

PRODUCT DATASHEET

TruSys® WW 53 W 6500 K SI DALI

TruSys® WALLWASHER | Luminaire inserts with asymmetrical light distribution

Areas of application

- Direct replacement for luminaires with compact fluorescent lamps
- Discounters, supermarkets



Product benefits

- Innovative optical design with a rod lense-technology over the entire length of the luminaire
- Internal holders prevent the luminaire from falling while being mounted
- Easy electrical and mechanical connection to the mounting rail via snap-in mounting
- Single directional light distribution for lighting and accentuation of walls or advertisements
- Clean look as mounting brackets are not visible when mounted
- Plug-and-play system allows easy installation
- High-value design
- Rows of up to 81 (On-Off) / 91 (DALI) luminaires and an overall length of 124 m (On-Off) / 151 m (DALI) possible
- Energy savings of up to 65 % compared to luminaires with 2 x 80 W T5 lamps
- Version with DALI ECG available

Product features



- Asymmetric wallwasher light distribution with beam angle 45°
- Luminous efficacy: up to 135 lm/W
- Fixed energy taps for electrical connection
- High-quality aluminum casing
- Type of protection: IP20
- Follows the unified LEDVANCE design language (SCALE design)

TECHNICAL DATA

Electrical data

Nominal wattage	53.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	250 mA
Inrush current	35 A
Inrush current time T_{h50}	170 μ s
Max. number of luminaires per miniature circuit breaker B16	21
Max. number of luminaires per miniature circuit breaker C10	21
Max. number of luminaires per miniature circuit breaker C16	35
Power factor λ	≥ 0.95
Total harmonic distortion	< 6.1 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

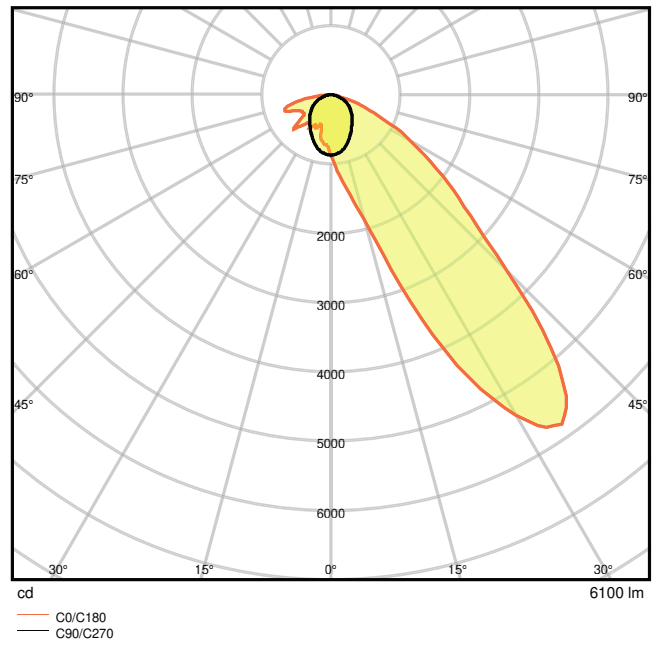
Luminous flux	6100 lm
Luminous efficacy	115 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤ 3 sdc _m
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	45 °

0.5	1.10	E(0°) E(C90)	47.6°	3499 492
1.0	2.19	E(0°) E(C90)	47.6°	875 123
1.5	3.29	E(0°) E(C90)	47.6°	389 55
2.0	4.38	E(0°) E(C90)	47.6°	219 31
2.5	5.48	E(0°) E(C90)	47.6°	140 20
3.0	6.57	E(0°) E(C90)	47.6°	97 14

Distance [m] Cone diameter [m] Illuminance [lx]

— C90/C270 (Half beam angle [°]: 95.2°)

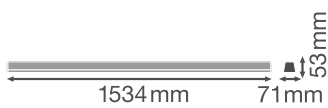
LDC typ cone



LDC typ polar

Dimensions & Weight

Length	1534.00 mm
Width	71.00 mm
Height	53.00 mm
Product weight	1800.00 g



Materials & Colors

Product color	Silver
Housing color	Silver
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)

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...+45 °C
Type of connection	Plug-In connection
Type of protection	IP20
Protection class IK (shock resistance)	IK07
Dimmable	Yes
Type of dimming	DALI
Mounting type	Suspended/Surface
Mounting location	Mounting rail
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	75000 h ¹⁾
Lifespan L80/B10 at 25 °C	50000 h ¹⁾
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Certificates & Standards

Standards	CE / CB / TÜV SÜD / ENEC / EAC
Ball shot safe	No

EQUIPMENT / ACCESSORIES













– Mounting rail with fixed integrated 5- (On-Off) / 7-pole (DALI) cable

DOWNLOAD DATA

Documents and certificates



User instruction

Documents and certificates	
	Addon Technical Information
	On-Pack-Info
	Declarations Of Conformity CE
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	ROLF file (RELUX)
	LDC typ cone
	LDC typ polar
CAD/BIM files	
	BIM_Revit_3D
	CAD_STEP_3D
Tender texts	
	Tender documents

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075102620	Folding box 1	58 mm x 1,552 mm x 82 mm	1965.00 g	7.38 dm ³
4058075102637	Shipping box 3	1,561 mm x 186 mm x 94 mm	7550.00 g	27.29 dm ³

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.

DISCLAIMER

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