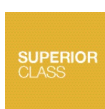
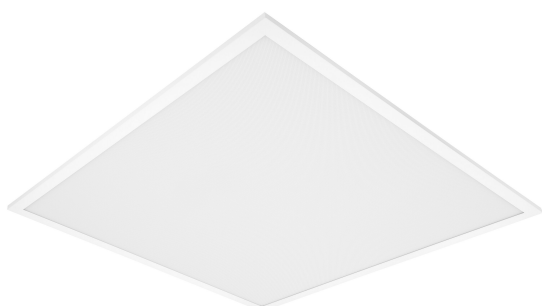


# PRODUCT DATASHEET

## BIOLUX HCL PL 600 S 41W TW DALI

BIOLUX HCL PANEL DALI GEN 1 | Square recessed panel luminaire, Tunable White, DALI-2



### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators
- Available for grid size of 600 mm x 600 mm and 625 mm x 625 mm

### Product benefits

- External DALI-2 driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- Good glare reduction (UGR < 19)
- Comfortable light and high color consistency
- 5 years guarantee

### Product features

- Extruded aluminum frame
- Adjustable color temperature via Tunable White: 2,700...6,500 K
- Version available with pre-mounted Wago-connector (Item No: WAGO 771-8517-3. 3m) for Panel 625 CSW
- Very high color rendering index Ra: > 90

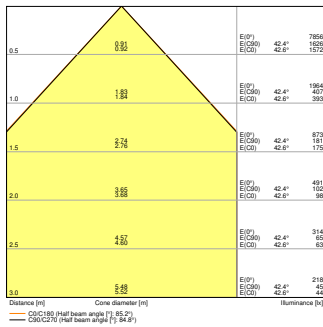
## TECHNICAL DATA

### Electrical data

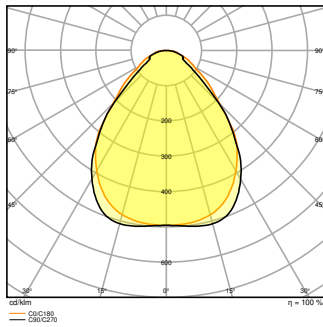
Nominal wattage	41.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	179 mA
Inrush current	27 A
Inrush current time $T_{h50}$	205 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	23
Max. number of luminaires per miniature circuit breaker C16	18
Power factor $\lambda$	$\geq 0.90$
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

### Photometrical data

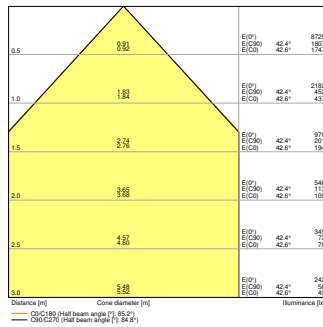
Luminous flux	4200 lm
Luminous efficacy	102 lm/W
Color temperature	2700...6500 K
Light color (designation)	Warm White / Cold White / Cool Daylight
Color rendering index Ra	> 90
Standard deviation of color matching	$\leq 3$ sdc <sub>m</sub>
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	80 °
UGR	< 19



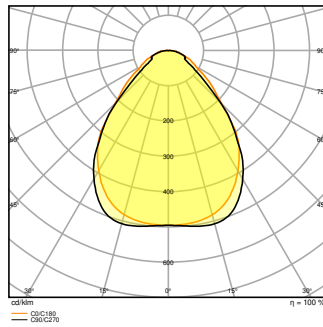
BIOLUX HCL PL 600 S 41W TW  
2700K DALI



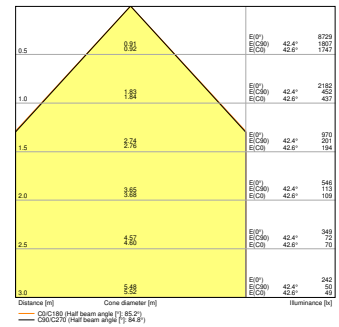
BIOLUX HCL PL 600 S 41W TW  
2700K DALI



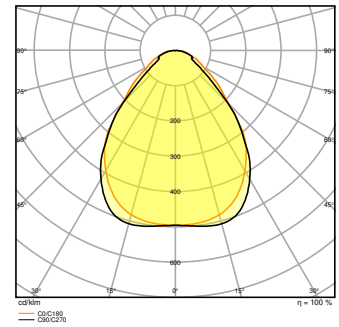
BIOLUX HCL PL 600 S 41W TW  
4000K DALI



BIOLUX HCL PL 600 S 41W TW  
4000K DALI



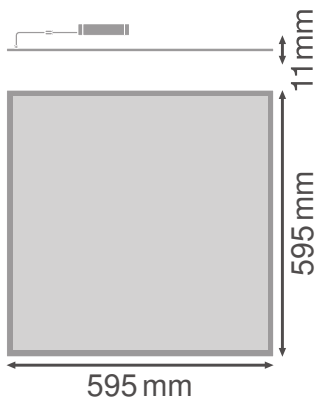
BIOLUX HCL PL 600 S 41W TW  
6500K DALI



BIOLUX HCL PL 600 S 41W TW  
6500K DALI

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	11.00 mm
Product weight	3100.00 g



BIOLUX HCL PL 600 ZB 43W

## Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Cover material	Polymethylmethacrylate (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
Type of connection	Screwless terminal, 5-Pole
Type of protection	IP20
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Type of dimming	DALI2
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	50,0 mm
LED module replaceable	Not replaceable
With light source	Yes

## Lifespan

Lifespan L70/B50 at 25 °C	50000 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

Nominal output current	600 mA
Output current	600 mA

Certificates & Standards

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

Accessories Optional









Product image	Product name	EAN
	PANEL 600 SURFACE MOUNT KIT H75	4058075472914
	PANEL 600 SURFACE MOUNT KIT H50	4058075826397
	PANEL 600 SURFACE MOUNT KIT H70 VAL	4058075402843
	PANEL 600 RECESSED MOUNT FRAME	4058075402881
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859
	PANEL Suspension Kit	4058075402928
	PANEL SECURITY KIT 4x	4058075472990






EQUIPMENT / ACCESSORIES



– Accessories for several mounting options available


– External control gear included

## DOWNLOAD DATA

Documents and certificates		Document name
	User Instruction	BIOLUX HCL PANEL TW DALI
	Addon Technical Information	LSI BIOLUX HCL PL
	Legal information	Legal Insert BIOLUX HCL PL TW DALI
	Declarations of conformity	Declaration of conformity BIOLUX HCL Panel TW DALI
Photometric and lighting design files		Document name
	IES file (IES)	BIOLUX HCL PL 600 S 41W TW 2700K DALI
	IES file (IES)	BIOLUX HCL PL 600 S 41W TW 4000K DALI
	IES file (IES)	BIOLUX HCL PL 600 S 41W TW 6500K DALI
	LDT file (Eulumdat)	BIOLUX HCL PL 600 S 41W TW 2700K DALI
	LDT file (Eulumdat)	BIOLUX HCL PL 600 S 41W TW 4000K DALI
	LDT file (Eulumdat)	BIOLUX HCL PL 600 S 41W TW 6500K DALI
	ULD file (DIALux)	BIOLUX HCL PL 600 S 41W
	ROLF file (RELUX)	BIOLUX HCL PL 600 S 41W
	UGR file (UGR table)	BIOLUX HCL PL 600 S 41W TW 6500K DALI
	UGR file (UGR table)	BIOLUX HCL PL 600 S 41W TW 2700K DALI
	UGR file (UGR table)	BIOLUX HCL PL 600 S 41W TW 4000K DALI
	LDC typ cone	BIOLUX HCL PL 600 S 41W TW 2700K DALI

Photometric and lighting design files		Document name
	LDC typ cone	BIOLUX HCL PL 600 S 41W TW 4000K DALI
	LDC typ cone	BIOLUX HCL PL 600 S 41W TW 6500K DALI
	LDC typ polar	BIOLUX HCL PL 600 S 41W TW 2700K DALI
	LDC typ polar	BIOLUX HCL PL 600 S 41W TW 4000K DALI
	LDC typ polar	BIOLUX HCL PL 600 S 41W TW 6500K DALI

CAD/BIM files		Document name
	BIM_Revit_3D	BIOLUX HCL PL
	CAD_STEP_3D	HCL PL 600

Tender texts		Document name
	Tender documents	BIOLUX HCL PANEL DALI 600 S 41W TW DALI-EN

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075636934	Folding box 1	648 mm x 51 mm x 651 mm	3848.00 g	21.51 dm <sup>3</sup>
4058075636941	Shipping box 4	667 mm x 222 mm x 670 mm	16775.00 g	99.21 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**

**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.