

Power of
Technology
& Innovation will
bring significant
Tangible &
Intangible
savings



Product Catalogue



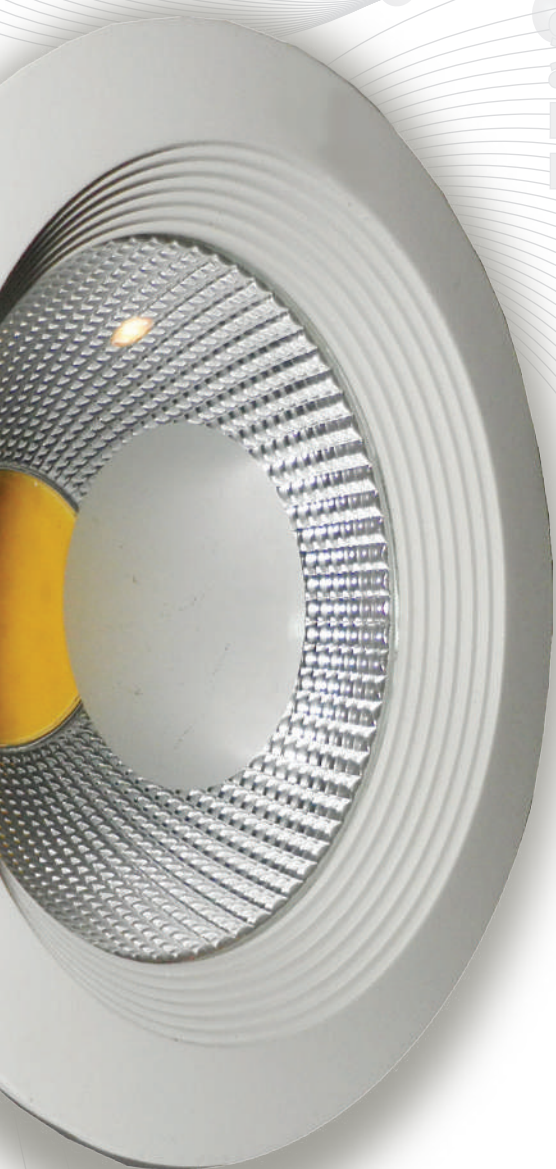
COMMERCIAL LUMINAIRES

With the current global economic and energy-usage trends it is projected that global demand for artificial light will be 80% higher by 2030

Global lighting saving potential is more than
50%

SUSTAINABLE ENERGY IS WITHIN
OUR REACH.

Let's built a Sustainable Energy Future
ENERGY EFFICIENCY
is the way to go.....



Technology which Cares.



Making Workplace Safer:

MAXIMUS strive and adhere to best practices & guidance to customers on complying with relevant regulatory safety standards, encouraging a more professional approach and improved services for safety.



Relevance, Functionality & Performance:

MAXIMUS business philosophy drives us to respond to our customer requests of higher efficient products built strictly on international accepted standards and designed for better performance for today and future.



GREEN INITIATIVE

Eco friendly Products & Going Green:

MAXIMUS insists on "Going green" which means to pursue knowledge and practices that can lead to more environmentally friendly and ecologically efficient products, which essentially uses environmentally-friendly plastic / metal components that is biodegradable and low in toxicity & help protect the environment and sustain its natural resources for current and future generations.

FACT SHEET About LED



The development of LED has been rapid and is considered by many to be the future of lighting. With promises of increased energy efficiency, extended lifespan and the associated environmental benefits, it's really no surprise it is the subject on everybody's lips and talking subject in the lighting industry.

By taking this approach, we hope to provide an overview of the technology and how it can be implemented within a retail lighting scheme.

An LED consists of a semiconductor with coating on a small plate which, depending on the material used, emits different types of light when a current is passed through the diode. The light emitted is the result of a physical phenomenon known as electroluminescence.

1. What is LED?

LED stands for Light Emitting Diode. An LED is not a traditional light source; it is a semiconductor that emits light. Nor is it a "new technology". As early as 1927 a Light Emitting Diode was presented in a Journal by the Russian scientist Oleg Vladimirovich Losev and it was the first report to be widely circulated. The first LED with a visual spectrum was developed in 1962 by Nick Holonyak Jr, who is often seen as the "father of the light-emitting-diode".

2. How does it work?

In a normal incandescent light bulb, you can use either a direct current (DC), or an alternate current (AC). An LED is a semiconductor and only uses the direct current, which necessitates the polarity also being in the right direction. This principle is referred to as forward voltage. If the polarity is wrong, or backwards, nothing will happen, similar to the same principle as a non-return valve in a water pipe. When the forward current flows through the diode, the electrons fall into holes with lower energy levels, or junctions, releasing energy in the form of photons; light radiation.

3. Is LED a sustainable light source?

LED is a sustainable light source due to its high efficacy and long life potential. Well-engineered LED sources can deliver products with a system efficacy of more than 80 lumens per watt in a high quality warm white light (including losses accrued through the driver and thermal management). LED products are capable of extremely long lives when engineered correctly.



4. Can I change the light source into an LED and keep the fixture?

Yes, plenty of retrofit LED lamps are available and with right knowledge of traditional lighting and LED lamps it is feasible to convert traditional luminary to LED luminary.

5. How will LED develop in the near future?

An enormous increase in efficiency to ~150 lm/W is anticipated at component level and a reduction in the price to less than €1.5 for 100 lm in 2015. LEDs in the future will also differ from their 2012 counterparts in terms of higher driving current and densities, standardization and a large number of application oriented products for different environments.

6. How can I integrate LED into my existing lighting solution?

That depends on what type of lighting solution there is. While it is possible, it is not always the most efficient way to do it. Often it will require a complete overhaul of the lighting solution as simply retrofitting the luminaires can compromise the light quality.

7. How can I have the same rendering with LED as with my current technology?

With existing technology, the only way to achieve this is by using a module with a large number of LEDs with different wavelengths to cover the entire visual spectrum. This approach is not only costly but it also places high demands on heat management and space.

8. Why is LED expensive?

LEDs are still being produced in relatively small volumes compared to other materials (e.g. silicon wafers) and, consequently, don't enjoy the same economies of scale. Increasing the global LED volume and capacity is key to decreasing their cost and delivering lower price for a given light output. In addition, a good LED product requires significant additional engineering to ensure reliability and consistency of performance.

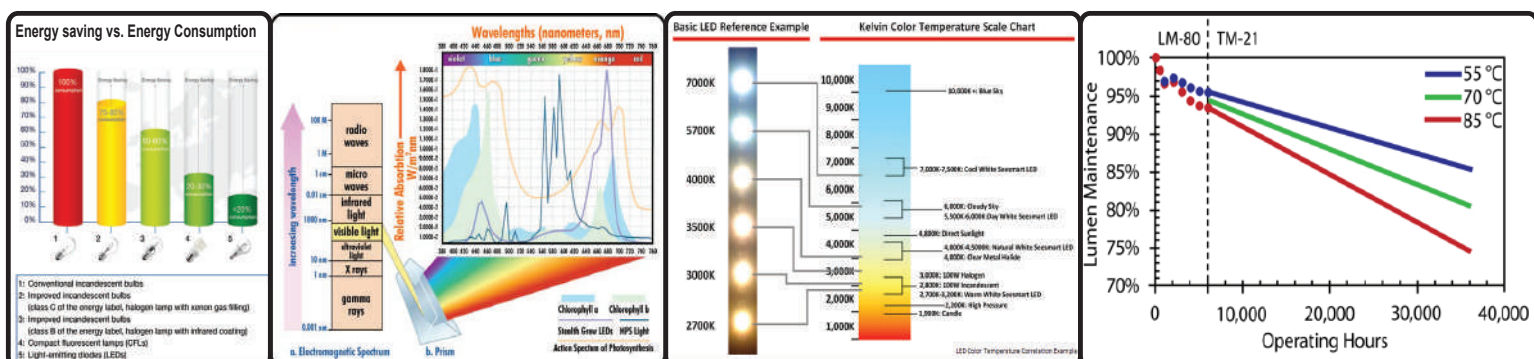
9. How is the LED light source recycled?

LED light sources are essentially electronic components consisting of PCB materials, diodes, semiconductors etc, so the methods used are the same as traditional electronics. They have to be collected separately from household waste and must to be treated like standard electronic equipment.

10. How long is the lifetime of an LED and its driver?

The manufacturers of LED's and their drivers claim 50,000 hours, defined as the LED operating at more than 70% of its output. While this is not a formal standard, it is the level, or criteria, being used throughout the lighting industry.

Thermal Management	Unlike Traditional incandescent lighting, LED Lamps require conductive cooling. While LEDs run cooler than most other lighting technologies, it is a common misconception that they run without generating heat. While LEDs will not burn skin like some lighting products, only 20 to 30 percent of the power created by white LEDs is actually converted into visible light (lumen); the rest 70 to 80 percent, is converted to heat. Excess heat affects both the short-and long term performance of LEDs. Operating an LED at high temperature results in lower initial light output and a much shorter life. The failure rate for most electronic components will double for 10 degree Celsius increase in temperature, Manufacturer are looking at 3 different areas to improve the thermal performance of LEDs, these are i) Substrate Materials, ii) Interface Materials and iii) Heat sinks.
LED Droop	LEDs operate most efficient at low currents: as the current increases, efficiency is reduced by a mysterious droop effect. Scientist have long theorized the root cause of this effect. Droop reduction has been identified as one of the keys to improving efficiencies, Generating increased Lumen outputs, and reducing the cooling requirements for LED lamps and luminaires Researchers at the University of California, Santa Barbara and colleagues at the Ecole Polytechnique in France now claim they have identified "auger recombination" as the mechanism that causes LEDs to be less efficient at high drive currents knowledge gained from this study is expected to result in new way to design LEDs that could have significantly higher light emission efficiencies. LEDs have enormous potential for providing long-lived high quality efficient sources of lighting for residential and commercial applications.
Dimming	In theory, LEDs are easily and fully dimmable, because unlike fluorescent light sources there is nothing inherent in their makeup that would impede the dimming process. LED lighting products are therefore often touted as fully dimmable, but that claim is frequently contradicted by real- world experience, especially with face-cut dimmer, which were designed for incandescent lighting and thus can be incompatible with LED drivers. The Industry is aware of the problems associated with dimming LED light sources and is addressing them with new standards. The DOE has supported efforts led by the NEMA to develop manufacturer dimming guidance and standard for SSL.
Driver Efficiency	LEDs require a driver that is comprised of both a power source and electronic control circuitry. Most drivers convert line voltage to low voltage and current from AC to DC, and may also include supplementary electronics for dimming and/ or color correction. The LED drivers that currently available are typically about 85% efficient, with some improvement projected.
Binning and Color Consistency	Binning is a term used to described the categorizing of LED chips by quality. When LED dies are manufactured, they are essentially punched out from one larger "master" chip. At the center of this 'master chip' there is generally a higher concentration of phosphors and this generally leads to better light output and higher lumens compared to chips from the edge of the master chip. Effective binning processes are not only costly, but can also increase the lead time on the delivery of LED die orders. In 2008, ANSI and NEMA collaborated to established new binning standards which have become a minimum requirement for Energy Star certification.
Energy Intensive Production Process	The LED production process is energy intensive and although the end products do not generally contain hazardous chemicals, the manufacturing process does. Moreover, the majority of LEDs are produced in countries with significantly lower standards regarding labor rights and environmental standards.
Temperature Dependence	LED performance largely depends on the ambient temperature of the operating environment. Most manufacturer' published ratings of LEDs are for an operating temperature of 25 degree Celsius. Over- driving the LED in higher ambient temperatures may result in overheating of the system, eventually leading to device failure. By contrast LED light output rises at lower temperatures, leveling off, depending on type, at around-30 degree Celsius. However, because they emit little heat, ice and snow may build up on the LED luminaire in colder climate.
System Complexity can Impact Reliability	LED lamps and Luminaires systems include many components, such as the driver, optics, housing and thermal management in addition to the LEDs. A critical failure can occur in any of these components, which means it is not easy to measure the overall system reliability and lifetime, which are important to end users. In fact, a study by Appalacian Lighting Systems concluded that more then 90% of Luminaire failures were due to something other than the LED itself, with 52% of failures occurring at the driver level. Standardization and Improved testing regimes are helping to alleviate these issues.



6-8 MXLDDL 1051..



9-13 MXLDDL 1153..



14-15 MXLDDL 05..



16-17 MXLDDL 06-07..



18-19 MXLDDL 08..



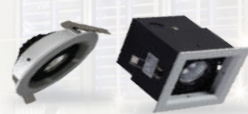
20-21 MXLDDL 12..



22-28 MXLDTRL 01-02-03..



29-31 MXLDGRL 01-02..



32-33 MXLDDL 14-15..



34-35 MXLDDL 01-04..



36-37 MXLDPL ..



38-39 MXLDCL 1001..



40-41 MXLDBL 01..



42-43 MXLDDL 02-03 ..



44-45 MXLDDL 02GL-03GL ..

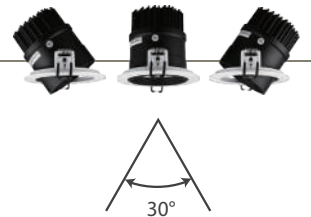




Product Description

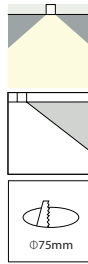
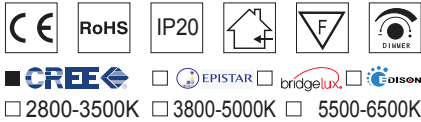
- Ideal down light, precision reflector, adjustable ring provides 30° projection angle
- Efficient heat dissipating heat sink made of pure Aluminium through cold forging process.
- High performance COB with high CRI (Ra>80)

Tilt Option

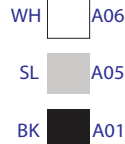


▲ Adjustable mid-ring provides $\pm 30^\circ$ projection angle.





Color

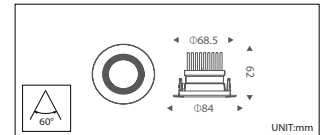


MXLDDL 1051 301

Light source :	COB
Power :	5W / 7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	300lm / 410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	10V / 18V / 28V
Output current	420mA / 350mA / 350mA

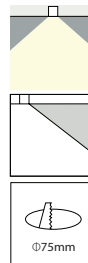
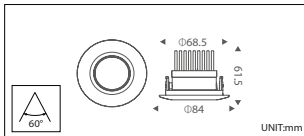


MXLDDL 1051 302

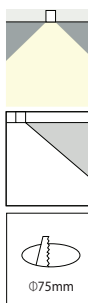
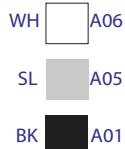
Light source :	COB
Power :	5W / 7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	300lm / 410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

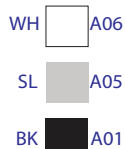
Output voltage :	10V / 18V / 28V
Output current	420mA / 350mA / 350mA



Color



Color

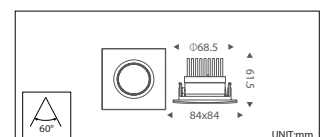


MXLDDL 1051 303

Light source :	COB
Power :	5W / 7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	300lm / 410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	10V / 18V / 28V
Output current	420mA / 350mA / 350mA

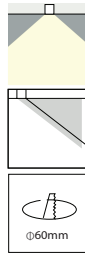
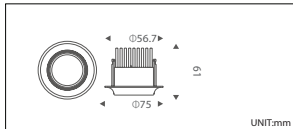


MXLDDL 1051 304

Light source :	COB
Power :	5W / 7W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	300lm / 410lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	10V / 18V
Output current	420mA / 350mA

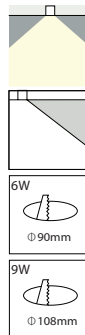
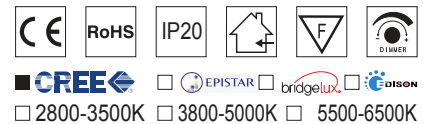


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01



Color

WH ☐ A06

SL ☐ A05

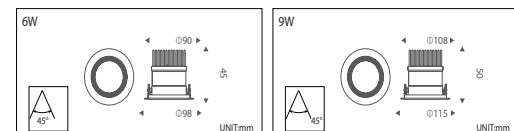
BK ☐ A01

MXLDDL 1051 311 6/9W RD/SQ

Light source :	COB
Power :	6W / 9W
Beam angle :	45°
Color temperature :	3000K / 4000K
Light output :	500/ 750lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	30,000H

LED driver (include)

Output voltage :	36V
Output current	480mA

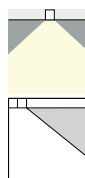
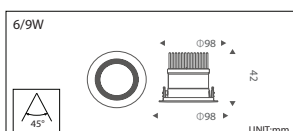


MXLDDL 1051 321 6W RD/SQ

Light source :	COB
Power :	6W / 9W
Beam angle :	45°
Color temperature :	3000K / 4000K
Light output :	500/ 750lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	30,000H

LED driver (include)

Output voltage :	36V
Output current	480mA



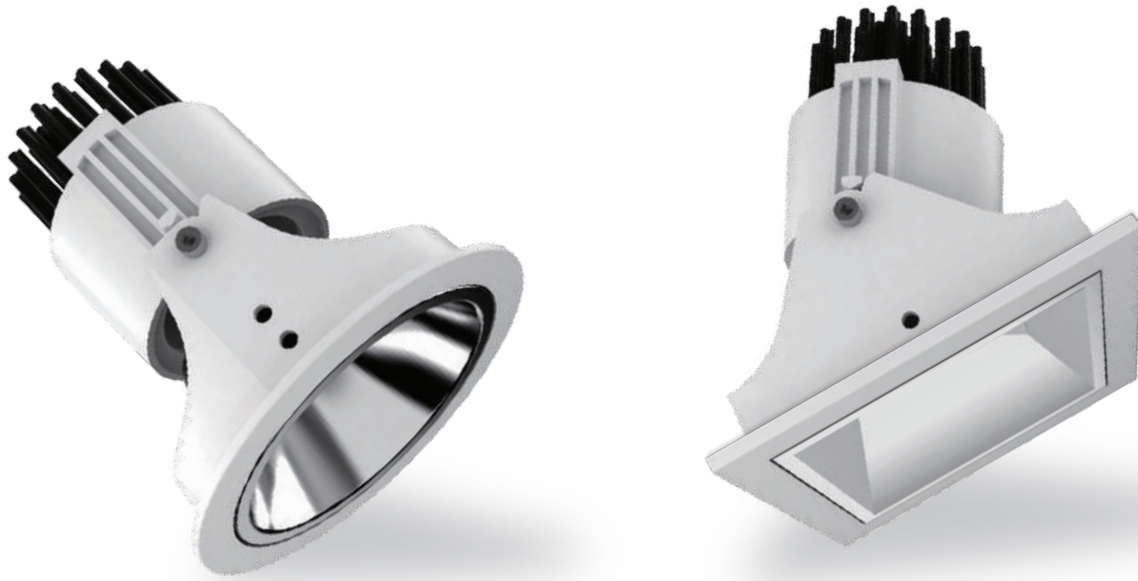
Color

WH ☐ A06

SL ☐ A05

BK ☐ A01





Product Description

-  Integrated architectural design, antiglare light distribution to create general and accent lighting solutions in retail environments such as malls, departments stores, hotel, fashion shop.
-  High quality and precision designed PMMA lens.
-  High performance COB, high CRI (Ra>80)
-  This range is suitable for gypsum plaster board ceilings and metal ceilings

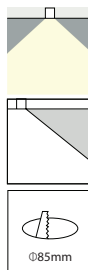
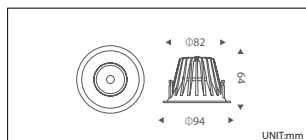


MXLDDL 1153 311

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA



Color

WH ☐ A06

SL ☐ A05

BK ☐ A01

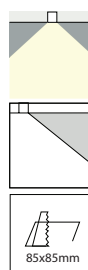


MXLDDL 1153 312

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA

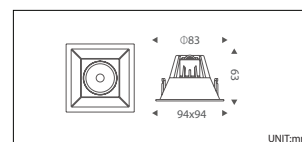


Color

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BK ☐ A01

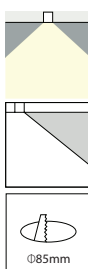
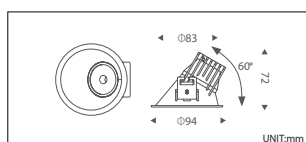


MXLDDL 1153 313

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA



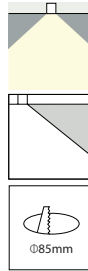
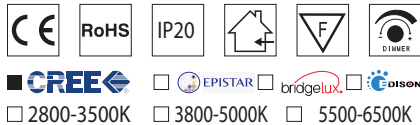
Color

WH ☐ A06

SL ☐ A05

BK ☐ A01





Color

WH ☐ A06

SL ☐ A05

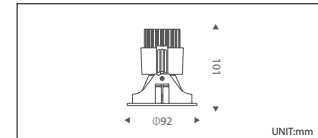
BK ☐ A01

MXLDDL 1153 321

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA

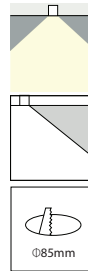
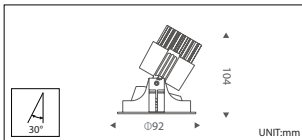


MXLDDL 1153 322

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA

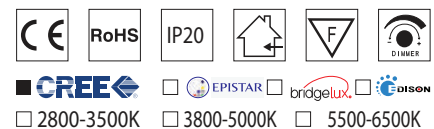


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01

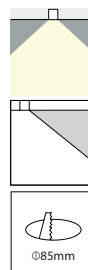
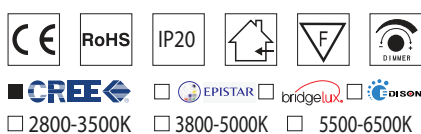
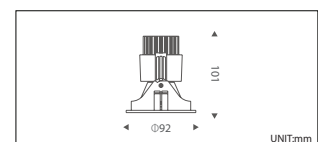


MXLDDL 1153 323

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA



Color

WH ☐ A06

SL ☐ A05

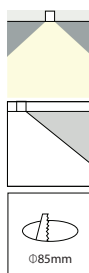
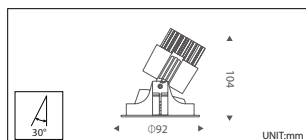
BK ☐ A01

MXLDDL 1153 324

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current	350mA



Color

WH ☐ A06

SL ☐ A05

BK ☐ A01

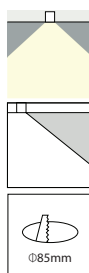
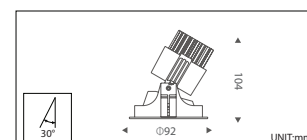


MXLDDL 1153 325

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current	350mA



Color

WH ☐ A06

SL ☐ A05

BK ☐ A01

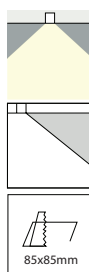
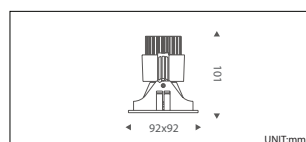


MXLDDL 1153 331

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current	350mA



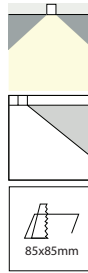
Color

WH ☐ A06

SL ☐ A05

BK ☐ A01





Color

WH ☐ A06

SL ☐ A05

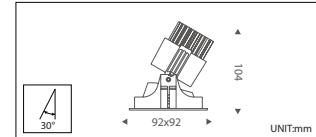
BK ☐ A01

MXLDDL 1153 332

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C-+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA

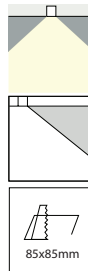
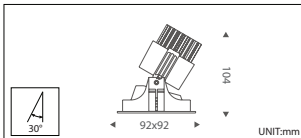


MXLDDL 1153 333

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C-+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA

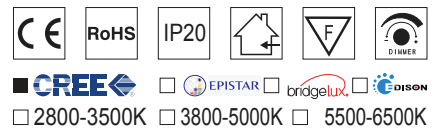


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01



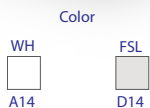
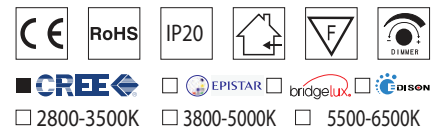
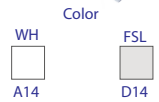


Product Description

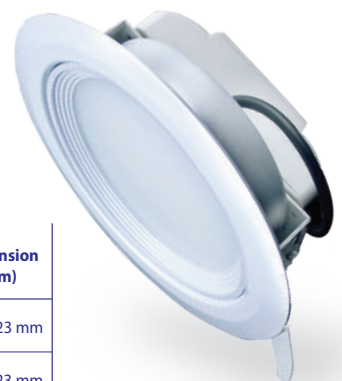
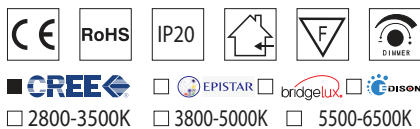
- Ultra thin integrated design, back lite high lumen output LED. High performance COB, high CRI (Ra>80)
- High purity aluminium body with PS diffuser for uniform light distribution.
- Architectural design, antiglare light distribution to create general and accent lighting solutions in retail environments such as malls, departments stores, hotel, fashion shop.
- This range is suitable for gypsum plaster board ceilings and metal ceilings



Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL 05 3W CDL/WW	3W	AC85-256V	180-210 lm	>70Ra	110D	2800K-6500K	φ75	φ90*54 mm
MXLDDL 05 5W CDL/WW	5W	AC85-256V	300-350 lm	>70Ra	110D	2800K-6500K	φ75	φ90*54 mm
MXLDDL 05 7W CDL/WW	7W	AC85-256V	300-350 lm	>70Ra	110D	2800K-6500K	φ90	φ115*63 mm



Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL 05 8W CDL/WW	8W	AC85-256V	360-420 lm	>70Ra	110D	2800K-6500K	φ100	φ126*23 mm
MXLDDL 05 10W CDL/WW	10W	AC85-256V	480-560 lm	>70Ra	110D	2800K-6500K	φ120	φ152*23 mm
MXLDDL 05 12W CDL/WW	12W	AC85-256V	700-800 lm	>70Ra	110D	2800K-6500K	φ120	φ152*23 mm
MXLDDL 05 15W CDL/WW	15W	AC85-256V	1000-1200 lm	>70Ra	110D	2800K-6500K	φ160	φ186*23 mm



Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL 05 20W CDL/WW	20W	AC85-256V	1400-1600 lm	>70Ra	110D	2800K-6500K	φ180	φ215*23 mm
MXLDDL 05 25W CDL/WW	25W	AC85-256V	1700-2000 lm	>70Ra	110D	2800K-6500K	φ180	φ215*23 mm
MXLDDL 05 30W CDL/WW	30W	AC85-256V	2100-2400 lm	>70Ra	110D	2800K-6500K	φ210	φ240*23 mm



Product Description

-  Decorative architectural design, antiglare light distribution to create general and accent lighting solutions in retail environments such as malls, departments stores, hotel, fashion shop, office space and residence.
-  High quality and precision designed PMMA diffuser with high transparency and uniform light distribution.
-  High performance SMD, high CRI ($R_a > 80$) and efficient heat dissipating design.
-  This range is suitable for gypsum plaster board ceilings and metal ceilings.

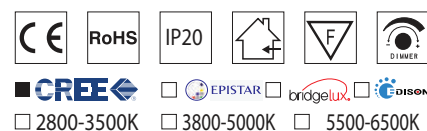




Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL 06 3W CDL/WW	3W	AC85-256V	180-210 lm	>80Ra	85D	2800K-6500K	φ80	φ98*74 mm
MXLDDL 06 6W CDL/WW	6W	AC85-256V	380-450 lm	>80Ra	85D	2800K-6500K	φ90	φ107*82 mm
MXLDDL 06 8W CDL/WW	8W	AC85-256V	525-600 lm	>80Ra	85D	2800K-6500K	φ95	φ117*92 mm
MXLDDL 06 10W CDL/WW	10W	AC85-256V	700-750 lm	>80Ra	85D	2800K-6500K	φ105	φ127*102 mm
MXLDDL 06 12W CDL/WW	12W	AC85-256V	825-900 lm	>80Ra	85D	2800K-6500K	φ125	φ146*119 mm

Color

WH A14 FSL D14

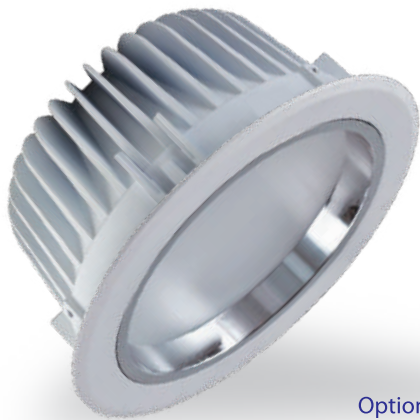


Color

WH A14 FSL D14

Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL 07 3W CDL/WW	3W	AC85-256V	180-210 lm	>80Ra	85D	2800K-6500K	φ80	φ98*74 mm
MXLDDL 07 6W CDL/WW	6W	AC85-256V	380-450 lm	>80Ra	85D	2800K-6500K	φ90	φ107*82 mm
MXLDDL 07 8W CDL/WW	8W	AC85-256V	525-600 lm	>80Ra	85D	2800K-6500K	φ95	φ117*92 mm
MXLDDL 07 10W CDL/WW	10W	AC85-256V	700-750 lm	>80Ra	85D	2800K-6500K	φ105	φ127*102 mm
MXLDDL 07 12W CDL/WW	12W	AC85-256V	825-900 lm	>80Ra	85D	2800K-6500K	φ125	φ146*119 mm





Available with drop-glass , frosted rim, clear center.

Optional connection design for different requirement.

Product Description

- Decorative architectural design, antiglare light distribution to create general and accent lighting solutions in retail environments such as malls, departments stores, hotel, fashion shop, office space and residence.
- High quality and precision designed PMMA diffuser with high transparency and uniform light distribution.
- High performance SMD, high CRI ($R_a > 80$) and efficient heat dissipating design.
- This range is suitable for gypsum plaster board ceilings and metal ceilings.

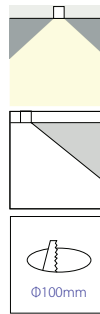
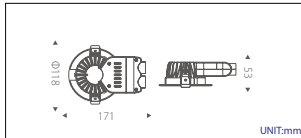


MXLDDL 08 10W CDL/WW

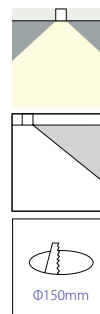
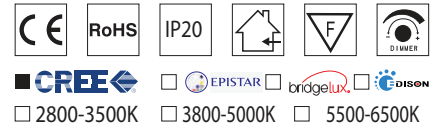
Light source :	SMD
Power :	10W
Beam angle :	85°
Color temperature :	3000K / 4000K / 6000K
Light output :	650lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	31V
Output current	260mA



Color
WH ☐ A06



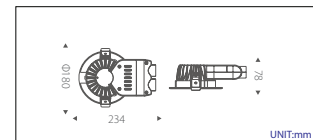
Color
WH ☐ A06

MXLDDL 08.1 15/20W CDL/WW

Light source :	SMD
Power :	15W / 20W
Beam angle :	85°
Color temperature :	3000K / 4000K / 6000K
Light output :	1100lm / 1400lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	40V / 63V
Output current	260mA

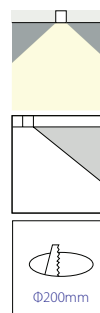
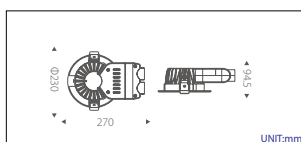


MXLDDL 08 20/30/40W CDL/WW

Light source :	SMD
Power :	20W / 30W / 40W
Beam angle :	85°
Color temperature :	3000K / 4000K / 6000K
Light output :	1500lm / 2200lm / 3000lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	63V / 63V / 50V
Output current	260mA / 400mA / 700mA



Color
WH ☐ A06

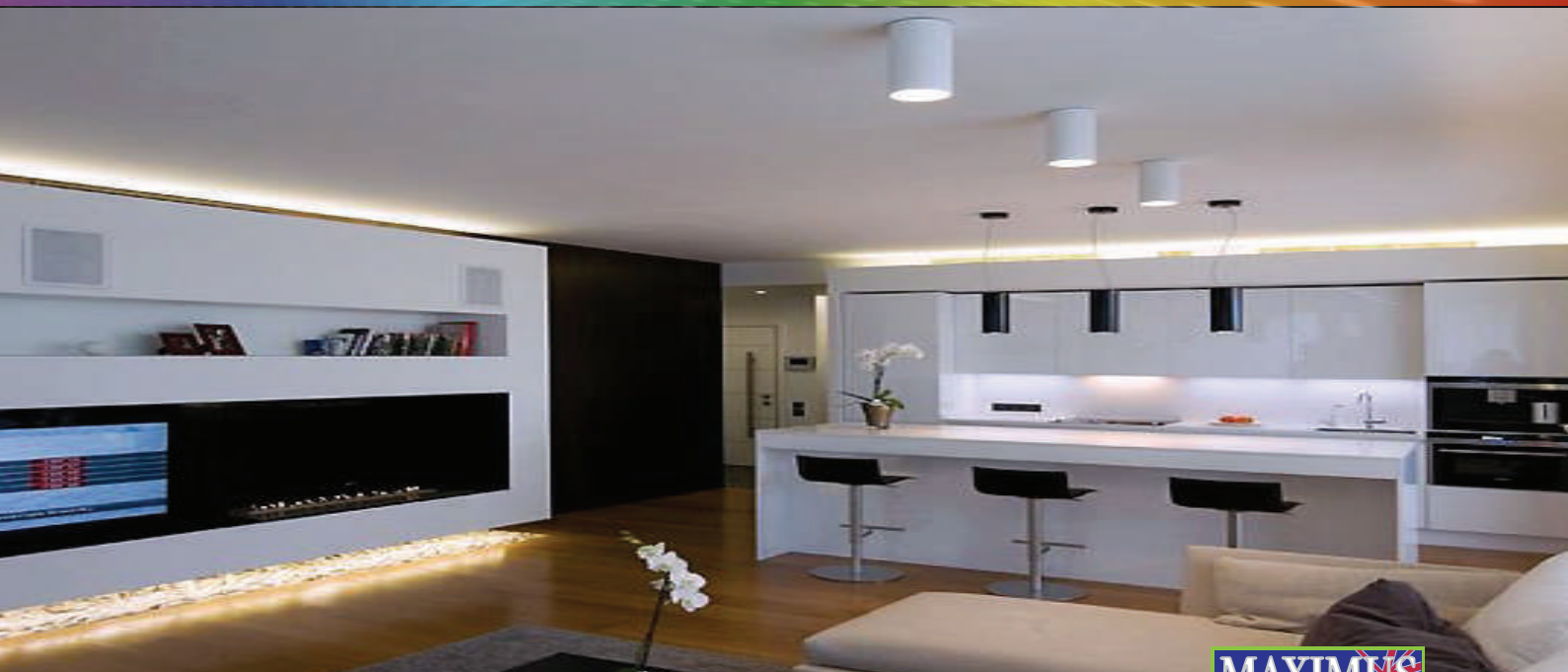


MXLDDL 08.2 - Available with drop-glass, frosted rim, clear center



Product Description

- Integrated architectural design, high beam light distribution to create general and accent lighting solutions in retail environments such as malls, departmental stores, hotel, fashion shop.
- High quality and precision designed PMMA lens.
- High performance COB, high CRI (Ra>80)
- This range is suitable for surface mounting and pendant installation.



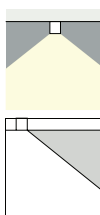
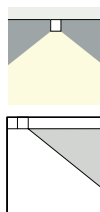
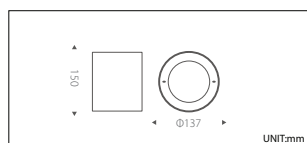
MXLDDL 12 18W CDL/WW

ADD L after 12 for white color body and black ring (inside).
 ADD W after 12 for white color body and white ring (inside).
 ADD B after 12 for black color body and black ring (inside).

Light source :	COB
Power :	18W
Beam angle :	27° / 40° / 60°
Color temperature :	3000K / 4000K
Light output :	1050lm
Color rendering index :	Ra≥80

LED driver (include)

Output voltage :	36V
Output current	480mA



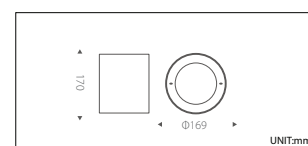
MXLDDL 12 30W CDL/WW

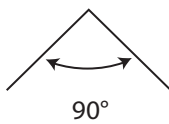
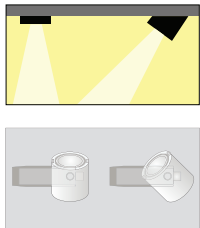
ADD L after 12 for white color body and black ring (inside).
 ADD W after 12 for white color body and white ring (inside).
 ADD B after 12 for black color body and black ring (inside).

Light source :	COB
Power :	30W
Beam angle :	27° / 40° / 60°
Color temperature :	3000K / 4000K
Light output :	1650lm
Color rendering index :	Ra≥80

LED driver (include)

Output voltage :	36V
Output current	700mA





Vertical 90° rotation.



Horizontal 350° rotation.

Product Description

-  Compact integrated architectural design, various beam angle options to create general and accent lighting solutions in retail environments such as malls, departmental stores, hotel, fashion shop etc .
-  High quality precision designed PMMA lens with reflector capable for horizontal & vertical tilt option to direct light in desired plane or at the object.
-  High performance COB with high CRI (Ra>80) comes in wide range of color temperature to create different lighting atmosphere.

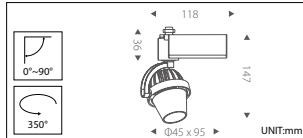


MXLDTRL 01 7/12W WW/NL

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA

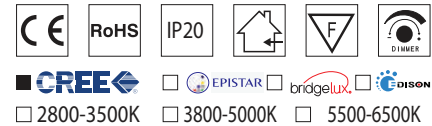


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01

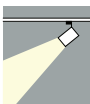
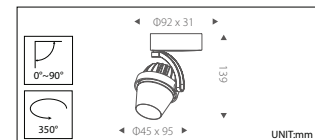


MXLDTRL 01.1 7/12W WW/NL

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA

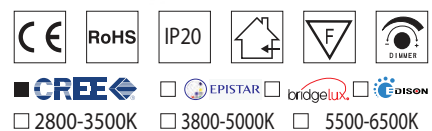


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01

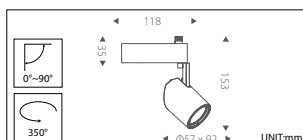


MXLDTRL 02 7/12/18W WW/NL

Light source :	COB
Power :	7W / 12W / 18W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm/1050lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V / 36V
Output current :	350mA / 480mA

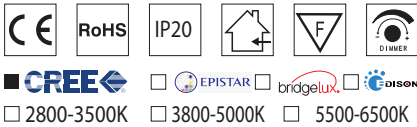


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01



Color

WH ☐ A06

SL ☐ A05

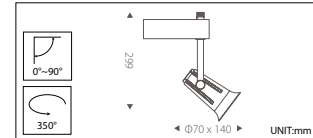
BK ☐ A01

MXLDTRL 03 7/12W WW/NL

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current	350mA

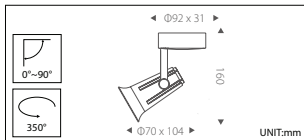


MXLDTRL 03.1 7/12W WW/NL

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current	350mA

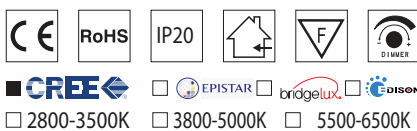
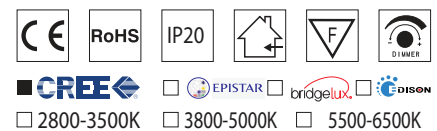


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01



Color

WH ☐ A06

SL ☐ A05

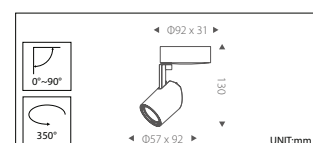
BK ☐ A01

MXLDTRL 04 7/12/18W WW/NL

Light source :	COB
Power :	7W / 12W / 18W
Beam angle :	15° / 24° / 30° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm / 1050lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V / 36
Output current	350mA / 480mA

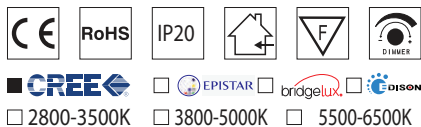
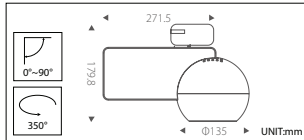


MXLDTRL 05 18/30/35W WW/NL

Light source :	COB
Power :	18W / 30W / 35W
Beam angle :	15° / 24° / 40° / 50°
Color temperature :	3000K / 4000K
Light output :	1000lm / 1650lm / 2200lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	36V / 36V / 36V
Output current :	480mA / 700mA / 850mA

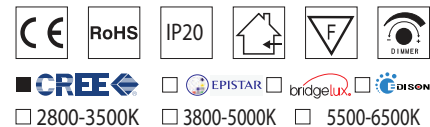


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01



MXLDTRL 05.1 18/30/35W WW/NL

Light source :	COB
Power :	18W / 30W / 35W
Beam angle :	15° / 24° / 40° / 50°
Color temperature :	3000K / 4000K
Light output :	1000lm / 1650lm / 2200lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	36V / 36V / 36V
Output current :	480mA / 700mA / 850mA

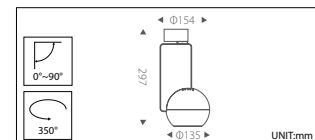


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01

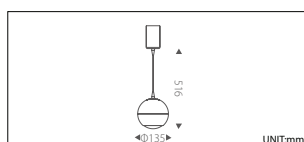


MXLDTRL 05.2 18/30/35W WW/NL

Light source :	COB
Power :	18W / 30W / 35W
Beam angle :	15° / 24° / 40° / 50°
Color temperature :	3000K / 4000K
Light output :	1000lm / 1650lm / 2200lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	36V / 36V / 36V
Output current :	480mA / 700mA / 850mA



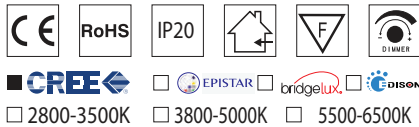
Color

WH ☐ A06

SL ☐ A05

BK ☐ A01





Color

WH ☐ A06

SL ☐ A05

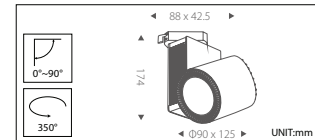
BK ☐ A01

MXLDTRL 06 18/30/35W WW/NL

Light source :	COB
Power :	18W / 30W / 35W
Beam angle :	15° / 24° / 40° / 50°
Color temperature :	3000K / 4000K
Light output :	1000lm / 1650lm / 2200lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	36V / 36V / 36V
Output current :	480mA / 700mA / 850mA

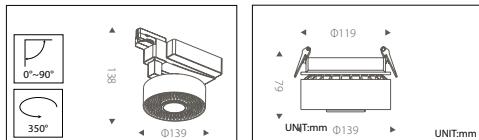


MXLDTRL 07.1 30/35/40W WW/NL

Light source :	COB
Power :	30W / 35W / 40W
Beam angle :	24° / 40° / 60°
Color temperature :	3000K / 4000K
Light output :	1650lm / 2200lm / 2500lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	36V / 36V / 36V
Output current :	700mA / 850mA / 1000mA

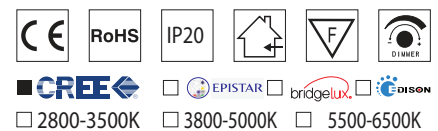


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01

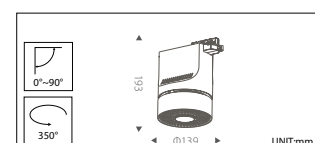


MXLDTRL 07 30/35/40W WW/NL

Light source :	COB
Power :	30W / 35W / 40W
Beam angle :	24° / 40° / 60°
Color temperature :	3000K / 4000K
Light output :	1650lm / 2200lm / 2500lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C~+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	36V / 36V / 36V
Output current :	700mA / 850mA / 1000mA



Color

WH ☐ A06

SL ☐ A05

BK ☐ A01



TRACK RAILS



3-wire track, using high-hardness aluminium material, the main voltage is 230V, anti-oxidation copper wire was built-in the concave-convex PVC insulated pipe.



The copper conductor cross-section is 2.4mm², rated current of 16A, comes up to a load of three-way loop of 11040w(3x3680w) light source.



On the same track, different kind of function spot light fixture should be equipped to the track with the specific adaptors. The group of fixtures can be controlled by an individual loop to achieve a variety of special lighting effects requirements.

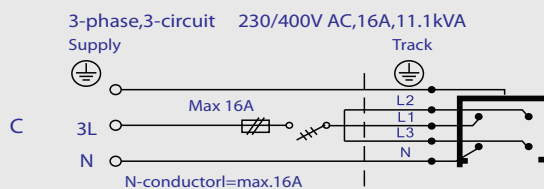
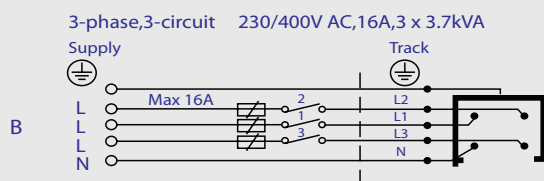
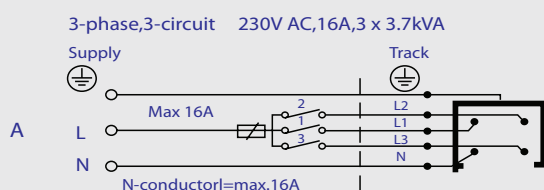


Model NO.	Colors	Product Description	Installation
8411 01LE	WH/BK	Tri-wire track 1m(power plug+end cap)	Surface
8411 02LE	WH/BK	Tri-wire track 2m(power plug+end cap)	Surface
8411 03LE	WH/BK	Tri-wire track 3m(power plug+end cap)	Surface
8412 01LE	WH/BK	Recessed Tri-wire track 1m(power plug+end cap)	Pecessed
8412 02LE	WH/BK	Recessed Tri-wire track 2m(power plug+end cap)	Pecessed
8412 03LE	WH/BK	Recessed Tri-wire track 3m(power plug+end cap)	Pecessed
8411 01	WH/BK	Tri-wire track 1m	Surface
8411 02	WH/BK	Tri-wire track 2m	Surface
8411 03	WH/BK	Tri-wire track 3m	Surface
8412 01	WH/BK	Recessed Tri-wire track 1m	Pecessed
8412 02	WH/BK	Recessed Tri-wire track 2m	Pecessed
8412 03	WH/BK	Recessed Tri-wire track 3m	Pecessed
8413 01	WH/BK	Left-power connector	
8413 02	WH/BK	Tri-wire I-type	
8413 03	WH/BK	Tri-wire L-type	
8411 04	WH/BK	Tri-wire T-type	
8411 05	WH/BK	Tri-wire X-type	
8413 06	WH/BK	end cap	

4-WIRE,3-PHASE TRACK

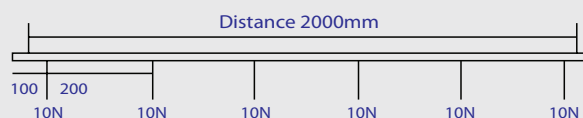
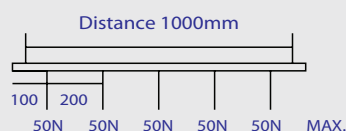
4-wire,3-phase track,made of extruded aluminium, it housed the conductors of cross-section 2.4mm square which have undergone an anti-oxidation treatment and are enclosed in two extruded PVC sections with high insulation receptivity.The rating current is 230V 16A and equal to a 3-phase total 11040W(3x3680W)loading.

Connecting diagrams

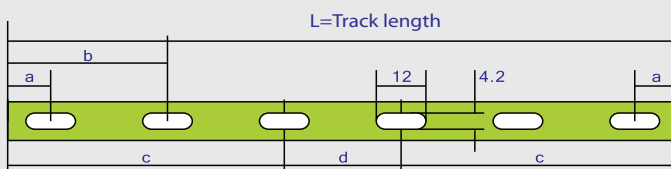


The recommended fastening distance is 1000mm.

NOTE:A load not heavier than 10kg may hang on a power takeoff adapter,the pull strength being 100N(1kp=9.81N) and the maximum torque 2.5Nm.(GA 69 5kg/50N)

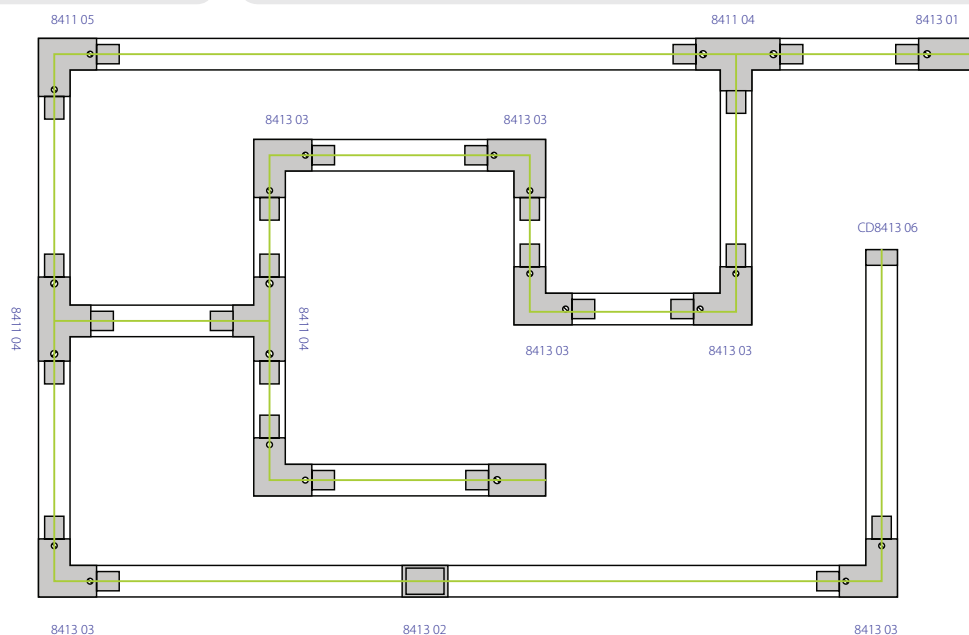


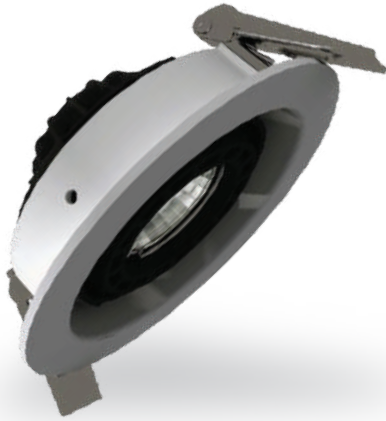
L/mm	a	b	c	d
1000	250			
1500	250	750		
2000	250		1250	
3000	250		1250	500



CONNECTORS & ACCESSORIES

Various connector options."I" type,"L" type,"T" type,"+" type & flexible type(can be bended by 180°).





Product Description

-  Integrated architectural design gridlight with various beam angle options to create general and accent lighting solutions in retail environments such as malls, departmental stores, hotel, fashion shop etc .
-  High quality precision designed PMMA lens with reflector capable for horizontal & vertical tilt option to direct light in desired plane or at the object.
-  High performance COB with high CRI (Ra>80) comes in wide range of color temperature to create different lighting atmosphere.

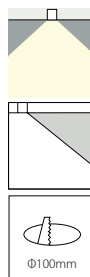
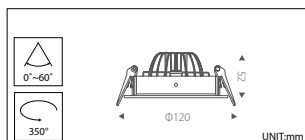


MXLDGRL 01 7/12W WW/NL

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA

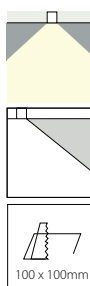


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01



Color

WH ☐ A06

SL ☐ A05

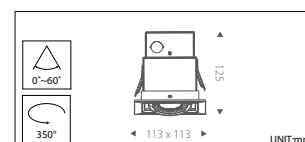
BK ☐ A01

MXLDGRL 02 7/12W WW/NL

Light source :	COB
Power :	7W / 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	410lm / 730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA

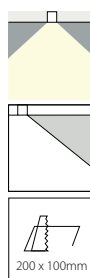
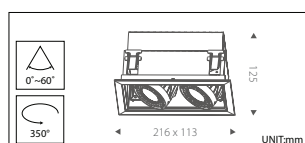


MXLDGRL 02 14/24W WW/NL

Light source :	COB
Power :	2x7W / 2x12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	2x410lm / 2x730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA



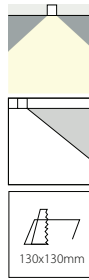
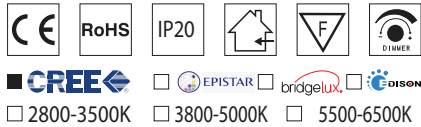
Color

WH ☐ A06

SL ☐ A05

BK ☐ A01





Color

WH ☐ A06

SL ☐ A05

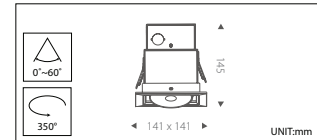
BK ☐ A01

MXLDGRL 02 18 W WW/NL

Light source :	COB
Power :	18W
Beam angle :	24° / 40°
Color temperature :	3000K / 4000K
Light output :	1050lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	36V
Output current :	480mA

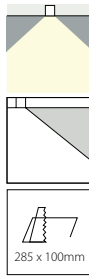
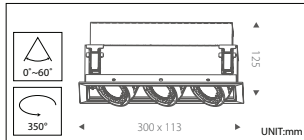


MXLDGRL 02 21/36W WW/NL

Light source :	COB
Power :	3X7W / 3X 12W
Beam angle :	15° / 24° / 40°
Color temperature :	3000K / 4000K
Light output :	3x410lm / 3x730lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	18V / 28V
Output current :	350mA

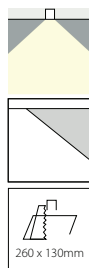
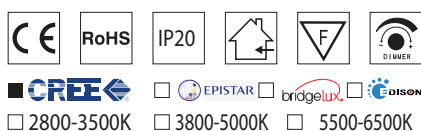
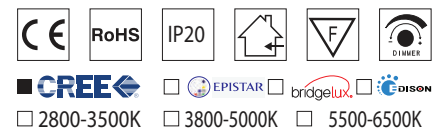


Color

WH ☐ A06

SL ☐ A05

BK ☐ A01



Color

WH ☐ A06

SL ☐ A05

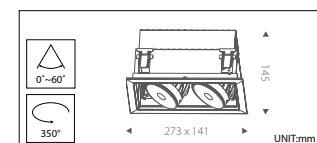
BK ☐ A01

MXLDGRL 02 36W WW/NL

Light source :	COB
Power :	2X18W
Beam angle :	24° / 40°
Color temperature :	3000K / 4000K
Light output :	2x1050lm
Color rendering index :	Ra≥80
Operating temperature :	-25°C+40°C
Rated life hours :	35,000-50,000H

LED driver (include)

Output voltage :	36V
Output current :	480mA





Product Description

- 
Compact integrated architectural design, various beam angle options to create general and accent lighting solutions in retail environments such as malls, departmental stores, hotel, fashion shop etc .
- 
High quality precision designed PMMA lens with reflector capable for horizontal & vertical tilt option to direct light in desired plane or at the object. Stretchable housing provides visible light from invisible fixture.
- 
High performance COB with high CRI (Ra>80) comes in wide range of color temperature to create different lighting atmosphere.





Product Description

- MXLDDL01 - Compact high power LED architectural design, options to create general and accent lighting solutions in retail environments such as malls, departmental stores, hotel, fashion shop etc .
- High quality precision designed PMMA lens with reflector capable for horizontal & vertical tilt option to direct light in desired plane or at the object.
- MXLDDL04 - High performance COB with high CRI (Ra>80) comes in wide range of color temperature to create different lighting atmosphere. Diecast aluminium enclosure with efficient heat dissipation heat sink for longer life and stable lumen output.

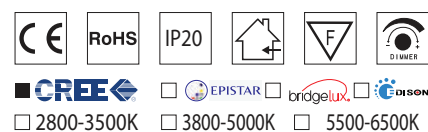


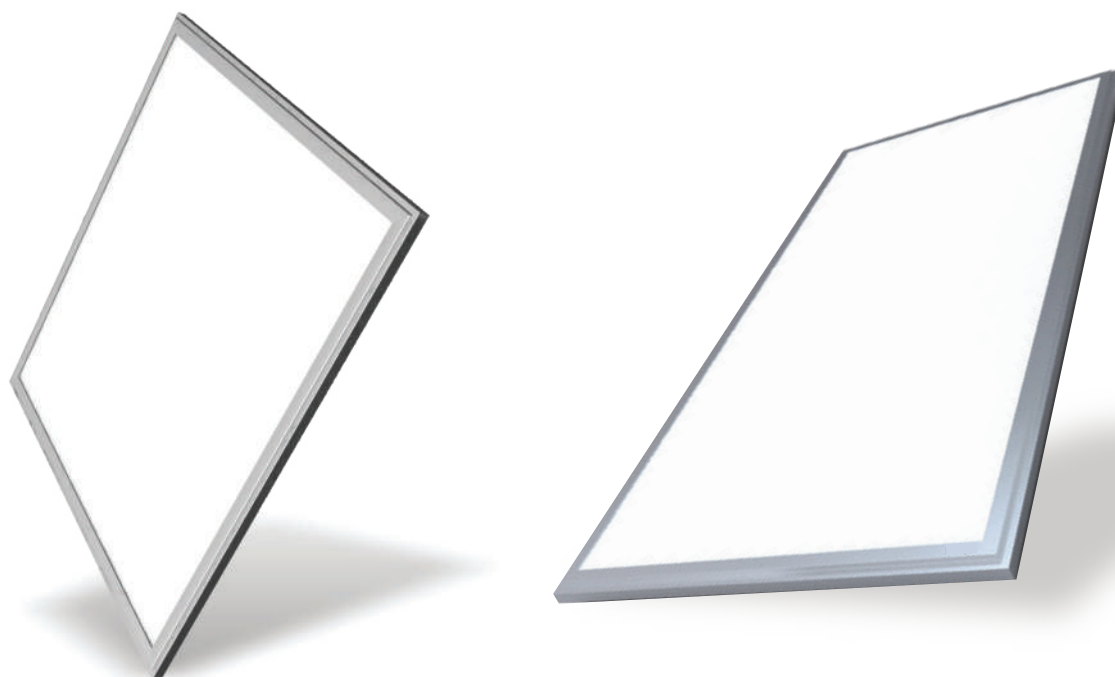


Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL01-3W	3W	AC85-256V	210-240 lm	>80Ra	120D	2800K-6500K	75 mm	φ105*40 mm
MXLDDL01-5W	5W	AC85-256V	350-400 lm	>80Ra	120D	2800K-6500K	130mm	φ160*40 mm
MXLDDL01-7W	7W	AC85-256V	490-550 lm	>80Ra	120D	2800K-6500K	165 mm	φ200*40 mm
MXLDDL01-9W	9W	AC85-256V	630-700 lm	>80Ra	120D	2800K-6500K	165 mm	φ200*40 mm
MXLDDL01-12W	12W	AC85-256V	840-960 lm	>80Ra	120D	2800K-6500K	165 mm	φ200*40 mm
MXLDDL01-15W	15W	AC85-256V	1050-1200 lm	>80Ra	120D	2800K-6500K	165 mm	φ200*40 mm
MXLDDL01-18W	18W	AC85-256V	1260-1440 lm	>80Ra	120D	2800K-6500K	165 mm	φ200*40 mm



Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL04-5W	5W	AC85-256V	350-375 lm	>80Ra	170D	2800K-6500K	75 mm	φ105*40 mm
MXLDDL04-8W	8W	AC85-256V	560-600lm	>80Ra	170D	2800K-6500K	130mm	φ160*40 mm
MXLDDL04-10W	10W	AC85-256V	700-800 lm	>80Ra	170D	2800K-6500K	165 mm	φ200*40 mm
MXLDDL04-15W	15W	AC85-256V	1050-1125 lm	>80Ra	170D	2800K-6500K	165 mm	φ200*40 mm
MXLDDL04-20W	20W	AC85-256V	1400-1600 lm	>80Ra	170D	2800K-6500K	165 mm	φ200*40 mm
MXLDDL04-25W	25W	AC85-256V	1750-1875 lm	>80Ra	170D	2800K-6500K	165 mm	φ200*40 mm
MXLDDL04-30W	30W	AC85-256V	2100-2400 lm	>80Ra	170D	2800K-6500K	165 mm	φ200*40 mm
MXLDDL04-35W	35W	AC85-256V	2450-2800 lm	>80Ra	170D	2800K-6500K	165 mm	φ200*40 mm



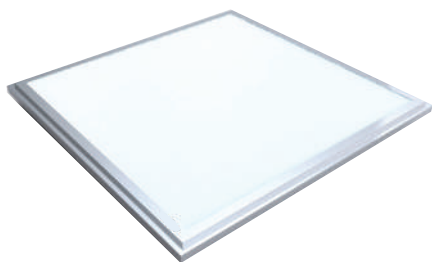


Maximus Online Ltd

Product Description

- Flat design, antiglare light distribution to create general and accent lighting solutions in retail environments such as malls, departmental stores, hotel, fashion shop, office space, residence.
- High quality and precision designed PMMA diffuser and efficient heat dissipating design.
- High performance SMD, high CRI (Ra>80).
- This range is suitable for gypsum plaster board ceilings and metal ceilings



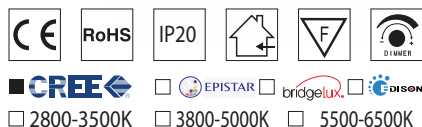


MXLDPL 600X600 36/40/45/56/72W

Power	Input Voltage	PF	CRI	Size	Lumen
36W	100-240VAC	≥0.5 / 0.9	≥75	598*598*	2300-2600lm
40W	100-240VAC	≥0.5 / 0.9	≥75	598*598*	2400-2800lm
45W	100-240VAC	≥0.5 / 0.9	≥75	598*598*	2800-3200lm
56W	100-240VAC	≥0.5 / 0.9	≥75	598*598*	4200-4500lm
72W	100-240VAC	≥0.5 / 0.9	≥75	598*598*	4800-5100lm

Beam Angle	Dimmable	Operation Temperature	Lifespan	Socket
120°	Optional	-20 °C ~+40 °C	>30,000H	Terminal

Cutting size	CCT	Installation
590*590mm	2700-6500K	Recessed / Suspended / Surface Mounted.



MXLDPL 300X1200 40/72W

Power	Input Voltage	PF	CRI	Size	Lumen
40W	100-240VAC	≥0.5 / 0.9	≥75	298*1298*	2300-2800lm
72W	100-240VAC	≥0.5 / 0.9	≥75	298*1298*	4800-5100lm
30W*	100-240VAC	≥0.5 / 0.9	≥75	298*298*	200-2100lm

Beam Angle	Dimmable	Operation Temperature	Lifespan	Socket
120°	Optional	-20 °C ~+40 °C	>30,000H	Terminal

Cutting size	CCT	Installation
290*1190mm	2700-6500K	Recessed / Suspended / Surface Mounted.

30W* MXLDPL 300X300 30W CUTTING SIZE 290*290mm

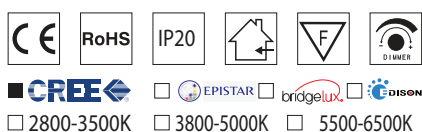


MXLDPL 600X1200 72/80W

Power	Input Voltage	PF	CRI	Size	Lumen
72W	100-240VAC	≥0.5 / 0.9	≥75	598*1198*	4800-5100lm
80W	100-240VAC	≥0.5 / 0.9	≥75	598*1198	5400-5850lm

Beam Angle	Dimmable	Operation Temperature	Lifespan	Socket
120°	Optional	-20 °C ~+40 °C	>30,000H	Terminal

Cutting size	CCT	Installation
590*1190mm	2700-6500K	Recessed / Suspended / Surface Mounted.





Product Description

-  Elegant design, antiglare light distribution to create general and accent lighting solutions in retail environments such as malls, departmental stores, hotel, residence.
-  High quality and precision designed PMMA diffuser and efficient heat dissipating design.
-  High performance SMD, high CRI (Ra>80).
-  This range is available in Steel base / PMMA diffuser and engineering plastic material PC base / PC diffuser.



MXLDCL 1008 12/23W

Light fitting is made from steel base and PMMA diffuser

Description	Voltage(V)	Watt.	Lumen Output	PF	CRI	Lifetime	CCT optional	Size(mm)
MXLDCL 1008	110-240V	12W	700lm	0.45	≥80	30000hrs	3000-6500k	φ312×85
	110-240V	23W	1400lm	0.45	≥80	30000hrs	3000-6500k	φ412×85



MXLDCL 1007 12/18/24W

Light fitting is made from steel base and PMMA diffuser

Description	Voltage(V)	Watt.	Lumen Output	PF	CRI	Lifetime	CCT optional	Size(mm)
MXLDCL1007	110-240V	12W	750lm	0.45	≥80	30000hrs	3000-6500k	φ340×75
	110-240V	18W	1100lm	0.45	≥80	30000hrs	3000-6500k	φ370×80
	110-240V	24W	1500lm	0.45	≥80	30000hrs	3000-6500k	φ420×90

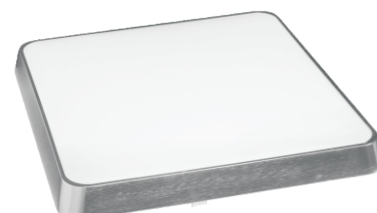


(surround frame comes in many colors)

MXLDCL 1010 12/23W

Light fitting is made from steel base and PMMA diffuser

Description	Voltage(V)	Watt.	Lumen Output	PF	CRI	Lifetime	CCT optional	Size(mm)
MXLDCL 1010	110-240V	12W	700lm	0.45	≥80	30000hrs	3000-6500k	290×290×78
	110-240V	23W	1400lm	0.45	≥80	30000hrs	3000-6500k	430×430×78



MXLDCL 1001 8/12/18W

Light fitting is made from PC base and PC diffuser

Description	Voltage(V)	Watt.	Lumen Output	PF	CRI	Lifetime	CCT optional	Size(mm)
AWL1001	185-265V	8W	550lm	0.8	≥80	30000hrs	3000-6500k	180×120×80
	185-265V	12W	800lm	0.8	≥80	30000hrs	3000-6500k	250×180×80
	185-265V	18W	1200lm	0.8	≥80	30000hrs	3000-6500k	320×220×80



MXLDCL 1002 8/12/18W

Light fitting is made from PC base and PC diffuser

Description	Voltage(V)	Watt.	Lumen Output	PF	CRI	Lifetime	CCT optional	Size(mm)
MXLDCL1002	110-240V	8W	500lm	0.8	≥80	30000hrs	3000-6500k	φ180×80
	110-240V	12W	700lm	0.8	≥80	30000hrs	3000-6500k	φ250×80
	110-240V	18W	1100lm	0.8	≥80	30000hrs	3000-6500k	φ320×80





Product Description

- 
Elegant design, antiglare light distribution to create general and accent lighting solutions in retail environments such as malls, departmental stores, hotel, residence.
- 
High quality and precision designed PMMA diffuser and efficient heat dissipating design.
- 
High performance SMD, high CRI (Ra>80).
- 
This range is available in Steel base / PMMA diffuser and engineering plastic material PC base / PC diffuser.





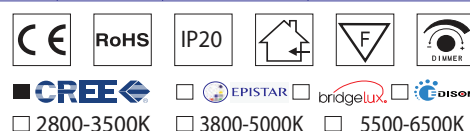
Integrated PC housing

Description	Voltage(V)	Watt.	Size(mm)	Lumen Output	PF	CRI	Lifetime	CCT optional
MXLDBL01 14W	110-240V	14W	610×70×65	1000lm	0.9	≥80	30000hrs	3000-6500k
MXLDBL01.1 24W	110-240V	24W	610×120×65	1800lm	0.9	≥80	30000hrs	3000-6500k
MXLDBL01 24W	110-240V	24W	1220×70×65	1800lm	0.9	≥80	30000hrs	3000-6500k
MXLDBL01 40W	110-240V	40W	1220×120×65	3600lm	0.9	≥80	30000hrs	3000-6500k



Integrated AL housing

Description	Voltage(V)	Watt.	Size(mm)	Lumen Output	CRI	Lifetime	CCT optional
MXLDBL02 8W	110-240V	8W	591×37×22	650lm	≥80	30000hrs	3000-6500k
MXLDBL02 12W	110-240V	12W	891×37×22	1000lm	≥80	30000hrs	3000-6500k
MXLDBL02 18W	110-240V	18W	1191×37×22	1500lm	≥80	30000hrs	3000-6500k



Integrated PC housing

Description	Voltage(V)	Watt.	Size(mm)	Lumen Output	CRI	Lifetime	CCT optional
MXLDBL03 8W	110-240V	8W	549×24.4×36	650lm	≥80	30000hrs	3000-6500k
MXLDBL03 10W	110-240V	10W	849×24.4×36	900lm	≥80	30000hrs	3000-6500k
MXLDBL03 18W	110-240V	18W	1149×24.4×36	1200lm	≥80	30000hrs	3000-6500k





Product Description

- Ultra thin integrated design, edge lite high lumen output LED. High CRI (Ra>80)
- High purity aluminium body with PS diffuser for uniform light distribution.
- Architectural design, antiglare light distribution to create general and accent lighting solutions in retail environments such as malls, departments stores, hotel, fashion shop.
- This range is suitable for gypsum plaster board ceilings and metal ceilings





MXLDDL 02

Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL - 02-6W	6W	AC85-256V	350-470 lm	>80Ra	110D	2800K-6500K	95 mm	φ109*20 mm
MXLDDL - 02-12W	12W	AC85-256V	760-870 lm	>80Ra	110D	2800K-6500K	175 mm	φ109*20 mm
MXLDDL - 02-18W	18W	AC85-256V	1180-129 lm	>80Ra	110D	2800K-6500K	208 mm	φ223*20 mm
MXLDDL - 02-25W	25W	AC85-256V	420-490 lm	>80Ra	110D	2800K-6500K	280 mm	φ295*20 mm

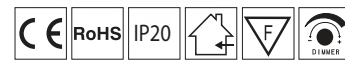
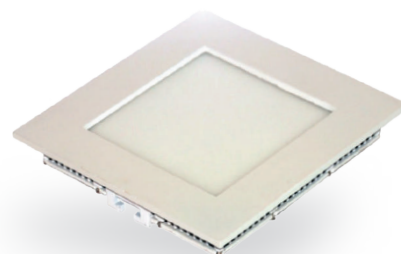


■ CREE ■ EPISTAR ■ bridgelux ■ EDISON

□ 2800-3500K □ 3800-5000K □ 5500-6500K

MXLDDL 03

Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL - 03-6W	6W	AC85-256V	340-450 lm	>80Ra	110D	2800K-6500K	95*95 mm	φ110*110*20 mm
MXLDDL - 03-12W	12W	AC85-256V	760-870 lm	>80Ra	110D	2800K-6500K	155*155mm	φ170*170*20 mm
MXLDDL - 03-18W	18W	AC85-256V	1180-1290 lm	>80Ra	110D	2800K-6500K	205*205 mm	φ223*223*20 mm
MXLDDL - 03-25W	25W	AC85-256V	1680-1790 lm	>80Ra	110D	2800K-6500K	278*270 mm	φ298*298*20 mm



■ CREE ■ EPISTAR ■ bridgelux ■ EDISON

□ 2800-3500K □ 3800-5000K □ 5500-6500K



MXLDDL 03.1

Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Dimension (mm)
MXLDDL - 03.1-12W	12W	AC85-256V	760-870 lm	>80Ra	110D	2800K-6500K	φ170*40 mm
MXLDDL - 03.1-18W	18W	AC85-256V	1180-1290 lm	>80Ra	110D	2800K-6500K	φ225*40 mm
MXLDDL - 03.1-25W	25W	AC85-256V	1670-1780 lm	>80Ra	110D	2800K-6500K	φ300*40 mm



MXLDDL 02.1

Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Dimension (mm)
MXLDDL - 02.1-12W	12W	AC85-256V	760-870 lm	>80Ra	110D	2800K-6500K	φ170*40 mm
MXLDDL - 02.1-18W	18W	AC85-256V	1180-1290 lm	>80Ra	110D	2800K-6500K	φ170*40 mm
MXLDDL - 02.1-25W	25W	AC85-256V	1670-1780 lm	>80Ra	110D	2800K-6500K	φ300*40 mm



■ CREE ■ EPISTAR ■ bridgelux ■ EDISON

□ 2800-3500K □ 3800-5000K □ 5500-6500K



Product Description

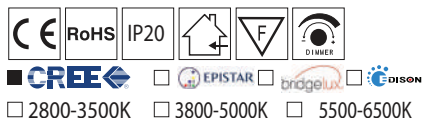
-  Ultra thin integrated design, back lite high lumen output LED with decorative glass cover. High CRI (Ra>80)
-  Architectural design, antiglare light distribution to create general and accent lighting solutions in retail environments such as malls, departments stores, hotel, fashion shop.
-  This range is suitable for gypsum plaster board ceilings and metal ceilings





MXLDDL 02GL

Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL 02GL 6W	6W	AC85-256V	470-500 lm	>80Ra	110D	2800K-6500K	75 mm	φ105*40 mm
MXLDDL 02GL 12W	12W	AC85-256V	870-1000 lm	>80Ra	110D	2800K-6500K	130mm	φ160*40 mm
MXLDDL 02GL 18W	18W	AC85-256V	1400-1600 lm	>80Ra	110D	2800K-6500K	165 mm	φ200*40 mm



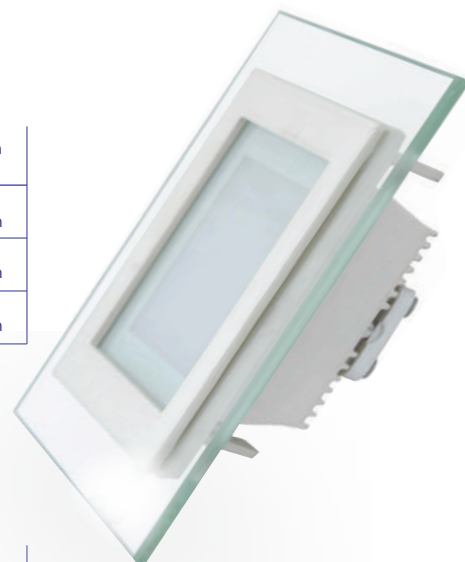
MXLDDL 02GL 3C

Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL 02GL 3C 6W	6W	AC85-256V	470-500 lm	>80Ra	110D	2800K-6500K	75 mm	φ105*40 mm
MXLDDL 02GL 3C 12W	12W	AC85-256V	870-1000 lm	>80Ra	110D	2800K-6500K	130mm	φ160*40 mm
MXLDDL 02GL 3C 18W	18W	AC85-256V	1400-1600 lm	>80Ra	110D	2800K-6500K	165 mm	φ200*40 mm

Offer three color selection of CDL / WW / NL in same luminaire .

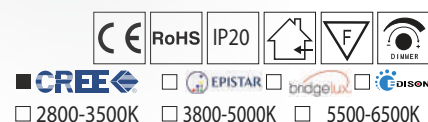
MXLDDL 03GL

Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL 03GL 6W	6W	AC85-256V	450-500 lm	>80Ra	110D	2800K-6500K	75*75 mm	φ105*40 mm
MXLDDL 03GL 12W	12W	AC85-256V	870-1000 lm	>80Ra	110D	2800K-6500K	130*130 mm	φ160*40 mm
MXLDDL 03GL 18W	18W	AC85-256V	1290-1450 lm	>80Ra	110D	2800K-6500K	165*65 mm	φ200*40 mm



MXLDDL 03GL 3C

Item Code	LED Power	Voltage	Lumens	CRI	Beam Angle	Color Temp.	Cutout Size	Dimension (mm)
MXLDDL 03GL 3C 6W	6W	AC85-256V	450-500 lm	>80Ra	110D	2800K-6500K	75*75 mm	φ105*40 mm
MXLDDL 03GL 3C 12W	12W	AC85-256V	870-1000 lm	>80Ra	110D	2800K-6500K	130*130 mm	φ160*40 mm
MXLDDL 03GL 3C 18W	18W	AC85-256V	1290-1450 lm	>80Ra	110D	2800K-6500K	165*65 mm	φ200*40 mm





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