

## LED COMFO® Waterproof Datasheet



### IP65

LED COMFO® Waterproof series is a robust luminaire suitable for humid and dusty environments. LED technology offers excellent energy-saving comparing to traditional fluorescent tubes. LED COMFO® 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

# LED COMFO® 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                        |
| Installation          | 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, 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.

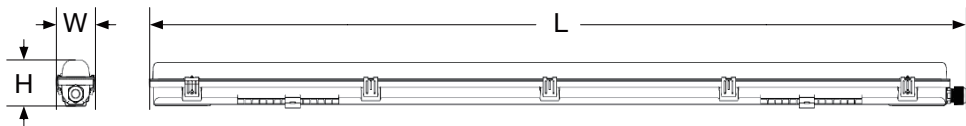
Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

v1.0 07/23- Official authorized licensee of the OSRAM trademark.

Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

# LEDCOMFO® Waterproof

Dimension (Unit: mm)



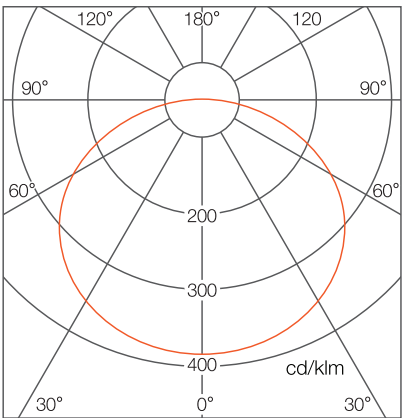
## Dimensions

|   | 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      |

For feet multiply by 3.28

● Horiz.Spread:126.4°  
For fc divide by 10.7

# LED COMFO® Waterproof

## 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 |

