

# PRODUCT DATASHEET

## PANEL 4IN1 600 32 W 6500 K UGR19

PANEL 4IN1 600 UGR19 | Square 600 surface panel luminaires, UGR19



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### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, schools
- General indoor illumination
- Corridors, entrance areas
- Shop lighting

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### Product benefits

- Homogenous light distribution
- The product family offers full lighting solution for different applications
- Good glare reduction (UGR < 19)
- Energy savings of up to 50 % compared to T5 batten luminaires
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

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### Product features

- Available 600 x 600 and 300 x 1200
- Luminous flux 3600 lm
- Luminous efficacy: up to 112 lm/W
- Glow Wire Test according to IEC 60695-2-12: 650 °C
- Lifetime (L70/B50): 50,000 h (at 25 °C)

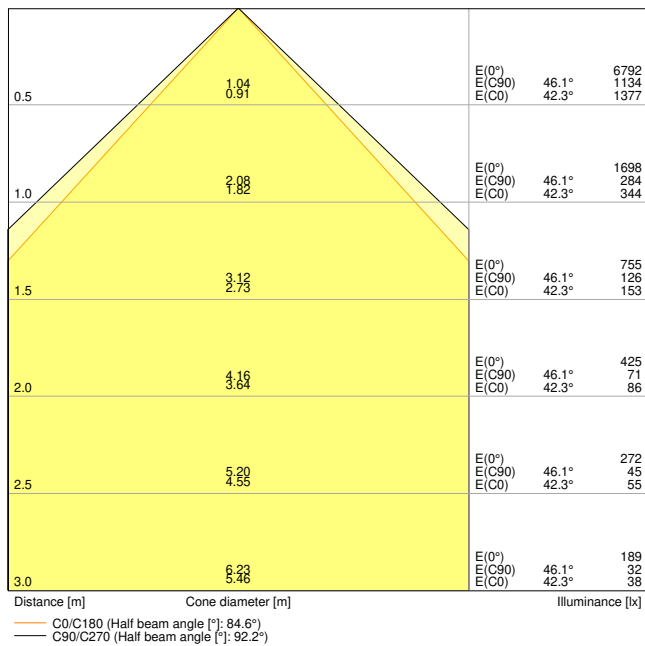
## TECHNICAL DATA

### Electrical data

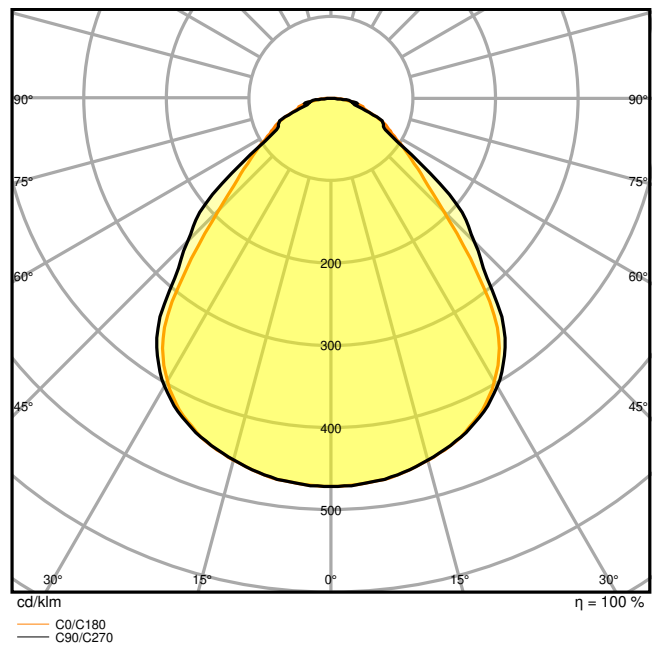
Nominal wattage	32.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	143.000 mA
Inrush current time $T_{h50}$	300 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	15
Max. number of luminaires per miniature circuit breaker C10	15
Max. number of luminaires per miniature circuit breaker C16	25
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	3600 lm
Luminous efficacy	112 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	> 80
Standard deviation of color matching	5 sdc <sub>m</sub>
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	90 °
UGR	< 19



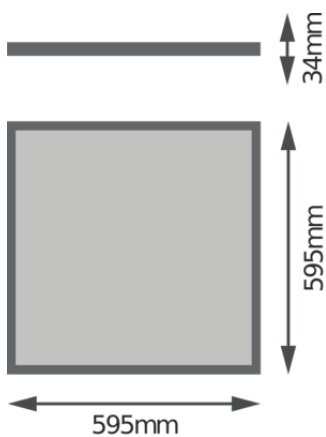
PANEL 4IN1 600 32W UGR19 WT EUE



PANEL 4IN1 600 32W UGR19 WT EUE

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	34.00 mm
Product weight	2700.00 g



PANEL 4IN1 600 32W WT EUE

Materials & Colors

Product color	White
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Housing color	White
Body material	Aluminum Steel
Cover material	Polystyrene (PS)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-10...+50 °C
Type of connection	Terminal, 3-Pole (L, N, PE)
Type of protection	IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Recessed/Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	44000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	36000 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)



### Certificates & Standards




Standards	CE / REACH / RoHS
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

### Additional product data






Number of illuminants	-
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### DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	PANEL 4IN1 EUE
 Addon technical information	PANEL 4IN1 EUE

Documents and certificates		Document name
	Legal information	PANEL 4IN1 EUE
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	PANEL 4IN1 32W WT EUE

Photometric and lighting design files		Document name
	IES file (IES)	PANEL 4IN1 600 32W 865 UGR19 WT EUE
	LDT file (Eulumdat)	PANEL 4IN1 600 32W 865 UGR19 WT EUE
	UGR file (UGR table)	PANEL 4IN1 600 32W UGR19 WT EUE
	Light distribution curve type cone	PANEL 4IN1 600 32W UGR19 WT EUE
	Light distribution curve type polar	PANEL 4IN1 600 32W UGR19 WT EUE

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075699649	Folding box 1	602 mm x 42 mm x 632 mm	2690.00 g	15.98 dm <sup>3</sup>
4058075699656	Shipping box 4	617 mm x 184 mm x 658 mm	13310.00 g	74.70 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.

**DISCLAIMER**

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