

Simplitz[®] Tunnel Light Datasheet



CB

Simplitz[®] 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 120lm/W for energy saving

Full product range for various applications

- Power range from 30W to 150W
- 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

Simplitz® Tunnel Light

Technical Data

Optical Specifications

	30W	60W	90W	120W	150W
Luminous Flux (@4000K)	3600 lm	7200 lm	10800 lm	14400 lm	18000 lm
Efficacy (@4000K)	>120 lm/W				
CCT	3000/4000/5700K				
CRI	CRI > 70				
SDCM	5				
Lighting distributions	Symmetric				

Electrical and Mechanical Specifications

Input Voltage	100-240V AC 50/60Hz				
Power Consumption	30W	60W	90W	120W	150W
Power Factor	0.95				
Surge protection	Line-to-line 5KV, line-to-earth 10KV				
Total Harmonic Distortion	20%				
Dimension (mm)	311 x 138 x 157	402 x 138 x 157	546 x 138 x 157	734 x 138 x 157	734 x 138 x 157
Weight (kg)	2.5	2.7	3.8	4.3	4.3
Cover Lens	PC Lens (glass cover version available on request)				
Housing	Die-casting in gray RAL9007				

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, CB

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.

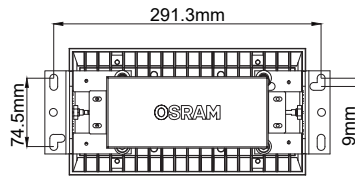
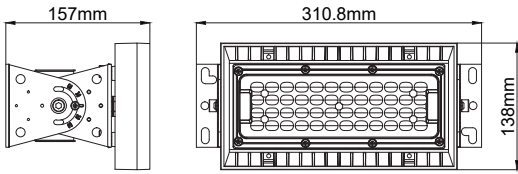
Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

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

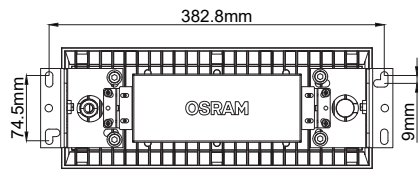
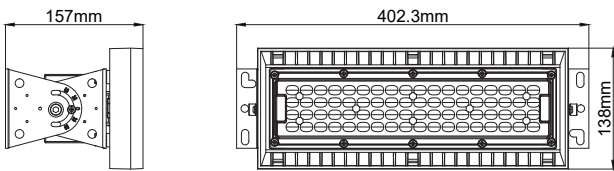
Simplitz® Tunnel Light

Dimensions

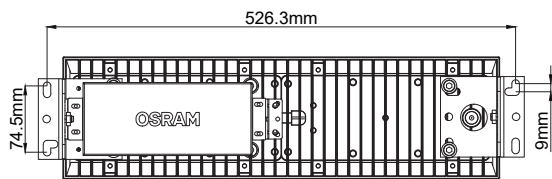
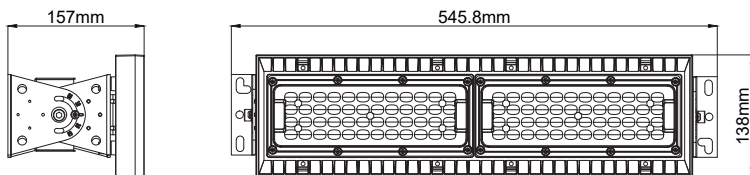
30W



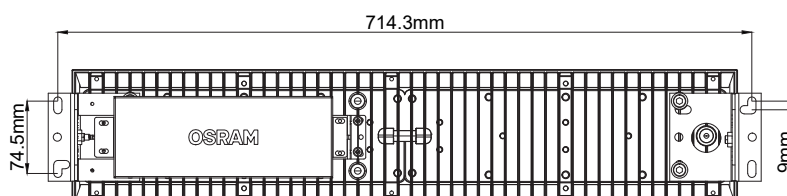
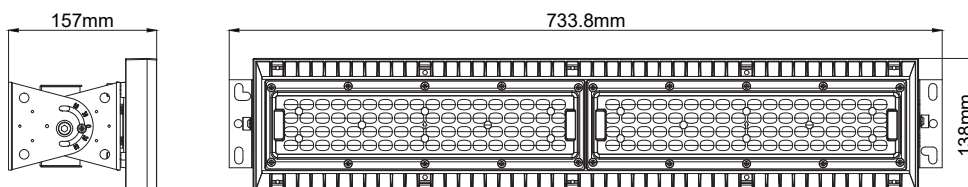
60W



90W



120W/150W

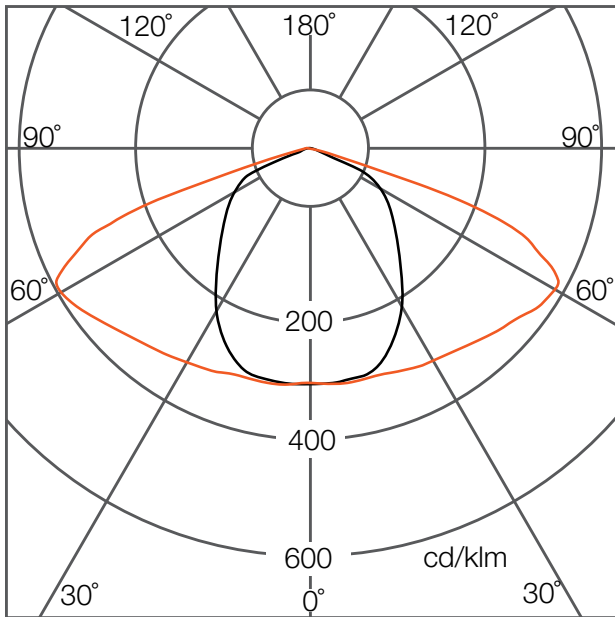


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Photometrics

Light Distribution Curve

140° x 90°



Illuminance at a distance

	Center Beam Lux/klm	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

Fixture

Short Text	Power	CCT	Material	EAN40
SIM TL 150W 757 140X90D VS1 OSRAM	150W	5700K	AM216450055	4062172004800
SIM TL 150W 740 140X90D VS1 OSRAM	150W	4000K	AM216440055	4062172004794
SIM TL 150W 730 140X90D VS1 OSRAM	150W	3000K	AM216430055	4062172004787
SIM TL 120W 757 140X90D VS1 OSRAM	120W	5700K	AM216420055	4062172004589
SIM TL 120W 740 140X90D VS1 OSRAM	120W	4000K	AM216410055	4062172004572
SIM TL 120W 730 140X90D VS1 OSRAM	120W	3000K	AM216400055	4062172004565
SIM TL 90W 757 140X90D VS1 OSRAM	90W	5700K	AM216390055	4062172004558
SIM TL 90W 740 140X90D VS1 OSRAM	90W	4000K	AM216380055	4062172004541
SIM TL 90W 730 140X90D VS1 OSRAM	90W	3000K	AM216370055	4062172004534
SIM TL 60W 757 140X90D VS1 OSRAM	60W	5700K	AM216360055	4062172004527
SIM TL 60W 740 140X90D VS1 OSRAM	60W	4000K	AM216350055	4062172004510
SIM TL 60W 730 140X90D VS1 OSRAM	60W	3000K	AM216340055	4062172004503
SIM TL 30W 757 140X90D VS1 OSRAM	30W	5700K	AM216330055	4062172004497
SIM TL 30W 740 140X90D VS1 OSRAM	30W	4000K	AM216320055	4062172004480
SIM TL 30W 730 140X90D VS1 OSRAM	30W	3000K	AM216310055	4062172004473