# PRODUCT DATASHEET
# TRUSYS UNIV P 73W 840 VN CL PS

TRUSYS UNIVERSAL | The solution for refurbishment - universal fitting to existing trunking luminaire system



## Areas of application

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

## Product benefits

- The solution for refurbishment: universal fitting to existing trunking luminaire system
- Easy installation, no tools required for connection
- Flexible application due to a range of different lumen packages and beam angles

## Product features

- Multi Lumen function: lumen steps selectable
- Beam angles: 120° (VW), 90° (W), 60° (N), 30° (VN)
- Click into place solution with smart click buttons
- Luminous efficacy: up to 185 lm/W
- Lifetime (L80/B10): up to 100,000 h (at 25 °C)
- Initial color consistency: ≤ 3 SDCM


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# TECHNICAL DATA

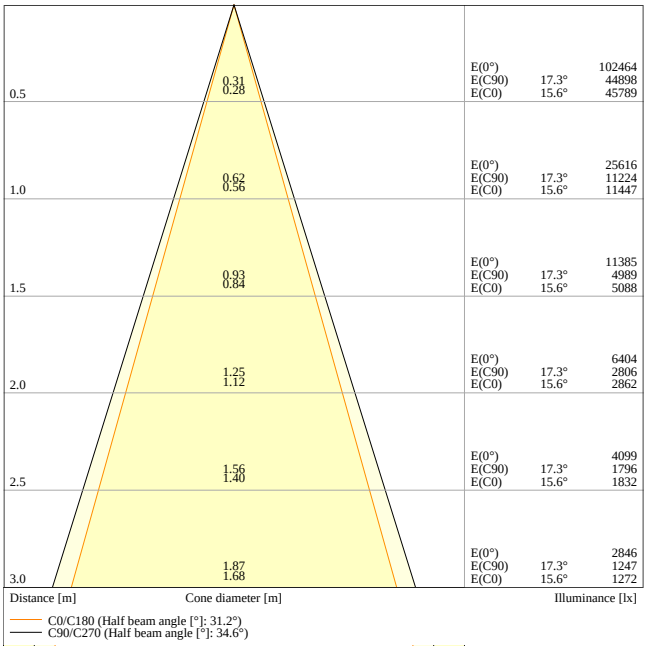
## Electrical data

| | |
|---|---|
| Nominal wattage | 73 W / 66 W / 57 W / 49 W / 41 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 0/50/60 Hz |
| Nominal current | 330…300…260…220…190 mA |
| Inrush current | 0.33 A |
| Inrush current time $T_{h50}$ | 302 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 8 |
| Max. number of luminaires per miniature circuit breaker C10 | 8 |
| Max. number of luminaires per miniature circuit breaker C16 | 14 |
| Power factor λ | ≥ 0.90 |
| Maximum total harmonic distortion | ≤ 15 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

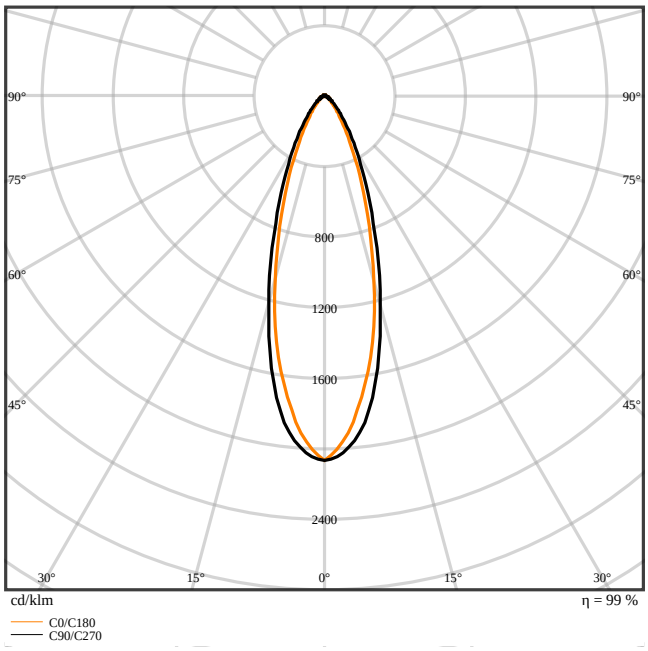
## Photometrical data

| | |
|---|---|
| Luminous flux | 12400 lm / 11420 lm / 10030 lm / 8720 lm / 7380 lm |
| Luminous efficacy | 170 lm/W / 173 lm/W / 176 lm/W / 178 lm/W / 180 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 | 30 ° |


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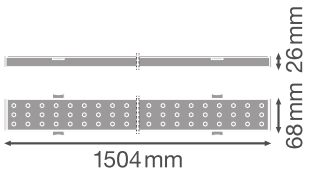

TRUSYS UNIV P 73W 840 VN CL PS




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## Dimensions & Weight

| | |
|---|---|
| Length | 1504.00 mm |
| Width | 68.00 mm |
| Height | 26.00 mm |
| Product weight | 1695.00 g |




TRUSYS UNIV P 73/75W 840 CL PS/DALI


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## Materials & Colors

| | |
|---|---|
| Product color | White |
| Housing color | White |
| RAL Color (most similar) | RAL 9003 |
| Body material | Aluminum |
| 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 | -20…+40 °C |
| Temperature range at storage | -40…+80 °C |
| Type of connection | Plug-In connection |
| Type of protection | IP20 |
| Protection class IK (shock resistance) | IK02 |
| Dimmable | No |
| Mounting type | Surface/Suspended |
| 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 | 120000 h [1)] |
| Lifespan L80/B10 at 25 °C | 100000 h [1)] |
| Lifespan L90/B10 at 25 °C | 54000 h [1)] |
| Number of switching cycles | 50000 |

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 | 450/400/350/300/250 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 |
| Wattage in emergency operation mode | 73 W |
| Luminous flux in emergency operation mode | 12400 lm |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / CB / UKCA / ENEC / TÜV / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00033-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |

## Additional product data

| | |
|---|---|
| Added function | MULTI LUMEN |

## EQUIPMENT / ACCESSORIES

– Various accessories available

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | TRUSYS UNIVERSAL |
| PDF | Legal information | Legal insert |
| PDF | Legal information | LISO Insert TRUSYS UNIVERSAL |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | Safety Insert G11205497 |
| PDF | Declarations of conformity | CE Declaration Trusys Universal |
| PDF | Declarations of conformity UKCA | UKCA Declaration Trusys Universal |
| PDF | EPD | EPD EN TRUSYS UNIVERSAL DALI |


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| | Photometric and lighting design files | Document name |
|---|---|---|
| | IES file (IES) | TRUSYS UNIV P 73W 840 VN CL PS |
| | LDT file (Eulumdat) | TRUSYS UNIV P 73W 840 VN CL PS |
| | ULD file (DIALux) | TRUSYS UNIV P 73W 840 VN CL PS |
| | ROLF file (RELUX) | TRUSYS UNIV P 73W 840 VN CL PS |
| | UGR file (UGR table) | TRUSYS UNIV P 73W 840 VN CL PS |
| | Light distribution curve type cone | TRUSYS UNIV P 73W 840 VN CL PS |
| | Light distribution curve type polar | TRUSYS UNIV P 73W 840 VN CL PS |

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

| | Tender texts | Document name |
|---|---|---|
| | Tender documents | TRUSYS UNIVERSAL 73W 840 VN CL PS-EN |

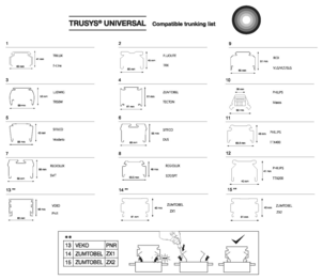
## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854311581 | Folding box<br>1 | 93 mm x 1,540 mm x 69 mm | 1985.00 g | 9.88 $dm^3$ |
| 4099854311598 | Shipping box<br>4 | 1,560 mm x 295 mm x 110 mm | 9400.00 g | 50.62 $dm^3$ |

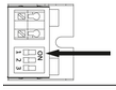
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.


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## ADDITIONAL CATALOG INFORMATION

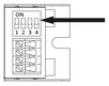



TruSys UNIVERSAL 50W ON/OFF

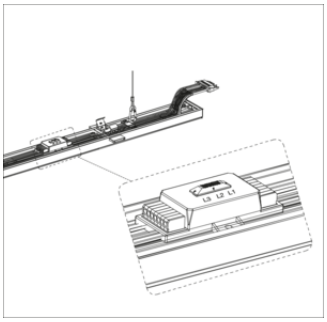


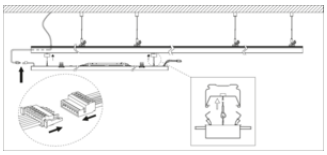
| W | LM | 1 | 2 | 3 |
|---|---|---|---|---|
| 20W | 3700 | — | — | — |
| 30W | 5550 | — | ON | — |
| 40W | 7400 | — | — | ON |
| 50W | 9000 | — | ON | ON |

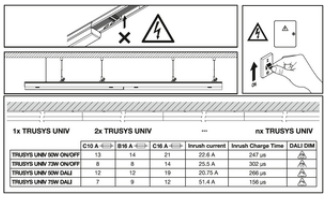
TruSys UNIVERSAL 73W ON/OFF



| W | LM | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| 41W | 7380 | — | — | — | ON |
| 49W | 8720 | — | — | ON | — |
| 57W | 10030 | — | ON | — | — |
| 66W | 11420 | ON | — | — | — |
| 73W | 12400 | — | — | — | — |








## 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.


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