

PRODUCT DATASHEET

TRUSYS UNIV P 75W 840 VN 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



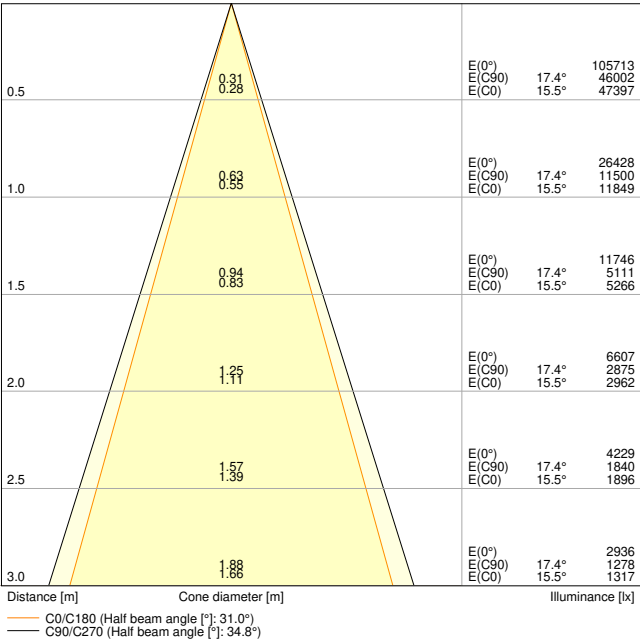
TECHNICAL DATA

Electrical data

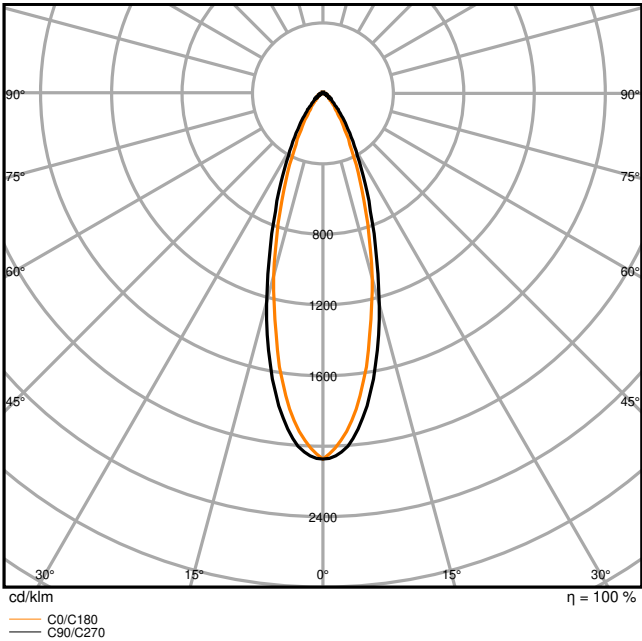
Nominal wattage	75.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	340.000 mA
Inrush current	0.34 A
Inrush current time T_{h50}	156 μ s
Max. number of luminaires per miniature circuit breaker B16	9
Max. number of luminaires per miniature circuit breaker C10	7
Max. number of 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

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 _{cm}
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	30 °



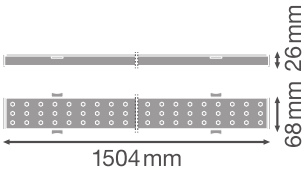
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Dimensions & Weight

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
LED module replaceable	Not replaceable
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
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Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Additional product data

Product remark	Available from September 2024
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EQUIPMENT / ACCESSORIES

– Various accessories available

DOWNLOAD DATA

Documents and certificates		Document name
	User Instruction	TRUSYS UNIVERSAL
	Addon Technical Information	LISO Insert TRUSYS UNIVERSAL
	Legal information	Legal insert
	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 VN CL PS DALI
	LDT file (Eulumdat)	TRUSYS UNIV P 75W 840 VN CL PS DALI
	UGR file (UGR table)	TRUSYS UNIV P 75W 840 VN CL PS DALI
	LDC typ cone	TRUSYS UNIV P 75W 840 VN CL PS DALI
	LDC typ polar	TRUSYS UNIV P 75W 840 VN CL PS DALI
CAD/BIM files		Document name
	CAD_STEP_3D	TRUSYS UNIV

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.

	C10 A ↔	B10 A ↔	C10 A ↔	Brush current	Brush Charge Time	DALI DMX
TRUZEYS UNIV ON OFF	0	0	14	25.5 A	300 µs	
TRUZEYS UNIV DALI	7	9	10	33.4 A	1000 µs	

– For Guarantee see www.ledvance.com/guarantee

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.