

# PRODUCT DATASHEET

## TRUSYS UNIV P 73W 840 VN CL PS

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

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### Areas of application

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



PERFOR-  
MANCE  
CLASS

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### Product benefits

- The solution for refurbishment: universal fitting to existing trunking luminaire system
- 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
- 5 years guarantee

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### Product features

- Multi Lumen function: power steps selectable
- Beam angles: 90° (W), 60° (N), 30° (VN)
- Click into place solution with smart click buttons
- Luminous efficacy: up to 180 lm/W
- Lifetime (L80/B10): up to 100,000 h (at 25 °C)
- Initial color consistency:  $\leq 3$  SDCM



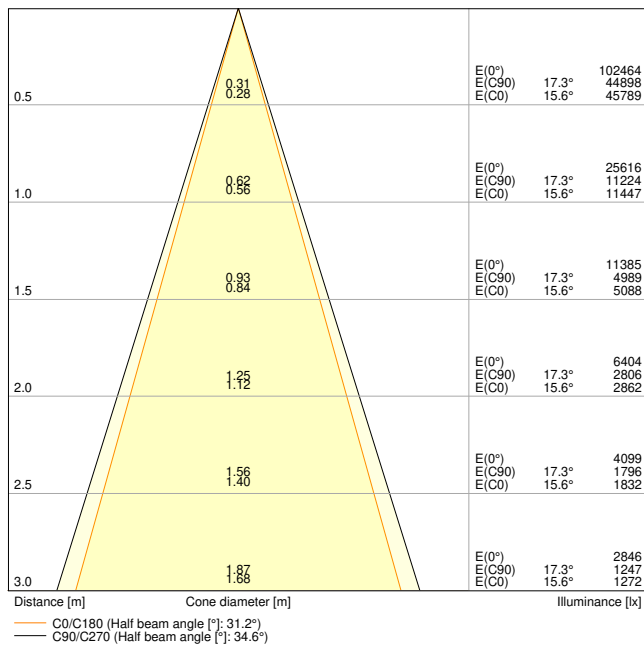
## TECHNICAL DATA

### Electrical data

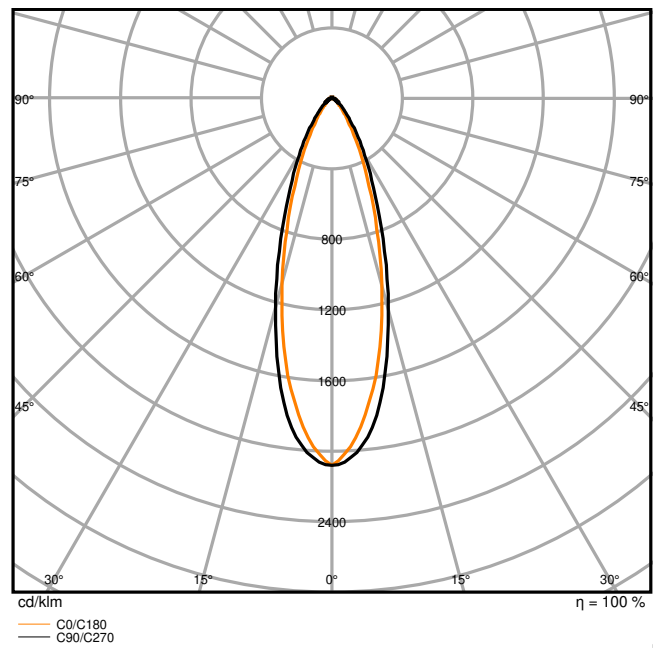
Nominal wattage	73 W / 66 W / 57 W / 49 W / 41 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	330...300...260...220...190 mA
Inrush current	0.33 A
Inrush current time $T_{h50}$	302 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	8
Max. number of luminaires per miniature circuit breaker C10	8
Max. number of luminaires per miniature circuit breaker C16	14
Power factor $\lambda$	$\geq 0.90$
Total harmonic distortion	$\leq 15 \%$
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	$\leq 3$ sdc <sub>m</sub>
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	30 °



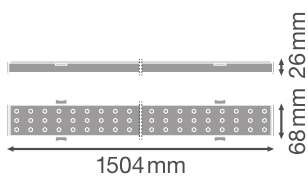
TRUSYS UNIV P 73W 840 VN CL PS



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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

Materials & Colors

Product color	White
Housing color	White
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
Adjustable	No
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	120000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	100000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	54000 h
Number of switching cycles	50000

<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	450...400...350...300...250 mA
ECG - Output ripple current	< 5 %

### 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 SELECT
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### EQUIPMENT / ACCESSORIES

– Various accessories available

### DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	TRUSYS UNIVERSAL
	Legal information	Legal insert
	Legal information	LISO Insert TRUSYS UNIVERSAL
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	CE Declaration Trusys Universal
	Declarations of conformity UKCA	UKCA Declaration Trusys Universal
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
	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



