# PRODUCT DATASHEET
# DP VAL 1500 50W 4000K IP65

## DAMP PROOF VALUE | Damp-proof luminaires, classic shape

## Areas of application

– Industrial and storage facilities
– Car parks and underpasses
– Garages
– Workshops, assembly lines

VALUE
CLASS

## Product benefits

– Uniform light distribution
– Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
– Easy installation, no tools required for connection
– 3 years guarantee

## Product features

– High luminous efficacy: up to 120 lm/W
– Type of protection: IP65
– Beam angle: 115°
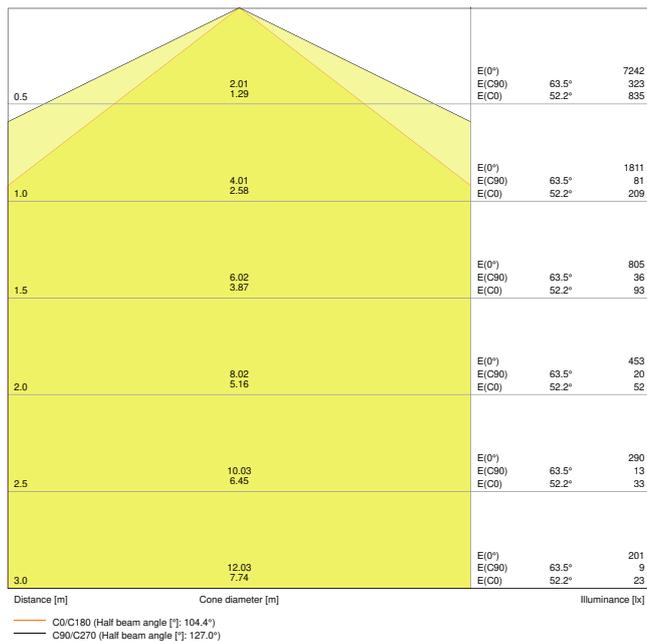– Through-wiring possible
– Polycarbonate housing
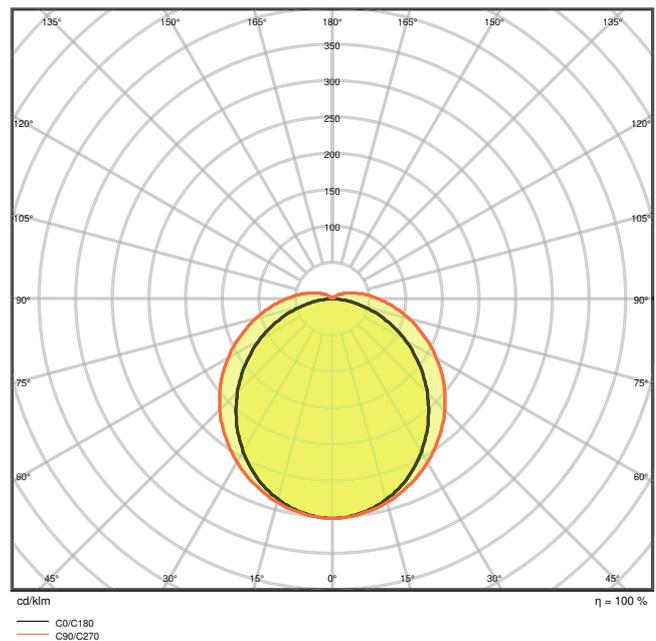
## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 50.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 270 mA |
| Inrush current | 15 A |
| Inrush current time $T_{h50}$ | 160 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 27 |
| Max. number of luminaires per miniature circuit breaker C10 | 23 |
| Max. number of luminaires per miniature circuit breaker C16 | 37 |
| Power factor $\lambda$ | ≥0.90 |
| Total harmonic distortion | < 25 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

### Photometrical data

| | |
|---|---|
| Luminous flux | 6000 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 sdcm |
| Luminous intensity | - |
| Flickering metric (Pst LM) | - |
| Stroboscope effect metric (SVM) | - |
| Photobiological safety group acc. to EN62778 | RG0 |
| Beam angle | 115 ° |

| Distance [m] | Cone diameter [m] | | Illuminance [lx] |
|---|---|---|---|
| 0.5 | 2.01 1.29 | E(0°) E(C90) 63.5° E(C0) 52.2° | 7242 323 835 |
| 1.0 | 4.01 2.58 | E(0°) E(C90) 63.5° E(C0) 52.2° | 1811 81 209 |
| 1.5 | 6.02 3.87 | E(0°) E(C90) 63.5° E(C0) 52.2° | 805 36 93 |
| 2.0 | 8.02 5.16 | E(0°) E(C90) 63.5° E(C0) 52.2° | 453 20 52 |
| 2.5 | 10.03 6.45 | E(0°) E(C90) 63.5° E(C0) 52.2° | 290 13 33 |
| 3.0 | 12.03 7.74 | E(0°) E(C90) 63.5° E(C0) 52.2° | 201 9 23 |

— C0/C180 (Half beam angle [°]: 104.4°)
— C90/C270 (Half beam angle [°]: 127.0°)

DP VAL 1500 50W 4000K IP65

cd/klm                                                             η = 100 %

— C0/C180
— C90/C270

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## Dimensions & Weight

| Length | 1500.00 mm |
|---|---|
| Width | 77.00 mm |
| Height | 68.00 mm |
| Product weight | 2000.00 g |

66 mm
1500 mm        77 mm

DP VAL 1500 IP65

## Materials & Colors

| Product color | Gray |
|---|---|
| Housing color | Gray |
| RAL Color (most similar) | RAL 7514 |
| Body material | Polycarbonate (PC) |
| Cover material | Polycarbonate (PC) |

| Light emitting surface material | Polycarbonate (PC) |
|---|---|
| Glow Wire Test according to IEC 60695-2-12 | 850 °C |
| Mercury content | 0.0 mg |

## Application & Mounting

| Ambient temperature range | -20…+40 °C |
|---|---|
| Temperature range at storage | -40…+70 °C |
| Type of connection | Screwless |
| Type of protection | IP65 |
| Protection class IK (shock resistance) | IK08 |
| Dimmable | No |
| Mounting type | Surface |
| Mounting location | Ceiling / Wall |
| Application environment | Indoor |
| With light source | Yes |
| Replaceable light source | No |

## Lifespan

| Lifespan L70/B50 at 25 °C | 50000 h [1] |
|---|---|
| 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 | 390 mA |
|---|---|

## Certificates & Standards

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

## Additional product data

| Product remark | When used in very cold applications as in cold storage, a special membrane might be required to ensure lifetime |
|---|---|

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## EQUIPMENT / ACCESSORIES

– Stainless steel clamps with safety screws included
– Mounting accessories included (suspension kit, theft protection kit)

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## Safety advice

– All electrical connections must be made by a qualified person.
– Caution, risk of electric shock.

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | UI_DAMP PROOF VALUE |
| PDF | Legal information | LS Insert DP VAL IP65 |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Declarations of conformity | DP VAL 1500 50W/4000K |
| PDF | Declarations of conformity UKCA | DP VAL 1500 IP65 |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | DP VAL 1500 50W 4000K IP65 |
| LDT | LDT file (Eulumdat) | DP VAL 1500 50W 4000K IP65 |
| ULD | ULD file (DIALux) | DP VAL 1500 50W-4000K IP65 |
| ROLF | ROLF file (RELUX) | DP VAL 1500 50W-4000K |
| | UGR file (UGR table) | DP VAL 1500 50W 4000K IP65 |
| | Light distribution curve type cone | DP VAL 1500 50W 4000K IP65 |
| | Light distribution curve type polar | DP VAL 1500 50W 4000K IP65 |

| | CAD/BIM files | Document name |
|---|---|---|
| RFA | BIM Revit 3D | Damp Proof Value |
| STEP | CAD STEP 3D | DP VAL 1500 |

| | Tender texts | Document name |
|---|---|---|
| | Tender documents | DAMP PROOF VALUE 1500 50 W 4000 K IP65-EN |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075300903 | Folding box<br>1 | 70 mm x 1,508 mm x 83 mm | 2076.00 g | 8.76 dm³ |
| 4058075300910 | Shipping box<br>6 | 1,525 mm x 181 mm x 230 mm | 13686.00 g | 63.49 dm³ |

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
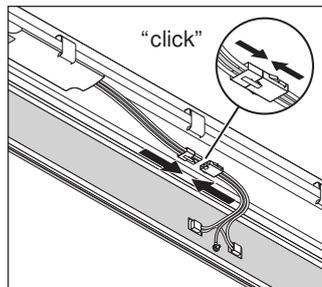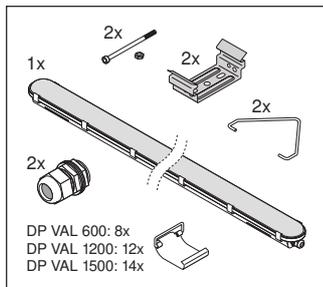


## References / Links

– For Guarantee see www.ledvance.com/guarantee

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