

# PRODUCT DATASHEET

## TRUSYS FLEX P 70W 865 N CL WT DALI

TruSys® FLEX NARROW | Luminaire inserts with narrow light distribution, up to 175 lm/W



PERFOR-  
MANCE  
CLASS

### Areas of application

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

### Product benefits

- Directed light distribution for high heights
- 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

- Beam angle narrow: 60°
- Click into place solution with smart click buttons
- Luminous efficacy: up to 175 lm/W
- Fixed luminaire taps
- Luminaire versions available with on-off or IoT-ready DALI-2 driver
- Steel-sheet housing
- Lens material: PMMA
- Type of protection: IP40



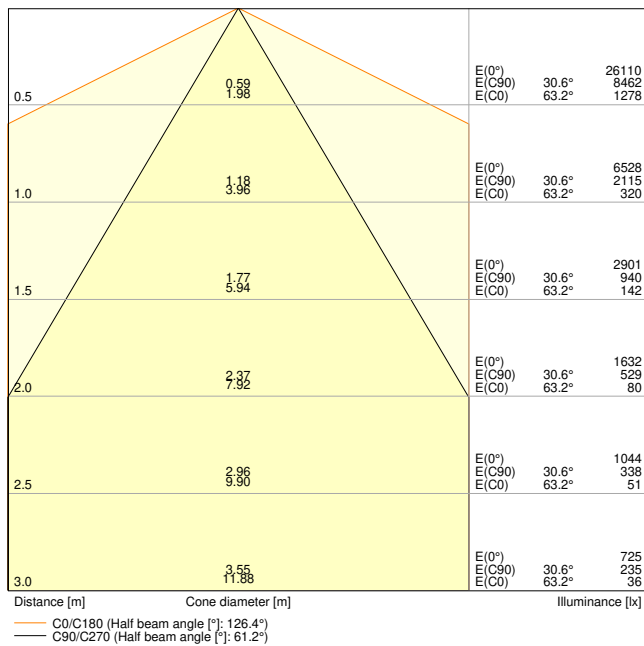
## TECHNICAL DATA

### Electrical data

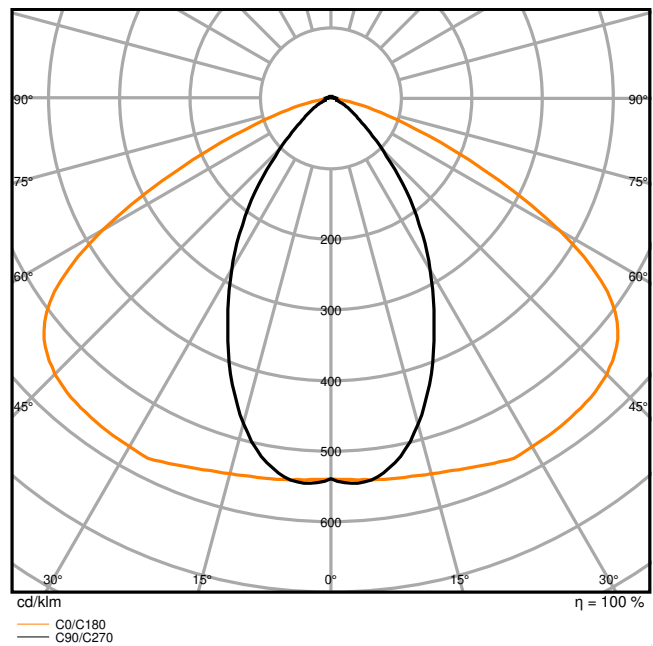
Nominal wattage	70.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	320.000 mA
Inrush current	43.8 A
Inrush current time $T_{h50}$	188 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	9
Max. number of luminaires per miniature circuit breaker C10	7
Max. number of luminaires per miniature circuit breaker C16	12
Power factor $\lambda$	$\geq 0.95$
Total harmonic distortion	$\leq 15\%$
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	12100 lm
Luminous efficacy	175 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	3 sdc <sub>m</sub>
Low flicker	Yes
Flickering metric (Pst LM)	$\leq 1$
Stroboscope effect metric (SVM)	$\leq 0.4$
Photobiological safety group acc. to EN62778	RG1
Beam angle	60 °



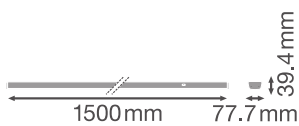
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Dimensions & Weight

Length	1500.00 mm
Width	77.70 mm
Height	39.40 mm
Product weight	1750.00 g



TRUSYS FLEX luminaire - clear

Materials & Colors

Product color	White
Housing color	White
Body material	Steel
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	-25...+35 °C
Temperature range at storage	-40...+80 °C
Type of connection	Plug-In connection
Type of protection	IP40
Protection class IK (shock resistance)	IK04
Dimmable	Yes
Type of dimming	DALI
Mounting type	Suspended/Surface
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	100000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	76000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	43000 h
Number of switching cycles	100000

<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	1050 mA
ECG - Output ripple current	< 10 %

### Certificates & Standards














Standards	CE / CB / UKCA / ENEC / EAC
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Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No

## EQUIPMENT / ACCESSORIES


– Mounting rail with fixed integrated 5- and 8-pole cable

## DOWNLOAD DATA

Documents and certificates		Document name
	User Instruction	TRUSYS FLEX DALI 865
	Addon Technical Information	LSI TRUSYS FLEX 865 DALI
	Legal information	Legal insert TRUSYS FLEX DALI
	Declarations of conformity	TRUSYS FLEX DALI
	Declarations Of Conformity UKCA	TRUSYS FLEX DALI
	Certificates	ENEC Certificate Trusys Flex DALI
Photometric and lighting design files		Document name
	IES file (IES)	TRUSYS FLEX P 70W 865 N CL WT DALI
	LDT file (Eulumdat)	TRUSYS FLEX P 70W 865 N CL WT DALI
	ULD file (DIALux)	TRUSYS FLEX P 70W 865 N CL WT DALI
	ROLF file (RELUX)	TRUSYS FLEX P 70W 865 N CL WT DALI
	UGR file (UGR table)	TRUSYS FLEX P 70W 865 N CL WT DALI
	LDC typ cone	TRUSYS FLEX P 70W 865 N CL WT DALI
	LDC typ polar	TRUSYS FLEX P 70W 865 N CL WT DALI

CAD/BIM files		Document name
	CAD_STEP_3D	TruSys FLEX

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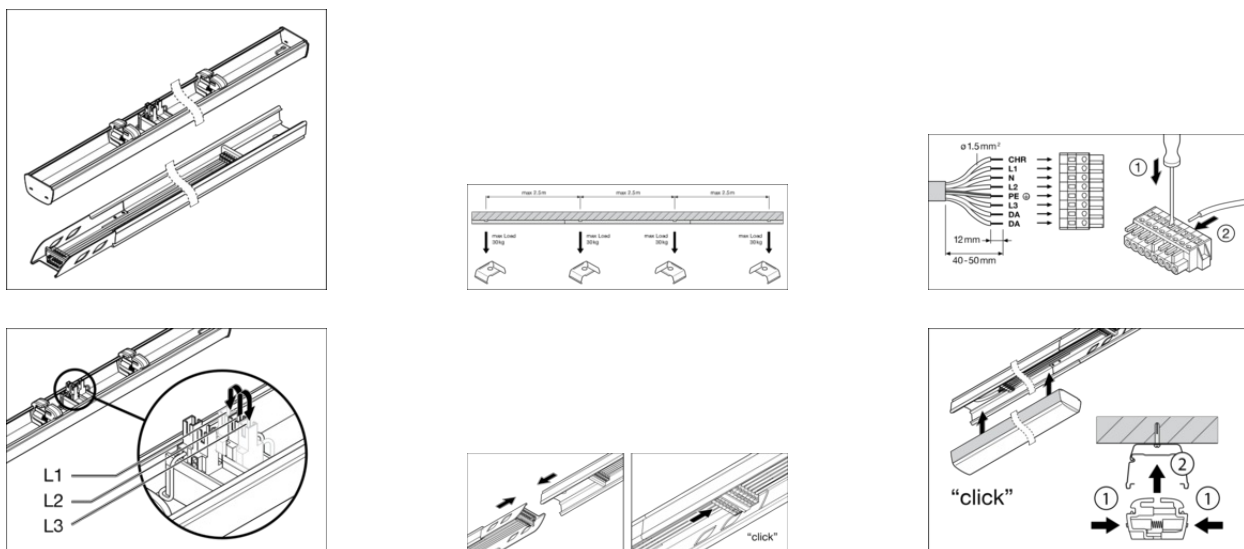
Tender texts		Document name
	Tender documents	TruSys FLEX NARROW 70W 865 N CL WT DALI-EN

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854191497	Folding box 1	108 mm x 1,534 mm x 102 mm	1925.00 g	16.90 dm <sup>3</sup>
4099854191503	Shipping box 4	1,547 mm x 218 mm x 231 mm	9760.00 g	77.90 dm <sup>3</sup>

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](http://www.ledvance.com/guarantee)

**DISCLAIMER**

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

