

# PRODUCT DATASHEET

## DL UGR19 PFM DN155 14 W 840 WT IP54

**DOWNLIGHT UGR19 | Low-glare downlights, suitable for computer screen workstations**



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### AREAS OF APPLICATION

- Suitable for office applications, especially for computer screen workplaces
- Direct replacement for luminaires with compact fluorescent lamps
- Entrances / Hallways
- Bathrooms, kitchens and sheltered outdoor areas
- General illumination

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### PRODUCT BENEFITS

- Good glare reduction ( $UGR < 19$ ) and cut off angle up to  $30^\circ$  for comfortable indoor lighting
- DALI 2.0 IoT driver already installed with individual luminaire current set-up (DALI version)
- Suitable for use in dusty and damp locations thanks to high IP rating

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### PRODUCT FEATURES

- Available in 2 versions: with on/off driver and with DALI 2.0 IoT driver
- Housing material: Aluminum mirror-fished reflector
- Type of protection: IP54 (room side) / IP20 (back side)
- Connector box with push wire terminal for tool-free connection
- Through-wiring possible



## TECHNICAL DATA

### Electrical data

|                                          |                     |
|------------------------------------------|---------------------|
| Nominal wattage                          | 14.00 W             |
| Operating mode                           | External LED driver |
| Nominal voltage                          | 220...240 V         |
| Power factor $\lambda$                   | $\geq 0.90$         |
| Mains frequency                          | 50/60 Hz            |
| Max. no. of lum. on circuit break. B16 A | 120                 |
| Max. no. of lum. on circuit break. C10 A | 80                  |
| Max. no. of lum. on circuit break. C16 A | 120                 |
| Inrush current                           | 20 A                |
| Total harmonic distortion                | < 15 %              |
| Inrush current time $T_{h50}$            | 200 $\mu$ s         |

### Luminaire control gear data

|                             |        |
|-----------------------------|--------|
| Low flicker                 | Yes    |
| ECG - Length                | 114 mm |
| ECG - Width                 | 45 mm  |
| Output current              | 450 mA |
| ECG - Output ripple current | <10 %  |

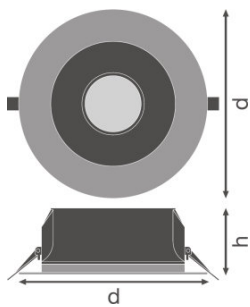
### Photometrical data

|                                      |               |
|--------------------------------------|---------------|
| Color temperature                    | 4000 K        |
| Luminous flux                        | 1600 lm       |
| Luminous efficacy                    | 115 lm/W      |
| Standard deviation of color matching | $\leq 5$ sdcn |
| Light color (designation)            | Cool White    |
| Color rendering index Ra             | $\geq 80$     |

### Light technical data

|                  |         |
|------------------|---------|
| Beam angle       | 65.00 ° |
| UGR lateral      | <19     |
| UGR longitudinal | <19     |

Dimensions & weight



|                   |          |
|-------------------|----------|
| Diameter          | 180.0 mm |
| Height            | 65.0 mm  |
| Product weight    | 650.00 g |
| Mounting diameter | 155.0 mm |

Colors & materials

|                                 |                    |
|---------------------------------|--------------------|
| Body material                   | Aluminum           |
| Product color                   | White              |
| Housing color                   | White              |
| Cover material                  | Polycarbonate (PC) |
| Light emitting surface material | Polycarbonate      |

Temperatures & operating conditions

|                           |              |
|---------------------------|--------------|
| Ambient temperature range | -20...+45 °C |
|---------------------------|--------------|

Lifespan

|                            |         |
|----------------------------|---------|
| Number of switching cycles | 100000  |
| Lifespan L70/B50 at 25 °C  | 70000 h |
| Lifespan L80/B10 at 25 °C  | 60000 h |
| Lifespan L90/B10 at 25 °C  | 40000 h |

Additional product data

|                          |                                   |
|--------------------------|-----------------------------------|
| Mounting type            | Recessed                          |
| Mounting location        | Ceiling                           |
| Recommended control gear | OSRAM OTI DALI 50/220-240/1A4 NFC |
| Low flicker              | Yes                               |
| Product remark           | Available from September 2020     |

Capabilities

|                               |                    |
|-------------------------------|--------------------|
| <b>Dimmable</b>               | No                 |
| <b>Type of connection</b>     | Screwless terminal |
| <b>LED module replaceable</b> | Not replaceable    |

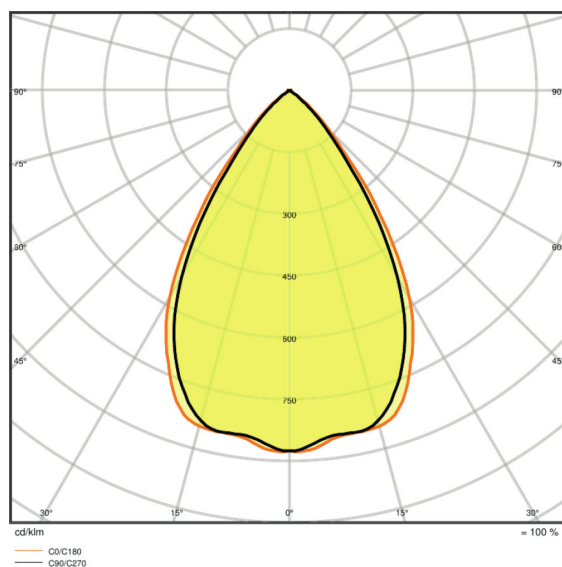
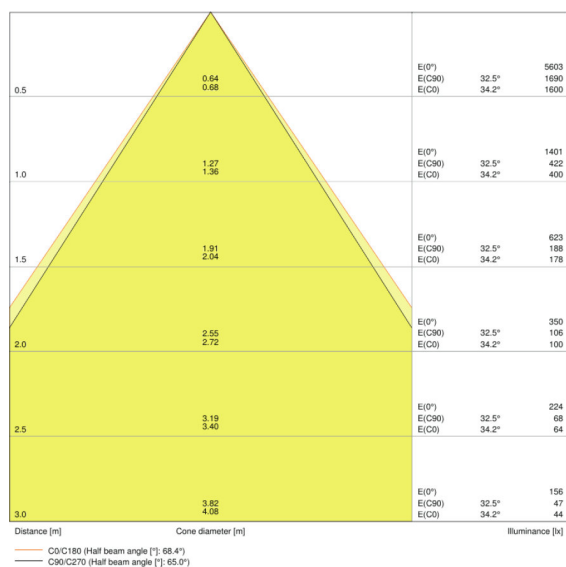
### Certificates & standards

|                                                |                             |
|------------------------------------------------|-----------------------------|
| <b>Protection class IK (shock resistance)</b>  | IK03                        |
| <b>Glow Wire Test according to IEC 695-2-1</b> | 650 °C                      |
| <b>Photobiological safety group EN62778</b>    | RG 1                        |
| <b>Photobio. safety group acc. to EN62471</b>  | RG 0                        |
| <b>Protection class</b>                        | II                          |
| <b>Type of protection</b>                      | IP54/IP20                   |
| <b>Standards</b>                               | CE/CB/ENEC/TÜV SÜD/EAC/RoHS |

### Logistical data

|                                     |              |
|-------------------------------------|--------------|
| <b>Temperature range at storage</b> | -40...+70 °C |
|-------------------------------------|--------------|

### Light Distribution



LDC typ cone

LDC typ polar

### EQUIPMENT / ACCESSORIES

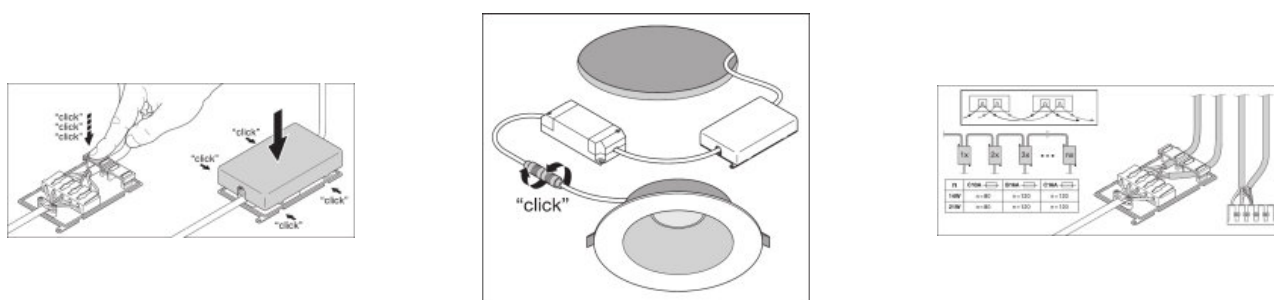
- External control gear included

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075459151 | Folding carton box<br>1      | 215 mm x 84 mm x 219 mm              | 850.00 g     | 3.96 dm <sup>3</sup>   |
| 4058075459168 | Shipping carton box<br>24    | 526 mm x 449 mm x 468 mm             | 21806.00 g   | 110.53 dm <sup>3</sup> |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

#### ADDITIONAL CATALOG INFORMATION



#### DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.