



Outdoor Lighting Series

What is muno ?

Muno lighting collection is a good combination of European design & Taiwan LED illuminant technology. After years of efforts devoted to the optoelectronics industry, our research team successfully invented the single-mode with polycrystalline (SMP) LED illuminant.

We are proud to let the world know that our 2nd generation independent illuminant can reach 180W which the first generation LED can never made. Our angled base is another patent that we can utilize to provide a wide coverage area

with one lighting fixture. Muno can guarantee its lighting 50,000 hours life time with 95% efficiency. These high performances are born with our excellent heat dissipation patents – copper and aluminum bonding technique and chips on metal.

Moreover, Muno lighting heat dissipation is amazing. Not to mention Muno light could replace the traditional illuminant, even up to 1000W in some occasions. Our underground and underwater lighting are our other strengths the other lighting products can match.

Characteristic of the second generation of LED

High efficiency and quality



SMP LED illuminant. Muno's illuminant is a single-mode with polycrystalline light source and can reach up to 180 watt. Single source, directional lighting and clear luminance are our features which are not the same as traditionally arrayed LED.



Highly directional. Most of the luminance can reach the designated area directly without reflection. So, the beam is highly direction and far ranged. The traditional LED can hardly reach.



High luminous efficiency. The power factor is above 0.9. Power saving is a plus, but meeting the requirement of the electricity company is another beauty.



Instant reaction. Only takes 1 microsecond to reach the optimal brightness as soon as the power is ON. No "warm-up" or starter is required.



Adjustable color temperature. The color temperature can be adjusted between 2800K & 6000K and it's closed to the natural light. With the RGB controller, color of our illuminant could be changed automatically instead of combining different color lamps.



Dimming effects. Dimming effect can be made up to 20W while the traditional LED can not do it smoothly.



Angled Beam. For meeting the requirements of different applications, the beam angle can be tailor-made from 30° to 180°.



High protection level. Muno's lightings can reach IP68 which is the highest protection level of dustproof & waterproof but not affecting the long lifespan.

Lifespan, environmental protection



Low lighting decay. It could be kept used for 50,000 hours with 95% efficiency. It's durable and safety and the lifespan is 5-10 times more than the traditional bulbs.



Simple structure. Without a starter the replacement of components can be minimized. The low current will also reduce the wastage of material and manpower. The simple structure can stand high impact.



Low power consumption. With the same brightness, the power consumption of (SMP)LED is only 1/8 to 1/10 of the traditional bulbs.

Safety, Green power



Low temperature. The surface temperature will not over 65°C even with long hour operation under room temperature.



No poison and mercury pollution. No influence to human being and environment.



No stroboscopic effect because of using DC power. Good to our eyes.



No ultraviolet rays, infrared ray and radiation. It is a typical green lighting source.

Compare with Traditional LED & The second generation LED light

Traditional LED



Array structure: lots of sources in a mess



Complicated assembling, traditional heat dissipation

muno The second generation of LED light



Multi-chips: concentrated light



Simple assemblage, excellent heat dissipation
technique: chips on metal

Display, Signage and decoration	Mission	Illumination
Based on light, thin, uniqueness of semiconductor, the structure is very delicate	Concept	For the need of illumination, we build our highly conductive structure
Taking the advantages of the semiconductor industry, provide ready-to-use chipsets & guidance for users	Situation	All industries has its culture & value, we provide a broader range of product for different applications
The innate limitation is LED's original design is for backlight (mostly below 3W) not for illumination.	Cognition	Aiming at illumination (Lighting industry), we have different finished products (5-180W) for different applications
With the semiconductor base, mostly applied in IT related industries	Practice	I Based on electrical & mechanical design, can be applied in different applications
The optic effect by using convex lens is different from lighting	Perception	Follow the tracking of reflection & luminous intensity curve, Muno's light exerts the feeling and value of both the shape and the color of light

Introspection

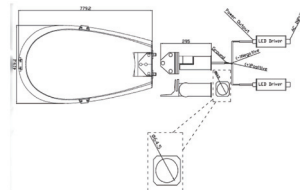
1. Is backlight luminary same as a light source?
2. How to make LED become a light source?
3. How to make Lighting industry and LED industry communicate better?
4. Is the LED light source structurally designed in a reasonable direction?
5. How well the industry in managing electricity, heat, light & aesthetic feeling?
6. Should the lifespan of a lamp be over 15 years?
7. LED is proud of its lifespan of over 50,000 hours.

Why does most traditional LED have a short lifespan instead?

We are the solution !



STRADA Street Light series



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Powder coating (Antistatic, weather resistance)
Lamp shade Flat toughened glass
Reflector Pure aluminum by mirror-surfaced

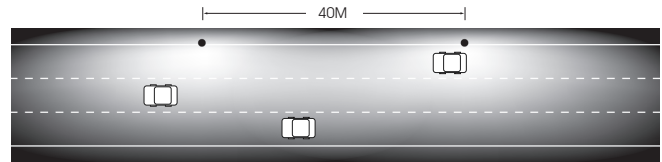
Model	Power	Voltage	Lumen	Intensity	Weight
YL10-75-001-X	75w	DC36V	4100-4380 LM	Ave. 25 LUX @ 6M	12.5kg
YL10-90-001-X	90w	DC36V	4500-4900 LM	Ave. 25 LUX @ 8M	12.5kg
YL10-120-001-X	120w	DC36V	6150-6600 LM	Ave. 25 LUX @ 10M	12.5kg
YL10-135-001-X	135w	DC36V	7155-8250 LM	Ave. 25 LUX @ 10M	12.5kg
YL10-150-001-X	150w	DC36V	8000-8400 LM	Ave. 25 LUX @ 10M	12.5kg
YL10-180-001-X	180w	DC36V	11850-13100 LM	Ave. 30 LUX @ 12M	12.5kg

180W LED Street Light Test (Illuminance at a distance)

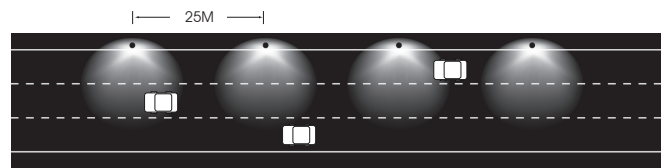
Data origin Lighting and Color Research Center
Chung Yuan Christian University
Report No. LCRC-1011
Test object 180W LED Street Light (YL10-180-001-X)

	Center Beam (LUX)	Beam Width (Vert. : 72.7°)	Beam Width (Horiz. : 127.6°)
2M	619.15	2.9M	8.1M
4M	154.79	5.9M	16.3M
6M	68.79	8.8M	24.4M
8M	38.70	11.8M	32.5M
10M	24.77	14.7M	40.7M
12M	17.20	17.7M	48.8M

muno 180W LED Street Light

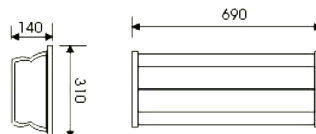


Traditional LED Street Light



● Street Light

GALLERIA Tunnel Light series



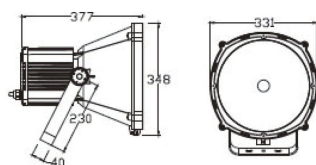
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum(for Housing),
Aluminum die-casting(for Side face)
Lamp shade Toughened glass, Weather Resistant glass

Model	Power	Voltage	Lumen	Weight
YL31-75-006-X	75w	AC100V-240V	3750-4060 LM	10.5kg
YL31-105-006-X	105w	AC100V-240V	5565-5770 LM	10.5kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Powder coating
Lamp shade Toughened glass(Weather resistant)
Reflector Pure aluminum by anodized

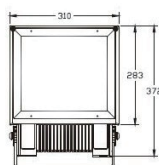
Model	Power	Voltage	Lumen	Weight
YL28-75-6509-X	75w	AC100V-240V	3975-4100 LM	8.5kg



30w 60w



75w



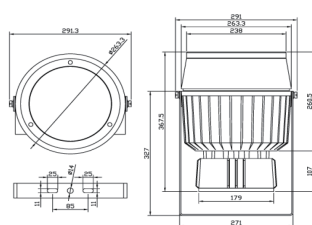
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Anti-Static powder coating
Lamp shade Heat resistant silastic obturating ring,
Transparent tempered glass

Model	Power	Voltage	Lumen	Weight
YL28-30-6508-X	30w	AC100V-240V	1590-1650 LM	8kg
YL28-60-6508-X	60w	AC100V-240V	3180-3300 LM	8kg
YL28-75-6508-X	75w	AC100V-240V	3975-4100 LM	8kg



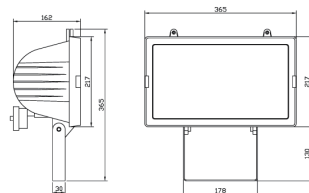
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Powder coating
Lamp shade Toughened glass(Weather resistant)
Reflector Pure aluminum by anodized

Model	Power	Voltage	Lumen	Weight
YL28-60-008-X	60w	AC100V-240V	3180-3300 LM	8.5kg
YL28-75-009-X	75w	AC100V-240V	3975-4100 LM	8.5kg



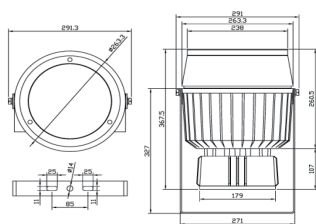
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Die-casting Aluminum
Finished Powder coating
Lamp shade Toughened glass
Reflector Pure aluminum

Model	Power	Voltage	Lumen	Weight
YL28-30-007-X	15w x 2	AC100V-240V	1590-1650 LM	4kg



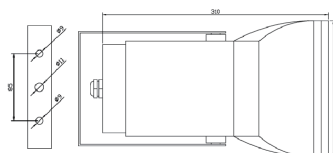
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Powder coating
Lamp shade Toughened glass(Weather resistant)
Reflector Pure aluminum by anodized

Model	Power	Voltage	Lumen	Weight
YL28-60-008-X	60w	AC100V-240V	3180-3300 LM	8.5kg
YL28-75-009-X	75w	AC100V-240V	3975-4100 LM	8.5kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Powder coating
Lamp shade Toughened glass
Reflector Pure aluminum by anodized

Model	Power	Voltage	Lumen	Weight
YL28-30-004-X	30w	AC100V-240V	1590-1650 LM	3kg
YL28-45-004-X	45w	AC100V-240V	2270-2380 LM	3kg



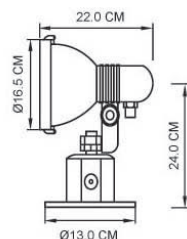
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Lamp shade Toughened glass
Reflector High-purity aluminum

Model	Power	Voltage	Lumen	Weight
YL28-30-6501-X	30w	AC100V-240V	1590-1650 LM	4.5kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Alloy Die-casting
Finished Anti-Static powder coating (Weather resistant)
Lamp shade Cold/Heat resistant Tempered glass

Model	Power	Voltage	Lumen	Weight
YL28-30-003-X	30w	AC100V-240V	1590-1650 LM	2.5kg

RAGGIO Spot Light series



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Lamp shade Transparent tempered glass
Reflector High-purity aluminum

Model	Power	Voltage	Lumen	Weight
YL28-30-606-X	30w	AC100V-240V	1590-1650 LM	4.5kg

ACQUA Underwater Light series



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Anti-Static powder coating
Lamp shade Cold/Heat resistant Tempered glass
Reflector Pure aluminum by anodized

Model	Power	Voltage	Lumen	Weight
YL21-05-003-X	5w	AC100V-240V	265-275 LM	0.3kg
YL21-10-003-X	10w	AC100V-240V	500-550 LM	0.4kg
YL21-15-003-X	15w	AC100V-240V	795-820 LM	0.5kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Anti-Static powder coating
Lamp shade Cold/Heat resistant Tempered glass
Reflector Pure aluminum by anodized

Model	Power	Voltage	Lumen	Weight
YL21-30-002-X	30w	AC100V-240V	1590-1650 LM	1kg



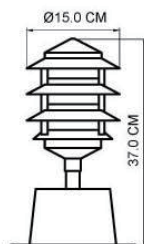
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Anti-Static powder coating
Lamp shade Cold/Heat resistant Tempered glass
Reflector Pure aluminum by anodized

Model	Power	Voltage	Lumen	Weight
YL21-60-001-X	60w	AC100V-240V	3180-3300 LM	2kg



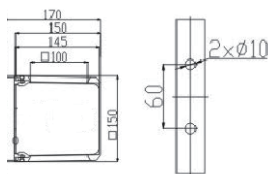
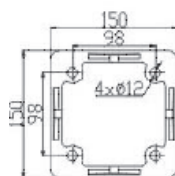
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Environmental power coating
Lamp shade Cold/Heat resistant frosted glass

Model	Power	Voltage	Lumen	Weight
YL20-10-001-X	10w	AC100V-240V	500-550 LM	2.5kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Environmental power coating
Lamp shade PMMA organic crystalline

Model	Power	Voltage	Lumen	Weight
YL20-10-004-X	10w	AC100V-240V	500-550 LM	5.5kg
YL20-15-004-X	15w	AC100V-240V	795-820 LM	5.5kg



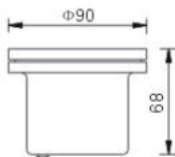
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Anticorrosion, Anti-Static powder coating
Lamp shade PMMA milk-white lamp shade

Model	Power	Voltage	Lumen	Weight
YL20-15-005	15w	AC100V-240V	795-830 LM	5.5kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting Finished Anticorrosion, Anti-Static powder coating
Lamp shade 5mm tempered glass, Silastic obturating ring
Burial box Anticorrosion plastic

Model

YL22-5-001

Power

5w

Voltage

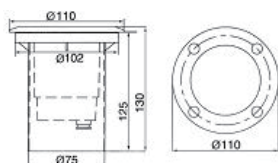
AC100V-240V

Lumen

265-275 LM

Weight

1kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting Finished Anti-Static powder coating
Lamp shade 5mm cold/heat resistant tempered glass
Burial box Anticorrosion plastic Surface Steel / Aluminum

Model

YL22-10-007-X

Power

10w

Voltage

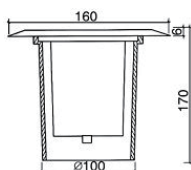
AC100V-240V

Lumen

500-550 LM

Weight

1.5kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting Finished Anti-Static powder coating
Lamp shade 5mm cold/heat resistant tempered glass
Burial box Anticorrosion plastic Surface Steel / Aluminum

Model

YL22-15-008-X

Power

15w

Voltage

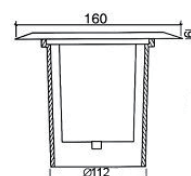
AC100V-240V

Lumen

795-830 LM

Weight

1.5kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting Finished Anti-Static powder coating
Lamp shade 5mm cold/heat resistant tempered glass
Burial box Anticorrosion plastic Surface Steel / Aluminum

Model

YL22-10-6011-X

Power

10w

Voltage

AC100V-240V

Lumen

500-550 LM

Weight

1.5kg

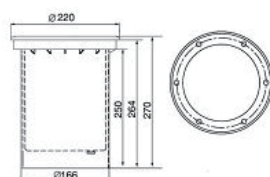
YL22-15-6011-X

15w

AC100V-240V

795-830 LM

1.5kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting Finished Anti-Static powder coating
Lamp shade 5mm cold/heat resistant tempered glass
Burial box Anticorrosion plastic Surface Steel / Aluminum

Model

YL22-30-6020-X

Power

30w

Voltage

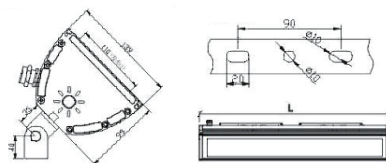
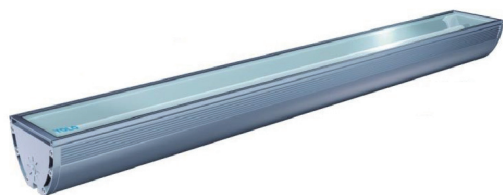
AC100V-240V

Lumen

1590-1650 LM

Weight

2.5kg



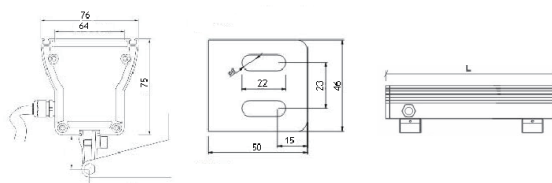
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Anti-Static powder coating
Lamp shade Cold/Heat resistant Tempered glass

Model	Power	Voltage	Lumen	Weight
YL23-30-001-X	15w x 2 (每條)	AC100V-240V	1590-1650 LM	2.5kg



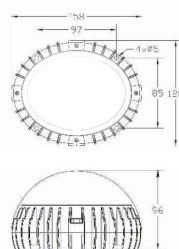
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Finished Anti-Static powder coating
Lamp shade Cold/Heat resistant Tempered glass

Model	Power	Voltage	Lumen	Weight
YL23-30-002-X	15w x 2(每條)	AC100V-240V	1590-1650 LM	2.5kg
YL23-60-002-X	15w x 4(每條)	AC100V-240V	3180-3300 LM	2.5kg



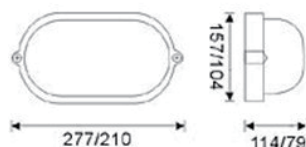
LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Die-casting
Lamp shade Polycarbonate prism Lamp shade,
Heat resistant silastic obturating ring

Model	Power	Voltage	Lumen	Weight
YL27-5-014-X	5w	AC100V-240V	265-275 LM	1kg
YL27-10-014-X	10w	AC100V-240V	500-550 LM	1kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Alloy Die-casting
Lamp shade UV-P, Anti-Static powder glass

Model	Power	Voltage	Lumen	Weight
YL27-5-FC4-L	5w	AC100V-240V	265-275 LM	1.5kg
YL27-10-FC4-L	10w	AC100V-240V	500-550 LM	1.5kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Alloy Die-casting

Finished Anti-Static powder coating

Lamp shade Toughened glass, silastic obturating ring

Model

YL27-10-0038

Power

5w x 2

Voltage

AC100V-240V

Lumen

500-550 LM

Weight

1.7kg



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum (body), Aluminum Alloy Die-casting (head)

Lamp shade Toughened glass,

Heat resistant silastic obturating ring

Model

YL27-30-6412

Power

15w x 2

Voltage

AC100V-240V

Lumen

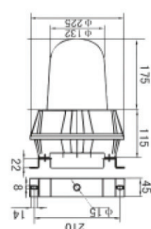
1590-1650 LM

Weight

5kg

OTHER

Factory Lamp



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Alloy

Finished Special coating & Sealed

Lamp shade Toughened glass,

Cold/Heat resistant Tempered glass

Model

YL31-20-009

Power

20w

Voltage

AC100V-240V

Lumen

1060-1100 LM

Weight

3.5kg

Water Jet Light



LIFESPAN
50,000h

PROTECTION
IP65

DECLINES
5,000h<5%

Fixture Body Aluminum Alloy Die-casting

Finished Anti-Static powder coating (Weather resistant)

Lamp shade 5mm Cold/Heat resistant Tempered glass

Burial box Anticorrosion plastic

Model

YL26-10-002

Power

10w

Voltage

AC100V-240V

Lumen

500-550 LM

Weight

2kg

