

TunnelLight-1

Datasheet



Tunnel Light is a high efficient and durable luminaire with advanced optics for tunnel lighting application. It is ideal LED solution for traditional tunnel lights replacement with excellent energy saving. Well-designed optical system and robust construction ensure the luminaire working well at 7x24hours condition in harsh tunnel application. Die-cast housing with $\pm 60^\circ$ adjustable brackets, IP66 rating and 10kV surge protection ensure the reliability for extreme outdoor environments.

Benefits

Advanced optical design – less luminaires, better lighting performance

- Symmetrical lighting distributions for all tunnel applications
- Flicker free to ensure the traffic safety
- High efficacy up to 125lm/W for energy saving

Full product range for various applications

- Power range from 30W to 300W
- Choice of CCT 3000K/4000K/5700K
- 0-10V dim and DALI versions available on request

High reliable and easy installation

- Long life time 50,000 hours @ Ta35C, L70
- Robust die-cast housing
- $\pm 60^\circ$ adjustable installation brackets

Applications

- Tunnel light

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Technical Data

Optical Specifications

Power	30W	50W	60W	80W	90W	100W	120W	150W	180W
Luminous Flux (@4000K)	3750lm	6250lm	7500lm	10000lm	11250lm	12500lm	15000lm	18750lm	22500lm
Efficacy (@4000K)	>125 lm/W								
CCT	3000/4000/5700K								
SDCM	CRI > 70								
SDCM	5								
Lighting distributions	Symmetric								

Electrical and Mechanical Specifications

Input Voltage	100-240V AC 50/60Hz				
Power Consumption	30W	50W/60W	80W/90W/100W	120W/150W	150W/180W
Power Factor	0.95				
Surge protection	Line-to-line 5KV, line-to-earth 10KV				
Total Harmonic Distortion	20%				
Dimension (mm)					
Weight (kg)	2.3	2.6	3.5	4.2	4.9
Cover Lens	PC Lens (glass cover version available on request)				
Housing	Silver grey/blue grey 6063 extruded aluminum				

System Specifications

Power	AC line
Dimmable	On/off (1-10V, DALI available on request)
Installation	Surface mounting
Operating Temperature	-30°C to +50°C
Storage Temperature	-40°C to +80°C
Environment	Outdoor (IP66, IK08)
Lumen Maintenance	L70 @35°C - 50,000hrs
Safety Approval	Electrical Protection Class I, CQC

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

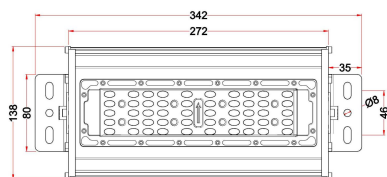
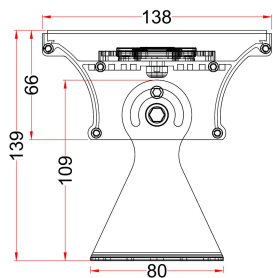
Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

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Dimensions

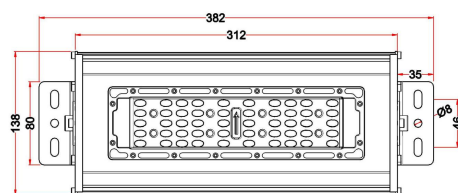
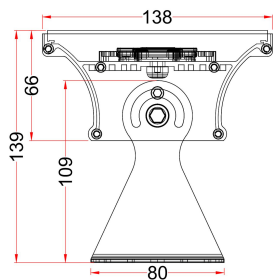
30W

L342*W138*H139



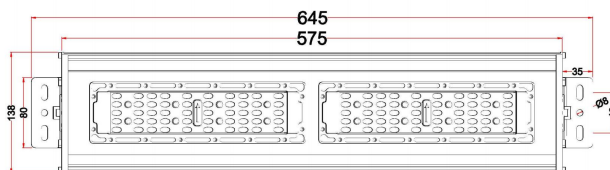
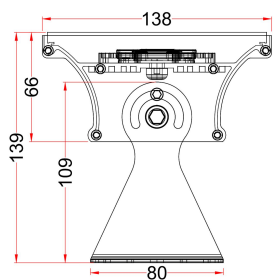
50W/60W

L382*W138*H139



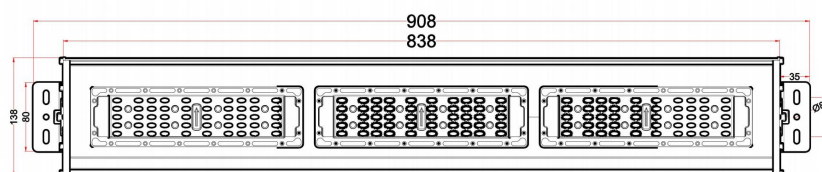
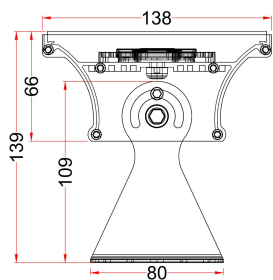
80W/90W/100W

L645*W138*H139



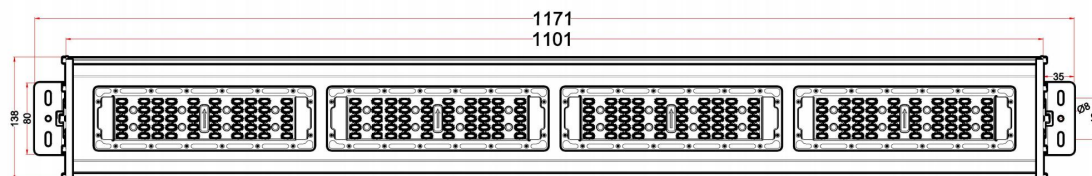
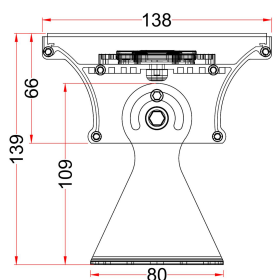
120/130W

L908*W138*H139



150/180W

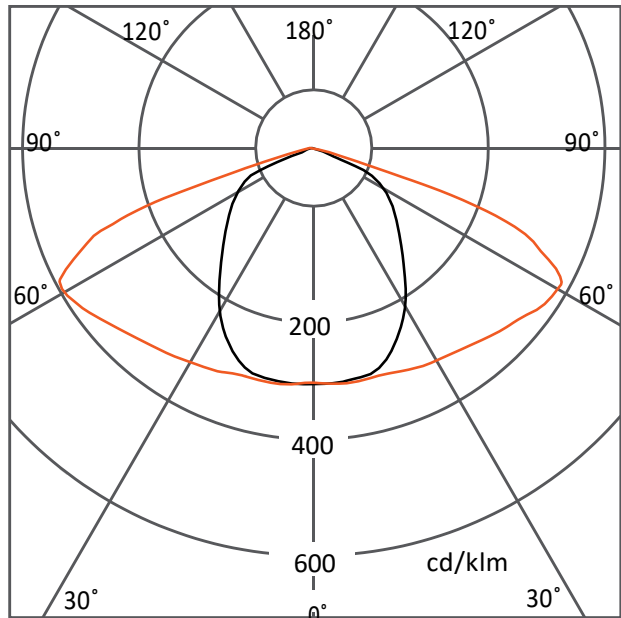
L1171*W138*H139



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Photometrics

Light Distribution Curve
140° x 90°



Illuminance at a distance

	Center Beam Lux/ <u>klm</u>	Beam Width	
		V	H
0.5m	1212	1.07m	2.97m
1.0m	303	2.14m	5.94m
1.5m	135	3.21m	8.91m
2.0m	76	4.27m	11.89m
2.5m	48	5.34m	14.86m
3.0m	34	6.41m	17.83m

● Horiz. Spread: 93.8°
● Vert. Spread: 142.8°
For fc divide by 10.7

For feet multiply by 3.28

Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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Ordering Codes

Product pictures



30W/50W/60W



80W/90W/100W



120W/150W



150W/180W

TunnelLight-2

Datasheet



Tunnel Light is a high efficient and durable luminaire with advanced optics for tunnel lighting application. It is ideal LED solution for traditional tunnel lights replacement with excellent energy saving. Well-designed optical system and robust construction ensure the luminaire working well at 7x24hours condition in harsh tunnel application. Die-cast housing with +/-60° adjustable brackets, IP66 rating and 10kV surge protection ensure the reliability for extreme outdoor environments.

Benefits

Advanced optical design – less luminaires, better lighting performance

- Symmetrical lighting distributions for all tunnel applications

- Flicker free to ensure the traffic safety

- High efficacy up to 125lm/W for energy saving

Full product range for various applications

- Power range from 120W to 360W

- Choice of CCT 3000K/4000K/5700K

- 0-10V dim and DALI versions available on request

High reliable and easy installation

- Long life time 50,000 hours @ Ta35C, L70

- Robust die-cast housing

- +/-60° adjustable installation brackets

Applications

- Tunnel light

TunnelLight-2

Technical Data

Optical Specifications

Power	120W	150W	180W	200W	240W	280W	300W	320W	360W
Luminous Flux (@4000K)	15000lm	18750lm	22500lm	25000lm	30000lm	35000lm	37500lm	40000lm	45000lm
Efficacy (@4000K)	>125 lm/W								
CCT	3000/4000/5700K								
SDCM	CRI > 70								
SDCM	5								
Lighting distributions	Symmetric								

Electrical and Mechanical Specifications

Input Voltage	100-240V AC 50/60Hz		
Power Consumption	120W/150W/180W	200W/240W/280W	300W/320W/360W
Power Factor	0.95		
Surge protection	Line-to-line 5KV, line-to-earth 10KV		
Total Harmonic Distortion	20%		
Dimension (mm)	L656*W288*H202	L920*W288*H202	L1188*W288*H202
Weight (kg)	5.1	7.8	9.3
Cover Lens	PC Lens (glass cover version available on request)		
Housing	Silver grey/blue grey 6063 extruded aluminum		

System Specifications

Power	AC line
Dimmable	On/off (1-10V, DALI available on request)
Installation	Surface mounting
Operating Temperature	-30°C to +50°C
Storage Temperature	-40°C to +80°C
Environment	Outdoor (IP66, IK08)
Lumen Maintenance	L70 @35°C - 50,000hrs
Safety Approval	Electrical Protection Class I, CQC

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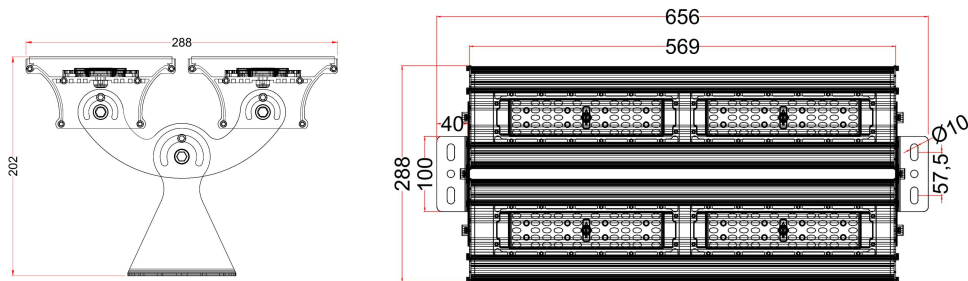
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Dimensions

120W/150W/180W

L656*W288*H202



200W/240W/280W

L920*W288*H202



300W/320W/360W

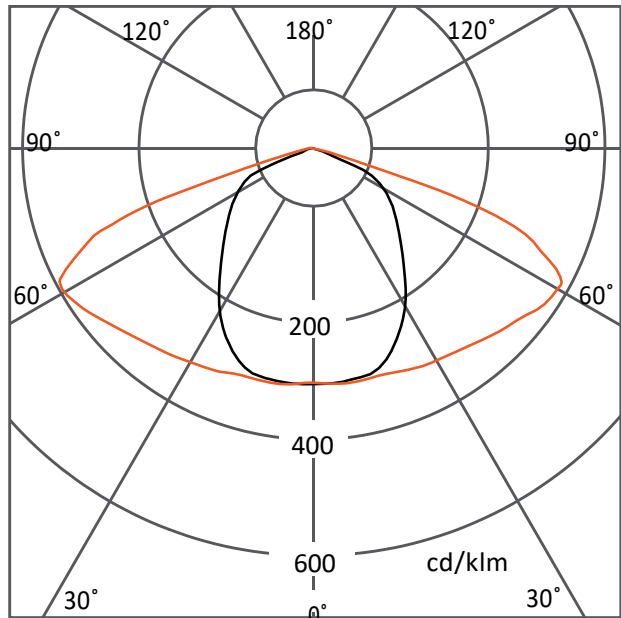
L1188*W288*H202



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Photometrics

Light Distribution Curve
140° x 90°



Illuminance at a distance

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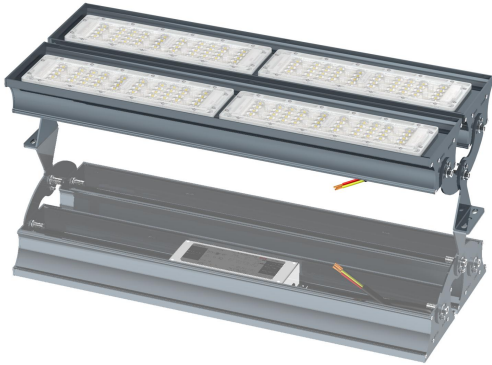
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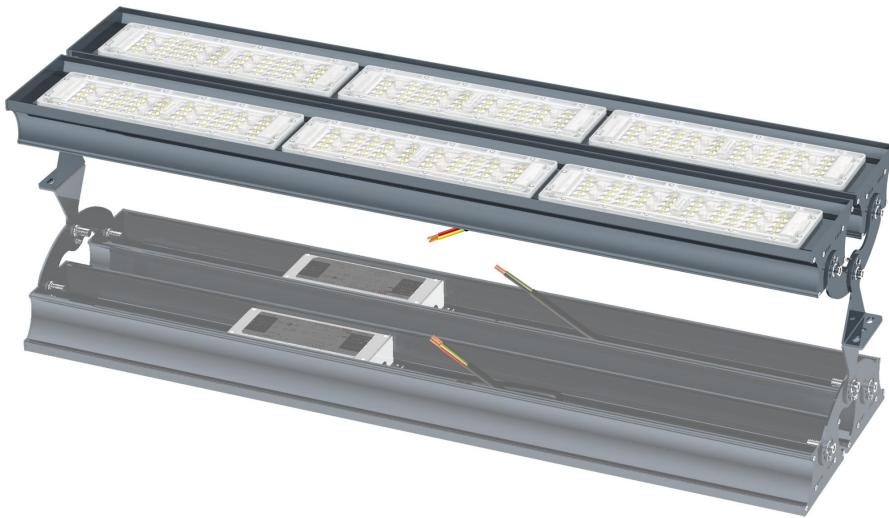
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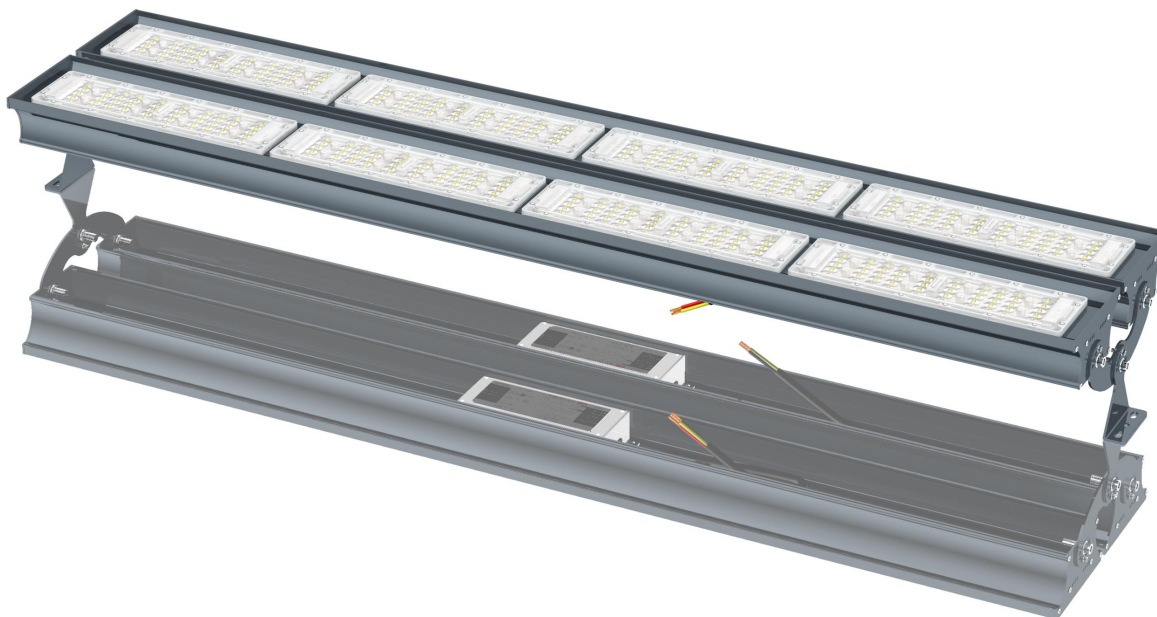
Product pictures



120W/150W/180W



200W/240W/280W



300W/320W/360W