# PRODUCT DATASHEET
# TRUSYS FLEX P 35W 840 W OP WT EM

TruSys® FLEX EMERGENCY WIDE OPAL | Luminaire inserts with wide light distribution for standard and emergency lighting, with opal lense, up to 167 lm/W

## Areas of application

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Direct replacement for luminaires with compact fluorescent lamps
- Industry halls, high rack warehouse, hardware stores

## Product benefits

- Seamless integration of luminaires with emergency lighting function into general lighting
- Easy wiring thanks to included prewired driver and battery for Emergency lighting function
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Convenient visualization of results of automatic test with an included control LED
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
- High luminous efficacy in normal operation
- 3 years guarantee
- Opal cover above LEDs for homogeneous illumination and minimized glare
- Easy installation, no tools required for connection
- Energy saving and cost-effective
- Flexible application due to a range of different lumen packages and beam angles

## Product features

- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)

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- Luminaire suited for normal lighting and emergency lighting
- Self-contained luminaires
- Emergency lighting function: battery discharge time of 3 h
- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- Beam angle wide: 90° with opal lens
- Click into place solution with smart click buttons
- Fixed luminare taps
- Steel-sheet housing


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## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 35.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 160 mA |
| Inrush current | 27.5 A |
| Inrush current time $T_{h50}$ | 148 µs |
| Max. no. of lum. on circuit break. B16 A | 22 |
| Max. no. of lum. on circuit break. C10 A | 17 |
| Max. no. of lum. on circuit break. C16 A | 27 |
| Power factor λ | ≥0.95 |
| Total harmonic distortion | ≤ 15 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

### Photometrical data

| | |
|---|---|
| Luminous flux | 5800 lm |
| Luminous efficacy | 167 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | ≥80 |
| Standard deviation of color matching | 3 sdcm |
| Low flicker | Yes |
| Photobiological safety group acc. to EN62778 | RG1 |
| Beam angle | 90 ° |


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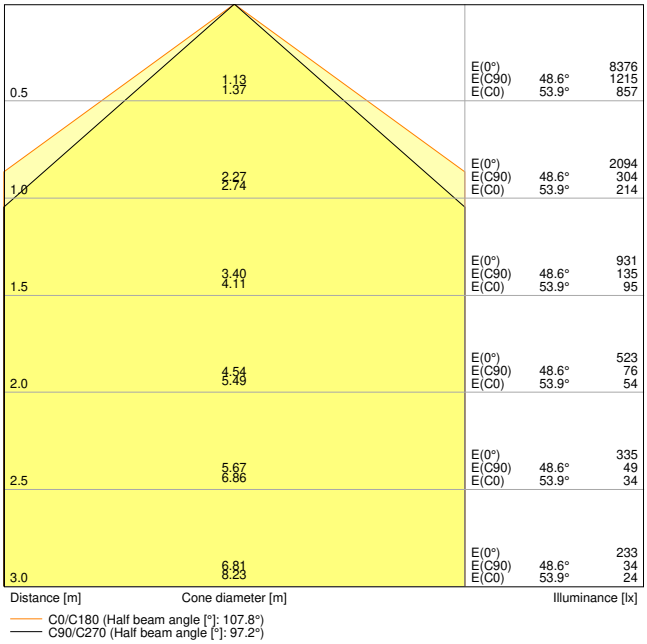


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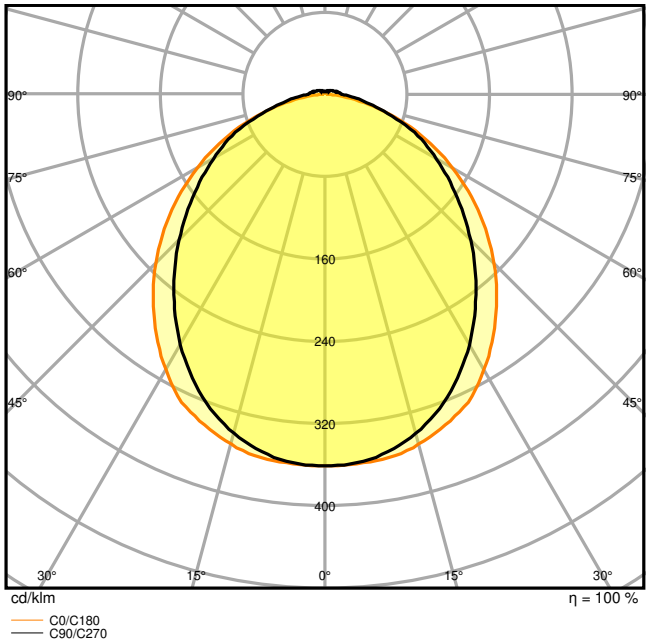
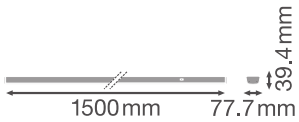



LDC typ polar

## Dimensions & Weight

| | |
|---|---|
| Length | 1500.00 mm |
| Width | 77.70 mm |
| Height | 39.40 mm |
| Product weight | 2360.00 g |




## Materials & Colors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| | |
|---|---|
| Product color | White |
| Housing color | White |
| Body material | Steel |
| Cover material | Polymethylmethacrylate (PMMA) |
| Light emitting surface material | Polymethylmethacrylate (PMMA) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C |
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | 0...+40 °C |
| Temperature range at storage | -40...+80 °C |
| Type of connection | Plug-In connection |
| Type of protection | IP40 |
| Protection class IK (shock resistance) | IK04 |
| Dimmable | No |
| Mounting type | Suspended/Surface |
| Mounting location | Mounting rail |
| Application environment | Indoor |
| Adjustable | No |
| LED module replaceable | Not replaceable |
| With light source | Yes |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 100000 h |
| Lifespan L80/B10 at 25 °C | 76000 h |
| Lifespan L90/B10 at 25 °C | 38000 h |
| Number of switching cycles | 100000 |

## Control gear

| | |
|---|---|
| Output current | 430 mA |
| ECG - Output ripple current | < 5 % |

## Emergency lighting

| | |
|---|---|
| Area of emergency application | Anti-panic lighting / Escape route lighting |
| Type of emergency light operation | Non-maintained / Maintained |
| Type of emergency operation test | Automatic |
| Wattage in maintained operation mode | 35 W |


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| | |
|---|---|
| Wattage in emergency operation mode | 4 W |
| Luminous flux in maintained operation mode | 5800 lm |
| Luminous flux in emergency operation mode | 740 lm |
| Nominal voltage of battery | 3.2 V |
| Battery life in emergency operation mode | 3 h |
| Battery charging time | 24 h |

## Certificates & Standards

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

## Additional product data

| | |
|---|---|
| Number of illuminants | - |

## EQUIPMENT / ACCESSORIES

- Mounting rail with fixed integrated 8-pole cable

## DOWNLOAD DATA

| | Documents and certificates |
|---|---|
| PDF | User instruction |
| PDF | Addon Technical Information |
| PDF | Packaging insert |
| PDF | Declarations Of Conformity CE |
| PDF | Certificates |
| PDF | Declarations Of Conformity UKCA |

| | Photometric and lighting design files |
|---|---|
| | IES file (IES) |


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| | Photometric and lighting design files |
|---|---|
| | LDT file (Eulumdat) |
| | ROLF file (RELUX) |
| | UGR file (UGR table) |
| | LDC typ cone |
| | LDC typ polar |

| | CAD/BIM files |
|---|---|
| ZIP | BIM_Revit_3D |
| | CAD_STEP_3D |

| | Tender texts |
|---|---|
| | Tender documents |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075772977 | Folding box<br>1 | 108 mm x 1,534 mm x 102 mm | 2535.00 g | 16.90 $dm^3$ |
| 4058075772984 | Shipping box<br>4 | 1,547 mm x 218 mm x 231 mm | 10933.00 g | 77.90 $dm^3$ |

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.

## References / Links

- For Guarantee see www.ledvance.com/guarantee

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