

# PRODUCT FAMILY DATASHEET

## 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-finished 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

| Product description                                    | Electrical data |                 |                 | Luminaire control gear data |              |             |               |                             |
|--------------------------------------------------------|-----------------|-----------------|-----------------|-----------------------------|--------------|-------------|---------------|-----------------------------|
|                                                        | Nominal wattage | Nominal voltage | Mains frequency | Low flicker                 | ECG - Length | ECG - Width | Ouput current | ECG - Output ripple current |
| DL UGR19 PFM DN155 14 W 830 WT IP54 <sup>1)</sup>      | 14.00 W         | 220...240 V     | 50/60 Hz        | Yes                         | 114 mm       | 45 mm       | 450 mA        | <10 %                       |
| DL UGR19 PFM DN155 14 W 840 WT IP54 <sup>1)</sup>      | 14.00 W         | 220...240 V     | 50/60 Hz        | Yes                         | 114 mm       | 45 mm       | 450 mA        | <10 %                       |
| DL UGR19 PFM DN195 21 W 830 WT IP54 <sup>1)</sup>      | 21.00 W         | 220...240 V     | 50/60 Hz        | Yes                         | 114 mm       | 45 mm       | 700 mA        | <10 %                       |
| DL UGR19 PFM DN195 21 W 840 WT IP54 <sup>1)</sup>      | 21.00 W         | 220...240 V     | 50/60 Hz        | Yes                         | 114 mm       | 45 mm       | 700 mA        | <10 %                       |
| DL UGR19 PFM DN155 14 W 830 WT IP54 DALI <sup>2)</sup> | 14.00 W         | 220...240 V     | 0/50/60 Hz      | Yes                         | 119 mm       | 52 mm       | 450 mA        | <10 %                       |
| DL UGR19 PFM DN155 14 W 840 WT IP54 DALI <sup>2)</sup> | 14.00 W         | 220...240 V     | 0/50/60 Hz      | Yes                         | 119 mm       | 52 mm       | 450 mA        | <10 %                       |
| DL UGR19 PFM DN195 21 W 830 WT IP54 DALI <sup>2)</sup> | 21.00 W         | 220...240 V     | 0/50/60 Hz      | Yes                         | 119 mm       | 52 mm       | 700 mA        | <10 %                       |
| DL UGR19 PFM DN195 21 W 840 WT IP54 DALI <sup>2)</sup> | 21.00 W         | 220...240 V     | 0/50/60 Hz      | Yes                         | 119 mm       | 52 mm       | 700 mA        | <10 %                       |

|                                                   | Photometrical data |                           |                          | Light technical data | Dimensions & weight |         |                |                   | Colors & materials |
|---------------------------------------------------|--------------------|---------------------------|--------------------------|----------------------|---------------------|---------|----------------|-------------------|--------------------|
| Product description                               | Luminous flux      | Light color (designation) | Color rendering index Ra | Beam angle           | Diameter            | Height  | Product weight | Mounting diameter | Body material      |
| DL UGR19 PFM DN155 14 W 830 WT IP54 <sup>1)</sup> | 1500 lm            | Warm White                | ≥80                      | 65.00 °              | 180.0 mm            | 65.0 mm | 650.00 g       | 155.0 mm          | Aluminum           |
| DL UGR19 PFM DN155 14 W 840 WT IP54 <sup>1)</sup> | 1600 lm            | Cool White                | ≥80                      | 65.00 °              | 180.0 mm            | 65.0 mm | 650.00 g       | 155.0 mm          | Aluminum           |
| DL UGR19 PFM DN195 21 W 830 WT IP54 <sup>1)</sup> | 2400 lm            | Warm White                | ≥80                      | 65.00 °              | 220.0 mm            | 82.0 mm | 900.00 g       | 195.0 mm          | Aluminum           |

|                                                        | Photometrical data |                           |                          | Light technical data | Dimensions & weight |         |                |                   | Colors & materials |
|--------------------------------------------------------|--------------------|---------------------------|--------------------------|----------------------|---------------------|---------|----------------|-------------------|--------------------|
| Product description                                    | Luminous flux      | Light color (designation) | Color rendering index Ra | Beam angle           | Diameter            | Height  | Product weight | Mounting diameter | Body material      |
| DL UGR19 PFM DN195 21 W 840 WT IP54 <sup>1)</sup>      | 2520 lm            | Cool White                | ≥80                      | 65.00 °              | 220.0 mm            | 82.0 mm | 900.00 g       | 195.0 mm          | Aluminum           |
| DL UGR19 PFM DN155 14 W 830 WT IP54 DALI <sup>2)</sup> | 1500 lm            | Warm White                | ≥80                      | 65.00 °              | 180.0 mm            | 65.0 mm | 650.00 g       | 155.0 mm          | Aluminum           |
| DL UGR19 PFM DN155 14 W 840 WT IP54 DALI <sup>2)</sup> | 1600 lm            | Cool White                | ≥80                      | 65.00 °              | 180.0 mm            | 65.0 mm | 650.00 g       | 155.0 mm          | Aluminum           |
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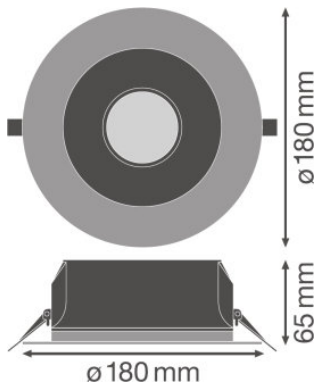
|                                                        |               |               |                    | Temperatures & operating conditions | Lifespan                   |                           |                           |                           |
|--------------------------------------------------------|---------------|---------------|--------------------|-------------------------------------|----------------------------|---------------------------|---------------------------|---------------------------|
| Product description                                    | Housing color | Product color | Cover material     | Ambient temperature range           | Number of switching cycles | Lifespan L70/B50 at 25 °C | Lifespan L80/B10 at 25 °C | Lifespan L90/B10 at 25 °C |
| DL UGR19 PFM DN155 14 W 830 WT IP54 <sup>1)</sup>      | White         | White         | Polycarbonate (PC) | -20...+45 °C                        | 100000                     | 70000 h                   | 60000 h                   | 40000 h                   |
| DL UGR19 PFM DN155 14 W 840 WT IP54 <sup>1)</sup>      | White         | White         | Polycarbonate (PC) | -20...+45 °C                        | 100000                     | 70000 h                   | 60000 h                   | 40000 h                   |
| DL UGR19 PFM DN195 21 W 830 WT IP54 <sup>1)</sup>      | White         | White         | Polycarbonate (PC) | -20...+45 °C                        | 100000                     | 70000 h                   | 60000 h                   | 40000 h                   |
| DL UGR19 PFM DN195 21 W 840 WT IP54 <sup>1)</sup>      | White         | White         | Polycarbonate (PC) | -20...+45 °C                        | 100000                     | 70000 h                   | 60000 h                   | 40000 h                   |
| DL UGR19 PFM DN155 14 W 830 WT IP54 DALI <sup>2)</sup> | White         | White         | Polycarbonate (PC) | -20...+45 °C                        | 100000                     | 70000 h                   | 60000 h                   | 40000 h                   |
| DL UGR19 PFM DN155 14 W 840 WT IP54 DALI <sup>2)</sup> | White         | White         | Polycarbonate (PC) | -20...+45 °C                        | 100000                     | 70000 h                   | 60000 h                   | 40000 h                   |
| DL UGR19 PFM DN195 21 W 830 WT IP54 DALI <sup>2)</sup> | White         | White         | Polycarbonate (PC) | -20...+45 °C                        | 100000                     | 70000 h                   | 60000 h                   | 40000 h                   |

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|--------------------------------------------------------|---------------|---------------|--------------------|-------------------------------------|----------------------------|---------------------------|---------------------------|---------------------------|
|                                                        |               |               |                    | Ambient temperature range           | Number of switching cycles | Lifespan L70/B50 at 25 °C | Lifespan L80/B10 at 25 °C | Lifespan L90/B10 at 25 °C |
| DL UGR19 PFM DN195 21 W 840 WT IP54 DALI <sup>2)</sup> | White         | White         | Polycarbonate (PC) | -20...+45 °C                        | 100000                     | 70000 h                   | 60000 h                   | 40000 h                   |

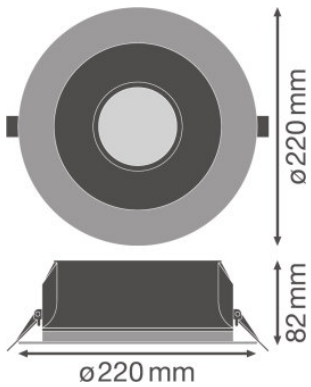
| Product description                                    | Capabilities |                                                 | Certificates & standards |                    | Logistical data              |
|--------------------------------------------------------|--------------|-------------------------------------------------|--------------------------|--------------------|------------------------------|
|                                                        | Dimmable     | Type of connection                              | Protection class         | Type of protection | Temperature range at storage |
| DL UGR19 PFM DN155 14 W 830 WT IP54 <sup>1)</sup>      | No           | Screwless terminal                              | II                       | IP54/IP20          | -40...+70 °C                 |
| DL UGR19 PFM DN155 14 W 840 WT IP54 <sup>1)</sup>      | No           | Screwless terminal                              | II                       | IP54/IP20          | -40...+70 °C                 |
| DL UGR19 PFM DN195 21 W 830 WT IP54 <sup>1)</sup>      | No           | Screwless terminal                              | II                       | IP54/IP20          | -40...+70 °C                 |
| DL UGR19 PFM DN195 21 W 840 WT IP54 <sup>1)</sup>      | No           | Screwless terminal                              | II                       | IP54/IP20          | -40...+70 °C                 |
| DL UGR19 PFM DN155 14 W 830 WT IP54 DALI <sup>2)</sup> | Yes          | Screwless terminal, 5-Pole (L, N, PE, DA+, DA-) | II                       | IP54/IP20          | -40...+70 °C                 |
| DL UGR19 PFM DN155 14 W 840 WT IP54 DALI <sup>2)</sup> | Yes          | Screwless terminal, 5-Pole (L, N, PE, DA+, DA-) | II                       | IP54/IP20          | -40...+70 °C                 |
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| DL UGR19 PFM DN195 21 W 840 WT IP54 DALI <sup>2)</sup> | Yes          | Screwless terminal, 5-Pole (L, N, PE, DA+, DA-) | II                       | IP54/IP20          | -40...+70 °C                 |

<sup>1)</sup> Available from September 2020

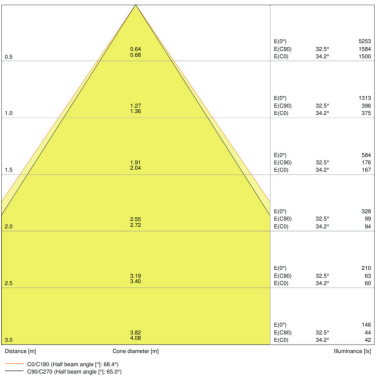
<sup>2)</sup> Available from December 2020



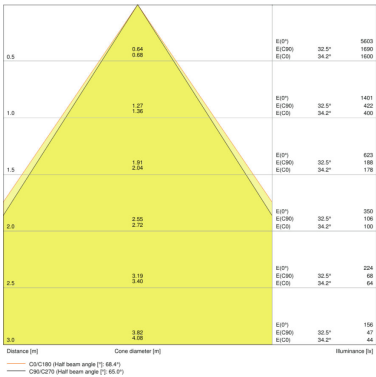
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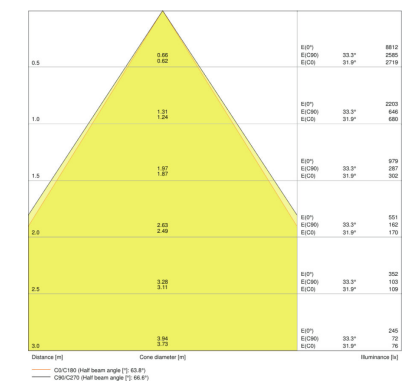
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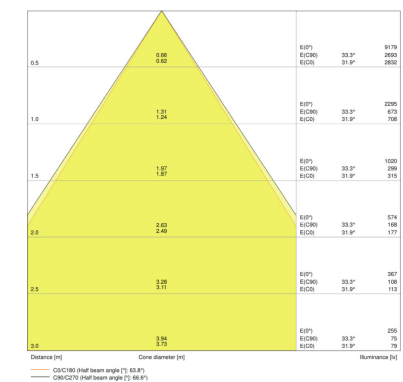
DL UGR19 PFM DN155 14 W 830 WT IP54



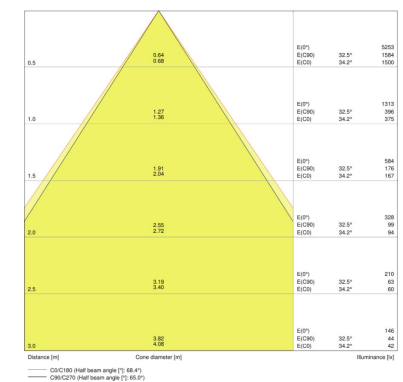
DL UGR19 PFM DN155 14 W 840 WT IP54



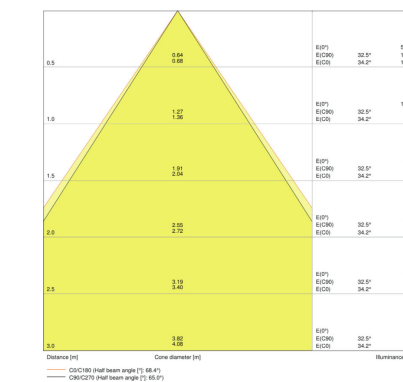
DL UGR19 PFM DN195 21 W 830 WT  
IP54



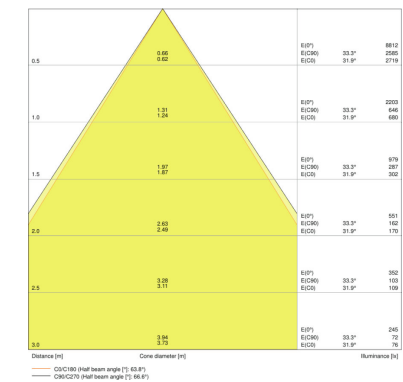
DL UGR19 PFM DN195 21 W 840 WT  
IP54



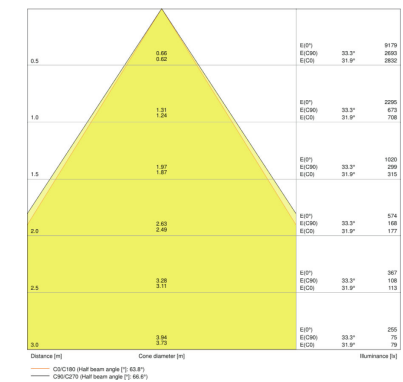
DL UGR19 PFM DN155 14 W 830 WT  
IP54 DALI



DL UGR19 PFM DN155 14 W 840 WT  
IP54 DALI



DL UGR19 PFM DN195 21 W 830 WT  
IP54 DALI



DL UGR19 PFM DN195 21 W 840 WT  
IP54 DALI

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**EQUIPMENT / ACCESSORIES**

- External control gear included

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**APPLICATION ADVICE**

For more detailed application information and graphics please see product datasheet.

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**LOGISTICAL DATA**

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075459144 | Shipping carton box<br>24    | 526 mm x 449 mm x 468 mm             | 21806.00 g   | 110.53 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> |
| 4058075459267 | Shipping carton box<br>16    | 545 mm x 452 mm x 563 mm             | 20749.00 g   | 138.69 dm <sup>3</sup> |
| 4058075459281 | Shipping carton box<br>16    | 545 mm x 452 mm x 563 mm             | 20749.00 g   | 138.69 dm <sup>3</sup> |
| 4058075459304 | Shipping carton box<br>24    | 526 mm x 449 mm x 468 mm             | 21806.00 g   | 110.53 dm <sup>3</sup> |
| 4058075459328 | Shipping carton box<br>24    | 526 mm x 449 mm x 468 mm             | 21806.00 g   | 110.53 dm <sup>3</sup> |
| 4058075459847 | Shipping carton box<br>16    | 545 mm x 452 mm x 563 mm             | 20749.00 g   | 138.69 dm <sup>3</sup> |
| 4058075459861 | Shipping carton box<br>16    | 545 mm x 452 mm x 563 mm             | 20749.00 g   | 138.69 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.

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**DISCLAIMER**

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