PRODUCT DATASHEET
PL SF 1574 ZB V 48W 93040

PANEL SURFACE ZIGBEE 1574 | Surface-mounted refurbishment luminaires with Zigbee 3.0 technology, 1574 x 374 mm



Areas of application

- Offices, conference rooms
- Reception areas, foyers, corridors

Product benefits

- Suitable luminaire for DIRECT EASY / VIVARES Zigbee and other Zigbee 3.0 Light Management Systems
- Rectangular refurbishment luminaire for replacing standard T5 and T8 surface-mounted luminaires
- Enlarged luminaire dimensions to cover mounting marks of existing luminaire
- Highly versatile due to selectable light colors (Multi Select)
- Through-wiring possible with included connector box
- Easy mounting by single person
- Extended services such as energy monitoring and remote maintenance possible
- Versions with reduced glare (U19) for office applications available

Product features

- IoT-ready luminaire with Zigbee 3.0 technology
- High color rendering (CRI > 90) with up to 130 lm/W
- Robust one-piece metal frame
- Polystyrene diffuser
- High color consistency: ≤ 3 SDCM
- Suitable for central battery emergency installations acc. to EN 60598-2-22

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TECHNICAL DATA

Electrical data

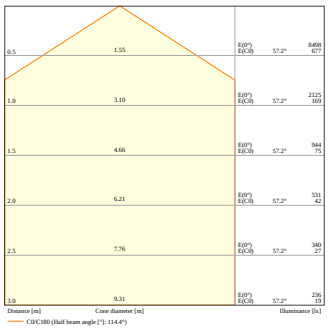
Nominal wattage	48.00 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	210.000 mA
Inrush current	0.27 A
Inrush current time T_{h50}	34 µs
Max. number of luminaires per miniature circuit breaker B16	47
Max. number of luminaires per miniature circuit breaker C10	29
Max. number of luminaires per miniature circuit breaker C16	47
Power factor λ	> 0.90
Maximum total harmonic distortion	< 15 %
Protection class	II
Operating mode	External LED driver
Dimming interface	Zigbee Direct / IoT

Photometrical data

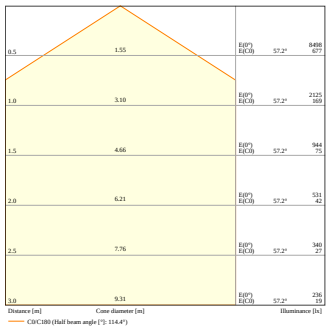
Luminous flux	6240 lm [1)]
Luminous efficacy	130 lm/W
Color temperature	3000 K / 4000 K
Reference control setting of contained light source (Kelvin)	4000 K
Light color (designation)	Warm White / Cool White
Color rendering index Ra	> 90
Standard deviation of color matching	3 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

1) 6000 lm @3000K

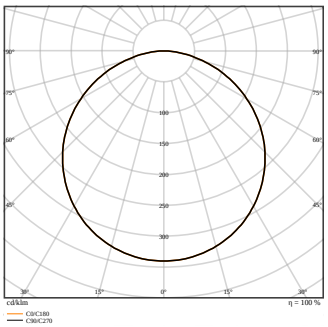
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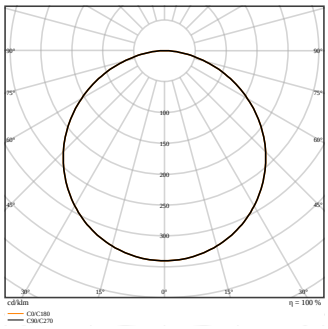
PL SF 1574 ZB V 48W 930 6240lm



PL SF 1574 ZB V 48W 940 6240lm



PL SF 1574 ZB V 48W 930 6240lm



PL SF 1574 ZB V 48W 940 6240lm

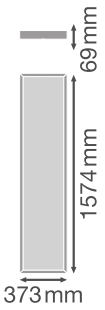
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
48 W	3000 K	6000 lm	125 lm/W
48 W	4000 K	6240 lm	130 lm/W

Dimensions & Weight

Length	1574.00 mm
Width	373.00 mm
Height	69.00 mm
Product weight	4730.00 g

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PL SF 1574

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Aluminum
Cover material	Polystyrene (PS)
Light emitting surface material	Polystyrene
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-10…+40 °C
Temperature range at storage	-20…+70 °C
Type of connection	Screwless terminal, 3-POLE (L, N, PE)
Type of protection	IP20
Protection class IK (shock resistance)	IK02
Dimmable	Yes
Type of dimming	ZIGBEE
IoT ready	Support of Zigbee Data Clusters: 0x0302 (Luminaire Asset Management), 0x0702 (Smart Energy: Metering), 0x0B04 (Electrical Measurement) [1)]
Mounting type	Surface/Suspended
Mounting location	Ceiling
Application environment	Indoor
Mechanically adjustable	No
With light source	Yes

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Replaceable light source	No

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

Lifespan

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

1) 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
Output ripple current (100 Hz)	< 5 %
Recommended control gear	DR ZB NF P 45W 220-240V 1A2

Emergency lighting

Type of Emergency Lighting (EL)	Optional EL unit (battery and controller) for decentral operation available separately / EL certified driver (0Hz / DC operation) for central battery operation included
Type of emergency operation test	None
Wattage in emergency operation mode	5 W
Luminous flux in emergency operation mode	650 lm

Certificates & Standards

Standards	CE / CB / EAC / ENEC / ROHS / ERP / UKCA / EL / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00078-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI COLOR / VIVARES

Accessories Optional

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Product image	Product name	EAN
	PL SF SUSPENSION KIT L/E/N	4099854732003

EQUIPMENT / ACCESSORIES

– Suspension kit available as separate accessory

Upgrade and replacement components

Components EL Battery

Product image	Product name	EAN
	EL KIT COMP 55V 4W LI MT AT 3H WT	4058075860711

Safety advice

– All electrical connections must be made by a qualified person.
– The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire must be disposed of.
– Caution, risk of electric shock.
– The luminaires are not suitable for covering with thermally insulated material.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	User Instruction G11256010 PL SURFACE
PDF	Extended installation guide	App Download Guide
PDF	Legal information	Legal Insert G11275478 PL SURFACE
PDF	Legal information	Safety Insert G11275410
PDF	Legal information	PL SF
PDF	Legal information	PL SF
PDF	Declarations of conformity	PANEL SURFACE ZIGBEE

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	Documents and certificates	Document name
PDF	Declarations of conformity UKCA	PANEL SURFACE ZIGBEE
PDF	EPD	EPD EN PANEL SURFACE

	Photometric and lighting design files	Document name
IES	IES file (IES)	PL SF 1574 ZB V 48W 930 6240lm
IES	IES file (IES)	PL SF 1574 ZB V 48W 940 6240lm
LDT	LDT file (Eulumdat)	PL SF 1574 ZB V 48W 930 6240lm
LDT	LDT file (Eulumdat)	PL SF 1574 ZB V 48W 940 6240lm
ULD	ULD file (DIALux)	PL SF 1574 ZB V 48W 93040
ROLF	ROLF file (RELUX)	PL SF 1574 ZB V 48W 93040
	UGR file (UGR table)	PL SF 1574 ZB V 48W 930 6240lm
	UGR file (UGR table)	PL SF 1574 ZB V 48W 940 6240lm
	Light distribution curve type cone	PL SF 1574 ZB V 48W 930 6240lm
	Light distribution curve type cone	PL SF 1574 ZB V 48W 940 6240lm
	Light distribution curve type polar	PL SF 1574 ZB V 48W 930 6240lm
	Light distribution curve type polar	PL SF 1574 ZB V 48W 940 6240lm

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Panel-Surface
STEP	CAD STEP 3D	PL SF 1574

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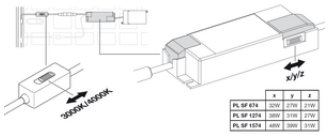
	Tender texts	Document name
	Tender documents	PANEL SURFACE ZIGBEE 1574 48W 93040-en

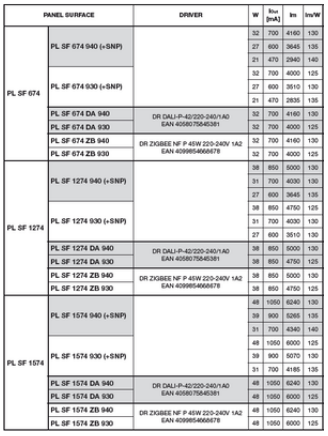
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854731686	Folding box 1	77 mm x 1,588 mm x 381 mm	5315.00 g	46.59 dm^3
4099854731693	Shipping box 2	1,606 mm x 175 mm x 410 mm	12973.00 g	115.23 dm^3

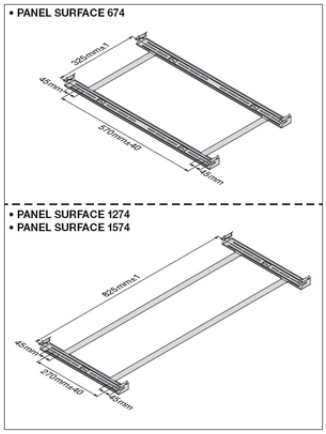
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

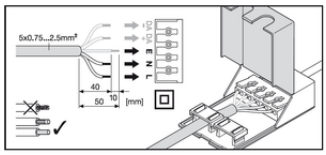
ADDITIONAL CATALOG INFORMATION

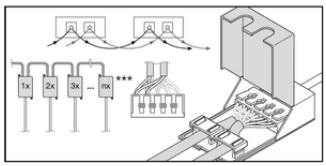




PANEL SURFACE		DRIVER	W	I_{flux} [mA]	lm	lm/W
PL SF 674	PL SF 674 940 (+SNP)		32	700	4160	130
			27	600	3645	135
			21	470	2940	140
	PL SF 674 930 (+SNP)		32	700	4000	125
			27	600	3510	130
			21	470	2835	135
	PL SF 674 DA 940	DR DALI-P-42/220-240/1A0 EAN 4058075845361	32	700	4160	130
	PL SF 674 DA 930		32	700	4000	125
	PL SF 674 ZB 940	DR ZIGBEE NF P 45W 220-240V 1A2 EAN 4099854666878	32	700	4160	130
	PL SF 674 ZB 930		32	700	4000	125
PL SF 1274	PL SF 1274 940 (+SNP)		38	850	5000	130
			31	700	4030	130
			27	600	3645	135
	PL SF 1274 930 (+SNP)		38	850	4750	125
			31	700	4030	130
			27	600	3510	130
	PL SF 1274 DA 940	DR DALI-P-42/220-240/1A0 EAN 4058075845361	38	850	5000	130
	PL SF 1274 DA 930		38	850	4750	125
	PL SF 1274 ZB 940	DR ZIGBEE NF P 45W 220-240V 1A2 EAN 4099854666878	38	850	5000	130
	PL SF 1274 ZB 930		38	850	4750	125
PL SF 1574	PL SF 1574 940 (+SNP)		48	1050	6240	130
			39	900	5265	135
			31	700	4340	140
	PL SF 1574 930 (+SNP)		48	1050	6000	125
			39	900	5070	130
			31	700	4185	135
	PL SF 1574 DA 940	DR DALI-P-42/220-240/1A0 EAN 4058075845361	48	1050	6240	130
	PL SF 1574 DA 930		48	1050	6000	125
	PL SF 1574 ZB 940	DR ZIGBEE NF P 45W 220-240V 1A2 EAN 4099854666878	48	1050	6240	130
	PL SF 1574 ZB 930		48	1050	6000	125







References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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

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