LEDCOMFO® Waterproof

Datasheet

IP65

LEDCOMFO® Waterproof series is a robust luminaire suitable for humid and dusty environments. LED technology offers excellent energy-saving comparing to traditional fluorescent tubes. LEDCOMFO® Waterproof series is an ideal choice to replace conventional waterproof.

Benefits

Unique prismatic lens

- 4 wattage ranges
- Lumen output from 2,500lm to 8,400lm
- Color temperature 3000K/4000K/5700K/6500K
- ON/OFF and DALI version

Robust and reliable

- 50,000hrs lifetime
- IP65, IK08 rated

Safe and efficient

- System efficacy up to 140lm/W
- Durable dual extrusion PC

Applications

- Factories
- Warehouse
- Underpasses
- Car parks

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LEDCOMFO® Waterproof

Technical Data

Optical Specifications

		L1200		L1500	
		18W	**29W**	**43W**	**60W**
Luminous Flux	@4000K	2500 lm	4000 lm	6000 lm	8400 lm
Efficacy	@4000K	140lm/w			
CCT		3000K, 4000K, 6500K			
CRI		>80			
SDCM		<5			
UGR		≤27			
Beam Angle	@ON/OFF	120°			

Electrical and Mechanical Specifications

Input Voltage		220-240V AC 50/60Hz			
Power Consumption		18W	29W	43W	60W
Power Factor		>0.95			
Total Harmonic Distortion		<20%			
Surge Protection		Line-to-line 1KV, line-to-ground 2KV			
Dimensions (mm)	**Length**	1265		1565	
	Width	65		65	
	Height	70		70	
Weight		1.0kg		1.2kg	
Cover Lens		PC			
Housing		PC housing			

System Specifications

Power	220-240V AC 50/60Hz
Control	ON/OFF, DALI
Mounting	Surface, suspended mounting
Operating Temperature	–30°C to +40°C
Storage Temperature	–30°C to +80°C
Environment	Indoor (IP65, IK08)
Lumen Maintenance	L70@25°C - 50,000hrs
Safety Approval	Electrical Protection Class I, CE, UKCA, RoHS
Warranty	5 Years

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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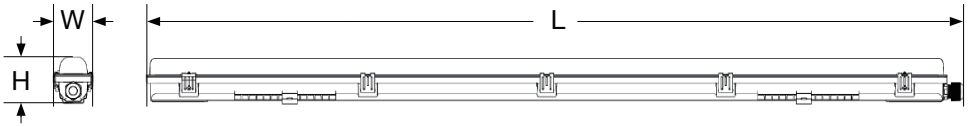
Dimension (Unit: mm)



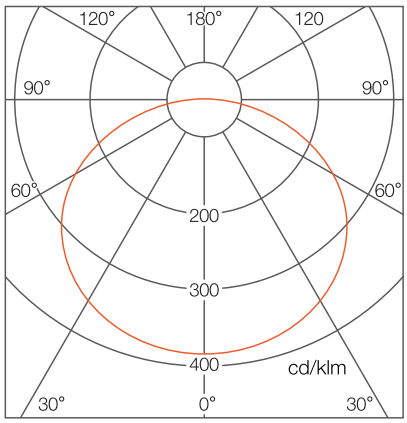
Dimensions

	18W	29W	43W	60W
L	1265mm	1265mm	1565mm	1565mm
W	65mm	65mm	65mm	65mm
H	70mm	70mm	70mm	70mm

LEDCOMFO® Waterproof

Photometrics

Light Distribution Curve



Illuminance at Distance

	Center Beam Lux/klm	Beam Width
0.5m	925	1.98
1.0m	231	3.96
1.5m	103	5.94
2.0m	58	7.92
2.5m	37	9.90
3.0m	26	11.88

● Horiz.Spread:126.4°

For feet multiply by 3.28

For fc divide by 10.7

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Ordering Codes

Fixture

Short Text	Power	Size	CCT	Beam angle	Material
LCM WP 18W 830 L1200 VS9 OSRAM	18W	L1200	3000K	120	GL23100090255
LCM WP 18W 840 L1200 VS9 OSRAM	18W	L1200	4000K	120	GL23100090355
LCM WP 18W 857 L1200 VS9 OSRAM	18W	L1200	5700K	120	GL23100090455
LCM WP 18W 865 L1200 VS9 OSRAM	18W	L1200	6500K	120	GL23100090555
LCM WP 29W 830 L1200 VS9 OSRAM	29W	L1200	3000K	120	GL23100090655
LCM WP 29W 840 L1200 VS9 OSRAM	29W	L1200	4000K	120	GL23100090755
LCM WP 29W 857 L1200 VS9 OSRAM	29W	L1200	5700K	120	GL23100090855
LCM WP 29W 865 L1200 VS9 OSRAM	29W	L1200	6500K	120	GL23100090955
LCM WP 43W 830 L1500 VS9 OSRAM	43W	L1500	3000K	120	GL23100091055
LCM WP 43W 840 L1500 VS9 OSRAM	43W	L1500	4000K	120	GL23100091155
LCM WP 43W 857 L1500 VS9 OSRAM	43W	L1500	5700K	120	GL23100091255
LCM WP 43W 865 L1500 VS9 OSRAM	43W	L1500	6500K	120	GL23100091355
LCM WP 60W 830 L1500 VS9 OSRAM	60W	L1500	3000K	120	GL23100091455
LCM WP 60W 840 L1500 VS9 OSRAM	60W	L1500	4000K	120	GL23100091555
LCM WP 60W 857 L1500 VS9 OSRAM	60W	L1500	5700K	120	GL23100091655
LCM WP 60W 865 L1500 VS9 OSRAM	60W	L1500	6500K	120	GL23100091755
LCM WP 18W 830 L1200 DA VS9 OSRAM	18W	L1200	3000K	120	GL23100091855
LCM WP 18W 840 L1200 DA VS9 OSRAM	18W	L1200	4000K	120	GL23100091955
LCM WP 18W 857 L1200 DA VS9 OSRAM	18W	L1200	5700K	120	GL23100092055
LCM WP 18W 865 L1200 DA VS9 OSRAM	18W	L1200	6500K	120	GL23100092155
LCM WP 29W 830 L1200 DA VS9 OSRAM	29W	L1200	3000K	120	GL23100092255
LCM WP 29W 840 L1200 DA VS9 OSRAM	29W	L1200	4000K	120	GL23100092355
LCM WP 29W 857 L1200 DA VS9 OSRAM	29W	L1200	5700K	120	GL23100092455
LCM WP 29W 865 L1200 DA VS9 OSRAM	29W	L1200	6500K	120	GL23100092555
LCM WP 43W 830 L1500 DA VS9 OSRAM	43W	L1500	3000K	120	GL23100092655
LCM WP 43W 840 L1500 DA VS9 OSRAM	43W	L1500	4000K	120	GL23100092755
LCM WP 43W 857 L1500 DA VS9 OSRAM	43W	L1500	5700K	120	GL23100092855
LCM WP 43W 865 L1500 DA VS9 OSRAM	43W	L1500	6500K	120	GL23100092955
LCM WP 60W 830 L1500 DA VS9 OSRAM	60W	L1500	3000K	120	GL23100093055
LCM WP 60W 840 L1500 DA VS9 OSRAM	60W	L1500	4000K	120	GL23100093155
LCM WP 60W 857 L1500 DA VS9 OSRAM	60W	L1500	5700K	120	GL23100093255
LCM WP 60W 865 L1500 DA VS9 OSRAM	60W	L1500	6500K	120	GL23100093355

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