PRODUCT DATASHEET
TruSys® W 53 W 6500 K SI

TruSys® WIDE | Luminaire inserts with wide light distribution

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

- 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
- Homogenous light distribution
- Clean look as mouting 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

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- Beam angle: 105°
- 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)

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TECHNICAL DATA

Electrical data

Nominal wattage	53.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	220 mA
Inrush current	30 A
Inrush current time T_{h50}	250 µs
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C10	15
Max. number of luminaires per miniature circuit breaker C16	27
Power factor λ	≥0.95
Total harmonic distortion	< 6.1 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	6900 lm
Luminous efficacy	130 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	≥80
Standard deviation of color matching	≤3 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	105 °

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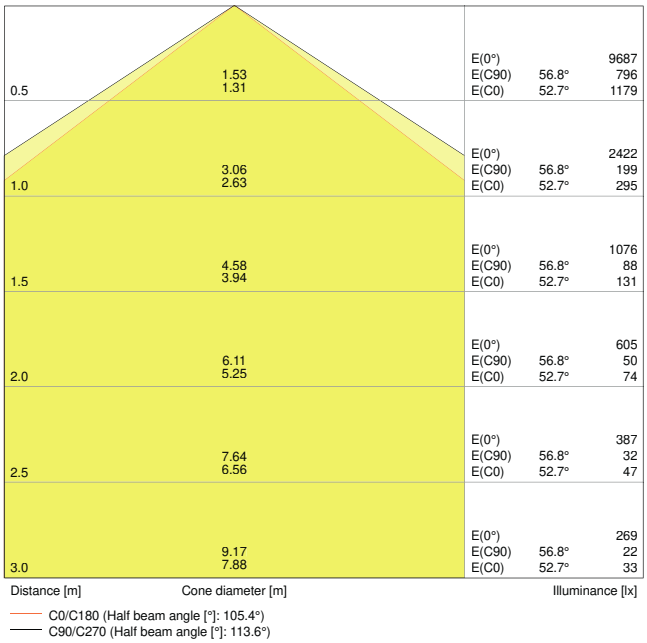
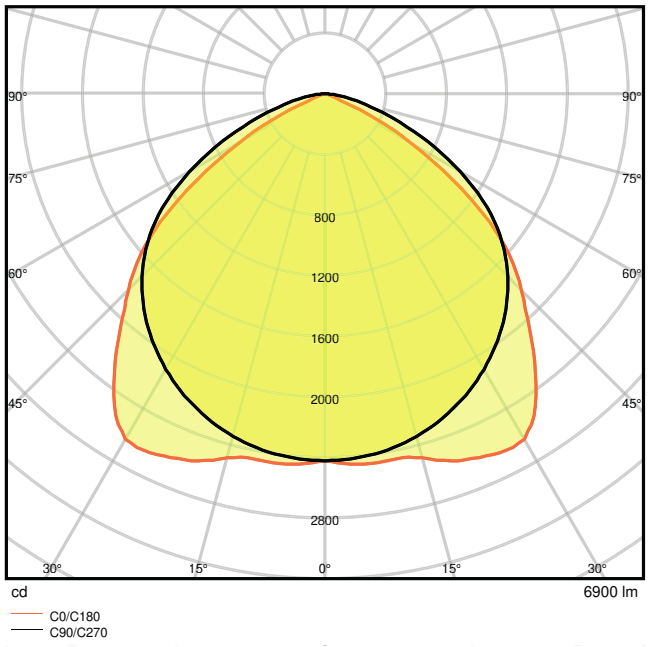


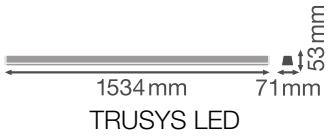
LEDVANCE TruSys LED 53W 6500K W SI



LEDVANCE TruSys LED 53W 6500K W SI

Dimensions & Weight

Length	1534.00 mm
Width	71.00 mm
Height	53.00 mm
Product weight	1740.00 g



TRUSYS LED

Materials & Colors

Product color	Silver
Housing color	Silver
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	Polycarbonate (PC)

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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	No
Mounting type	Suspended/Surface
Mounting location	Mounting rail
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	75000 h [1)]
Lifespan L80/B10 at 25 °C	50000 h [1)]
Lifespan L80/B50 at 25 °C	50000 h
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 / RoHS
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI_TruSys® TRUNKING SYSTEM

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	Documents and certificates	Document name
PDF	On-Pack-Info	Legal Insert TruSys
PDF	Legal information	LS Insert Trusys LED
PDF	Declarations of conformity	TRUSYS LED

	Photometric and lighting design files	Document name
IES	IES file (IES)	TRUSYS LED 53W 6500K W SI
LDT	LDT file (Eulumdat)	LEDVANCE TruSys LED 53W 6500K W SI
ULD	ULD file (DIALux)	TruSysWIDE53W6500KSI
ULD	ULD file (DIALux)	TRUSYS WIDE 53W 6500K
ROLF	ROLF file (RELUX)	TRUSYS LED 53W
	UGR file (UGR table)	LEDVANCE TruSys LED 53W 6500K W SI
	Light distribution curve type cone	LEDVANCE TruSys LED 53W 6500K W SI
	Light distribution curve type polar	LEDVANCE TruSys LED 53W 6500K W SI

	CAD/BIM files	Document name
RFA	BIM Revit 3D	TRUSYS 1500 3000 4500
STEP	CAD STEP 3D	TRUSYS 1500

	Tender texts	Document name
TXT	Tender documents	TruSys WIDE 53 W 6500 K SI-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075100497	Folding box 1	58 mm x 1,552 mm x 82 mm	1905.00 g	7.38 dm^3

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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075100503	Shipping box 3	1,561 mm x 186 mm x 94 mm	6650.00 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.

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