

PRODUCT DATASHEET

DL UGR19 PFM DN195 21 W 840 WT IP54 ZBVR

DOWNLIGHT UGR19 ZIGBEE | Low-glare downlights, suitable for computer screen workstations with Zigbee 3.0 technology



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

Product benefits

- Suitable luminaire for VIVARES and other Zigbee 3.0 Light Management Systems
- Good glare reduction (UGR < 19) and cut off angle up to 30° for comfortable indoor lighting
- Easy and quick installation thanks to connector box with 5-pole toolless terminal
- Low flicker light
- Suitable for use in dusty and damp locations thanks to high IP rating
- 5 years guarantee

Product features

- IoT-ready luminaire with Zigbee 3.0 technology
- 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

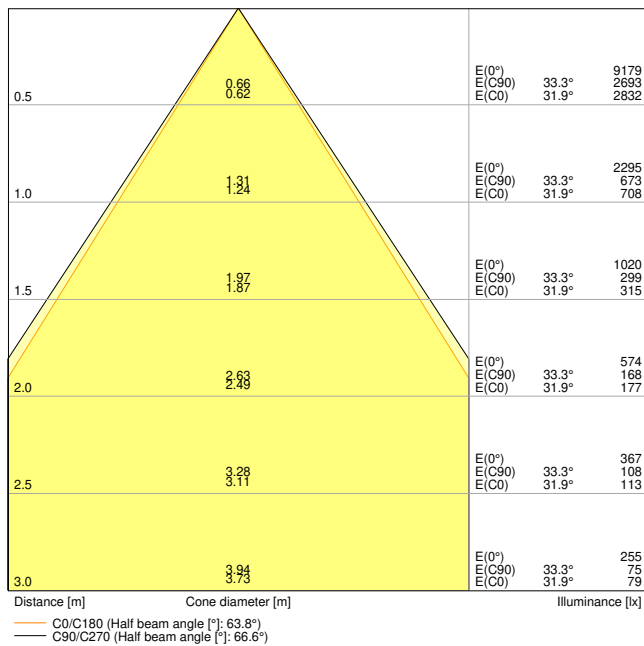
TECHNICAL DATA

Electrical data

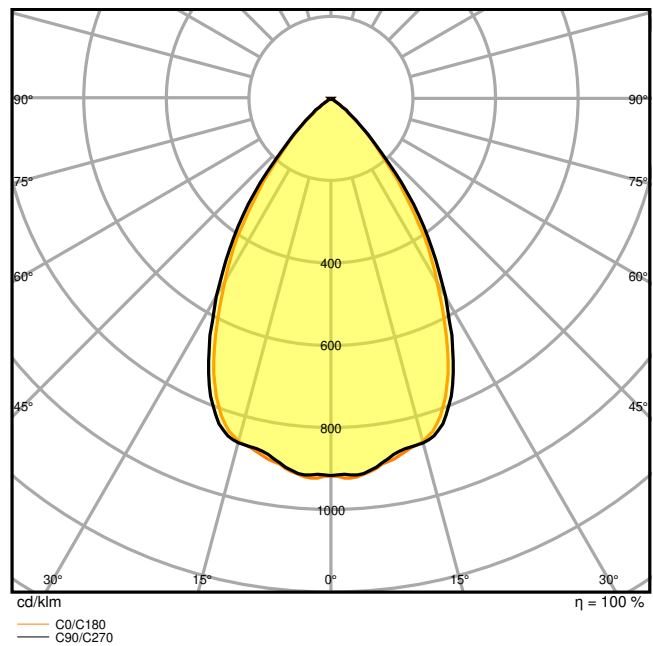
| | |
|-------------------------------------------------------------|---------------------|
| Nominal wattage | 21.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 170 mA |
| Inrush current | 30 A |
| Inrush current time T_{h50} | 200 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 120 |
| Max. number of luminaires per miniature circuit breaker C10 | 80 |
| Max. number of luminaires per miniature circuit breaker C16 | 120 |
| Power factor λ | ≥ 0.90 |
| Total harmonic distortion | < 20 % |
| Protection class | II |
| Operating mode | External LED driver |

Photometrical data

| | |
|----------------------------------------------|---------------------------|
| Luminous flux | 2520 lm |
| Luminous efficacy | 120 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | ≥ 80 |
| Standard deviation of color matching | ≤ 5 sdc _m |
| Luminous intensity | - |
| Low flicker | Yes |
| Flickering metric (Pst LM) | - |
| Stroboscope effect metric (SVM) | - |
| Photobiological safety group acc. to EN62778 | RG1 |
| Photobiological safety group acc. to EN62471 | RG0 |
| Beam angle | 65 ° |
| UGR | < 19 |



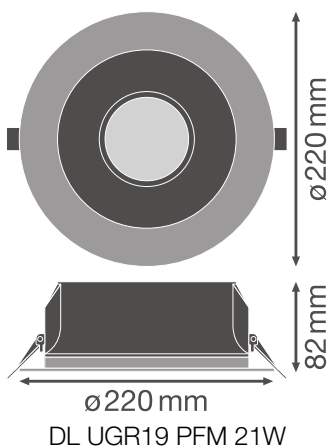
DL_UGR19_DN195_PFM_21W840_ZBVR_WT



DL_UGR19_DN195_PFM_21W840_ZBVR_WT

Dimensions & Weight

| | |
|----------------|-----------|
| Diameter | 220.00 mm |
| Height | 82.00 mm |
| Product weight | 900.00 g |



Materials & Colors

| | |
|--------------------------------------------|--------------------|
| Product color | White |
| Housing color | White |
| Body material | Aluminum |
| Cover material | Polycarbonate (PC) |
| Light emitting surface material | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C |
| Mercury content | 0.0 mg |

Application & Mounting

| | |
|----------------------------------------|-------------------------------------------------|
| Ambient temperature range | -20...+45 °C |
| Temperature range at storage | -40...+70 °C |
| Type of connection | Screwless terminal, 5-Pole (L, N, PE, DA+, DA-) |
| Type of protection | IP54/IP20 |
| Protection class IK (shock resistance) | IK03 |
| Dimmable | Yes |
| Type of dimming | ZIGBEE |
| Mounting type | Recessed |
| Mounting location | Ceiling |
| Application environment | Indoor |
| Mounting diameter | 195,0 mm |
| Mounting depth | 120 mm |
| LED module replaceable | Not replaceable |
| With light source | Yes |

Lifespan

| | |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 70000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 60000 h ¹⁾ |
| Lifespan L90/B10 at 25 °C | 40000 h |
| Number of switching cycles | 100000 |

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

| | |
|-----------------------------|--------|
| Output current | 700 mA |
| ECG - Output ripple current | ≤ 10 % |
| ECG - Length | 180 mm |
| ECG - Width | 44 mm |

| | |
|--------------|-------|
| ECG - Height | 33 mm |
|--------------|-------|

Certificates & Standards

| | |
|------------------------------------------------------|--------------------------------|
| Standards | CE / CB / ENEC / TÜV SÜD / EAC |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |







Additional product data





| | |
|-----------------------|--------------|
| Number of illuminants | Not relevant |
|-----------------------|--------------|









EQUIPMENT / ACCESSORIES

– External control gear included

DOWNLOAD DATA

| Documents and certificates | | Document name |
|------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|
|  | User Instruction | DL UGR19 PFM |
|  | Addon Technical Information | LSI DL UGR19 PFM |
|  | Extended installation guide | Quick Installation Guide Vlvares Zigbee |
|  | Legal information | Legal insert DL UGR19 PFM |
|  | Declarations of conformity | EU Declaration of Conformity |
|  | Declarations Of Conformity UKCA | DL UGR19 PFM WT |

| Photometric and lighting design files | | Document name |
|------------------------------------------------------------------------------------|---------------------|------------------------------------|
|  | IES file (IES) | DL UGR19 DN195 PFM 21W 840 ZBVR WT |
|  | LDT file (Eulumdat) | DL UGR19 DN195 PFM 21W 840 ZBVR WT |
|  | ULD file (DIALux) | DL UGR19 DN195 PFM 21W-840 ZBVR WT |
|  | ROLF file (RELUX) | DL UGR19 DN195 PFM 21W-840 |

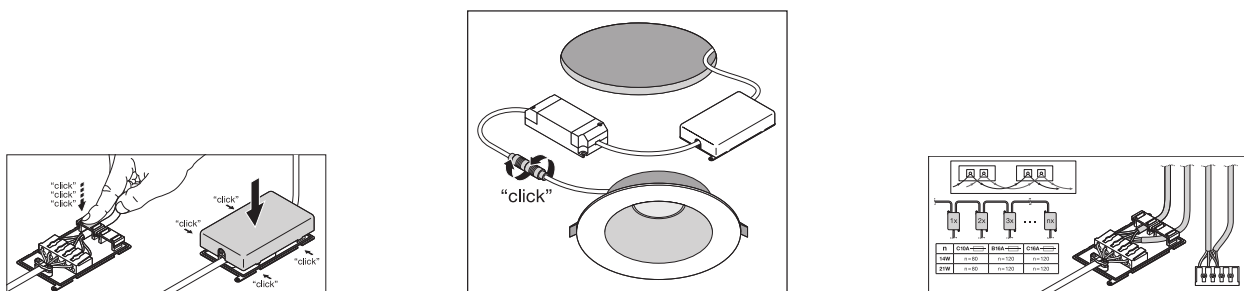
| Photometric and lighting design files | | Document name |
|------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------|
|  | UGR file (UGR table) | DL UGR19 DN195 PFM 21W840 ZBVR WT |
|  | UGR file (UGR table) | DL UGR19 DN195 PFM 21W 840 ZBVR WT |
|  | UGR file (UGR table) | DL_UGR19_DN195_PFM_21W840_ZBVR_WT |
|  | LDC typ cone | DL_UGR19_DN195_PFM_21W840_ZBVR_WT |
|  | LDC typ polar | DL_UGR19_DN195_PFM_21W840_ZBVR_WT |
| CAD/BIM files | | Document name |
|  | BIM_Revit_3D | DL UGR19 |
|  | CAD_STEP_3D | DL UGR19 21W |
| Tender texts | | Document name |
|  | Tender documents | DOWNLIGHT UGR19 ZIGBEE DN195 21 W 840 WT IP54 ZBVR-EN |

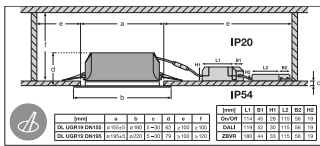
LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075459397 | Folding box 1 | 262 mm x 108 mm x 266 mm | 1197.00 g | 7.53 dm ³ |
| 4058075459403 | Shipping box 16 | 545 mm x 452 mm x 563 mm | 20749.00 g | 138.69 dm ³ |

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





References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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