PRODUCT DATASHEET
TRUSYS UNIV P 50W 840 VW OP 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

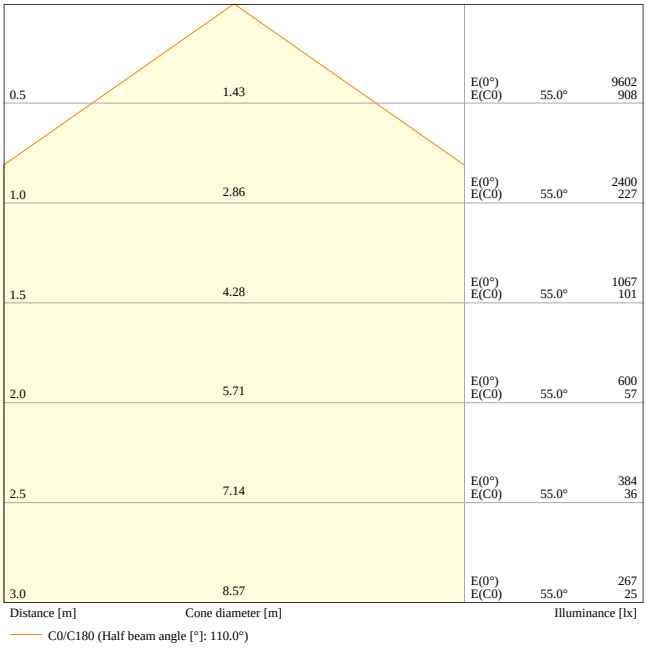
Electrical data

Nominal wattage	50 W / 40 W / 30 W / 20 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	230mA / 180mA / 135mA / 90 mA
Inrush current	22.6 A
Inrush current time T_{h50}	247 µs
Max. number of luminaires per miniature circuit breaker B16	14
Max. number of luminaires per miniature circuit breaker C10	13
Max. number of luminaires per miniature circuit breaker C16	21
Power factor λ	≥0.90
Maximum total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver

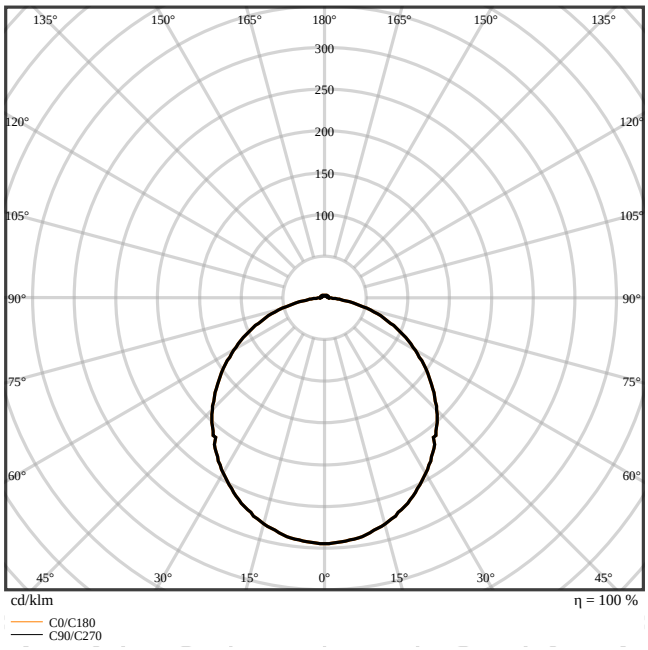
Photometrical data

Luminous flux	8150 lm / 6600 lm / 5040 lm / 3300 lm
Luminous efficacy	163 lm/W / 165 lm/W / 168 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	120 °

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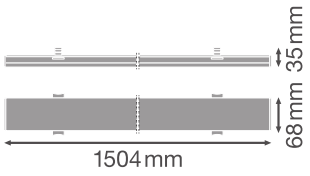
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
50 W	4000 K	8150 lm	163 lm/W
40 W	4000 K	6600 lm	165 lm/W
30 W	4000 K	5040 lm	168 lm/W
20 W	4000 K	3300 lm	165 lm/W

Dimensions & Weight

Length	1504.00 mm
Width	68.00 mm
Height	35.00 mm
Product weight	1570.00 g

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TRUSYS UNIVERSAL OPAL

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Aluminum
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
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

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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	500mA / 400mA / 300mA / 200 mA
Output ripple current (100 Hz)	< 5 %

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	50 W
Luminous flux in emergency operation mode	8150 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	UI TRUSYS UNIVERSAL
PDF	Legal information	Informationstext 18 Abs 4 ElektroG

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	Documents and certificates	Document name
PDF	Legal information	Legal insert
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

	Photometric and lighting design files	Document name
IES	IES file (IES)	TRUSYS UNIV P 50W 840 VW OP PS
LDT	LDT file (Eulumdat)	TRUSYS UNIV P 50W 840 VW OP PS
	UGR file (UGR table)	TRUSYS UNIV P 50W 840 VW OP PS
	Light distribution curve type cone	TRUSYS UNIV P 50W 840 VW OP PS
	Light distribution curve type polar	TRUSYS UNIV P 50W 840 VW OP PS

	CAD/BIM files	Document name
RFA	BIM Revit 3D	TruSys Universal
STEP	CAD STEP 3D	TRUSYS UNIV OP

	Tender texts	Document name
TXT	Tender documents	TRUSYS UNIVERSAL 50W 840 VW OP PS -en

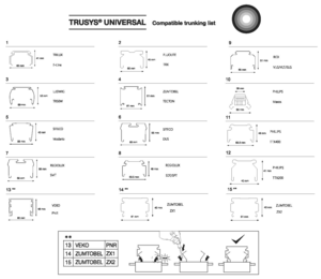
LOGISTICAL DATA

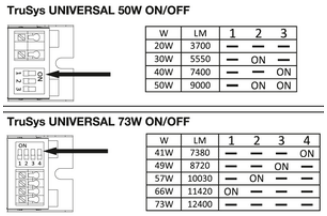
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854496561	Folding box 1	80 mm x 1,525 mm x 93 mm	1900.00 g	11.35 dm^3
4099854496578	Shipping box 4	1,545 mm x 335 mm x 122 mm	9260.00 g	63.14 dm^3

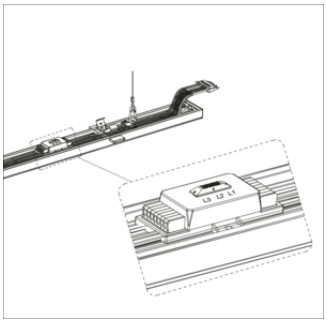
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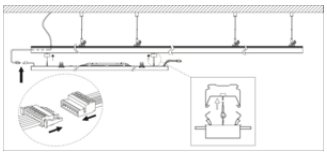
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

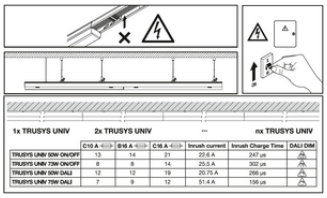
ADDITIONAL CATALOG INFORMATION











References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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