

ECOFITZ™ LED Water-proof Datasheet



ECOFITZ™ LED Water-proof series is a robust luminaire suitable for humid and dusty environments. LED technology offers excellent energy saving comparing to traditional fluorescent tubes. ECOFITZ™ LED Water-proof series is an ideal choice to replace conventional water-proof in semi-outdoor applications.

Benefits

Unique prismatic lens

- Soft light beam for high visual comfort

Reliable

- IP65 water-proof
- Durable dual extrusion PC

Highly energy efficient and low maintenance

- Efficacy up to 110 lm/W
- 30,000hrs lifetime

Flexible mounting options

- Surface and suspended mounting

Applications

- Factories
- Warehouses
- Underpasses
- Car parks
- Other semi-outdoor applications

ECOFITZ™ LED Water-proof

Technical Data

Optical Specifications

		20W	40W	48W
Luminous Flux	4000K	2000 lm	4200 lm	5000 lm
	5700K	2100 lm	4400 lm	5280 lm
Efficacy	4000K	100 lm/W	105 lm/W	105 lm/W
	5700K	105 lm/W	110 lm/W	110 lm/W
CCT	4000K, 5700K			
CRI	≥80			
SDCM	<5			
Beam Angle	108° × 103°			

Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz		
Power Consumption	20W	40W	48W
Power Factor	≥0.95		
Surge Protection	Line-to-line	0.5KV	1KV
	Line-to-ground	1KV	2KV
Total Harmonic Distortion	<15%	<25%	<25%
Dimensions (L × W × H)	590mm × 83mm × 64mm	1170mm × 83mm × 64mm	1450mm × 83mm × 64mm
	Weight	0.6kg	1kg
Cover Lens	PC diffuser		
Housing	PC housing, PC end cap, grey		

System Specifications

Power	AC line
Dimmable	ON/OFF only
Installation	Surface, suspended mounting
Operating Temperature	-20°C to +40°C
Storage Temperature	-40°C to +80°C
Environment	Outdoor (IP65)
Lumen Maintenance	L70 @25°C - 30,000hrs
Safety Approval	Electrical Protection Class I, CB, CE, CCC, Photo-biological safety, RoHS

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.

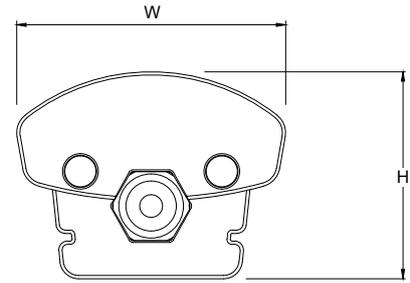
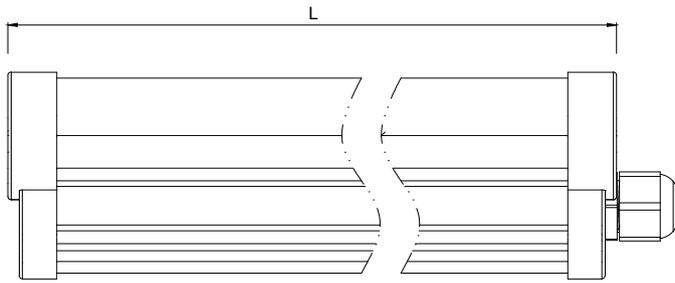
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2 of 4

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Dimensions

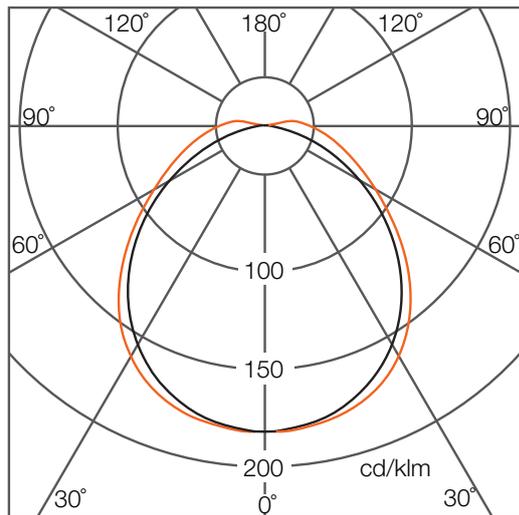


Dimensions

	20W	40W	48W
L	590mm	1170mm	1450mm
W	83mm		
H	64mm		

Photometrics

Light Distribution Curve (4000K, 5700K)



Illuminance at a distance (4000K, 5700K)

Distance (m)	Center Beam Lux/klm	Beam Width	
		V	H
0.5m	1472	1.26m	1.38m
1m	368	2.52m	2.76m
1.5m	164	3.79m	4.14m
2m	92	5.05m	5.53m
2.5m	59	6.31m	6.91m
3m	41	7.57m	8.29m

- Vert. Spread: 103.2°
 - Horiz. Spread: 108.2°
- 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	Length	CCT	Material	EAN10	EAN40	Quantity
ECOFITZ LED WP 600 20W C840 12X1 OSRAM	20W	590mm	4000K	AM014210055	4052899467309	4052899467316	12
ECOFITZ LED WP 600 20W C857 12X1 OSRAM	20W	590mm	5700K	AM014220055	4052899467323	4052899467330	12
ECOFITZ LED WP 1200 40W C840 9X1 OSRAM	40W	1170mm	4000K	AM014230055	4052899467347	4052899467354	9
ECOFITZ LED WP 1200 40W C857 9X1 OSRAM	40W	1170mm	5700K	AM014240055	4052899467361	4052899467378	9
ECOFITZ LED WP 1500 48W C840 9X1 OSRAM	48W	1450mm	4000K	AM014250055	4052899467385	4052899467392	9
ECOFITZ LED WP 1500 48W C857 9X1 OSRAM	48W	1450mm	5700K	AM014260055	4052899467408	4052899467415	9