

# PRODUCT DATASHEET

## TruSys® NFL 53 W 6500 K SI

TruSys® NARROW | Luminaire inserts with narrow light distribution

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### Areas of application

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



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### 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
- Narrow-beam light distribution for application in rooms with high ceilings
- 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

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### Product features



- Narrow beam angle: 25°
- 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)

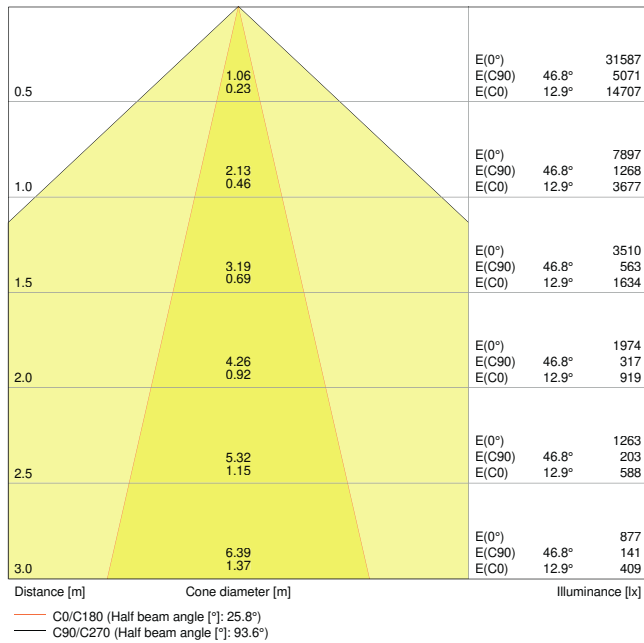
## TECHNICAL DATA

### Electrical data

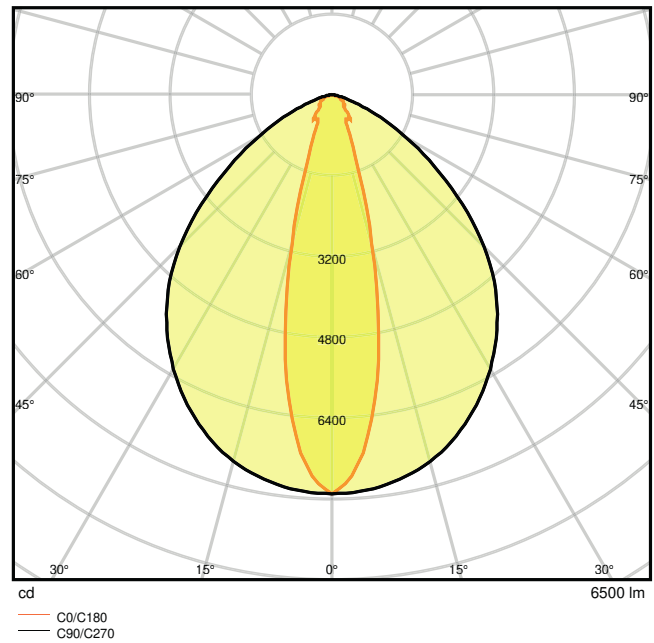
Nominal wattage	53.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	220 mA
Inrush current	30 A
Inrush current time $T_{h50}$	250 $\mu$ s
Max. no. of lum. on circuit break. B16 A	16
Max. no. of lum. on circuit break. C10 A	15
Max. no. of lum. on circuit break. C16 A	27
Power factor $\lambda$	$\geq 0.95$
Total harmonic distortion	< 6.1 %
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	6500 lm
Luminous efficacy	125 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 3$ sdc <sub>m</sub>
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	25 °



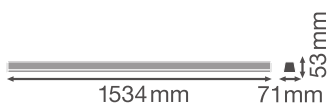
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### Dimensions & Weight

Length	1534.00 mm
Width	71.00 mm
Height	53.00 mm
Product weight	1740.00 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	No
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
Lifespan L80/B10 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

### Certificates & Standards

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

### Additional product data

Number of illuminants	-
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### EQUIPMENT / ACCESSORIES

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













### DOWNLOAD DATA

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User instruction

**DOWNLOAD DATA**

	Addon Technical Information
	Tender documents
	Declarations Of Conformity CE
	On-Pack-Info
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	ROLF file (RELUX)
	M3D file (3D Model)
	ULD file (DIALux)
	ULD file (DIALux)
	UGR file (UGR table)

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075100558	Folding box 1	58 mm x 1,552 mm x 82 mm	1905.00 g	7.38 dm <sup>3</sup>
4058075100565	Shipping box 3	1,561 mm x 186 mm x 94 mm	6920.00 g	27.30 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.

**DISCLAIMER**

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