

PRODUCT DATASHEET

TRUSYS UNIV P 75W 840 W CL DALI

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



Areas of application

- Direct replacement for luminaires with compact 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
- Energy saving and cost-effective
- Flexible application due to a range of different lumen packages and beam angles
- 5 years guarantee

Product features

- IoT-ready DALI-2 driver
- 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: ≤ 3 SDCM



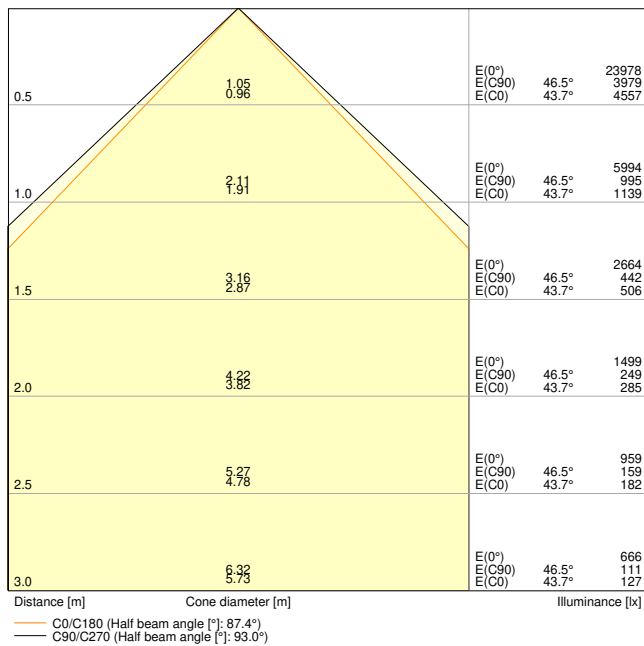
TECHNICAL DATA

Electrical data

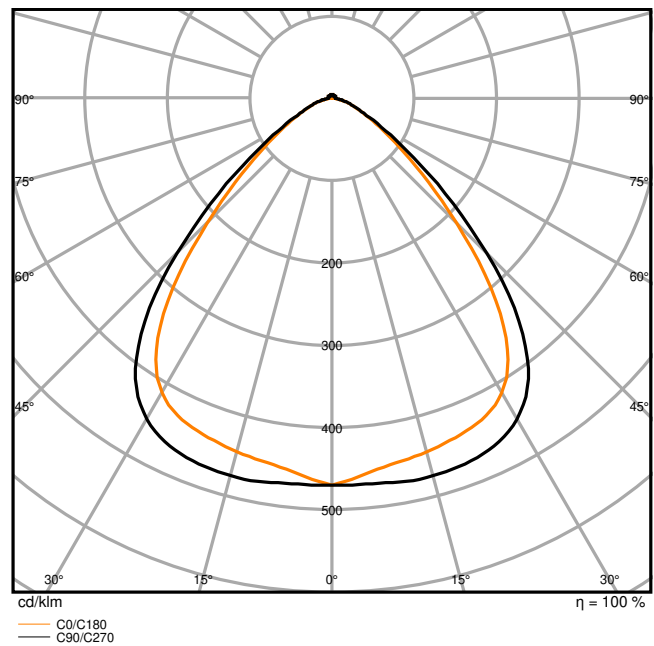
Nominal wattage	75.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	340.000 mA
Inrush current	0.34 A
Inrush current time T_{h50}	156 μ s
Max. number of luminaires per miniature circuit breaker B16	9
Max. number of luminaires per miniature circuit breaker C10	7
Max. number of luminaires per miniature circuit breaker C16	12
Power factor λ	≥ 0.90
Total harmonic distortion	$\leq 15\%$
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI-2 / IoT

Photometrical data

Luminous flux	12750 lm
Luminous efficacy	170 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤ 3 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	90 °



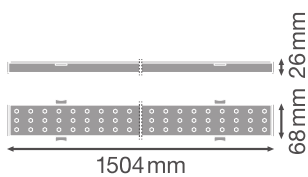
TRUSYS UNIV P 75W 840 W CL PS DALI



TRUSYS UNIV P 75W 840 W CL PS DALI

Dimensions & Weight

Length	1504.00 mm
Width	68.00 mm
Height	26.00 mm
Product weight	1790.00 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	Yes
Type of dimming	DALI2
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 ¹⁾
Lifespan L80/B10 at 25 °C	100000 h ¹⁾
Lifespan L90/B10 at 25 °C	54000 h
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	500 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	VIVARES
----------------	---------

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 75W 840 W CL PS DALI
	LDT file (Eulumdat)	TRUSYS UNIV P 75W 840 W CL PS DALI
	UGR file (UGR table)	TRUSYS UNIV P 75W 840 W CL PS DALI
	Light distribution curve type cone	TRUSYS UNIV P 75W 840 W CL PS DALI
	Light distribution curve type polar	TRUSYS UNIV P 75W 840 W CL PS DALI

