

# PRODUCT DATASHEET

## DP COMP TH 1500 V 50W 840 IP66 PS

DAMP PROOF COMPACT THROUGHWIRING GEN 2 | Modern damp-proof luminaires with through-wiring and lumen-switchable versions



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### Areas of application

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

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### Product benefits

- Excellently usable in bigger installations due to preinstalled through-wiring (3x1.5mm<sup>2</sup>)
- Easy access to electrical terminal thanks to end caps with twist and lock mechanism
- Tool-free electrical connection due to push button connector
- Uniform light distribution
- 5 years guarantee

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### Product features

- Power select option available to select between 2 lumen packages
- Through-wiring 3x1.5mm<sup>2</sup> already installed
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)
- High luminous efficacy: up to 123 lm/W
- Polycarbonate housing IP66 and IK08
- Beam angle: 120°

## TECHNICAL DATA

### Electrical data

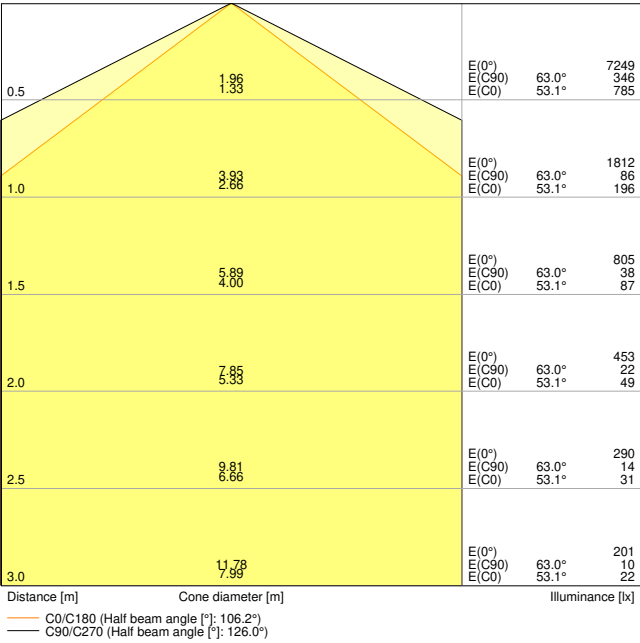
|                                                             |                           |
|-------------------------------------------------------------|---------------------------|
| Nominal wattage                                             | 50 W / 34 W <sup>1)</sup> |
| Nominal voltage                                             | 220...240 V               |
| Mains frequency                                             | 50...60 Hz                |
| Nominal current                                             | 228.000 mA <sup>1)</sup>  |
| Inrush current                                              | 35.2 A                    |
| Inrush current time T <sub>h50</sub>                        | 4.48 µs                   |
| Max. number of luminaires per miniature circuit breaker B16 | 33                        |
| Max. number of luminaires per miniature circuit breaker C10 | 27                        |
| Max. number of luminaires per miniature circuit breaker C16 | 44                        |
| Power factor $\lambda$                                      | > 0.90                    |
| Total harmonic distortion                                   | < 20 %                    |
| Protection class                                            | II                        |
| Operating mode                                              | Integrated LED driver     |

<sup>1)</sup> For possible options refer to lumen/power table image

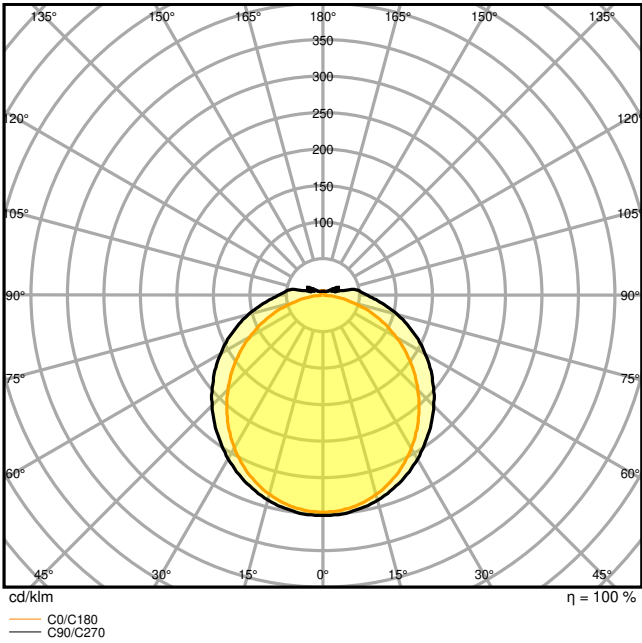
### Photometrical data

|                                              |                                   |
|----------------------------------------------|-----------------------------------|
| Luminous flux                                | 6100 lm / 4200 lm <sup>1)</sup>   |
| Luminous efficacy                            | 123 lm/W / 122 lm/W <sup>1)</sup> |
| Color temperature                            | 4000 K                            |
| Light color (designation)                    | Cool White                        |
| Color rendering index Ra                     | ≥80                               |
| Standard deviation of color matching         | 5 sdcm                            |
| Low flicker                                  | Yes                               |
| Flickering metric (Pst LM)                   | ≤ 1                               |
| Stroboscope effect metric (SVM)              | ≤ 0.4                             |
| Photobiological safety group acc. to EN62778 | RG0                               |
| Beam angle                                   | 120 °                             |

<sup>1)</sup> For possible options refer to lumen/power table image



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Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1585.00 mm |
| Width          | 60.00 mm   |
| Height         | 53.00 mm   |
| Product weight | 1005.00 g  |



DP COMP TH 1500 V

Materials & Colors

|                          |          |
|--------------------------|----------|
| Product color            | White    |
| Housing color            | White    |
| RAL Color (most similar) | RAL 9016 |

|                                            |                    |
|--------------------------------------------|--------------------|
| 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...+45 °C               |
| Temperature range at storage           | -40...+80 °C               |
| Type of connection                     | Screwless terminal, 3-Pole |
| Type of protection                     | IP66                       |
| Protection class IK (shock resistance) | IK08                       |
| Dimmable                               | Yes                        |
| Type of dimming                        | DIP SWITCH                 |
| Mounting type                          | Surface/Suspended          |
| Mounting location                      | Wall / Ceiling             |
| Application environment                | Indoor                     |
| Adjustable                             | No                         |
| With light source                      | Yes                        |
| Replaceable light source               | No                         |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 75000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 50000 h               |
| Lifespan L90/B10 at 25 °C  | 25000 h               |
| Number of switching cycles | 100000                |

<sup>1)</sup> 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              | 570 mA |
| ECG - Output ripple current | < 20 % |

### Certificates & Standards

|                                                      |                                      |
|------------------------------------------------------|--------------------------------------|
| Standards                                            | CE / CB / TÜV SÜD / UKCA / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | Yes                                  |
| Ball shot safe                                       | No                                   |
| EPD                                                  | LEDV-00004-V01.01-EN                 |
| Replaceable light source (EPREL)                     | Not replaceable                      |

Additional product data

|                |              |
|----------------|--------------|
| Added function | MULTI SELECT |
|----------------|--------------|

EQUIPMENT / ACCESSORIES

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

Safety advice

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

DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|    | User instruction / safety instructions | UI DP COMP V                       |
|   | Legal information                      | LSI DP COMP V                      |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity             | DP COMP_CE                         |
|  | Declarations of conformity             | DP COMP_UKCA                       |
|  | Declarations of conformity UKCA        | DP COMP IP66                       |
| Photometric and lighting design files                                              |                                        | Document name                      |
|  | IES file (IES)                         | DP COMP TH 1500 V 50W 840 IP66 PS  |
|  | LDT file (Eulumdat)                    | DP COMP TH 1500 V 50W 840 IP66 PS  |
|  | ULD file (DIALux)                      | DP COMP TH 1500 V 50W 840 IP66     |
|  | ROLF file (RELUX)                      | DP COMP TH 1500 V 50W 840          |
|  | UGR file (UGR table)                   | DP COMP TH 1500 V 50W 840 IP66 PS  |
|  | Light distribution curve type cone     | DP COMP TH 1500 V 50W 840 IP66 PS  |
|  | Light distribution curve type polar    | DP COMP TH 1500 V 50W 840 IP66 PS  |

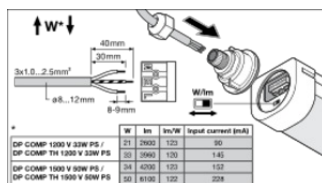
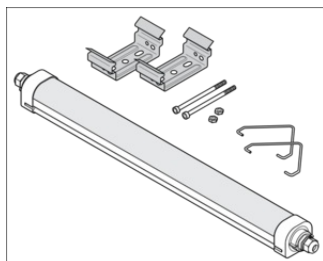
| CAD/BIM files                                                                    |                  | Document name                                                    |
|----------------------------------------------------------------------------------|------------------|------------------------------------------------------------------|
|  | BIM Revit 3D     | DP COMP G2                                                       |
|  | CAD STEP 3D      | DP COMP TH G2 1500                                               |
| Tender texts                                                                     |                  | Document name                                                    |
|  | Tender documents | DAMP PROOF COMPACT THROUGHWIRING GEN 2 1500 V 50W 840 IP66 PS-EN |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075740938 | Folding box<br>1             | 60 mm x 1,612 mm x 67 mm             | 1277.00 g    | 6.48 dm <sup>3</sup>  |
| 4058075740945 | Shipping box<br>6            | 1,640 mm x 195 mm x 145 mm           | 8756.00 g    | 46.37 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



|                                                  | W  | lm   | lm/W | Input current (mA) |
|--------------------------------------------------|----|------|------|--------------------|
| DP COMP 1200 V 33W PS / DP COMP TH 1200 V 33W PS | 21 | 2500 | 123  | 90                 |
| DP COMP 1200 V 33W PS / DP COMP TH 1200 V 33W PS | 33 | 3960 | 120  | 145                |
| DP COMP 1500 V 50W PS / DP COMP TH 1500 V 50W PS | 34 | 4200 | 123  | 152                |
| DP COMP 1500 V 50W PS / DP COMP TH 1500 V 50W PS | 50 | 6100 | 122  | 228                |

## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

## DISCLAIMER

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