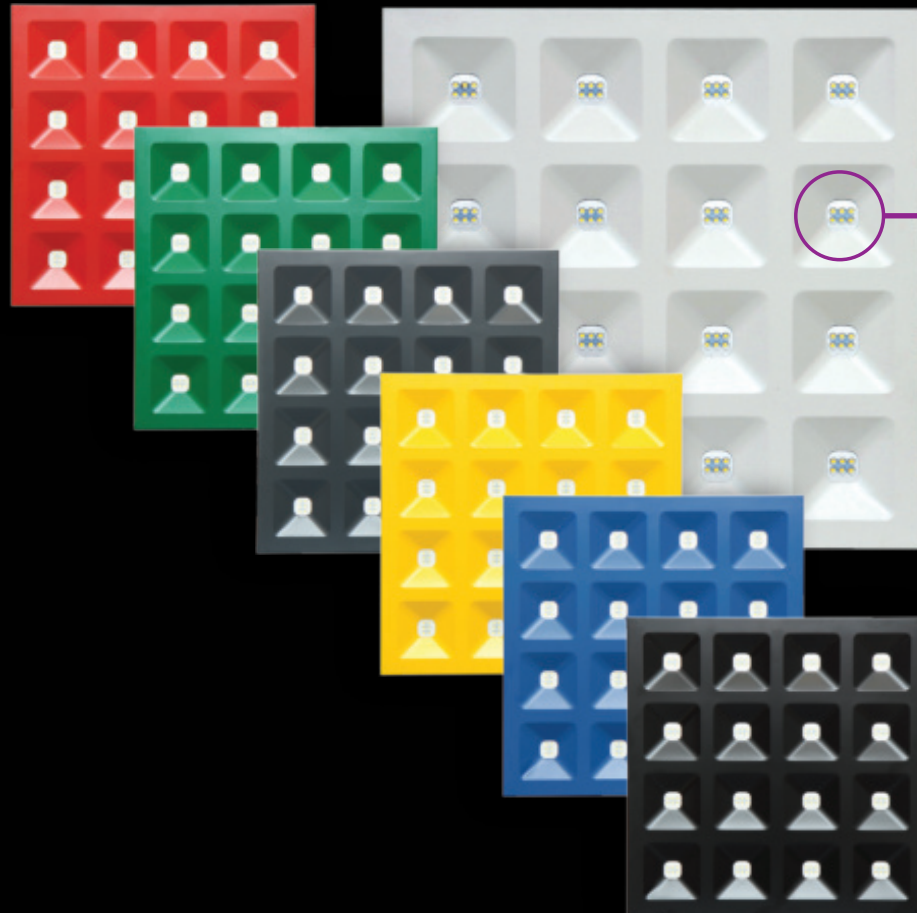


220-240V- 50/60Hz	75°	IP20	IK08	UGR <16	Ra ≥80	96SMD 2835	50.000h	PF ≥0,9
ON/OFF 50.000	MULTI POWER DRIVER	+	+	+	MAX +40°C -5°C			

5-year warranty	NARROW BEAM ANGLE
flicker free	150lm W
QR CODE	*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	2250lm	15W	150lm/W	244193
	2700lm	18W	150lm/W	
	3150lm	21W	150lm/W	
	3480lm	24W	145lm/W	
	3915lm	27W	145lm/W	
	4200lm	30W	140lm/W	
	4620lm	33W	140lm/W	
	5040lm	36W	140lm/W	



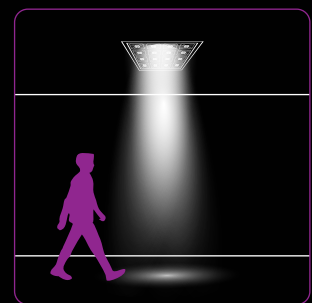
MULTI-POWER DRIVER

8in1

15-36W
2250-5040lm



ANTI-GLARE DESIGN





#DIUNA



220-240V~
50/60Hz

75°

IP20

IK08

UGR <16

Ra ≥80

48SMD
2835

30.000h

PF ≥0,9

ON OFF
50.000

A+

MAX
+40°C
-5°C

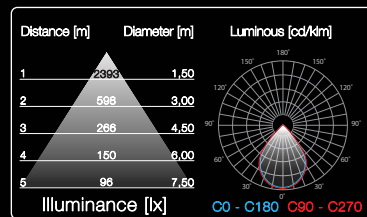
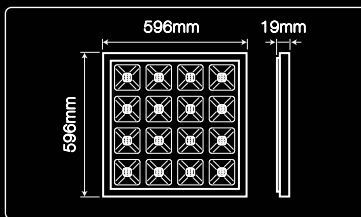
3-year warranty

NARROW BEAM ANGLE

flicker free

120lm W

*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 4000K	3240lm	27W	120lm/W	244186



#FRAME



175-250V~
50/60Hz

120°

IP20

POLY CARBONATE COVER

Ra ≥80

300SMD
2835

30.000h

PF ≥0,9

ON OFF
50.000

A++

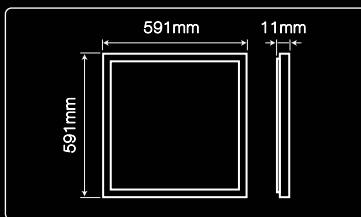
MAX
+40°C
-5°C

3-year warranty

YELLOW FREE™

flicker free

*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	3200lm	40W	80lm/W	470553
● 4000K	3200lm	40W	80lm/W	249181



200-280V~
50/60Hz

120°

IP42

IK05

PMMA LGP
+++

Ra ≥80

240SMD
4014

30.000h

PF ≥0,95

ON OFF
50.000

A++

MAX
+40°C
-5°C

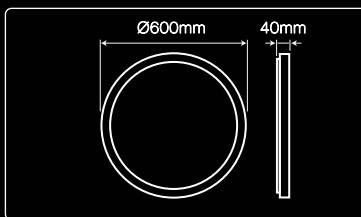
5-year warranty

YELLOW FREE™

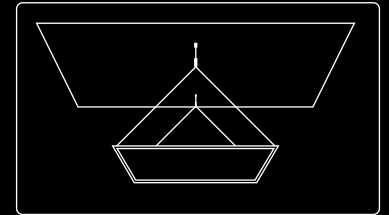
LIFUD DRIVER

flicker free

*.IES

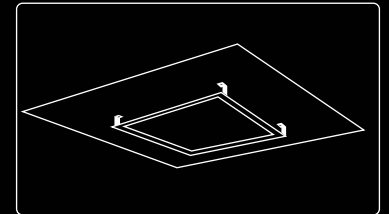


CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	3200lm	40W	80lm/W	248757
● 4000K	3200lm	40W	80lm/W	248764



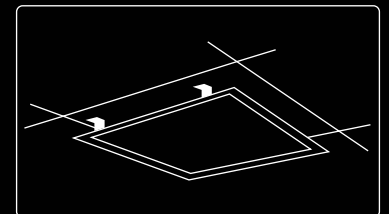
Product name
WIRE SUSPENSION KIT

Product code
245701



Product name
HOOKS SURFACE KIT

Product code
245718



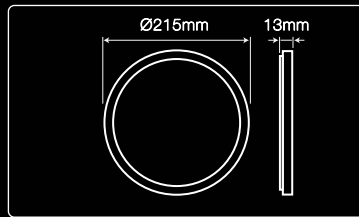
Product name
SPRINGS RECESSED KIT

Product code
245725





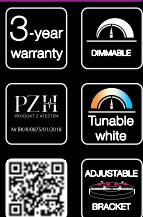
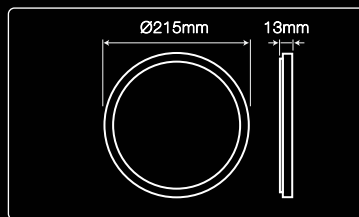
#AURA



CCT	Luminous flux	Power	Efficacy	Product code
• 2700K	1570lm	18W	87lm/W	470041
• 4000K	1650lm	18W	92lm/W	470058



#AURASMART



CCT	Luminous flux	Power	Efficacy	Product code
• 2700-6500K	1100-1400lm	18W	61-78lm/W	470652



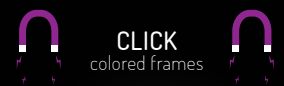
CCT ADJUSTABLE



Smart Life



AURA OPTIONAL ACCESSORIES



matt black
symbol: 470140



chrome
symbol: 241895

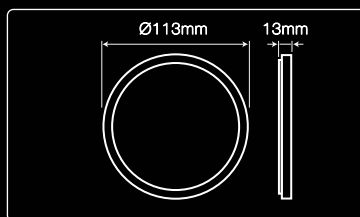


satin
symbol: 470157

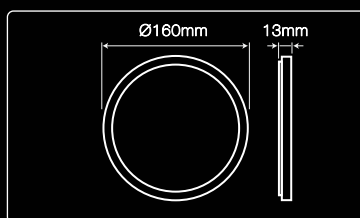
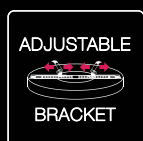


EASY FIX

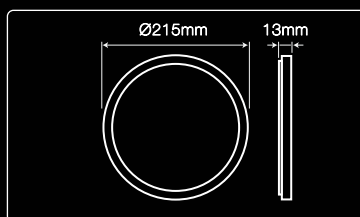
LED PANELS



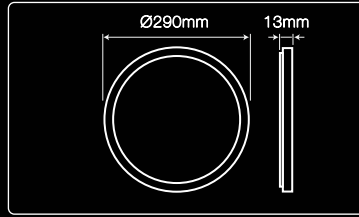
CCT	Luminous flux	Power	Efficacy	Product code
2700K	450lm	6W	75lm/W	248771
4000K	470lm	6W	78lm/W	248788



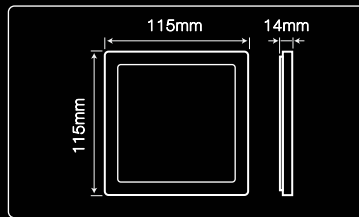
CCT	Luminous flux	Power	Efficacy	Product code
2700K	1010lm	12W	84lm/W	248795
4000K	1060lm	12W	88lm/W	248801



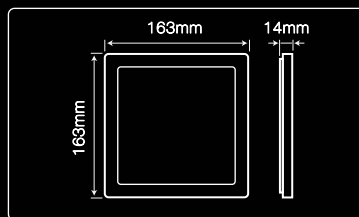
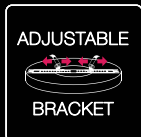
CCT	Luminous flux	Power	Efficacy	Product code
2700K	1570lm	18W	87lm/W	248818
4000K	1650lm	18W	92lm/W	248825



CCT	Luminous flux	Power	Efficacy	Product code
2700K	2200lm	24W	92lm/W	248832
4000K	2300lm	24W	96lm/W	248849



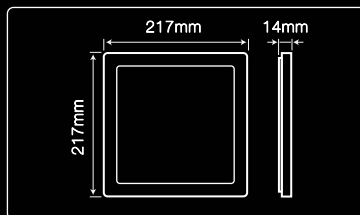
CCT	Luminous flux	Power	Efficacy	Product code
2700K	450lm	6W	75lm/W	246777
4000K	470lm	6W	78lm/W	246784



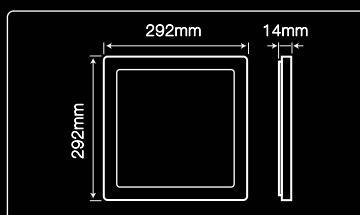
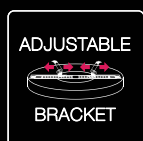
CCT	Luminous flux	Power	Efficacy	Product code
2700K	850lm	12W	71lm/W	246791
4000K	890lm	12W	74lm/W	246890

EASY FIX

LED PANELS



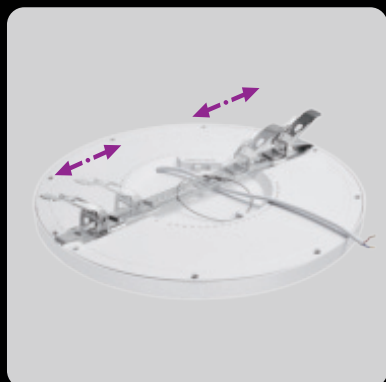
CCT	Luminous flux	Power	Efficacy	Product code
2700K	1300lm	18W	72lm/W	249457
4000K	1450lm	18W	81lm/W	249464



CCT	Luminous flux	Power	Efficacy	Product code
2700K	2150lm	24W	90lm/W	249471
4000K	2300lm	24W	96lm/W	249488

EASY INSTALLATION

Adjustable clips



Surface



Recessed





LED line®



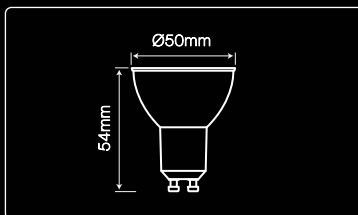
LED LIGHTS

Tradition made modern

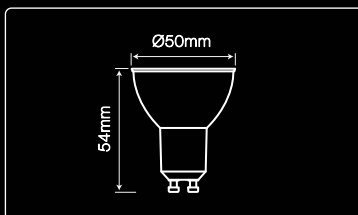




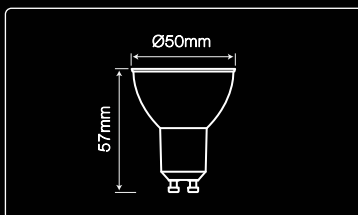
#DIMTOWARM



CCT	Luminous flux	Power	Efficacy	Product code
2200-3000K	13 - 345lm	5,5W	63lm/W	248948



CCT	Luminous flux	Power	Efficacy	Product code
2700K	500lm	5,5W	91lm/W	240621
4000K	550lm	5,5W	100lm/W	240638

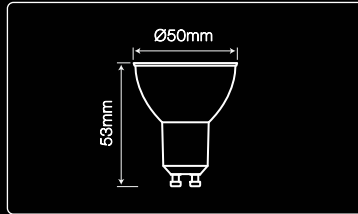


CCT	Luminous flux	Power	Efficacy	Ra	Energy class	Product code
2700K	80lm	1W	80lm/W	≥80	A++	242250
4000K	80lm	1W	80lm/W	≥80	A++	248337
6500K	80lm	1W	80lm/W	≥80	A++	242267
Colour	Wavelength	Power				Product code
red	620nm	1W				242274
green	520nm	1W				242298
blue	465nm	1W				242281
yellow	590nm	1W				242304

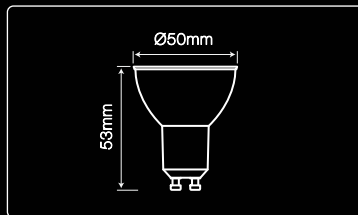


GLASS

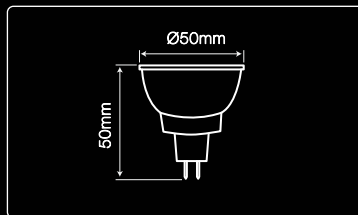
LED LIGHTS



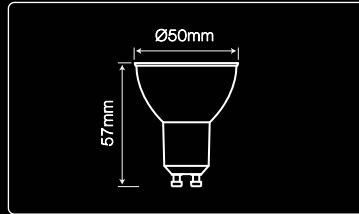
CCT	Luminous flux	Power	Efficacy	Product code
2700K	273lm	3W	91lm/W	247835
4000K	273lm	3W	91lm/W	247828
6500K	273lm	3W	91lm/W	247811



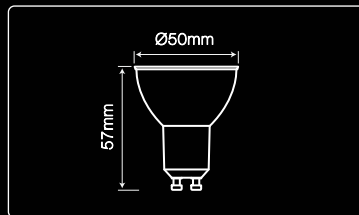
CCT	Luminous flux	Power	Efficacy	Product code
2700K	410lm	5W	82lm/W	248306
4000K	410lm	5W	82lm/W	248313
6500K	410lm	5W	82lm/W	248320



CCT	Luminous flux	Power	Efficacy	Product code
2700K	273lm	3W	91lm/W	247804
4000K	273lm	3W	91lm/W	247798
6500K	273lm	3W	91lm/W	247781

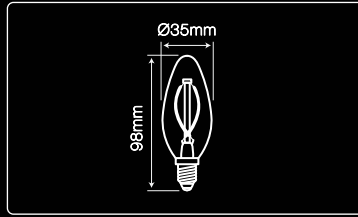


CCT	Luminous flux	Power	Efficacy	Product code
2700K	273lm	3W	91lm/W	241901
4000K	273lm	3W	91lm/W	241918
6500K	273lm	3W	91lm/W	241925

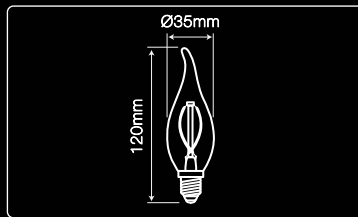


CCT	Luminous flux	Power	Efficacy	Product code
2700K	450lm	5W	90lm/W	241963
4000K	450lm	5W	90lm/W	241970
6500K	450lm	5W	90lm/W	241987

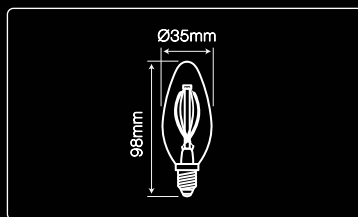




CCT	Luminous flux	Power	Efficacy	Product code
• 2700K	260lm	2W	130lm/W	249051
• 4000K	260lm	2W	130lm/W	249518



CCT	Luminous flux	Power	Efficacy	Product code
• 2700K	260lm	2W	130lm/W	249068
• 4000K	260lm	2W	130lm/W	249525

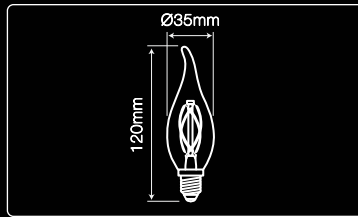
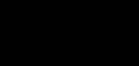


CCT	Luminous flux	Power	Efficacy	Product code
• 2700K	488lm	4W	122lm/W	249075
• 4000K	488lm	4W	122lm/W	249136

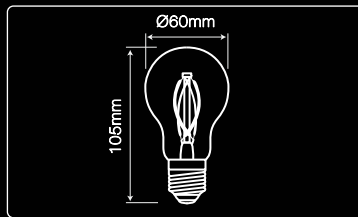
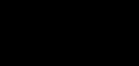


FILAMENT

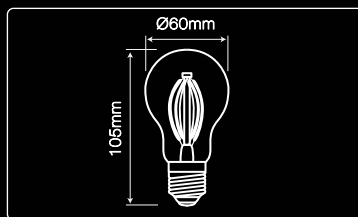
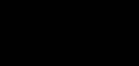
LED LIGHTS



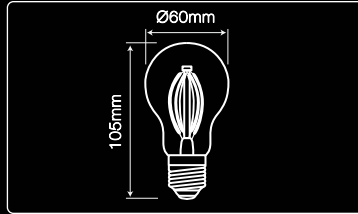
CCT	Luminous flux	Power	Efficacy	Product code
• 2700K	488lm	4W	122lm/W	249082
• 4000K	488lm	4W	122lm/W	249532



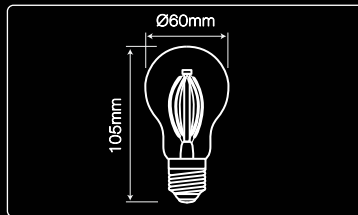
CCT	Luminous flux	Power	Efficacy	Product code
• 2700K	488lm	4W	122lm/W	249099
• 4000K	488lm	4W	122lm/W	249549



CCT	Luminous flux	Power	Efficacy	Product code
• 2700K	726lm	6W	121lm/W	249105
• 4000K	726lm	6W	121lm/W	249556



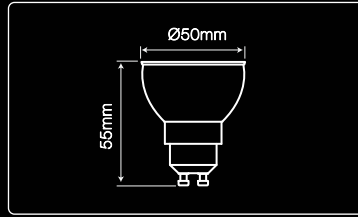
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	968lm	8W	121lm/W	249112
● 4000K	968lm	8W	121lm/W	249563



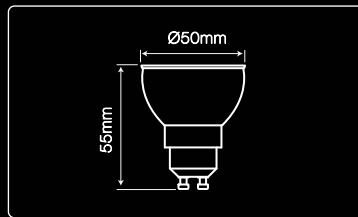
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	968lm	8W	121lm/W	249129
● 4000K	968lm	8W	121lm/W	249990



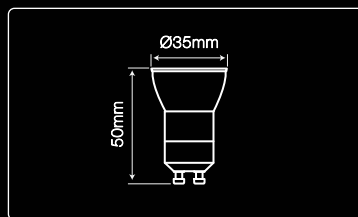




CCT	Luminous flux	Power	Efficacy	Product code
2700K	500lm	8W	62lm/W	470270
4000K	500lm	8W	62lm/W	470287



CCT	Luminous flux	Power	Efficacy	Product code
2700K	500lm	8W	62lm/W	470294
4000K	500lm	8W	62lm/W	470300

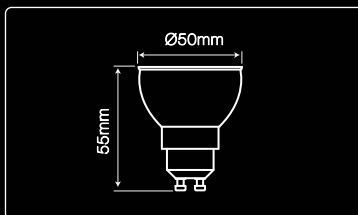


CCT	Luminous flux	Power	Efficacy	Product code
2700K	255lm	3W	85lm/W	248108
4000K	255lm	3W	85lm/W	248115
6000K	255lm	3W	85lm/W	248122

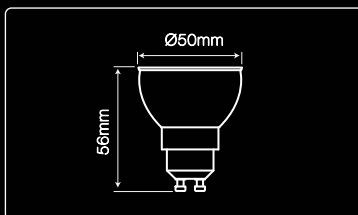


CERAMIC

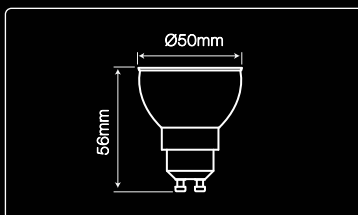
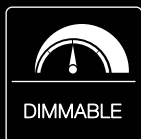
LED LIGHTS



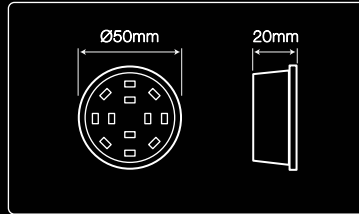
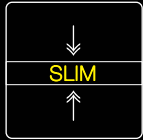
CCT	Luminous flux	Power	Efficacy	Product code
2700K	630lm	7W	90lm/W	247613
4000K	630lm	7W	90lm/W	247620
6500K	630lm	7W	90lm/W	240737



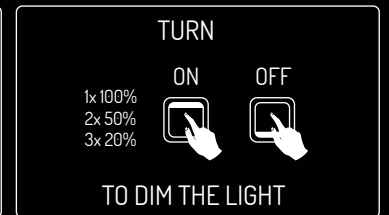
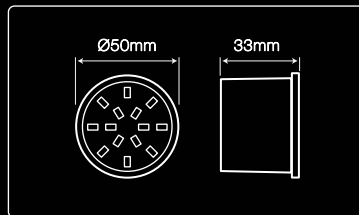
CCT	Luminous flux	Power	Efficacy	Product code
2700K	1000lm	10W	100lm/W	248580
4000K	1000lm	10W	100lm/W	248597
6500K	1000lm	10W	100lm/W	248603



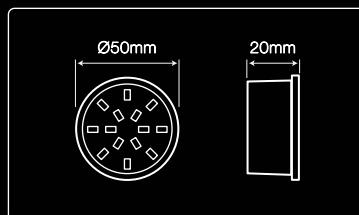
CCT	Luminous flux	Power	Efficacy	Product code
2700K	1000lm	10W	100lm/W	470218
4000K	1000lm	10W	100lm/W	470225



CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	400lm	5W	80lm/W	247286
● 4000K	400lm	5W	80lm/W	247293
● 6500K	400lm	5W	80lm/W	470560



CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	100% - 550lm	7W	79lm/W	248283
	50% - 310lm	3,5W	88lm/W	
	20% - 125lm	1,5W	83lm/W	
● 4000K	100% - 550lm	7W	79lm/W	248290
	50% - 310lm	3,5W	88lm/W	
	20% - 125lm	1,5W	83lm/W	

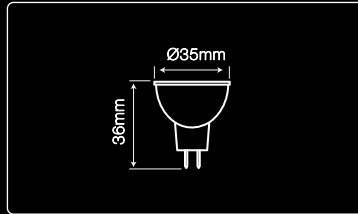


CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	400lm	5W	80lm/W	470720
● 4000K	400lm	5W	80lm/W	470737
● 6500K	400lm	5W	80lm/W	470744

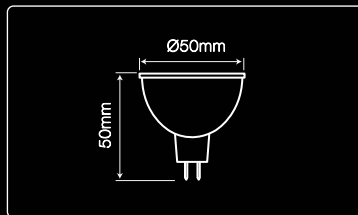


CERAMIC

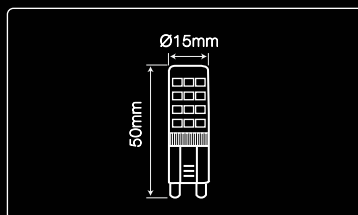
LED LIGHTS



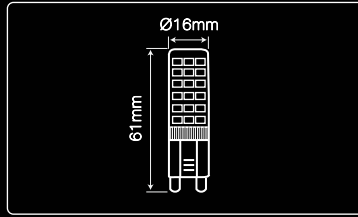
CCT	Luminous flux	Power	Efficacy	Product code
2700K	255lm	3W	85lm/W	248139
4000K	255lm	3W	85lm/W	248146
6000K	255lm	3W	85lm/W	248153



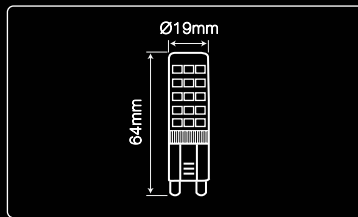
CCT	Luminous flux	Power	Efficacy	Product code
2700K	595lm	7W	85lm/W	247637
4000K	595lm	7W	85lm/W	247644



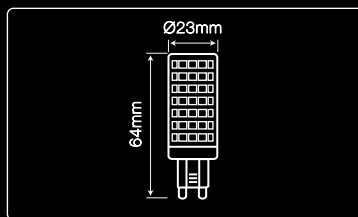
CCT	Luminous flux	Power	Efficacy	Product code
2700K	350lm	4W	88lm/W	245480
4000K	350lm	4W	88lm/W	245534
6000K	350lm	4W	88lm/W	245541



CCT	Luminous flux	Power	Efficacy	Product code
2700K	550lm	6W	92lm/W	245947
4000K	550lm	6W	92lm/W	245954
6000K	550lm	6W	92lm/W	245961



CCT	Luminous flux	Power	Efficacy	Product code
2700K	750lm	8W	94lm/W	247908
4000K	750lm	8W	94lm/W	247910
6000K	750lm	8W	94lm/W	247927

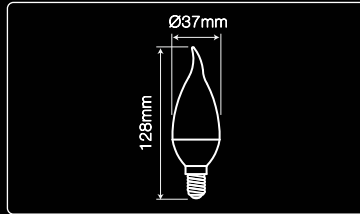
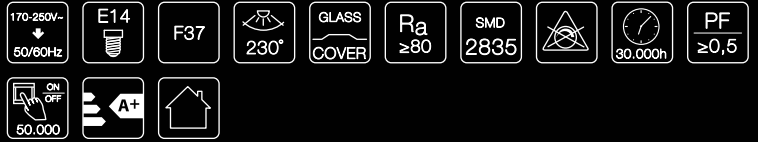


CCT	Luminous flux	Power	Efficacy	Product code
2700K	1080lm	12W	90lm/W	248900
4000K	1080lm	12W	90lm/W	248917
6000K	1080lm	12W	90lm/W	248924

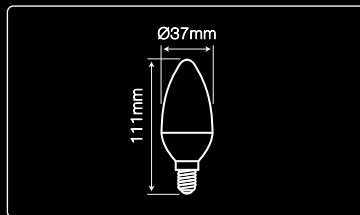
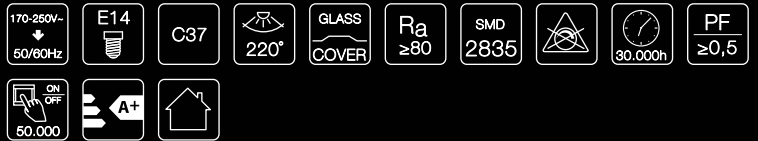


CERAMIC

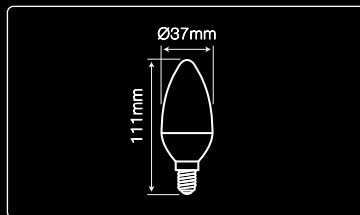
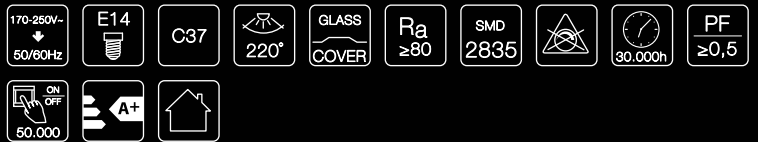
LED LIGHTS



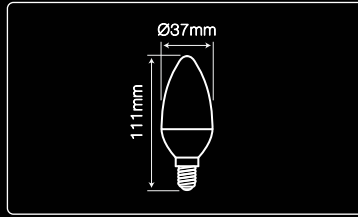
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	425lm	5W	85lm/W	242618
● 4000K	425lm	5W	85lm/W	247002



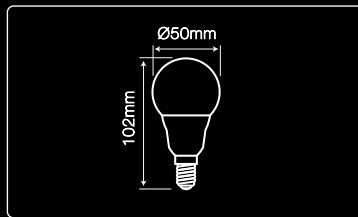
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	630lm	7W	90lm/W	247576
● 4000K	630lm	7W	90lm/W	247583



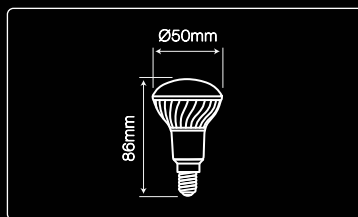
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	992lm	9W	110lm/W	248610
● 4000K	992lm	9W	110lm/W	248627



CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	992lm	9W	110lm/W	470232
● 4000K	992lm	9W	110lm/W	470249



CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	630lm	7W	90lm/W	470195
● 4000K	630lm	7W	90lm/W	470201

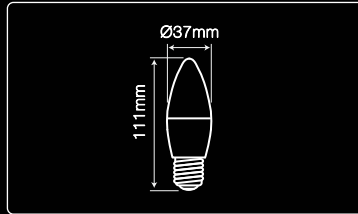


CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	560lm	7W	80lm/W	243295
● 4000K	595lm	7W	85lm/W	247057

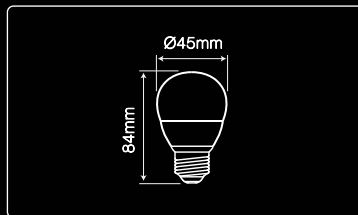


CERAMIC

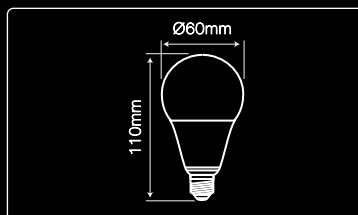
LED LIGHTS



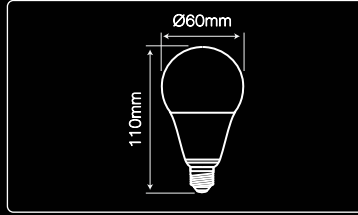
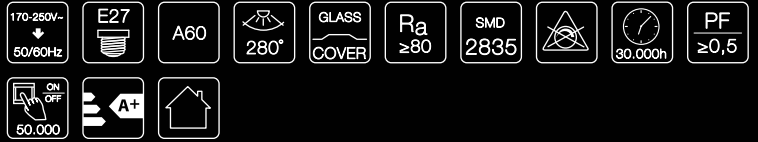
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	630lm	7W	90lm/W	249204
● 4000K	630lm	7W	90lm/W	249211



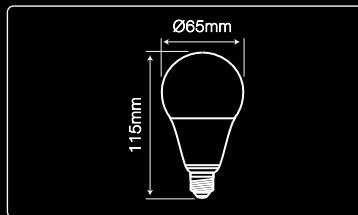
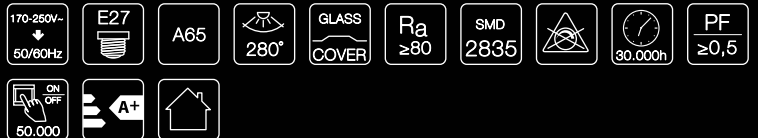
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	630lm	7W	90lm/W	247590
● 4000K	630lm	7W	90lm/W	247606



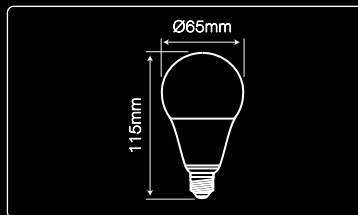
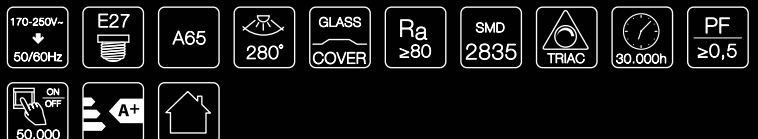
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	800lm	8W	100lm/W	241697
● 4000K	800lm	8W	100lm/W	241703



CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	1000lm	10W	100lm/W	241710
● 4000K	1000lm	10W	100lm/W	241727



CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	1300lm	13W	100lm/W	241734
● 4000K	1300lm	13W	100lm/W	241772

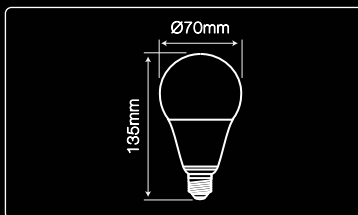


CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	1300lm	13W	100lm/W	470256
● 4000K	1300lm	13W	100lm/W	470263

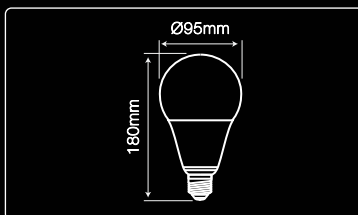


CERAMIC

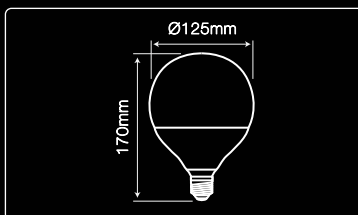
LED LIGHTS



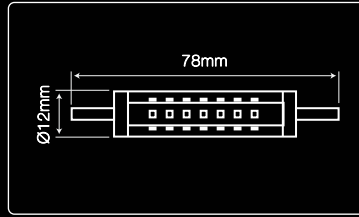
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	1800lm	18W	100lm/W	241833
● 4000K	1800lm	18W	100lm/W	241840



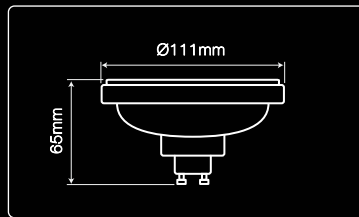
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	2500lm	25W	100lm/W	242403
● 4000K	2500lm	25W	100lm/W	243257



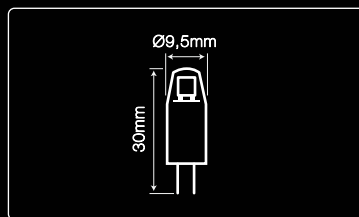
CCT	Luminous flux	Power	Efficacy	Product code
● 2700K	3500lm	35W	100lm/W	243264
● 4000K	3500lm	35W	100lm/W	244247



CCT	Luminous flux	Power	Efficacy	Product code
2700K	500lm	6W	83lm/W	248955
4000K	500lm	6W	83lm/W	248962



CCT	Luminous flux	Power	Efficacy	Product code
2700K	720lm	12W	60lm/W	470324
4000K	750lm	12W	62lm/W	470331



CCT	Luminous flux	Power	Efficacy	Product code
2700K	120lm	1,5W	80lm/W	248979
6000K	120lm	1,5W	80lm/W	248986

LED line®



FIXTURES

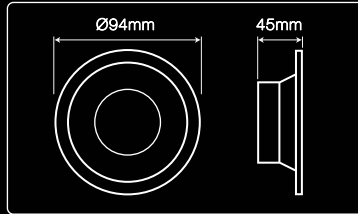
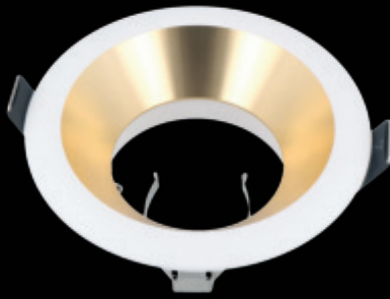
The right direction for LED light





SADED

5-year warranty

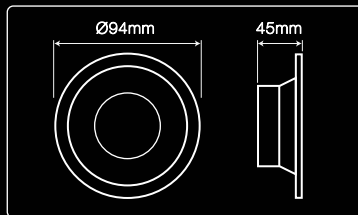


Colour
Gold & White

Product code
241314

SADED

5-year warranty



Colour
Gold & Black

Product code
241321



CLASSIC

FIXTURES

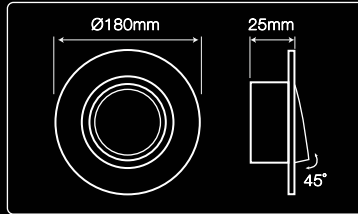
MATT

5-year warranty



111mm MAX 35W IP20 PURE ALUMINIUM POWDER COATED 45° III F 10.5m RECESSED

140mm



Colour
White

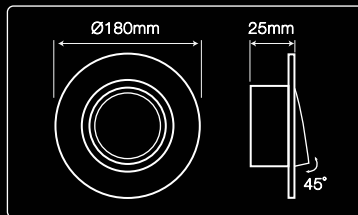
Product code
248344

BRUSHED

5-year warranty



111mm MAX 35W IP20 PURE ALUMINIUM 45° III F 10.5m RECESSED 140mm

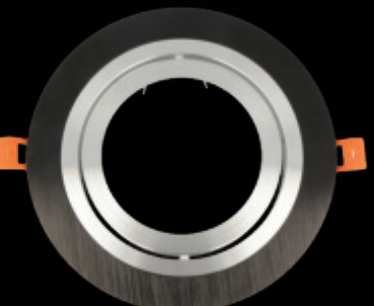


Colour
Silver

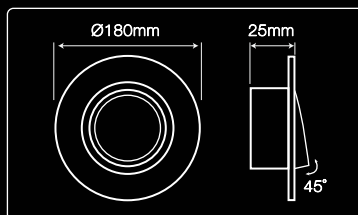
Product code
248351

BRUSHED

5-year warranty



111mm MAX 35W IP20 PURE ALUMINIUM 45° III F 10.5m RECESSED 140mm



Colour
Black

Product code
248368

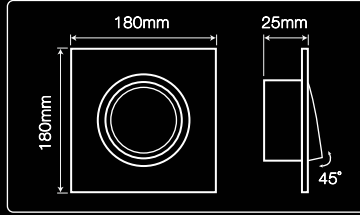


MATT

5-year warranty



111mm MAX 35W IP20 PURE ALUMINIUM POWDER COATED 45° III F 0.5m RECESSED



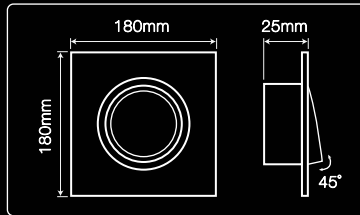
Colour: White Product code: 248375

BRUSHED

5-year warranty



111mm MAX 35W IP20 PURE ALUMINIUM 45° III F 0.5m RECESSED 140mm



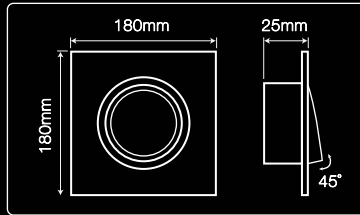
Colour: Silver Product code: 248382

BRUSHED

5-year warranty



111mm MAX 35W IP20 PURE ALUMINIUM 45° III F 0.5m RECESSED 140mm



Colour: Black Product code: 248399



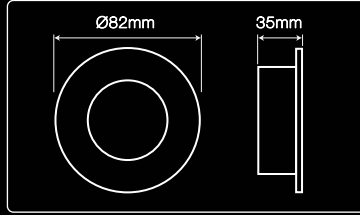
CLASSIC

FIXTURES

MATT

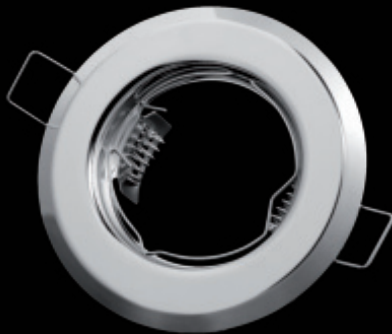


- 50mm
- MAX 35W
- IP20
- IRON
- POWDER COATED
- III
- F
- 10.5m
- RECESSED
- 60mm
- SOCKET included

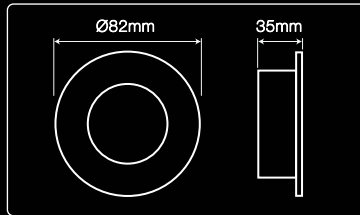


Colour: White | Product code: 242731

5-year warranty



- 50mm
- MAX 35W
- IP20
- IRON
- POWDER COATED
- III
- F
- 10.5m
- RECESSED
- 60mm
- SOCKET included

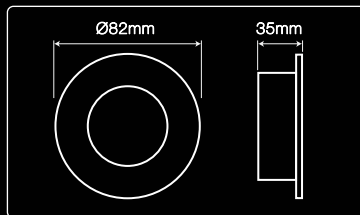


Colour: Chrome | Product code: 242724

5-year warranty



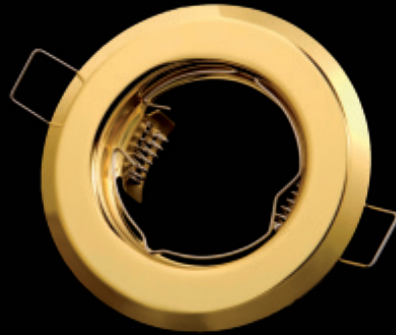
- 50mm
- MAX 35W
- IP20
- IRON
- POWDER COATED
- III
- F
- 10.5m
- RECESSED
- 60mm
- SOCKET included



Colour: Satin | Product code: 242700

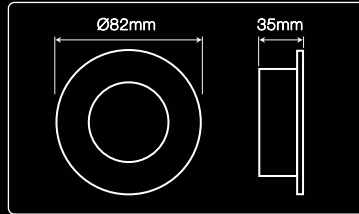


5-year
warranty



-
-
-
-
-
-
-
-
-
-

-
-



Colour
Gold

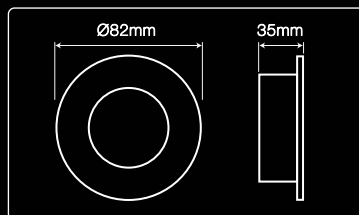
Product code
242694

5-year
warranty



-
-
-
-
-
-
-
-
-
-

-
-



Colour
Patina

Product code
242717



CLASSIC

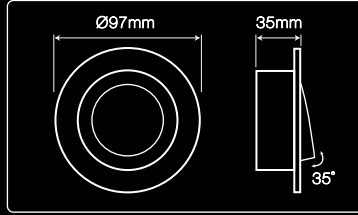
FIXTURES

MATT

5-year warranty



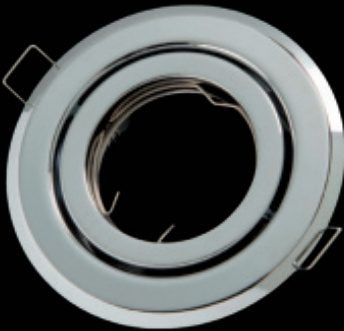
- 50mm
- MAX 35W
- IP20
- IRON
- POWDER COATED
- 35°
- III
- F
- 0.5m
- RECESSED
- 85mm
- SOCKET included



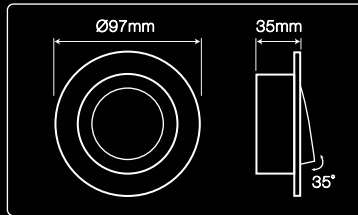
Colour
White

Product code
242793

5-year warranty



- 50mm
- MAX 35W
- IP20
- IRON
- POWDER COATED
- 35°
- III
- F
- 0.5m
- RECESSED
- 85mm
- SOCKET included



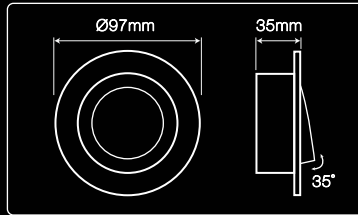
Colour
Chrome

Product code
242786

5-year warranty



- 50mm
- MAX 35W
- IP20
- IRON
- POWDER COATED
- 35°
- III
- F
- 0.5m
- RECESSED
- 85mm
- SOCKET included

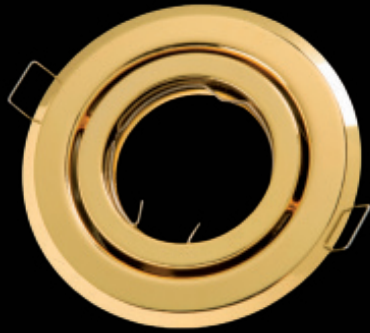


Colour
Satin

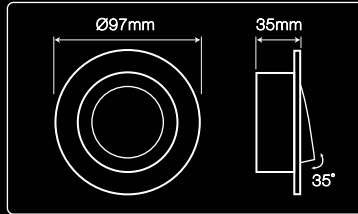
Product code
242762



5-year warranty



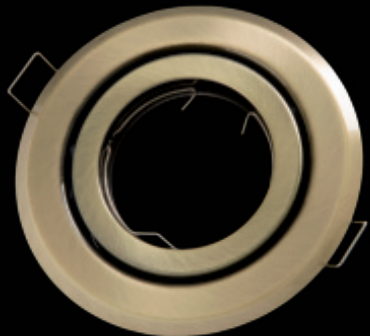
- 50mm
- MAX 35W
- IP20
- IRON
- POWDER COATED
- 35°
- III
- F
- 0.5m
- RECESSED
- 85mm
- SOCKET included



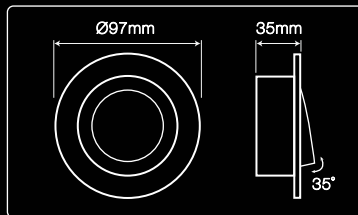
Colour
Gold

Product code
242755

5-year warranty



- 50mm
- MAX 35W
- IP20
- IRON
- POWDER COATED
- 35°
- III
- F
- 0.5m
- RECESSED
- 85mm
- SOCKET included



Colour
Patina

Product code
242779



CLASSIC

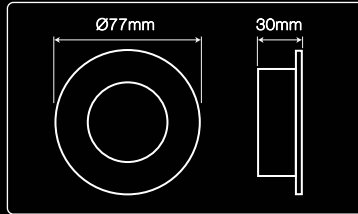
FIXTURES

MATT

5-year warranty



- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 10.5m
- RECESSED
- 65mm
- SOCKET included



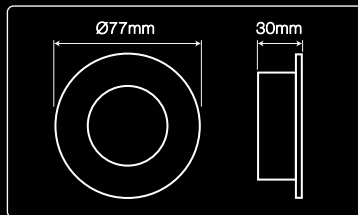
Colour
White

Product code
242854

5-year warranty



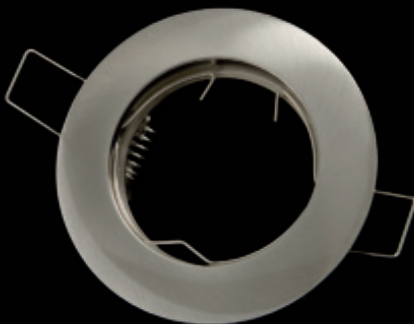
- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 10.5m
- RECESSED
- 65mm
- SOCKET included



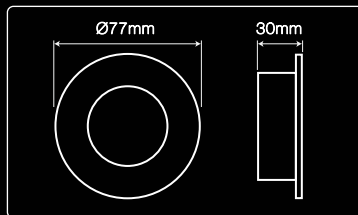
Colour
Chrome

Product code
242847

5-year warranty



- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 10.5m
- RECESSED
- 65mm
- SOCKET included



Colour
Satin

Product code
242823

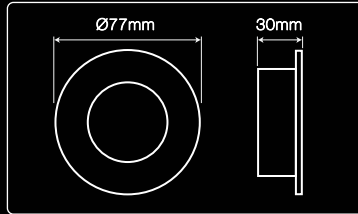


5-year warranty



- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 10.5m
- RECESSED
- 65mm

- SOCKET included



Colour
Gold

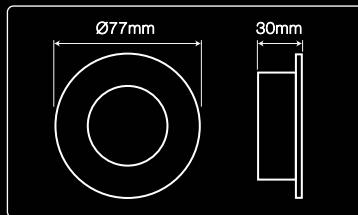
Product code
242816

5-year warranty



- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 10.5m
- RECESSED
- 65mm

- SOCKET included



Colour
Patina

Product code
242830

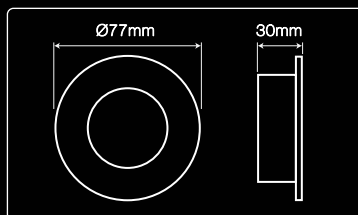
MATT

5-year warranty



- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 10.5m
- RECESSED
- 65mm

- SOCKET included



Colour
Black

Product code
242835



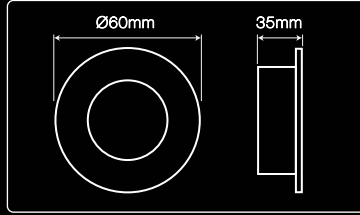
CLASSIC

FIXTURES

MATT

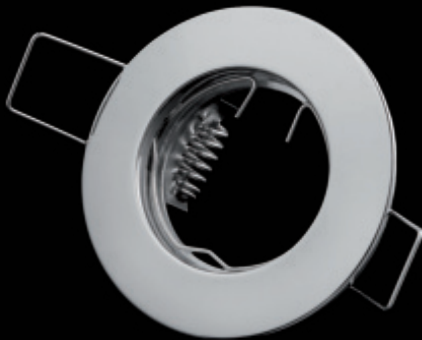


-
-
-
-
-
-
-
-
-
-
-

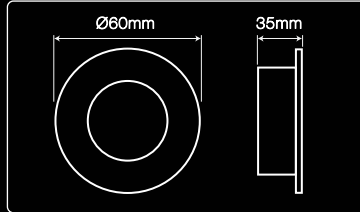


Colour: White Product code: 245114

5-year warranty

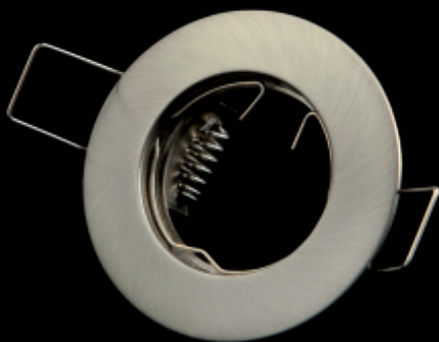


-
-
-
-
-
-
-
-
-
-
-

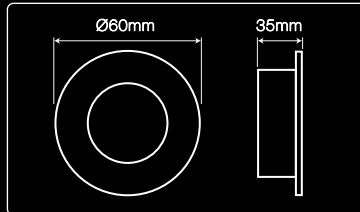


Colour: Chrome Product code: 243028

5-year warranty



-
-
-
-
-
-
-
-
-
-
-



Colour: Satin Product code: 243004

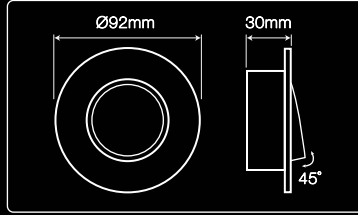


MATT

5-year warranty

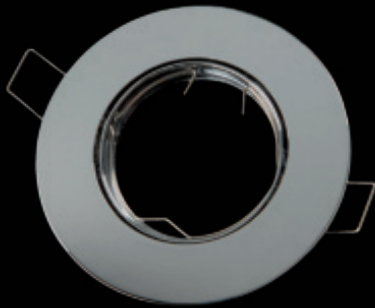


-
-
-
-
-
-
-
-
-
-
-
-
-

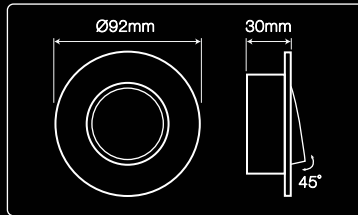


Colour: White | Product code: 242915

5-year warranty

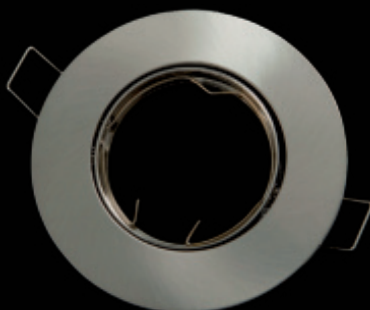


-
-
-
-
-
-
-
-
-
-
-
-
-

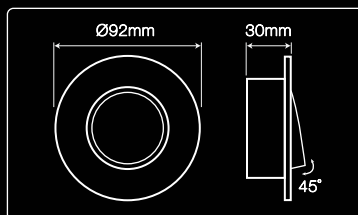


Colour: Chrome | Product code: 242908

5-year warranty



-
-
-
-
-
-
-
-
-
-
-
-
-



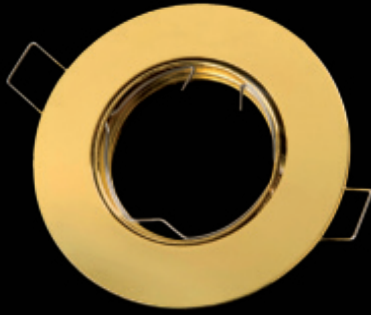
Colour: Satin | Product code: 242885



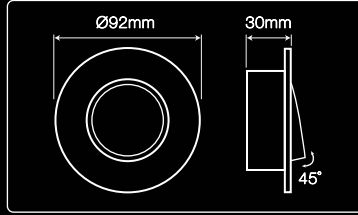
CLASSIC

FIXTURES

5-year warranty



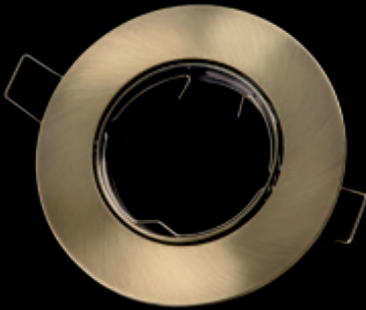
- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 80mm
- SOCKET included



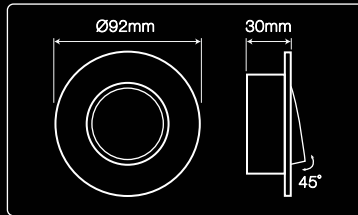
Colour
Gold

Product code
242878

5-year warranty



- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 80mm
- SOCKET included



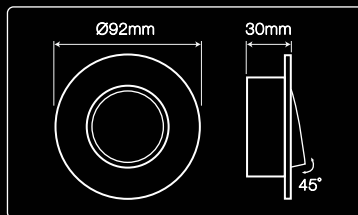
Colour
Patina

Product code
242892

MATT



- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 80mm
- SOCKET included



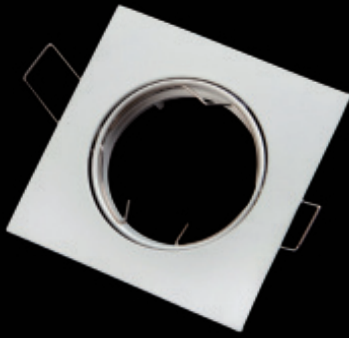
Colour
Black

Product code
242959

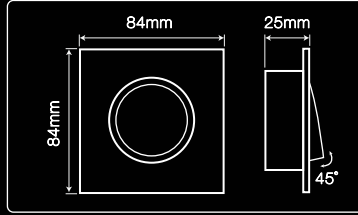


MATT

5-year warranty



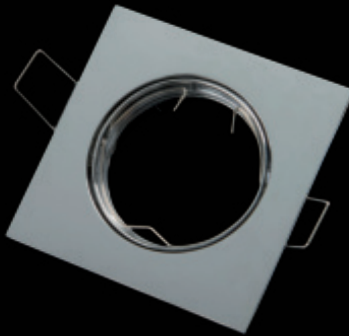
- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 75mm
- SOCKET included



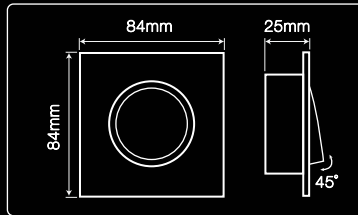
Colour
White

Product code
242977

5-year warranty



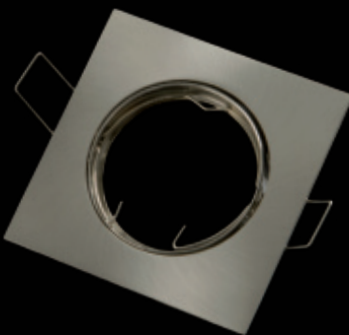
- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 75mm
- SOCKET included



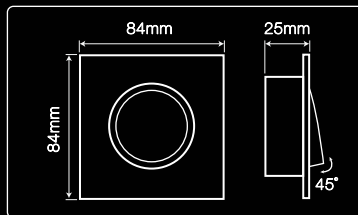
Colour
Chrome

Product code
242960

5-year warranty



- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 75mm
- SOCKET included



Colour
Satin

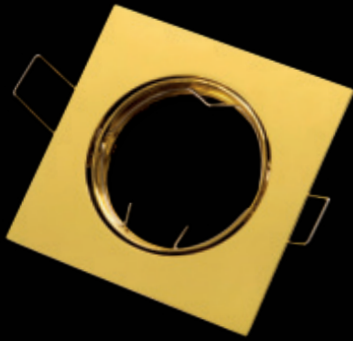
Product code
242946



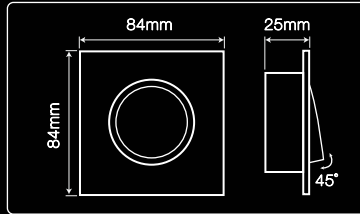
CLASSIC

FIXTURES

5-year warranty



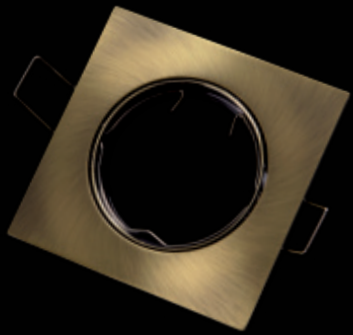
- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 75mm
- SOCKET included



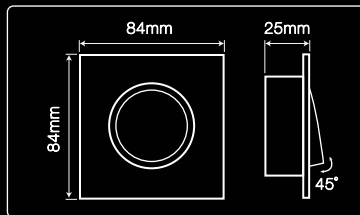
Colour
Gold

Product code
242939

5-year warranty



- 50mm
- MAX 35W
- IP20
- DIE-CAST ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 75mm
- SOCKET included

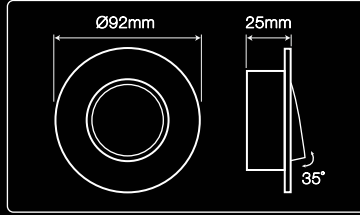
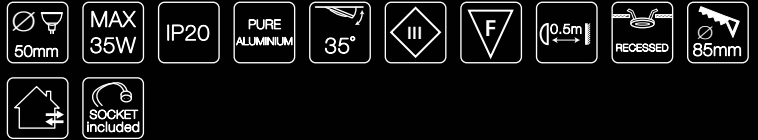


Colour
Patina

Product code
242953

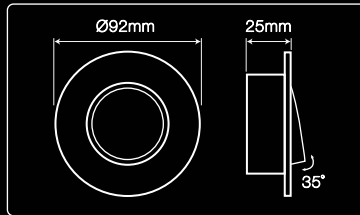
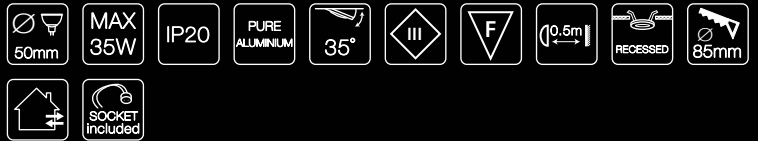
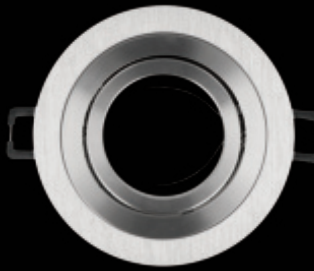


MATT



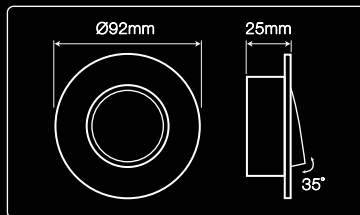
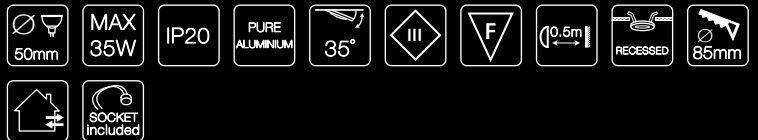
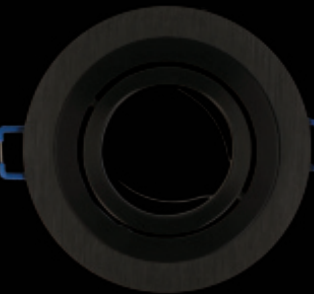
Colour: White | Product code: 241284

BRUSHED



Colour: Silver | Product code: 241239

BRUSHED



Colour: Black | Product code: 241253

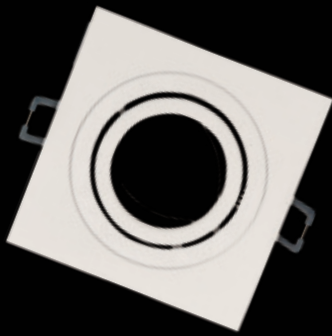


CLASSIC

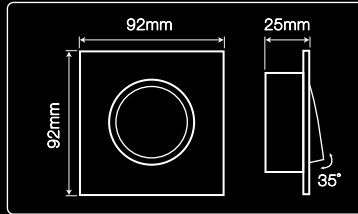
FIXTURES

MATT

5-year warranty



- 50mm
- MAX 35W
- IP20
- PURE ALUMINIUM
- 35°
- III
- F
- 10.5m
- RECESSED
- 85mm

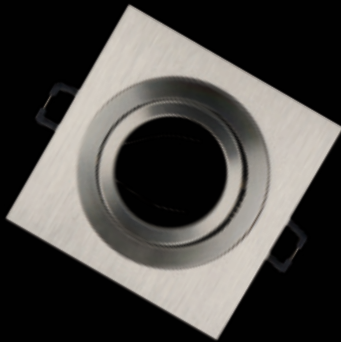


Colour
White

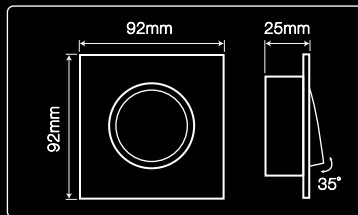
Product code
241222

BRUSHED

5-year warranty



- 50mm
- MAX 35W
- IP20
- PURE ALUMINIUM
- 35°
- III
- F
- 10.5m
- RECESSED
- 85mm

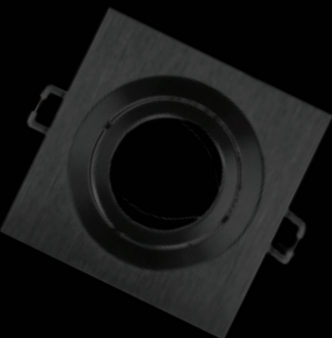


Colour
Silver

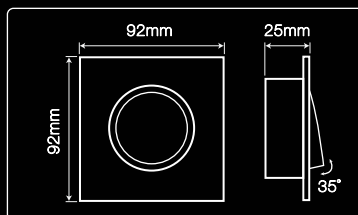
Product code
241215

BRUSHED

5-year warranty

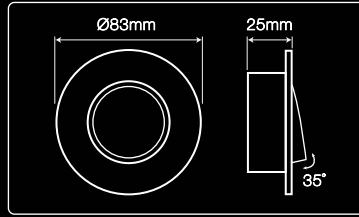
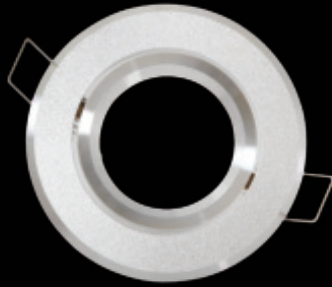


- 50mm
- MAX 35W
- IP20
- PURE ALUMINIUM
- 35°
- III
- F
- 10.5m
- RECESSED
- 85mm

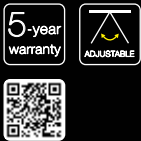
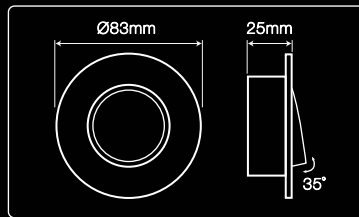


Colour
Black

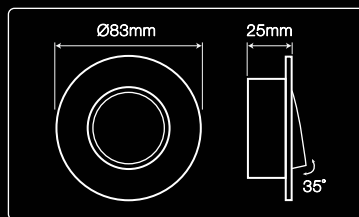
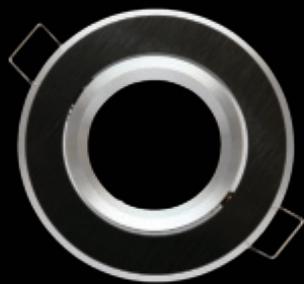
Product code
241208



Colour: Silver | Product code: 244896



Colour: Silver | Product code: 244810

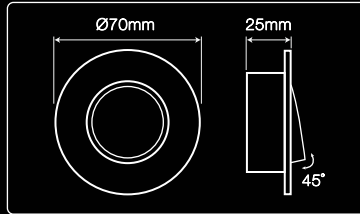
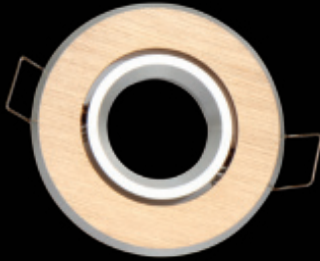


Colour: Black | Product code: 244902



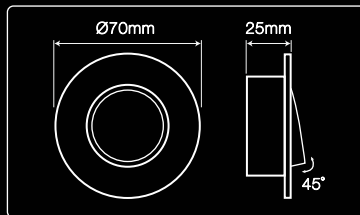
CLASSIC

FIXTURES



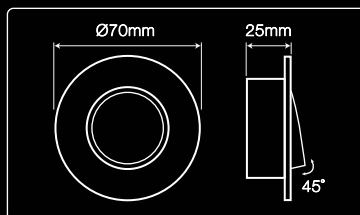
Colour
Gold

Product code
244865



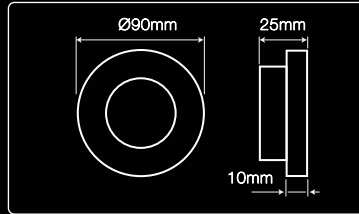
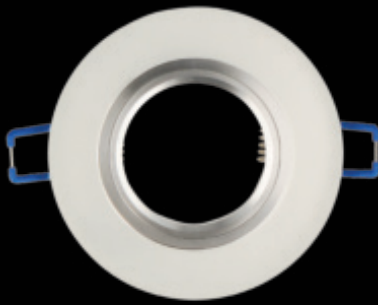
Colour
Silver

Product code
244919

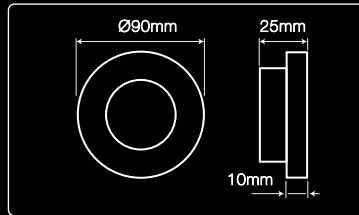
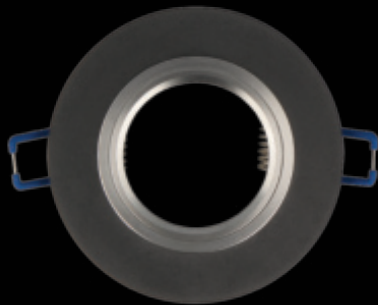


Colour
Black

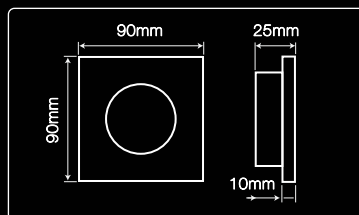
Product code
244872



Colour: White Product code: 241413



Colour: Black Product code: 241420

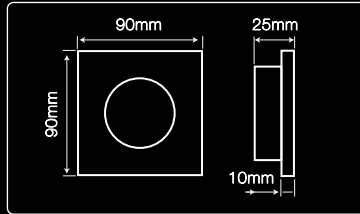
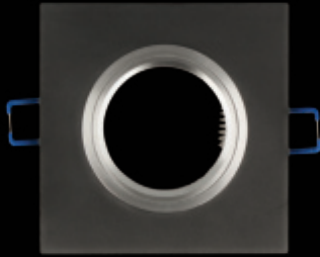


Colour: White Product code: 241338



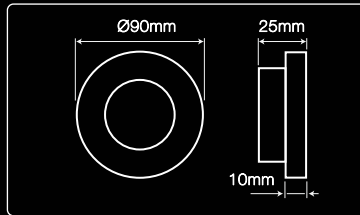
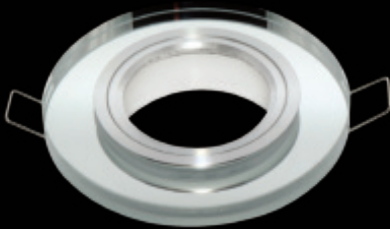
GLASS

FIXTURES



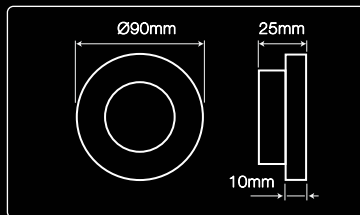
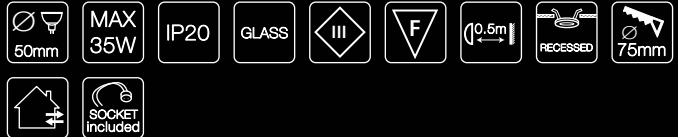
Colour
Black

Product code
241345



Colour
Silver

Product code
246364

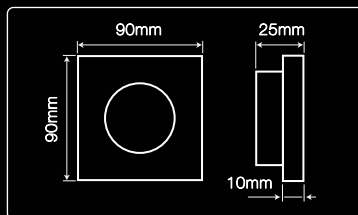


Colour
Black

Product code
246371



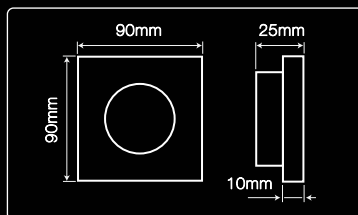
5-year warranty



Colour
Silver

Product code
246388

5-year warranty



Colour
Black

Product code
246395



WATERPROOF

FIXTURES

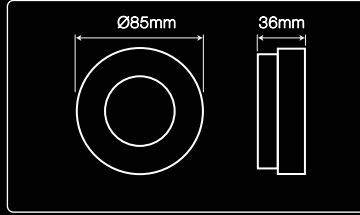


5-year warranty

MATT



- 50mm
- MAX 35W
- IP20 ↓
IP44 ↑
- GLASS COVER
- IRON
- POWDER COATED
- III
- F
- 0.5m
- RECESSED
- 70mm
- SOCKET included



Colour
White

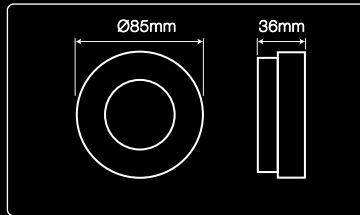
Product code
245404



5-year warranty



- 50mm
- MAX 35W
- IP20 ↓
IP44 ↑
- GLASS COVER
- IRON
- POWDER COATED
- III
- F
- 0.5m
- RECESSED
- 70mm
- SOCKET included



Colour
Chrome

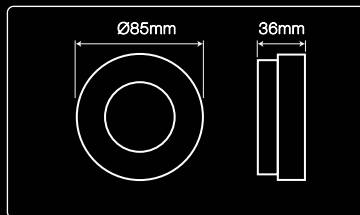
Product code
245411



5-year warranty



- 50mm
- MAX 35W
- IP20 ↓
IP44 ↑
- GLASS COVER
- IRON
- POWDER COATED
- III
- F
- 0.5m
- RECESSED
- 70mm
- SOCKET included



Colour
Satin

Product code
245459



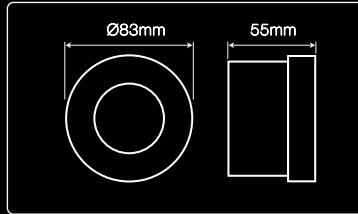
5-year warranty

MATT



- 50mm
- MAX 35W
- IP20 ↓
IP44 ↑
- MATT GLASS COVER
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 0.5m
- RECESSED

- 73mm
- SOCKET included



Colour
White

Product code
245428

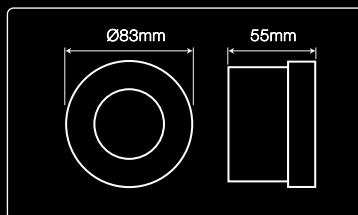


5-year warranty



- 50mm
- MAX 35W
- IP20 ↓
IP44 ↑
- MATT GLASS COVER
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 0.5m
- RECESSED

- 73mm
- SOCKET included



Colour
Chrome

Product code
245435

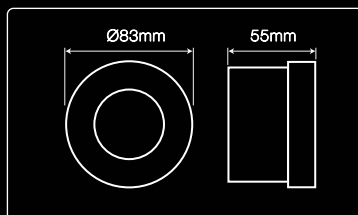


5-year warranty



- 50mm
- MAX 35W
- IP20 ↓
IP44 ↑
- MATT GLASS COVER
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 0.5m
- RECESSED

- 73mm
- SOCKET included



Colour
Satin

Product code
245442



WATERPROOF

FIXTURES

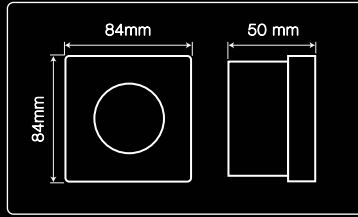


5-year warranty

MATT



- 50mm
- MAX 35W
- IP20 ↓
IP44 ↑
- MATT GLASS COVER
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 0.5m
- RECESSED
- 73mm
- SOCKET included



Colour
White

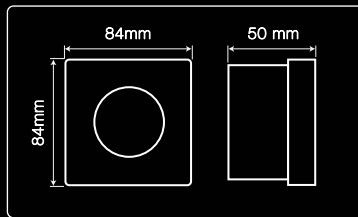
Product code
245374



5-year warranty



- 50mm
- MAX 35W
- IP20 ↓
IP44 ↑
- MATT GLASS COVER
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 0.5m
- RECESSED
- 73mm
- SOCKET included



Colour
Chrome

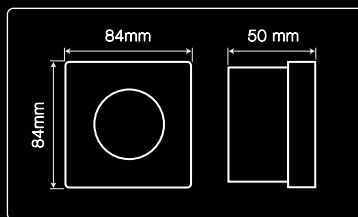
Product code
245381



5-year warranty



- 50mm
- MAX 35W
- IP20 ↓
IP44 ↑
- MATT GLASS COVER
- DIE-CAST ALUMINIUM
- POWDER COATED
- III
- F
- 0.5m
- RECESSED
- 73mm
- SOCKET included



Colour
Satin

Product code
245398



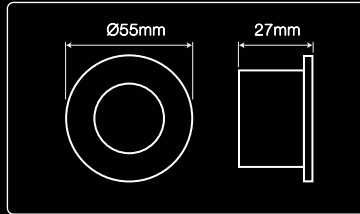
5-year warranty

MATT



35mm MAX 35W IP20 ↓ IP44 ↑ GLASS COVER DIE-CAST ZINC POWDER COATED III F 0.5m RECESSED

45mm SOCKET included



Colour
White

Product code
249266

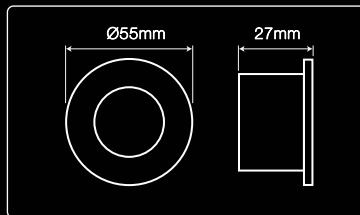


5-year warranty



35mm MAX 35W IP20 ↓ IP44 ↑ GLASS COVER DIE-CAST ZINC POWDER COATED III F 0.5m RECESSED

45mm SOCKET included



Colour
Chrome

Product code
249273



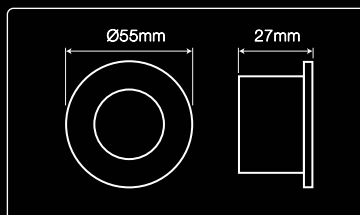
5-year warranty

MATT



35mm MAX 35W IP20 ↓ IP44 ↑ GLASS COVER DIE-CAST ZINC POWDER COATED III F 0.5m RECESSED

45mm SOCKET included



Colour
Black

Product code
249297



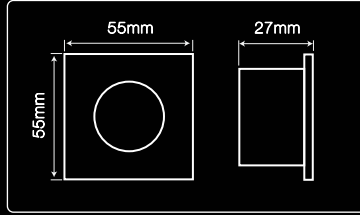
WATERPROOF

FIXTURES



5-year warranty

MATT

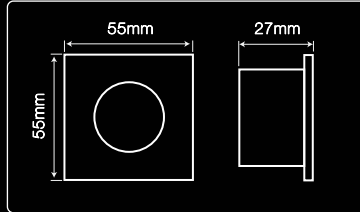


Colour
White

Product code
249303



5-year warranty



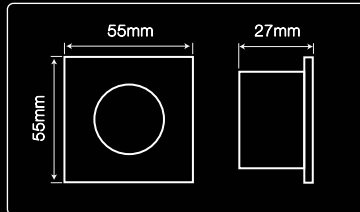
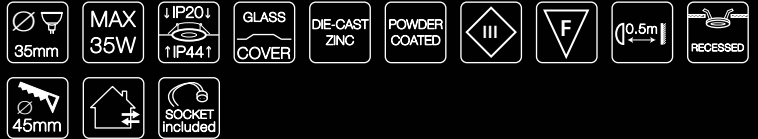
Colour
Chrome

Product code
249310



5-year warranty

MATT



Colour
Black

Product code
249334



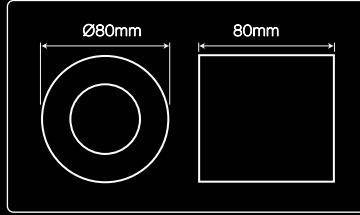
5-year warranty



MATT



- GU10
- 50mm
- MAX 35W
- IP44
- GLASS COVER
- PURE ALUMINIUM
- POWDER COATED
- Grounding symbol
- F
- 10.5m
- SURFACE
- Socket icon
- SOCKET included



Colour
White

Product code
242540



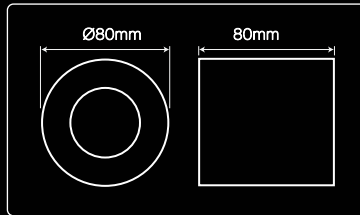
5-year warranty



MATT



- GU10
- 50mm
- MAX 35W
- IP44
- GLASS COVER
- PURE ALUMINIUM
- POWDER COATED
- Grounding symbol
- F
- 10.5m
- SURFACE
- Socket icon
- SOCKET included



Colour
Black

Product code
242557



TUBE

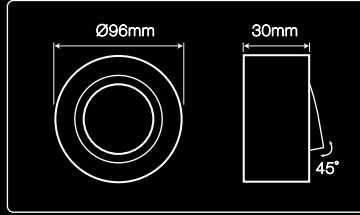
FIXTURES



#ROLLOMIDI



- 50mm
- MAX 35W
- IP20
- PURE ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 85mm
- SOCKET included



Colour
White

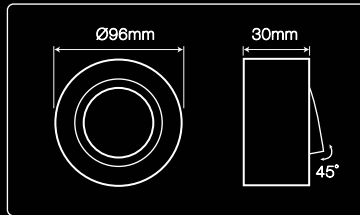
Product code
243851



#ROLLOMIDI



- 50mm
- MAX 35W
- IP20
- PURE ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 85mm
- SOCKET included



Colour
Silver

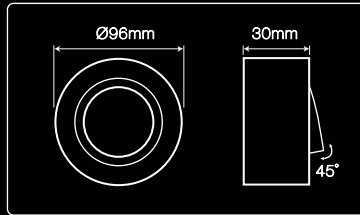
Product code
243134



#ROLLOMIDI



- 50mm
- MAX 35W
- IP20
- PURE ALUMINIUM
- POWDER COATED
- 45°
- III
- F
- 0.5m
- RECESSED
- 85mm
- SOCKET included



Colour
Black

Product code
242656



MATT

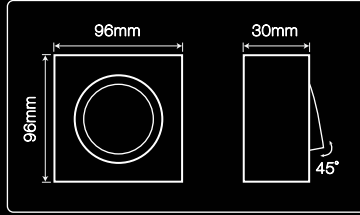
#CUBOMIDI



5-year warranty



-
-
-
-
-
-
-
-
-
-
-
-
-



Colour: White | Product code: 243141

BRUSHED

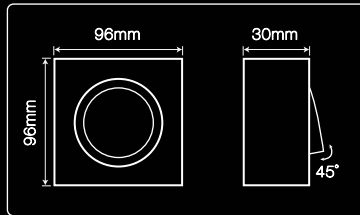
#CUBOMIDI



5-year warranty



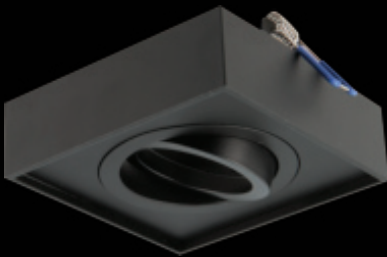
-
-
-
-
-
-
-
-
-
-
-
-
-



Colour: Silver | Product code: 243738

MATT

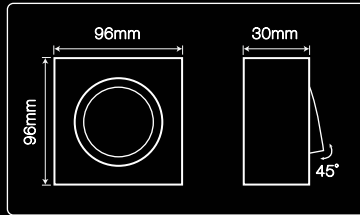
#CUBOMIDI



5-year warranty



-
-
-
-
-
-
-
-
-
-
-
-
-



Colour: Black | Product code: 243172



TUBE

FIXTURES

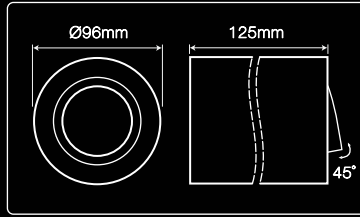


#ROLLO



- GU10
- 50mm
- MAX 35W
- IP20
- PURE ALUMINIUM
- POWDER COATED
- 45°
- ⚡
- F
- 10.5m

- SURFACE
- HOUSE
- SOCKET included



- 5-year warranty
- ADJUSTABLE



Colour: White | Product code: 249693

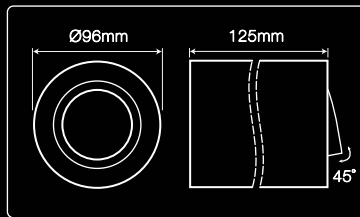


#ROLLO



- GU10
- 50mm
- MAX 35W
- IP20
- PURE ALUMINIUM
- POWDER COATED
- 45°
- ⚡
- F
- 10.5m

- SURFACE
- HOUSE
- SOCKET included



- 5-year warranty
- ADJUSTABLE



Colour: Silver | Product code: 249716

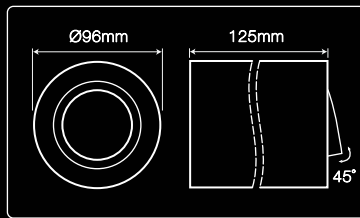


#ROLLO



- GU10
- 50mm
- MAX 35W
- IP20
- PURE ALUMINIUM
- POWDER COATED
- 45°
- ⚡
- F
- 10.5m

- SURFACE
- HOUSE
- SOCKET included



- 5-year warranty
- ADJUSTABLE



Colour: Black | Product code: 249709



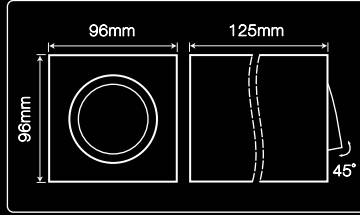
MATT

#CUBO



-
-
-
-
-
-
-
-
-
-
-
-
-

-
-
-



Colour: White Product code: 249723

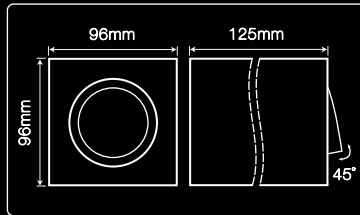
BRUSHED

#CUBO



-
-
-
-
-
-
-
-
-
-
-
-
-

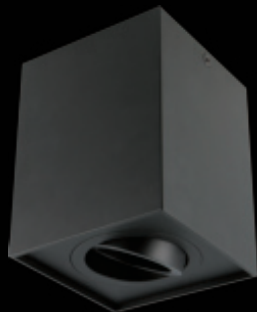
-
-
-



Colour: Silver Product code: 249747

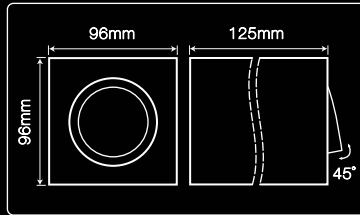
MATT

#CUBO



-
-
-
-
-
-
-
-
-
-
-
-
-

-
-
-



Colour: Black Product code: 249730

LED line®



LED STRIPS

The only limits to creating illumination are the limits of your imagination





#DIMTOWARM

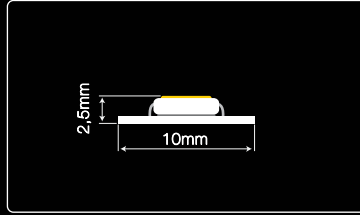
0,2-12W 1m	120°	IP20	Ra ≥80	SMD 2835	140SMD 1m	PWM min. 3kHz	PCB 2OZ	10cm	3M* 300LSE
100,000h	A+	MAX +45°C -20°C	III						

5-year warranty

5-step MacAdam

LONGER LIFESPAN

* IES



CCT	Luminous flux/1m	Efficacy	Current/1m	Voltage	Length	Product code
●●● 1600-6500K	17-1140lm	85-95lm/W	0,009-0,5A	24V DC	5m	470751



1600K
17lm/m

2000K
350lm/m

3000K
700lm/m

4000K
900lm/m

6500K
1140lm/m



EXPERT

LED STRIPS

#SAMSUNG

LED provided by
SAMSUNG

18W / 1m, 120°, IP20, Ra ≥80, SMD 5630, 60SMD / 1m, PWM, PCB 30z, 5cm/12V, 10cm/24V, 3M[®] 300LSE, 100.000h, A+, MAX +45°C -20°C, III

5-year warranty

3-step MacAdam

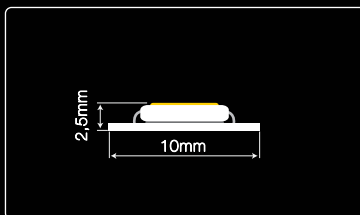


LOW VOLTAGE DROP

LONGER LIFESPAN



*.IES



CCT	Luminous flux/1m	Efficacy	Current/1m	Voltage	Length	Product code
2700-2868K	1650lm	92lm/W	1,5A	12V DC	5m	245916
3900-4175K	1650lm	92lm/W	1,5A	12V DC	5m	245923
6200-6700K	1650lm	92lm/W	1,5A	12V DC	5m	245930
10000-13000K	1650lm	92lm/W	1,5A	12V DC	5m	246982
2700-2868K	1650lm	92lm/W	0,75A	24V DC	5m	247743
3900-4175K	1650lm	92lm/W	0,75A	24V DC	5m	247750
6200-6700K	1650lm	92lm/W	0,75A	24V DC	5m	247767
10000-13000K	1650lm	92lm/W	0,75A	24V DC	5m	247965



#HIGHCRI

18W / 1m, 1,5A / 1m, 12V DC, 120°, IP20, CRI ≥95, SMD 5730, 60SMD / 1m, PWM, PCB 30z, 5cm, 3M[®] 300LSE, 100.000h, A+, MAX +45°C -20°C, III

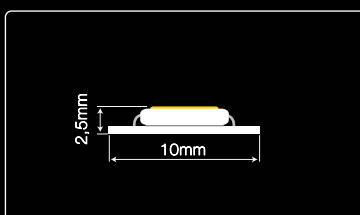
5-year warranty

3-step MacAdam



LOW VOLTAGE DROP

*.IES



CCT	Luminous flux1/m	Efficacy	Length	Product code
3900-4175K	1260lm	70lm/W	5m	246739



#ULTRASLIM

9,6W / 1m, 0,8A / 1m, 12V DC, 120°, IP20, CRI ≥90, SMD 2216, 120SMD / 1m, PWM, PCB 40z, 2,5cm, 3M[®] 300LSE, 100.000h, A+, MAX +45°C -20°C, III

5-year warranty

HIGH CRI

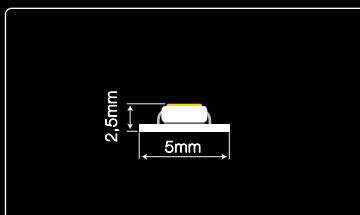


3-step MacAdam

LOW VOLTAGE DROP



*.IES



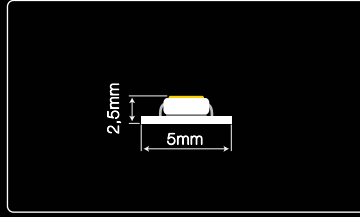
CCT	Luminous flux/1m	Efficacy	Length	Product code
3900-4175K	680lm	71lm/W	5m	249167



#ULTRASLIM

9,6W 1m	0,8A 1m	12V DC	120°	IP20	CRI ≥90	SMD 2216	120SMD 1m	PWM	PCB 4oz
2,5cm	3M [®] 300LSE	100.000h	A+	MAX +45°C -20°C	House	III			

5-year warranty	HIGH CRI
3-step MacAdam	LOW VOLTAGE DROP
QR	*.IES



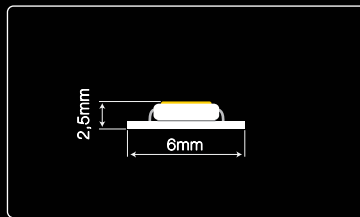
CCT	Luminous flux/1m	Efficacy	Length	Product code
● 3900-4175K	680lm	71lm/W	5m	249174



#TWIST

4,8W 1m	0,4A 1m	12V DC	120°	IP20	R _a ≥80	SMD 3528	60SMD 1m	PWM	PCB 2oz
5cm	3M [®] 300LSE	100.000h	A+	MAX +45°C -20°C	House	III			

5-year warranty	3-step MacAdam
QR	*.IES



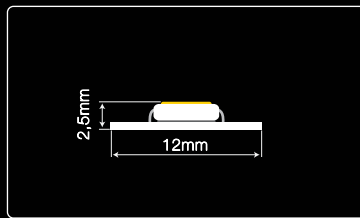
CCT	Luminous flux/1m	Efficacy	Length	Product code
● 3900-4175K	420lm	88lm/W	5m	246494



#RGBTWIST

10W 1m	0,83A 1m	12V DC	120°	IP20	SMD 5050	42SMD 1m	PWM	PCB 2oz	7,1cm
3M [®] 300LSE	100.000h	MAX +45°C -20°C	House	III					

5-year warranty	TWIST
QR	*.IES



Colour	Wavelength	Length	Product code
● ● ● RGB	620 / 520 / 465nm	5m	246500

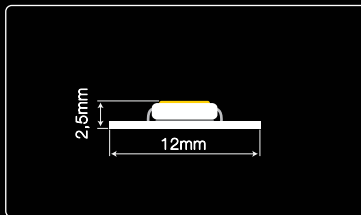
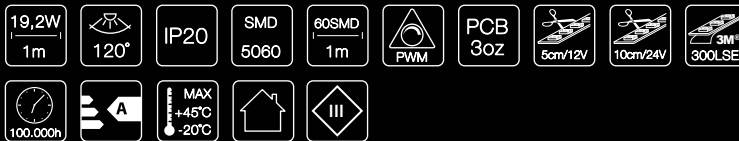


EXPERT

LED STRIPS



#RGBW

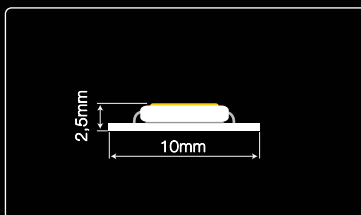
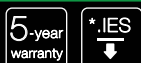


CCT	Luminous flux/1m	Efficacy	R _a	Current/1m	Voltage	Product code
• 2600-2868K	400lm	83lm/W	≥80	1,6A	12V DC	247071
• 6100-6800K	400lm	83lm/W	≥80	1,6A	12V DC	245657
• 2600-2868K	400lm	83lm/W	≥80	0,8A	24V DC	241673
• 6100-6800K	400lm	83lm/W	≥80	0,8A	24V DC	241680

Colour	Wavelength
• • • RGB	620 / 520 / 465nm



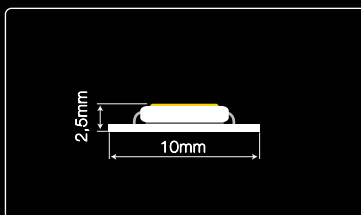
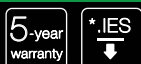
#DIGITAL



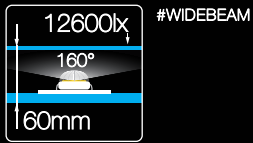
Colour	Wavelength	Length	Product code
• • • RGB	620 / 520 / 465nm	5m	248238



#MULTIWHITE



CCT	Luminous flux/1m	Efficacy	Current/1m	Voltage	Length	Product code
• 3000-6000K	740lm	77lm/W	0,8A	12V DC	5m	243714
• 3000-6000K	740lm	77lm/W	0,4A	24V DC	5m	241819



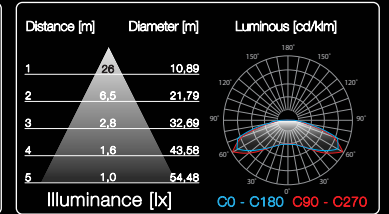
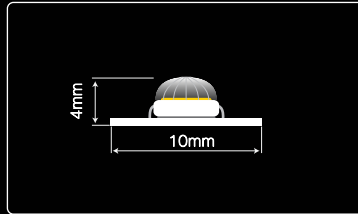
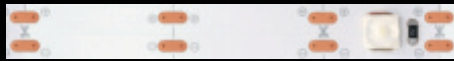
18W 1m	1,5A 1m	12V DC	160°	IP20	Ra ≥80	SMD 6060	14SMD 1m	PWM	PCB 2oz
7cm	3M® 300LSE	100.000h	A	MAX +45°C -20°C	III				

5-year warranty

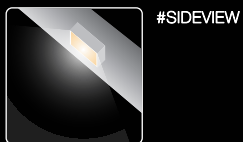
90lm LED

3-step MacAdam

*.IES



CCT	Luminous flux/1m	Efficacy	Length	Product code
6000-7000K	1260lm	70lm/W	5m	244056

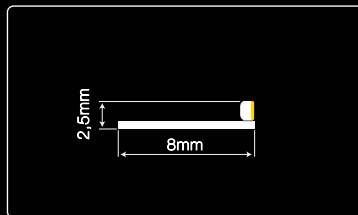


7,2W 1m	0,6A 1m	12V DC	120°	IP20	Ra ≥80	SMD 3014	60SMD 1m	PWM	PCB 2oz
5cm	3M® 300LSE	100.000h	A+	MAX +45°C -20°C	III				

5-year warranty

3-step MacAdam

*.IES



CCT	Luminous flux/1m	Efficacy	Length	Product code
2700-2868K	550lm	76lm/W	5m	244094
3900-4175K	550lm	76lm/W	5m	244100
6200-6700K	550lm	76lm/W	5m	244216



24W 1m	2A 1m	12V DC	120°	IP20	CRI ≥90	SMD 2216	300SMD 1m	PWM	PCB 2oz
1cm	3M® 300LSE	100.000h	A+	MAX +45°C -20°C	III				

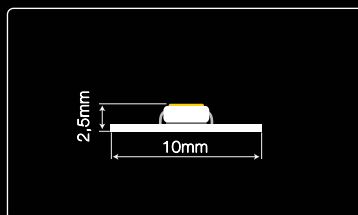
5-year warranty

HIGH CRI

3-step MacAdam

LONGER LIFESPAN

*.IES



CCT	Luminous flux/1m	Efficacy	Length	Product code
2700-2868K	1700lm	71lm/W	5m	245268
3900-4175K	1700lm	71lm/W	5m	245589
6200-6700K	1700lm	71lm/W	5m	246333



WATERPROOF

LED STRIPS

**YELLOW
FREE™**

3-year
warranty

3-step
MacAdam

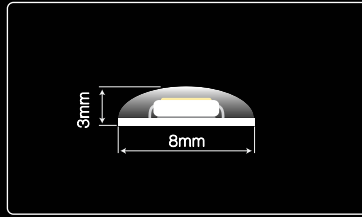


*.IES
↓



2,4W / 1m | 0,2A / 1m | 12V DC | 120° | IP65 ↓ / IP20 ↑ | SMD 3528 | 30SMD / 1m | PWM | PCB 2oz | 10cm

300LSE | 100.000h | MAX +45°C / -20°C | House icon | III



CCT	Luminous flux/1m	Efficacy	R _a	Energy class	Length	Product code
2865-3025K	200lm	83lm/W	≥80	A+	5m	240072
3900-4175K	200lm	83lm/W	≥80	A+	5m	242151
6200-6700K	200lm	83lm/W	≥80	A+	5m	240089
10000-13000K	200lm	83lm/W	≥80	A+	5m	240096
Colour	Wavelength					Product code
red	620nm					240102
green	520nm					240126
blue	465nm					240119
yellow	590nm					240133

**YELLOW
FREE™**

3-year
warranty

3-step
MacAdam

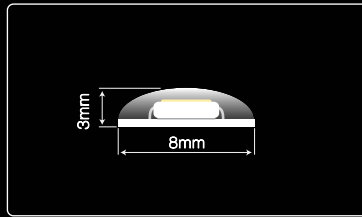


*.IES
↓



4,8W / 1m | 120° | IP65 ↓ / IP20 ↑ | SMD 3528 | 60SMD / 1m | PWM | PCB 2oz | 5cm/12V | 10cm/24V | 300LSE

100.000h | A+ | MAX +45°C / -20°C | House icon | III



CCT	Luminous flux/1m	Efficacy	R _a	Current/1m	Voltage	Product code
2400-2600K	400lm	83lm/W	≥80	0,4A	12V DC	247774
2865-3025K	400lm	83lm/W	≥80	0,4A	12V DC	240249
3900-4175K	400lm	83lm/W	≥80	0,4A	12V DC	245619
6200-6700K	400lm	83lm/W	≥80	0,4A	12V DC	240256
10000-13000K	400lm	83lm/W	≥80	0,4A	12V DC	240263
2400-2600K	400lm	83lm/W	≥80	0,2A	24V DC	240706
2865-3025K	400lm	83lm/W	≥80	0,2A	24V DC	240713
3900-4175K	400lm	83lm/W	≥80	0,2A	24V DC	240720
6200-6700K	400lm	83lm/W	≥80	0,2A	24V DC	240744
10000-13000K	400lm	83lm/W	≥80	0,2A	24V DC	241147
Colour	Wavelength					Product code
red	620nm	0,4A		12V DC		240270
green	520nm	0,4A		12V DC		240294
blue	465nm	0,4A		12V DC		240287
yellow	590nm	0,4A		12V DC		240300

**YELLOW
FREE™**

3-year
warranty

3-step
MacAdam

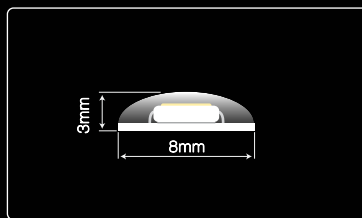


*.IES
↓



9,6W / 1m | 120° | IP65 ↓ / IP20 ↑ | SMD 3528 | 120SMD / 1m | PWM | PCB 2oz | 2,5cm/12V | 5cm/24V | 300LSE

100.000h | A+ | MAX +45°C / -20°C | House icon | III



CCT	Luminous flux/1m	Efficacy	R _a	Current/1m	Voltage	Product code
10000-13000K	800lm	83lm/W	≥80	0,8A	12V DC	240409
10000-13000K	800lm	83lm/W	≥80	0,4A	24V DC	241628
Colour	Wavelength					Product code
red	620nm	0,4A		12V DC		240416
green	520nm	0,4A		12V DC		240430
blue	465nm	0,4A		12V DC		240423
yellow	590nm	0,4A		12V DC		240447



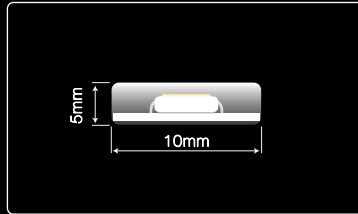
**YELLOW
FREE™**

3-year warranty
3-step MacAdam
* IES



4,8W / 1m | 0,4A / 1m | 12V DC | 120° | IP67 | SMD 3528 | 60SMD / 1m | PWM | PCB 2oz | 5cm

3M[®] | 100.000h | MAX +45°C / -20°C | III

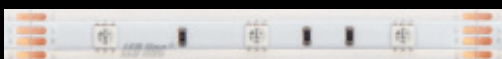


CCT	Luminous flux/1m	Efficacy	R _a	Energy class	Length	Product code
2865-3025K	400lm	83lm/W	≥80	A+	5m	241468
3900-4175K	400lm	83lm/W	≥80	A+	5m	245626
6200-6700K	400lm	83lm/W	≥80	A+	5m	241475
10000-13000K	400lm	83lm/W	≥80	A+	5m	241482

Colour	Wavelength	Length	Product code
red	620nm	5m	241499
green	520nm	5m	241505
blue	465nm	5m	241512
yellow	590nm	5m	241529

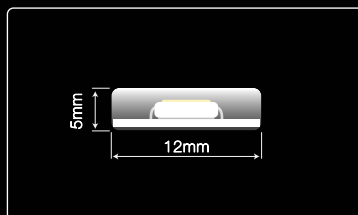
RGB

3-year warranty
YELLOW FREE™
* IES



7,2W / 1m | 0,6A / 1m | 12V DC | 120° | IP67 | SMD 5060 | 30SMD / 1m | PWM | PCB 2oz | 10cm

3M[®] | 100.000h | MAX +45°C / -20°C | III



Colour	Wavelength	Length	Product code
RGB	620 / 520 / 465nm	5m	241444

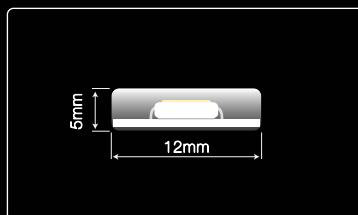
RGB

3-year warranty
YELLOW FREE™
* IES



14,4W / 1m | 1,2A / 1m | 12V DC | 120° | IP67 | SMD 5060 | 60SMD / 1m | PWM | PCB 2oz | 5cm

3M[®] | 100.000h | MAX +45°C / -20°C | III



Colour	Wavelength	Length	Product code
RGB	620 / 520 / 465nm	5m	241451



WATERPROOF

LED STRIPS

**YELLOW
FREE™**

3-year
warranty

HIGH
CRI



LONGER
LIFESPAN

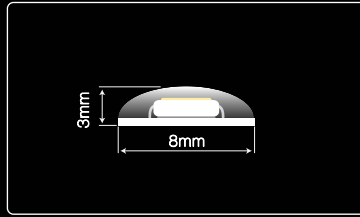


*.IES
↓



9,6W / 1m | 120° | IP65 ↓ / IP20 ↑ | CRI ≥90 | SMD 2216 | 120SMD / 1m | PWM | PCB 2OZ | 2,5cm/12V | 5cm/24V

300LSE | 100.000h | MAX +45°C / -20°C | III



CCT	Luminous flux/1m	Efficacy	Current/1m	Voltage	Length	Product code
2700-2868K	680lm	71lm/W	0,8A	12V DC	5m	249501
3900-4175K	680lm	71lm/W	0,8A	12V DC	5m	249150
6200-6700K	680lm	71lm/W	0,8A	12V DC	5m	249754
2700-2868K	680lm	71lm/W	0,4A	24V DC	5m	241574
3900-4175K	680lm	71lm/W	0,4A	24V DC	5m	241604
6200-6700K	680lm	71lm/W	0,4A	24V DC	5m	241611

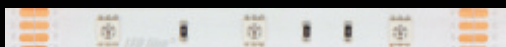


3-year
warranty

YELLOW
FREE™

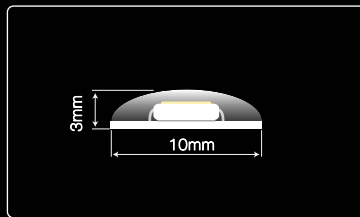


*.IES
↓



7,2W / 1m | 120° | IP65 ↓ / IP20 ↑ | SMD 5060 | 30SMD / 1m | PWM | PCB 2OZ | 10cm/12V | 16,7cm/24V | 300LSE

100.000h | MAX +45°C / -20°C | III



Colour	Wavelength	Current/1m	Voltage	Length	Product code
RGB	620 / 520 / 465nm	0,6A	12V DC	5m	240157
RGB	620 / 520 / 465nm	0,3A	24V DC	5m	241666



3-year
warranty

YELLOW
FREE™

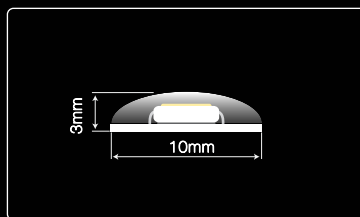


*.IES
↓



14,4W / 1m | 120° | IP65 ↓ / IP20 ↑ | SMD 5060 | 60SMD / 1m | PWM | PCB 2OZ | 10cm/12V | 16,7cm/24V | 300LSE

100.000h | MAX +45°C / -20°C | III



Colour	Wavelength	Current/1m	Voltage	Length	Product code
RGB	620 / 520 / 465nm	1,2A	12V DC	5m	240614
RGB	620 / 520 / 465nm	0,6A	24V DC	5m	241741



3-step

MacAdam

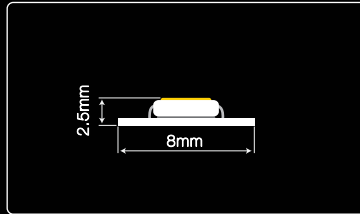
5-year warranty

*.IES



2,4W / 1m | 0,2A / 1m | 12V DC | 120° | IP20 | SMD 3528 | 30SMD / 1m | PWM | PCB 2oz | 10cm

3M[®] 300LSE | 100.000h | MAX +45°C / -20°C | House icon | III



CCT	Luminous flux/1m	Efficacy	R _a	Energy class	Length	Product code
2865-3025K	200lm	83lm/W	≥80	A+	5m	240003
3900-4175K	200lm	83lm/W	≥80	A+	5m	241826
6200-6700K	200lm	83lm/W	≥80	A+	5m	240010
10000-13000K	200lm	83lm/W	≥80	A+	5m	240027
Colour	Wavelength					Product code
red	620nm					240034
green	520nm					240058
blue	465nm					240041
yellow	590nm					240065

3-step

MacAdam

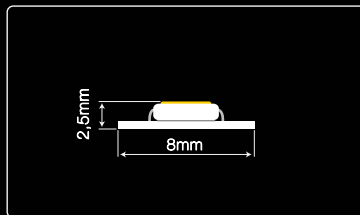
5-year warranty

*.IES



4,8W / 1m | 0,4A/12V / 1m | 0,2A/24V / 1m | 120° | IP20 | SMD 3528 | 60SMD / 1m | PWM | PCB 2oz | 5cm/12V

10cm/24V | 3M[®] 300LSE | 100.000h | MAX +45°C / -20°C | House icon | III



CCT	Luminous flux/1m	Efficacy	R _a	Energy class	Voltage	Product code(5m)	Product code(30m)
2400-2600K	400lm	83lm/W	≥80	A+	12V DC	246463	-
2865-3025K	400lm	83lm/W	≥80	A+	12V DC	240164	249419
3900-4175K	400lm	83lm/W	≥80	A+	12V DC	245602	249426
6200-6700K	400lm	83lm/W	≥80	A+	12V DC	240188	249433
10000-13000K	400lm	83lm/W	≥80	A+	12V DC	240195	249440
2400-2600K	400lm	83lm/W	≥80	A+	24V DC	240607	-
2865-3025K	400lm	83lm/W	≥80	A+	24V DC	240645	241758
3900-4175K	400lm	83lm/W	≥80	A+	24V DC	240652	241765
6200-6700K	400lm	83lm/W	≥80	A+	24V DC	240676	241789
10000-13000K	400lm	83lm/W	≥80	A+	24V DC	240690	241796
Colour	Wavelength					Product code	
red	620nm			12V DC		240201	
green	520nm			12V DC		240225	
blue	465nm			12V DC		240218	
yellow	590nm			12V DC		240232	

3-step

MacAdam

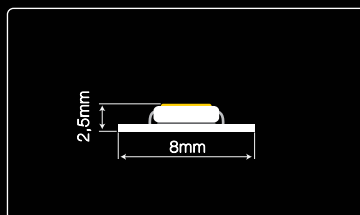
5-year warranty

*.IES



9,6W / 1m | 120° | IP20 | SMD 3528 | 120SMD / 1m | PWM | PCB 2oz | 2,5cm/12V | 5cm/24V | 3M[®] 300LSE

100.000h | MAX +45°C / -20°C | House icon | III



CCT	Luminous flux/1m	Efficacy	R _a	Energy class	Current/1m	Voltage	Product code
10000-13000K	800lm	83lm/W	≥80	A+	0,8A	12V DC	240331
10000-13000K	800lm	83lm/W	≥80	A+	0,4A	24V DC	241567
Colour	Wavelength						Product code
red	620nm				0,4A	12V DC	240348
green	520nm				0,4A	12V DC	240362
blue	465nm				0,4A	12V DC	240355
yellow	590nm				0,4A	12V DC	240379



CLASSIC

LED STRIPS

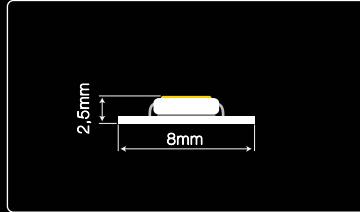


9,6W / 1m | 120° | IP20 | CRI ≥90 | SMD 2216 | 120SMD / 1m | PWM | PCB 2oz | 2,5cm/12V | 5cm/24V

3M[®] 300LSE | 100.000h | A+ | MAX +45°C / -20°C | III

5-year warranty | 3-step MacAdam

LONGER LIFESPAN | * IES



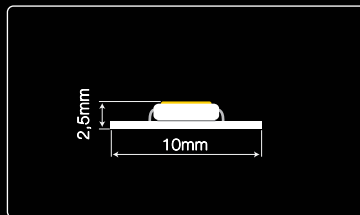
CCT	Luminous flux/1m	Efficacy	Current/1m	Voltage	Length	Product code
2700-2868K	680lm	71lm/W	0,8A	12V DC	5m	249396
3900-4175K	680lm	71lm/W	0,8A	12V DC	5m	249143
6200-6700K	680lm	71lm/W	0,8A	12V DC	5m	249402
2700-2868K	680lm	71lm/W	0,4A	24V DC	5m	241161
3900-4175K	680lm	71lm/W	0,4A	24V DC	5m	241277
6200-6700K	680lm	71lm/W	0,4A	24V DC	5m	241352



7,2W / 1m | 120° | IP20 | SMD 5060 | 30SMD / 1m | PWM | PCB 2oz | 10cm/12V | 16,7cm/24V | 3M[®] 300LSE

100.000h | MAX +45°C / -20°C | III

5-year warranty | * IES



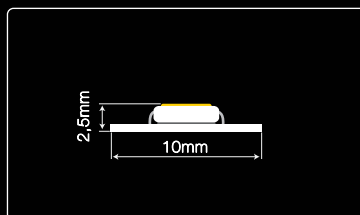
Colour	Wavelength	Current/1m	Voltage	Length	Product code
RGB	620 / 520 / 465nm	0,6A	12V DC	5m	240140
RGB	620 / 520 / 465nm	0,3A	24V DC	5m	241659



14,4W / 1m | 120° | IP20 | SMD 5060 | 60SMD / 1m | PWM | PCB 2oz | 5cm/12V | 10cm/24V | 3M[®] 300LSE

100.000h | MAX +45°C / -20°C | III

5-year warranty | * IES

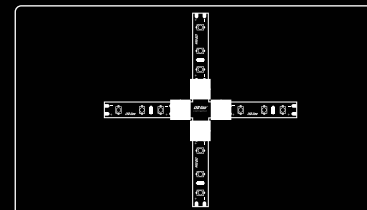


Colour	Wavelength	Current/1m	Voltage	Length	Product code
RGB	620 / 520 / 465nm	1,2A	12V DC	5m	240522
RGB	620 / 520 / 465nm	0,6A	24V DC	5m	240539



5 PIN
PCB
12mm

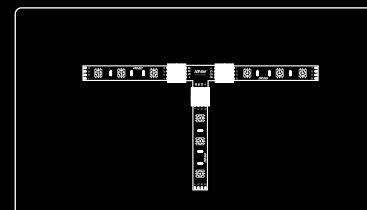
5-year warranty



Product name: CLICK corner connector for 12mm LED line® strips 5 pin type +
Product code: 247859

4 PIN
PCB
10mm

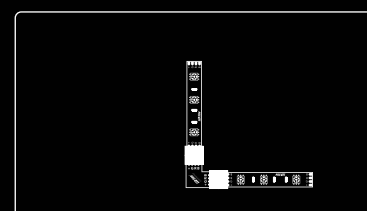
5-year warranty



Product name: CLICK corner connector for 10mm LED line® strips 4 pin type T
Product code: 246524

4 PIN
PCB
10mm

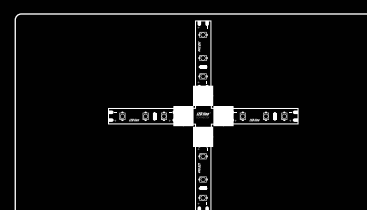
5-year warranty



Product name: CLICK corner connector for 10mm LED line® strips 4 pin type L
Product code: 246517

2 PIN
PCB
8mm

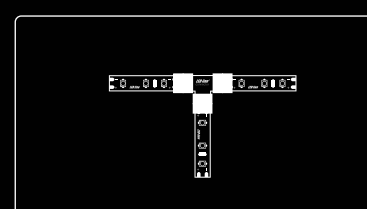
5-year warranty



Product name: CLICK corner connector for 8mm LED line® strips 2 pin type +
Product code: 246548

2 PIN
PCB
8mm

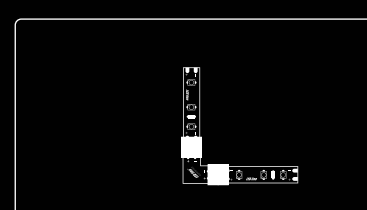
5-year warranty



Product name: CLICK corner connector for 8mm LED line® strips 2 pin type T
Product code: 246555

2 PIN
PCB
8mm

5-year warranty



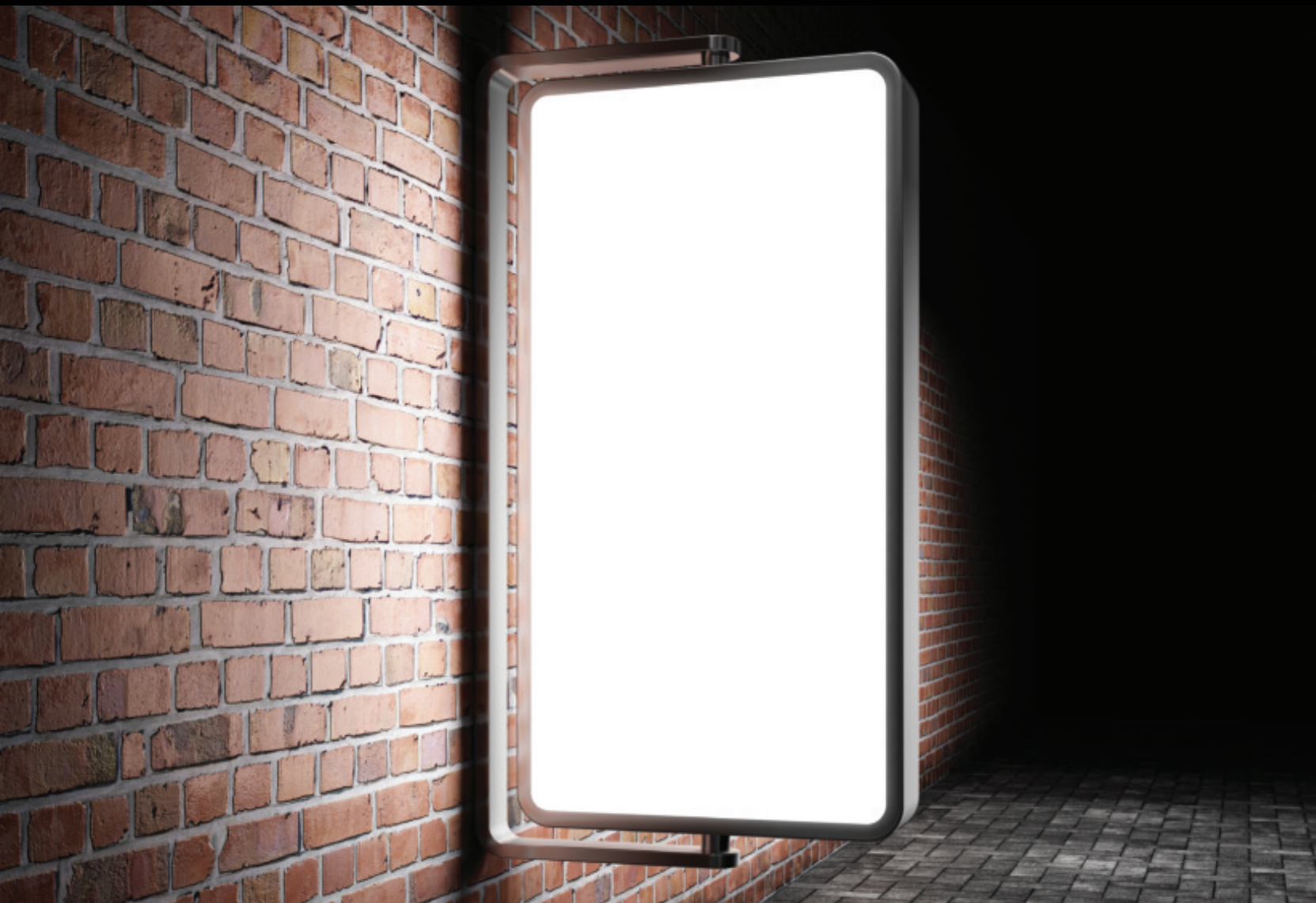
Product name: CLICK corner connector for 8mm LED line® strips 2 pin type L
Product code: 246562

LED line®



LED MODULES

Perfect choice for the advertising industry



LED provided by
OSRAM

#OPTO

83mA	12V DC	170°	IP65	PVC	Ra ≥80	1SMD 2835	PWM	70,000h	A++
MAX +55°C -40°C	Household								

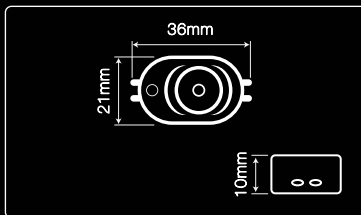


7-year warranty

95lm W



*.IES



CCT	Luminous flux	Power	Efficacy	Product code
● 6000-6500K	95lm	1W	95lm/W	243400



LED provided by
OSRAM

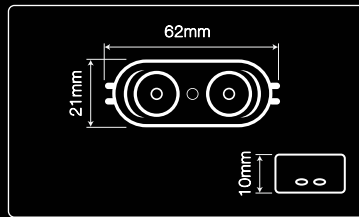
#OPTO

7-year warranty
95lm/W
*.IES



166mA 12V DC 170° IP65 PVC Ra ≥80 2SMD 2835 PWM 70.000h A++

MAX +55°C -40°C



CCT	Luminous flux	Power	Efficacy	Product code
6000-6500K	190lm	2W	95lm/W	243417

LED provided by
OSRAM

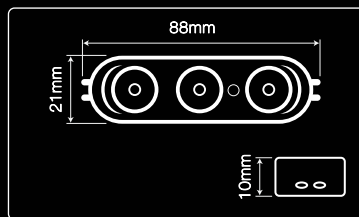
#OPTO

7-year warranty
95lm/W
*.IES



208mA 12V DC 170° IP65 PVC Ra ≥80 3SMD 2835 PWM 70.000h A++

MAX +55°C -40°C



CCT	Luminous flux	Power	Efficacy	Product code
6000-6500K	237lm	2,5W	95lm/W	243424

LED provided by
OSRAM

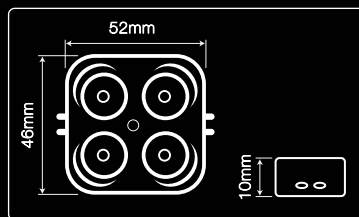
#OPTO

7-year warranty
95lm/W
*.IES



250mA 12V DC 170° IP65 PVC Ra ≥80 4SMD 2835 PWM 70.000h A++

MAX +55°C -40°C



CCT	Luminous flux	Power	Efficacy	Product code
6000-6500K	285lm	3W	95lm/W	243431



ICONOGRAPHY



wattage consumption for one metre of LED strip



current for 1 metre of LED strip



voltage range and voltage type



ingress protection rating against dust and water



LED type



LED quantity for one metre of LED strip



dimming type



amount of copper used for PCB



cutting sections of LED strip, measured in centimetres



3M™ 300 LSE double-adhesive tape



LED lifespan, measured in hours



ambient temperature range suitable for operation



for indoor use



LED strip ingress protection rating against dust and water



energy efficiency class



colour rendering index (CRI)



luminous flux per 1 LED



integrated chip type



colour rendering index (Ra)



beam angle



number of PINs per connector



the width of suitable PCB for a specific connector



current



non-flammable material



for indoor and outdoor use



the degree of protection of the device against external impacts



cover material



power factor



number of on / off cycles



IEC protection classes (class I)



IEC protection classes (class II)



IEC protection classes (class III)



non-dimmable



detection angle and detection range



sensor's stay-on time settings



sensor's detection sensitivity settings



sensor's LUX sensitivity settings



sensor's stand-by time settings



sensor's mounting height



wire thickness range



maximum suitable voltage



maximum suitable current



maximum suitable wattage



driver with option to adjust the wattage



PIR sensor



fitting type



cover shape



distance from illuminated surface



Unified Glare Rating



LGP type



possible installation methods: recessed and surface



light source diameter

- fixture's material
- installation method
- mounting hole diameter
- electrical socket included in the box
- mountable on surfaces with standard degree of flammability
- breather valve
- adjustable angle range
- product dimmable
- painting technique
- colour temperature range according to MacAdam's ellipse formula, which ensures colour consistency for the LED strip
- applicable warranty period
- photometric data files available
- high Colour Rendering Index. The higher the CRI value, the better the colours of illuminated object/surface are revealed
- extended life span
- product produces desired light from RGB colour palette
- high resistance to yellowing degeneration caused by UV radiation
- waterproof product
- luminous flux and beam angle values for specified distance from illuminated surface
- LED strip with side emitting LEDs
- high density LED strip emitting continuous line of light
- product with decreased voltage drop
- LED brand
- narrow width for easy installation
- bendable LED strip
- product produces any light from RGB+W colour palette
- programmable multicolour LED strip used for advanced lighting projections
- LED strip with adjustable colour temperature of white light within given range
- mounting bracket designed for comfortable installation
- product compatible with TUYA system
- driver brand
- no undesirable flickering effect
- product certified by Polish National Institute of Hygiene
- product resistant to external impacts
- no specialised tools required to adjust alignment of the product
- product configurable by the user
- product compatible with 1-10V dimmable drivers
- product containing graphene substrate which extends the lifespan of the LEDs and is very flexible
- vintage style product
- product with good heat dissipation qualities
- product equipped with optics focusing the beam angle of the light
- product featured with slim housing
- step dimmable product. Dimming is achieved by quickly turning the light on and off
- product with dim to warm function changes colour temperature to more warm light while dimming
- high user-safety thanks to the housing material
- product offered in the choice of 7 colours
- product with low glare factor
- mounting clips can be moved along the mounting bracket allowing the product to fit into most existing mounting holes
- no specialised tools required
- product designed for quick installation
- type of paint finish
- adjustable fixture

Luminous flux [(lm)] – is the measure of brightness of a light source in terms of energy being emitted. It is a measurement of energy released in the form of visible light from a light-producing source.

Illuminance [(lx)] – is a measure of the intensity, as perceived by the human eye, of light that hits or passes through a surface. It is equal to one lumen per square metre.

Luminous efficacy [(lm / W)] – is a measure of how well a light source produces visible light. It is the ratio of luminous flux to power, measured in lumens per watt in the International System of Units.

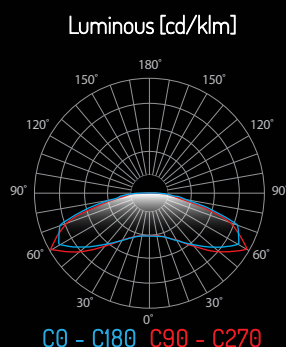
CRI / Ra [Colour rendering index] – is a quantitative measure of the ability of a light source to reveal the colours of various objects faithfully in comparison with an ideal or natural light source. Numerically, the highest possible CRI value is 100 and would only be given to a source identical to standardised daylight (sunlight with a colour temperature of 6670K). The higher the CRI value, the better the colours of illuminated object/surface are revealed. Ra is the average value of 8 colour samples, whereas CRI uses a palette of 14 colours and tends to be more accurate.

CCT [Correlated Colour Temperature or Colour Temperature] – is expressed in Kelvins [K]. It is a measure of the colour appearance of a given light source. CCT values are intended by the lighting industry to give a general indication of the apparent "warmth" or "coolness" of the light emitted by the source. According to lighting industry convention, lamps with low CCT values provide light that appears "warm," while lamps having high CCT values provide light that appears "cool."

Fixture efficiency – is the ratio of light output emitted by the luminaire to the light output emitted by its lamps $\eta = \Phi_{opr} / \Phi$

Light distribution curve – provides information on how light is emitted from a lamp or a light fixture. It is a diagram that represents a section cut through the fixture and shows the intensity of light emitted in each direction. The portion of the graph above the horizontal 90°-270° line indicates light that shines above the fixture (indirect), while the portion of the graph below represents light shining down (direct). The straight lines radiating from the centre point identify the angle of the light emitted while the circles represent the intensity

Fig. A – Light distribution curve diagram



The graph shows the distribution of light in two planes:

- In the vertical plane passing through the longitudinal axis of the fitting, plane C90-C270,
- In the plane perpendicular to the axis of the luminaire, plane C0-C180.

If the luminaire is rotational-symmetrical, the light distribution is given only in one plane C. If the light distribution is asymmetrical, the luminous intensity distribution is given in planes C at angles of 30° or even 15°. The light distribution diagram provides basic information about the shape of the luminaire's light distribution.

FLICKER – flickering is a constant fluctuation of the luminous flux from on to off. The Lighting Engineering Society (IES) has developed two parameters of quantitative flickering.

Percent Flicker – indicates the average amount of modulation or reduction in the luminous flux in one turn on and off cycle. A source of light with 100% flickering would indicate that at some point in the above on/off cycle the luminaire does not produce light, while a completely stable light would have zero percent flickering.

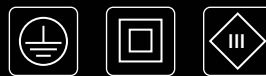
Flicker Index – it is the percentage of flickering and two other variables: the shape of the light wave or the output curve and the work cycle, which refers to the percentage time in which the light source is switched on in a single on and off cycle. The lower the flicker percentage and the flicker indicator, the less the source fluctuates.

UGR (glare) – is a method of calculating glare, bright light sources, from luminaires. The UGR rating helps to determine how likely a luminaire is to cause discomfort to those around it. UGR is not a standalone technical parameter of the luminaire – it rather indicates what UGR rating is to be achieved in a lighting project with given parameters using a given luminaire.

Protection against mechanical impact (IK rating) – are an international numeric classification to indicate the degrees of protection provided by light fixtures against external mechanical impacts. It provides a means of specifying the capacity of a fixture (luminaire) to protect its parts (components) from external impacts. The range of protection is measured on the scale from 00 (no protection) up to 10 (impact resistance against 20J). The higher the numerical value of the IK parameter, the greater the mechanical protection of the given device.

IK rate	Impact energy	Impact equivalent
00	0 J	no protection
01	0.15 J	impact of a 200g mass dropping from 7.5 cm height
02	0.20 J	impact of a 200g mass dropping from 10 cm height
03	0.35 J	impact of a 200g mass dropping from 17.5 cm height
04	0.50 J	impact of a 200g mass dropping from 25 cm height
05	0.70 J	impact of a 200g mass dropping from 35 cm height
06	1 J	impact of a 500g mass dropping from 20 cm height
07	2 J	impact of a 500g mass dropping from 40 cm height
08	5 J	impact of a 1700g mass dropping from 29.5 cm height
09	10 J	impact of a 5000g mass dropping from 20 cm height
10	20 J	impact of a 5000g mass dropping from 40 cm height

IEC protection class – this is an international standard set up by the International Electrotechnical Commission defining the protective-earth connection requirements for electronic devices. In other words, the protection class defines the means that should be adopted to ensure protection against electric shock. However, it is not in any extent a measure relating to the safety of the given product. The classification is set out in the PN-EN 61140: 2005 regulations. In summary, there are four classes of protection: 0, I, II, III. Protection classes are illustrated with symbols, except for protection class 0, which has no symbol and therefore no protective-earth connection whatsoever. The symbols are shown in the below picture.



IES (photometric file) – A file with the IES file extension is an IES Photometric file that stands for Illuminating Engineering Society. They are plain text files that contain data on light for architectural software (e.g. DIALUX, RELUX) that can simulate light. These files describe how various structures are affected by the product and illustrate how to display the correct lighting patterns on the chosen area.

Ingress Protection (IP) – IP protection class classifies and rates the degree of protection provided against ingress of body parts, solid objects, dust, water or other liquids to the inside of the luminaire. Depending on the degree of protection, the device may be dedicated to work in various conditions. This table below shows what each digit or part of the IP code represents.

First digit: protection against the ingress of solid objects (according to PN-EN 60529: 2003)

Number	Protection level
0	no protection
1	protection against contact with hazardous parts with a back of a hand protection against solid objects with a diameter of 50mm or more
2	protection against contact with hazardous parts with a finger protection against solid objects with a diameter of 12.5mm or more
3	protection against contact with hazardous parts with tools, tick wires, etc. protection against solid objects with a diameter of 2.5mm or more
4	protection against contact with hazardous parts with most wires, slender screws, etc. protection against solid objects with a diameter of 1mm or more
5	protection against contact with hazardous parts with wires dust protected – ingress of dust not entirely prevented (some ingress shall not have a harmful effect on the operation of the luminaire)
6	protection against contact with hazardous parts with wires dust tight – full protection against ingress of dust

Second digit: protection against the ingress of liquids (according to PN-EN 60529: 2003)

Num.	Protection level
0	no protection
1	protection against water drops
2	protection against water drops when tilted at 15° (vertical dripping shall have no harmful effect on the operation of the luminaire)
3	protection against spraying water at any angle up to 60° from the vertical
4	protection against splashes of water from any direction
5	protection against a water jet (12.5 litre per minute) poured onto the housing from any direction
6	protection against a powerful water jet (100 litre per minute) poured into the housing from any direction
7	protection against the short immersion in water (30 minutes up to 1m of submersion)
8	protection against the continuous immersion in water (housing permanently submerged in water as per the conditions agreed between the producer and the user, but the depth should be greater than at IP7 above)
9	protection against powerful high temperature and high pressure water jets (80-100 bar and temperature + 80° C) in accordance with DIN 40050

Additional letters (according to PN-EN 60529: 2003)

Letter	Degree of protection
A	protection against access to dangerous parts with the front of hand
B	protection against access to dangerous parts with a finger
C	protection against access to dangerous parts with a tool
D	protection against access to dangerous parts with a wire

Supplementary letters (according to PN-EN 60529: 2003)

Letter	Meaning
H	high voltage equipment
M	device moving during water test
S	device standing still during water test
W	Device is suitable for use under certain weather conditio

PWM (pulse-width modulation) - a method of controlling and regulating electric current or voltage signal of constant amplitude and frequency by changing the value of the current or voltage fed to the load. The average value of voltage (and current) fed to the load is controlled by turning the switch between supply and load on and off at a fast rate. The longer the switch is on compared to the off periods, the higher the total power supplied to the load.

1-10V (analogue control) - this is a system in which by controlling input voltage the user adjusts the output power level of the device. The control voltage is independent of the device power supply voltage. The value of 10V corresponds to 100% of the output power. The value of 1V corresponds to 5-10% of the output power.

Oz (ounce) - amount of Cu (copper) used in the production of PCB laminate. Copper is a very good conductor of heat and electricity. The greater amount of copper used on the laminate guarantees higher voltage and current stability as well as thermal resistance, which allows for the longer life span of LED light sources.

PMMA (poly methyl methacrylate) known as acrylic glass - material used for the production of lamps' covers and diffusers. This material is highly resistant to UV radiation which prevents the diffuser from yellowing (the diffuser remains pure white for many years of use). It also has a very good visible light transmission of 92%. The material is also easily recyclable.

PC (polycarbonate) - material used in the construction of LED luminaires. It has an excellent mechanical properties and is particularly resistant to mechanical impact. Compressive strength is similar to aluminium. Visible light transmission is at 90%.

Tempered glass - type of safety glass processed by controlled thermal or chemical treatments to increase its strength compared with normal glass. It is used in the production of lampshades and diaphragms in LED fittings. It has three times greater resistance to mechanical damage compared to ordinary glass. Tempered glass has much higher thermal resistance than standard glass and, when broken, the glass crumble into small granular chunks instead of splintering into jagged shards as plate glass.

LGP (LIGHT GUIDE PLATE) - material with a matrix of lines reflecting the light into the diffuser. This solution is dedicated for edge-lit luminaires.

PF (power factor) - the power factor of an AC electrical power system is defined as the ratio of the real power absorbed by the load to the apparent power flowing in the circuit. In simple terms, it determines what part of the energy taken from the electrical network will be used effectively by the device. A power factor of less than one indicates the voltage and current are not in phase, reducing the instantaneous product of the two (reactive power). This causes undesirable heat emission.

Functionality parameter	Requirement as from stage 1, except where indicated otherwise
Lamp power factor (PF) for lamps with integrated control gear	$P \leq 2 \text{ W}$: no requirement $2 \text{ W} < P \leq 5 \text{ W}$: PF > 0,4 $5 \text{ W} < P \leq 25 \text{ W}$: PF > 0,5 $P > 25 \text{ W}$: PF > 0,9

L70B50 - This parameter indicates the time in hours after which 50% of a population of LEDs parametrically reduced their lumen output, in a gradual way, and provides less than 70% of lumen output compared to the initial (original) luminous flux. A luminous flux lower than the lumen maintenance factor (expressed by Lx value) is called a "parametric failure" because the product produces less light, but remains working. By way of illustration, the life span marked as L70B50 50000h tells us that after a period of 50000 hours, 50% (B50) of a population of LEDs (which a given LED lamp is equipped with) provide up to 70% (L70) of the initial light output. Due to the fact that the temperature has a significant influence on the Lumen Maintenance Factor(Lx) it is necessary to give indication for the ambient temperature at which the life span of LxBy was determined.

SVM - The SVM is a method used to quantify the stroboscopic effect visibility in general illumination application. SVM is defined by measuring the visibility threshold of light waveforms modulated at several frequencies and uses Fourier analysis to convert the wavelength shape of the light intensity. The stroboscopic effect can cause an impression of slowness, stopping or even reversal of the direction of movement of an object, which can lead to various accidents.

PstLM - This is a short-term flicker perceptibility measurement and is used to measure visible light caused by modulation in the frequency range from 0.3 Hz to 80 Hz.

A value of PstLM = 1 means that the average observer has a 50% probability of detecting flickering (flickering = variations in light output over time from a light source).

