# PRODUCT DATASHEET
# TRUSYS FLEX P 70W 840 N CL WT

TruSys® FLEX NARROW | Luminaire inserts with narrow light distribution, up to 175 lm/W



PERFOR-
MANCE
CLASS

## Areas of application

- Direct replacement for luminaires with compact fluorescent lamps
- Industry halls, high rack warehouse, garages, hardware stores
- Discounters, supermarkets

## Product benefits

- Directed light distribution for high heights
- Easy installation, no tools required for connection
- Flexible application due to a range of different lumen packages and beam angles
- 5 years guarantee

## Product features

- Beam angle narrow: 60°
- Click into place solution with smart click buttons
- Luminous efficacy: up to 175 lm/W
- Fixed luminare taps
- Luminaire versions available with on-off or IoT-ready DALI-2 driver
- Steel-sheet housing
- Lens material: PMMA
- Type of protection: IP40


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# TECHNICAL DATA

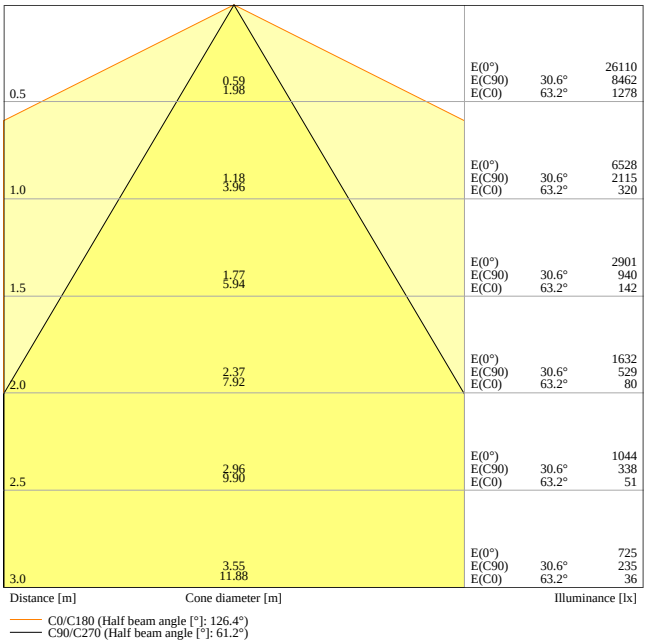
## Electrical data

| | |
|---|---|
| Nominal wattage | 70.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 230.000 mA |
| Inrush current | 38.8 A |
| Inrush current time $T_{h50}$ | 230 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 8 |
| Max. number of luminaires per miniature circuit breaker C10 | 7 |
| Max. number of luminaires per miniature circuit breaker C16 | 12 |
| Power factor λ | ≥ 0.95 |
| Maximum total harmonic distortion | ≤ 15 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

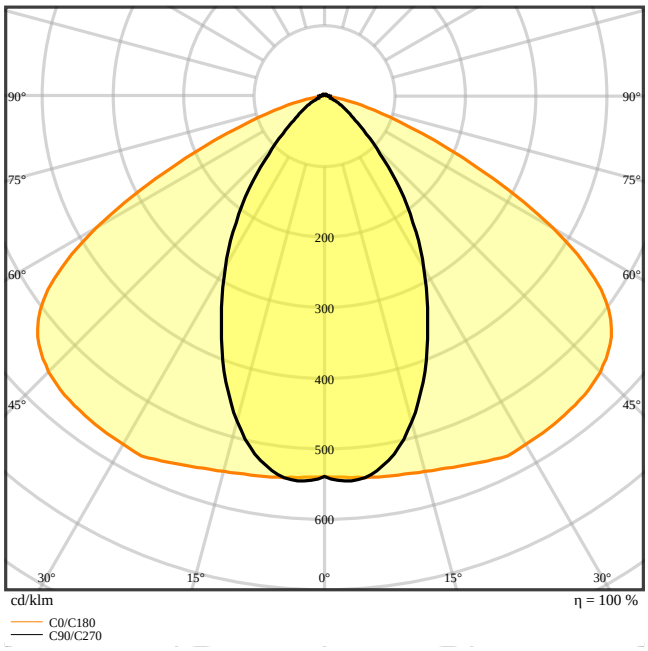
## Photometrical data

| | |
|---|---|
| Luminous flux | 12100 lm |
| Luminous efficacy | 175 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 |
| Flickering metric (Pst LM) | ≤1 |
| Stroboscope effect metric (SVM) | ≤0.4 |
| Photobiological safety group acc. to EN62778 | RG1 |
| Beam angle | 60 ° |


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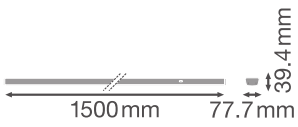

TRUSYS FLEX P 70W 840 N CL WT




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## Dimensions & Weight

| | |
|---|---|
| Length | 1500.00 mm |
| Width | 77.70 mm |
| Height | 39.40 mm |
| Product weight | 1740.00 g |




TRUSYS FLEX luminaire - clear


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## Materials & Colors

| | |
|---|---|
| Product color | White |
| Housing color | White |
| RAL Color (most similar) | RAL 9016 |
| 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 | -25…+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 |
| Mechanically adjustable | No |
| With light source | Yes |
| Replaceable light source | No |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 100000 h [1)] |
| Lifespan L80/B10 at 25 °C | 76000 h [1)] |
| Lifespan L80/B50 at 25 °C | 89000 h |
| Lifespan L90/B10 at 25 °C | 38000 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 | 1000 mA |
| Output ripple current (100 Hz) | < 5 % |


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## Emergency lighting

| | |
|---|---|
| Type of Emergency Lighting (EL) | EL certified driver (0Hz / DC operation) for central battery operation included |
| Type of emergency operation test | None |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / CB / UKCA / ENEC / EAC |
| Luminaire with limited surface temperature, "D sign" | Yes |
| Ball shot safe | No |
| Replaceable light source (EPREL) | Not replaceable |

## EQUIPMENT / ACCESSORIES

- Mounting rail with fixed integrated 5- and 8-pole cable

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | TRUSYS FLEX ON OFF 840 |
| PDF | Legal information | Light Source Insert Trusys Flex On Off |
| PDF | Legal information | Legal insert TRUSYS FLEX ON OFF |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Declarations of conformity | CE Declaration of Conformity TRUSYS FLEX |
| PDF | Declarations of conformity UKCA | UKCA Declaration of Conformity TRUSYS FLEX |
| PDF | Declarations of conformity UKCA | TRUSYS FLEX |
| PDF | Certificates | ENEC TRUSYS FLEX P ON OFF |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | TRUSYS FLEX P 70W 840 N CL WT |
| LDT | LDT file (Eulumdat) | TRUSYS FLEX P 70W 840 N CL WT |


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| | Photometric and lighting design files | Document name |
|---|---|---|
| | ULD file (DIALux) | TRUSYS FLEX P 70W 840 |
| | ROLF file (RELUX) | TRUSYS FLEX P 70W 840 N CL WT |
| | UGR file (UGR table) | TRUSYS FLEX P 70W 840 N CL WT |
| | Light distribution curve type cone | TRUSYS FLEX P 70W 840 N CL WT |
| | Light distribution curve type polar | TRUSYS FLEX P 70W 840 N CL WT |

| | CAD/BIM files | Document name |
|---|---|---|
| | BIM Revit 3D | TRUSYS FLEX |
| | CAD STEP 3D | TruSys FLEX |

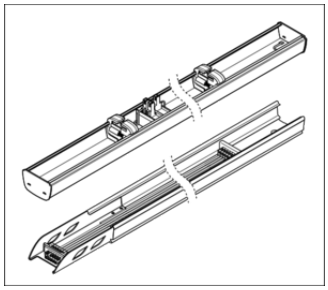
| | Tender texts | Document name |
|---|---|---|
| | Tender documents | TruSys FLEX NARROW 70W 840 N CL WT-EN |

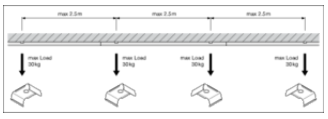
## LOGISTICAL DATA

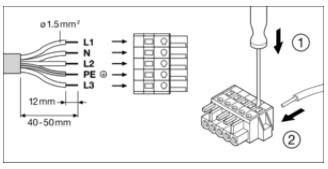
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075771888 | Folding box<br>1 | 108 mm x 1,534 mm x 102 mm | 1915.00 g | 16.90 $dm^3$ |
| 4058075771895 | Shipping box<br>4 | 1,547 mm x 218 mm x 231 mm | 8453.00 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.

## ADDITIONAL CATALOG INFORMATION

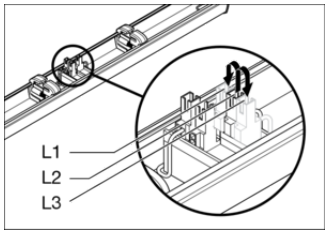


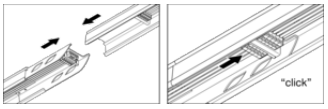


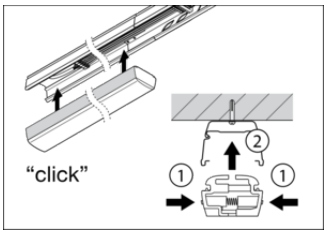




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## References / Links

– For Guarantee see www.ledvance.com/guarantee

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