

PRODUCT DATASHEET

LN COMBO 1200 V 40W PS 3CCT SEN WT

LINEAR COMBO | Surface luminaire with high luminous efficacy up to 150 lm/W



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Indoor applications
- Industrial and commercial halls
- Public areas
- Corridors, stairwells, basements

Product benefits

- Replacement of conventional T8 luminaires with up to 9000 lm
- Energy savings up to 60 % (compared to luminaires that use fluorescent lamps)
- Robust structure with IK03
- 5 years guarantee

Product features

- Very high luminous efficacy: up to 150 lm/W
- Robust metal housing and PC diffuser
- Wiring at back side of luminaire
- Through wiring possible

TECHNICAL DATA

Electrical data

Nominal wattage	40.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	180.000 mA
Inrush current	20.5 A
Inrush current time T_{h50}	230 μ s
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C16	23
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	6000 lm
Luminous efficacy	150 lm/W
Color temperature	3000 K / 4000 K / 6500 K
Light color (designation)	Warm White / Cool White / Cool Daylight
Color rendering index Ra	> 80
Standard deviation of color matching	5 sdc _m
Luminous intensity	-
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0,4
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

Dimensions & Weight

Length	1200.00 mm
Width	63.50 mm
Height	65.00 mm
Product weight	1200.00 g



LN COMBO 1200 3CCT

Materials & Colors

Product color	White
Housing color	White
Body material	Steel Plastic
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
Type of connection	Terminals, 5-Pole (L1, L2, L3, N, PE)
Type of protection	IP20/IP20
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	70000 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	44000 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)

Sensor

Type of sensor	Motion
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Certificates & Standards

Standards	CE / LVD / EMC / ERP / ROHS / REACH / EAC / ENEC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Number of illuminants

Not relevant

EQUIPMENT / ACCESSORIES

– Mounting screws and dowels included

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	LN COMBO 3CCT SENSOR
	Legal information	LN COMBO 3CCT
	Legal information	LN COMBO 3CCT
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	LN COMBO

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854228377	Folding box 1	1,207 mm x 68 mm x 69 mm	1393.00 g	5.66 dm ³
4099854228384	Shipping box 6	1,224 mm x 152 mm x 235 mm	9171.00 g	43.72 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.