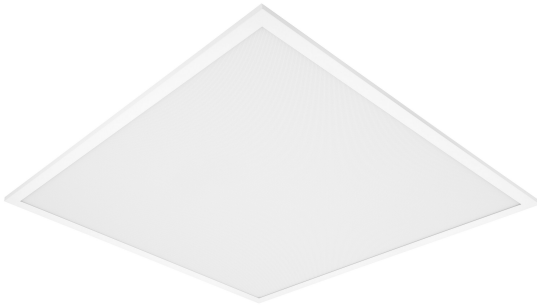


# PRODUCT DATASHEET

## BIOLUX HCL PL 625 S 40W TW DALI

BIOLUX HCL PANEL DALI GEN 2 | Recessed panel luminaires, Tunable White, 115 lm/W, tool-free installation, DALI-2 IoT technology



### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Broad Tunable White CRI90 light color spectrum for high quality Human Centric Lighting applications
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators
- Available for grid size of 600 mm x 600 mm, 625 mm x 625 mm and 1200 x 300 mm

### Product benefits

- Suitable luminaire for VIVARES DALI, VIVARES DALI HCL and other DALI-2 light controls
- Enables an individual Tunable White lighting solution in combination with compatible DALI-2 lighting controls
- Supports LEDVANCE Human Centric Lighting in conjunction with DALI PRO 2 IOT LDVV Controller (4052899627079)
- Compatible with VIVARES CLOUD SERVICE for energy monitoring
- Through-wiring possible with included cable clamp
- Energy savings thanks to high system efficacy: up to 115 lm/W
- External DALI-2 driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- Good glare reduction (UGR < 19)
- 5 years guarantee

### Product features

- IoT-ready luminaire with DALI-2 technology
- Adjustable color temperature via Tunable White: 2,700...6,500 K



- Very high color rendering index Ra: > 90
- High quality extruded aluminum frame
- Version available with pre-mounted Wago-connector (Item No: WAGO 771-9985/206-301) for Panel 625 CSW
- Suitable for central battery emergency installations acc. to EN 60598-2-22

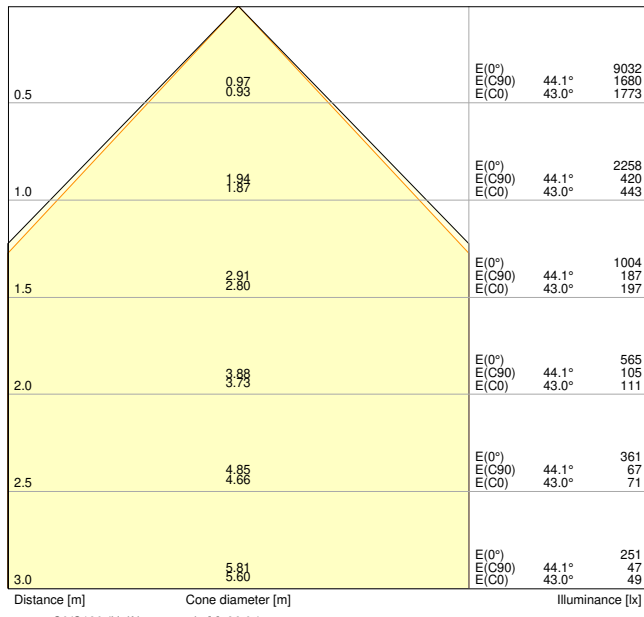
## TECHNICAL DATA

### Electrical data

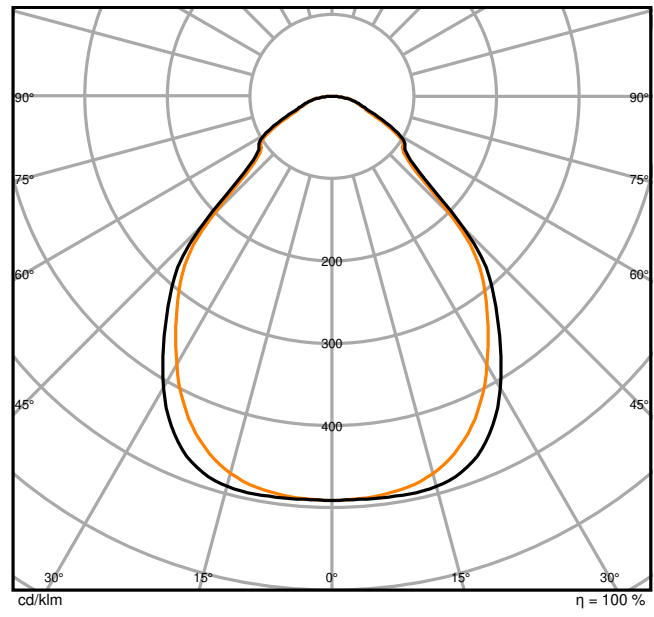
Nominal wattage	40.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	190.000 mA
Inrush current	27 A
Inrush current time $T_{h50}$	205 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	23
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	36
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

### Photometrical data

Luminous flux	4600 lm
Luminous efficacy	115 lm/W
Color temperature	2700...6500 K
Light color (designation)	Tunable White
Color rendering index Ra	> 90
Standard deviation of color matching	3 sdc <sub>m</sub>
Low flicker	Yes
Flickering metric (Pst LM)	≤ 1
Stroboscope effect metric (SVM)	≤ 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	90 °
UGR	< 19



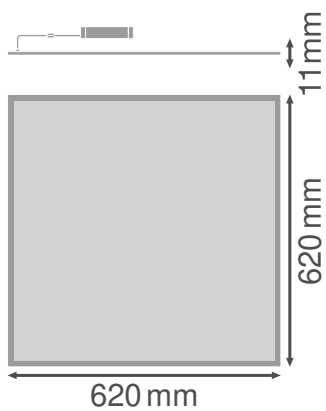
LDC typ cone



LDC typ polar

### Dimensions & Weight

Length	620.00 mm
Width	620.00 mm
Height	11.00 mm
Product weight	3440.00 g



## Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	PMMA
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

## Application & Mounting

Ambient temperature range	-20...+40 °C
Temperature range at storage	-20...+80 °C
Type of connection	Screwless terminal, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP20/IP20
Protection class IK (shock resistance)	IK02
Dimmable	Yes
Type of dimming	DALI2
Dimming range	1...100 %
Mounting type	Recessed
Mounting location	Ceiling / Wall
Application environment	Indoor
Mounting length	600 mm
Mounting width	600,0 mm
Mounting depth	50,0 mm
Adjustable	No
LED module replaceable	Not replaceable
With light source	Yes

## Lifespan

Lifespan L70/B50 at 25 °C	70000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	40000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	25000 h
Number of switching cycles	50000

<sup>1)</sup> 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	1100 mA
ECG - Output ripple current	< 1 %
ECG - Length	215 mm
ECG - Width	92 mm
ECG - Height	25 mm

### Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No







### Additional product data










Product remark	Available from September 2023
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### EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- External control gear included
- Security kit (security wire and brackets) included
- Cable clamp for through wiring preinstalled

### DOWNLOAD DATA

Documents and certificates	
	User instruction
	Addon Technical Information
	Packaging insert
	Declarations Of Conformity CE
	Declarations Of Conformity UKCA
	Certificates

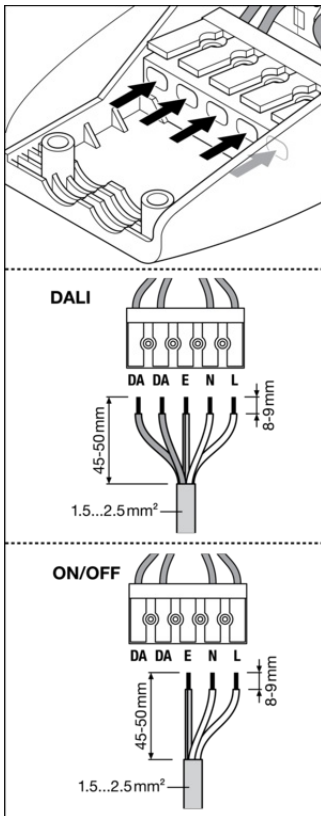
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar
	Spectral power distribution
CAD/BIM files	
	CAD_STEP_3D
Tender texts	
	Tender documents

### LOGISTICAL DATA

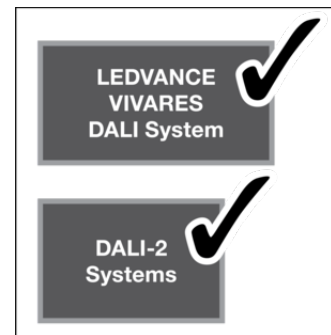
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854140167	Folding box 1	723 mm x 51 mm x 676 mm	4066.00 g	24.93 dm <sup>3</sup>
4099854140174	Shipping box 2	743 mm x 123 mm x 698 mm	9018.00 g	63.79 dm <sup>3</sup>

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.

### ADDITIONAL CATALOG INFORMATION



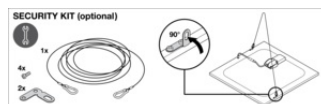
≤ 16 A	B10	B16	B25	B32	C10	C16	DALI	t <sub>c</sub>
BIOLUX HCL PL 625 S 40W TW DALI	14x	23x	35x	46x	23x	35x	OSRAM	-17/3°C
BIOLUX HCL PL 625 S 40W TW DALI	14x	23x	35x	46x	23x	35x	OSRAM	-17/3°C
BIOLUX HCL PL 625 S 40W TW DALI	14x	23x	35x	46x	23x	35x	OSRAM	-17/3°C
BIOLUX HCL PL 625 S 40W TW DALI	14x	23x	35x	46x	23x	35x	OSRAM	-17/3°C



**ACCESSORIES**

- SURFACE MOUNT KIT
- SURFACE MOUNT KIT VALUE
- SUSPENSION KIT
- RECESSED MOUNT FRAME
- RECESSED MOUNT CLIPS

(D) (GB)



References / Links

- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

DISCLAIMER

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