PRODUCT DATASHEET
PL SF 1274 DA V 38W 93040

PANEL SURFACE DALI 1274 | Surface-mounted refurbishment luminaires with DALI-2 technology, 1274 x 374 mm



Areas of application

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

Product benefits

- Suitable luminaire for VIVARES and other DALI-2 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 DALI-2 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

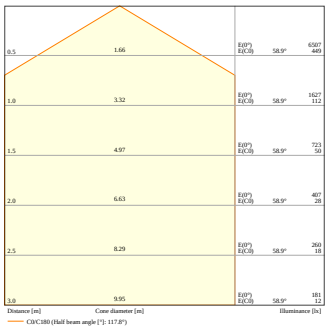
Nominal wattage	38.00 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	175.000 mA
Inrush current	0.27 A
Inrush current time T_{h50}	34 µs
Max. number of luminaires per miniature circuit breaker B16	47
Max. number of luminaires per miniature circuit breaker C10	29
Max. number of 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	DALI-2 / IoT / Push-DIM

Photometrical data

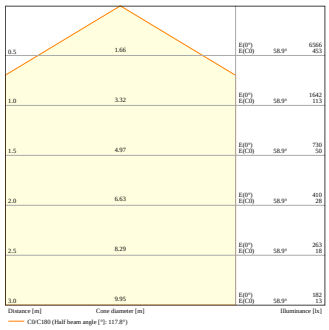
Luminous flux	5000 lm [1)]
Luminous efficacy	130 lm/W
Color temperature	3000 K / 4000 K
Reference control setting of contained light source (Kelvin)	4000 K
Light color (designation)	Warm White / Cool White
Color rendering index Ra	> 90
Standard deviation of color matching	3 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

1) 4750 lm @3000K

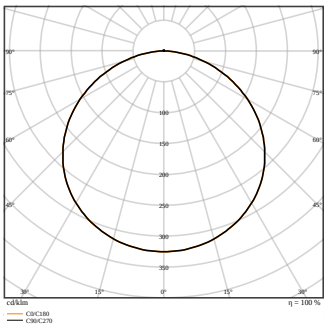
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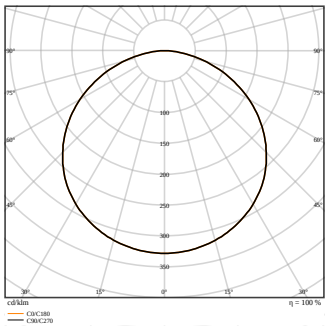
PL SF 1274 DA V 38W 930 5000lm



PL SF 1274 DA V 38W 940 5000lm



PL SF 1274 DA V 38W 930 5000lm



PL SF 1274 DA V 38W 940 5000lm

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
38 W	3000 K	4750 lm	125 lm/W
38 W	4000 K	5000 lm	130 lm/W

Dimensions & Weight

Length	1274.00 mm
Width	373.00 mm
Height	69.00 mm
Product weight	4050.00 g

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PL SF 1274

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	Terminal, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP20
Protection class IK (shock resistance)	IK02
Dimmable	Yes
Type of dimming	DALI-2
Dimming range	1…100 %
IoT ready	Support of DALI data type PART 251, 252, 253 [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	850 mA
Output ripple current (100 Hz)	< 5 %
Recommended control gear	DR DALI-P-42/220-240/1A0

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/DA+/DA-	4099854732027

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

Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT GROUP DALI-2 TW	4099854748691
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560

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Product image	Product name	EAN
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714

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Product image	Product name	EAN
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135
	REPEATER DALI-2 RAIL MOUNTING	4099854709111
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

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.

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DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	User Instruction G11256010 PL SURFACE
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11207793
PDF	Legal information	Legal Insert
PDF	Legal information	PL SF
PDF	Legal information	PL SF
PDF	Declarations of conformity	PL SF
PDF	Declarations of conformity UKCA	PL SF
PDF	EPD	EPD EN PANEL SURFACE

	Photometric and lighting design files	Document name
IES	IES file (IES)	PL SF 1274 DA V 38W 930 5000lm
IES	IES file (IES)	PL SF 1274 DA V 38W 940 5000lm
LDT	LDT file (Eulumdat)	PL SF 1274 DA V 38W 930 5000lm
LDT	LDT file (Eulumdat)	PL SF 1274 DA V 38W 940 5000lm
ULD	ULD file (DIALux)	PL SF 1274 DA V 38W 93040
ROLF	ROLF file (RELUX)	PL SF 1274 DA V 38W 93040
	UGR file (UGR table)	PL SF 1274 DA V 38W 930 5000lm
	UGR file (UGR table)	PL SF 1274 DA V 38W 940 5000lm
	Light distribution curve type cone	PL SF 1274 DA V 38W 930 5000lm

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	Photometric and lighting design files	Document name
	Light distribution curve type cone	PL SF 1274 DA V 38W 940 5000lm
	Light distribution curve type polar	PL SF 1274 DA V 38W 930 5000lm
	Light distribution curve type polar	PL SF 1274 DA V 38W 940 5000lm

	CAD/BIM files	Document name
	BIM Revit 3D	Panel-Surface
	CAD STEP 3D	PL SF 1274

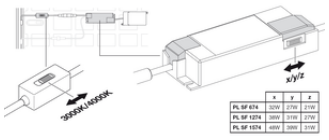
	Tender texts	Document name
	Tender documents	PANEL SURFACE DALI 1274 38W 93040-en

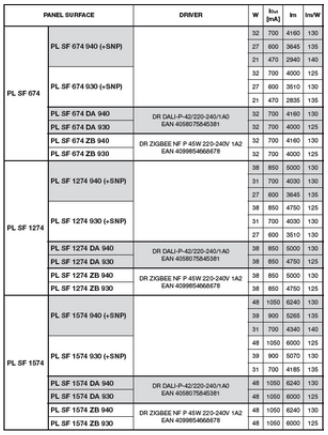
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854731648	Folding box 1	77 mm x 1,288 mm x 381 mm	4534.00 g	37.79 dm^3
4099854731655	Shipping box 2	1,306 mm x 175 mm x 410 mm	10262.00 g	93.71 dm^3

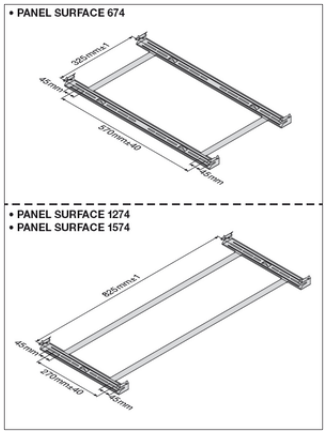
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION

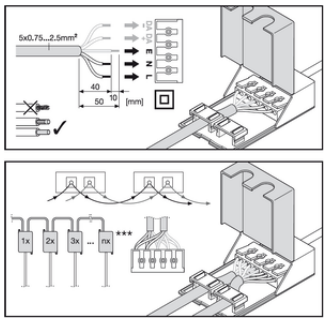




PANEL SURFACE		DRIVER	W	I_{flux} [mA]	lm	lm/W
PL SF 674	PL SF 674 940 (+SNP)		32	700	4160	130
			27	600	3645	135
			21	470	2940	140
	PL SF 674 930 (+SNP)		32	700	4000	125
			27	600	3510	130
			21	470	2835	135
	PL SF 674 DA 940	DR DALI-P-42/220-240/1A0 EAN 4058075845381	32	700	4160	130
	PL SF 674 DA 930		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 4058075845381	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 4058075845381	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



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References / Links

– For Guarantee see www.ledvance.com/guarantee

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