PRODUCT DATASHEET
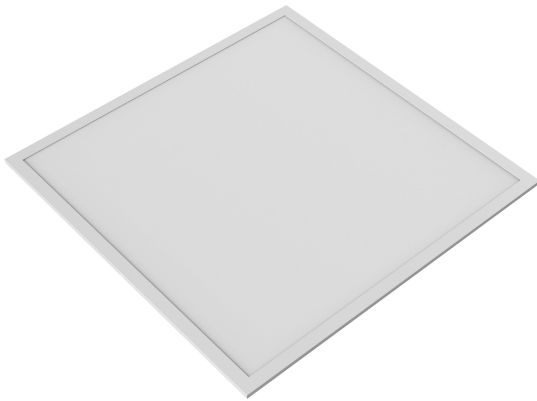# Essential Panel UGR≤19 600x600mm 50W CCT White

Essential Panel UGR≤19 | Essential Panel Ceilings for easy use

Areas of application

– Indoor
– Living areas (living rooms, dining rooms, bedrooms etc.)

Product benefits

– Good glare reduction (UGR ≤ 19)
– Long lifetime thanks to LED technology
– Excellent price/performance ratio
– Highly versatile due to selectable CCT (Multi Color) on the driver
– 2 in 1 Design: recessed mounting or surface mounting with add-on kit
– Easy mounting thanks to included steel hooks on the back

Product features

– LED ceiling luminaires with aluminum frame
– Lifetime up to 30,000 h
– TRI CCT (3000K/4000K/6500K)
– Type of protection: IP20
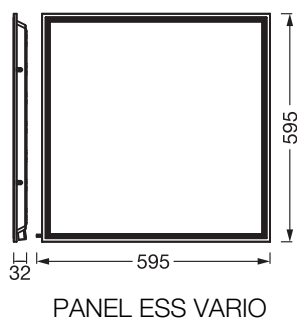
TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	215.000 mA
Inrush current	0.215 A
Inrush current time T_{h50}	540 µs
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C10	16
Max. number of luminaires per miniature circuit breaker C16	27
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

Photometrical data

Luminous flux	4500 lm
Total luminous flux of contained light sources	5800
Luminous efficacy	90 lm/W
Color temperature	3000…4000…6500 K
Reference control setting of contained light source (Kelvin)	3000 K
Light color (designation)	Warm White / Cool White / Cool Daylight
Standard deviation of color matching	6 sdcm
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	110 °
UGR	< 19

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1655.00 g

PANEL ESS VARIO

Materials & Colors

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

Application & Mounting

Ambient temperature range	-20…45 °C
Temperature range at storage	-20…+80 °C
Type of connection	Terminal, 3-pole
Type of protection	IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Surface/Recessed
Mounting length	595 mm
Mounting width	595 mm
Mounting depth	>50 mm
With light source	Yes
Replaceable light source	No

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

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

Additional product data

Product remark	Available from September 2025

Safety advice

– Luminaire must be disconnected from mains during installation, maintenance and cover removal
– Check wall-ceiling for suitability. If uncertain, seek professional advice.
– All electrical connections must be made by a qualified person.
– Caution, risk of electric shock.
– Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	Panel Essential CCT
PDF	Declarations of conformity	CE Declaration of Conformity Panel Essential
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity Panel Essential

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854649394	Folding box 1	40 mm x 612 mm x 614 mm	2013.00 g	15.03 dm^3
4099854649400	Shipping box 4	630 mm x 180 mm x 640 mm	9340.00 g	72.58 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.

DISCLAIMER

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