

LED FlatPanel

ULTRA FLAT LIGHT PANEL



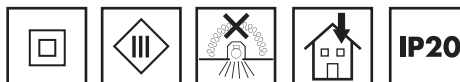
LED FlatPanel

LED Recessed Mounted FlatPanels

The use of state-of-the-art LED technology in conventional office and hall illumination provides a lot of advantages like an optimal light distribution and an increased lifetime all at an affordable price. LED FlatPanels are fully compatible with existing conventional lighting infrastructure, and are the perfect choice for both new and replacement markets.

■ FlatPanel

- Incl. external connected LED driver
- High efficiency of up to 100 lm/W
- Flat design for easy installation in low false ceiling
- High colour rendering index CRI: ≥ 80



LED FlatPanel

- **LONG SERVICE LIFE TIME: 50,000 h (L70/B50)**
- **100% INSTANT LIGHT**
- **WITH AND WITHOUT SEPARATE DRIVER**
- **STANDARD AND UGR19 VERSION**
- **5 YEARS GUARANTEE**

LED FlatPanel

Built-in LED light panel

Dimensions:

595x595x10.5 mm or 620x620x10.5 mm

Flange colour: white (RAL 9003)

Impact rating: IK04

Allowed operating temperature: 0 to 40 °C

Allowed storage temperature: -30 to 60 °C

Colour accuracy initially: ≤ 5 SDCM

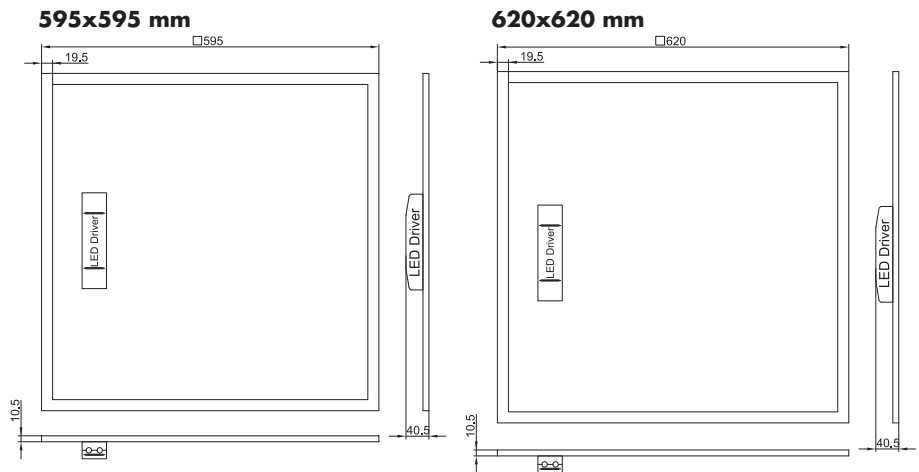
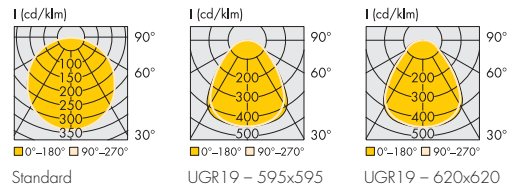
With or without external LED driver K2.1 or K33.1

With LED driver K33.1: flicker > 1%

For mains voltage: 220-240 V, 50-60 Hz

Power factor: > 0.9

Minimum order quantity: 24 pcs.



Standard version

Type	Ref. No. Driver K2.1	Ref. No. Driver K33.1	Colour	Correlated colour temperature K	Power consumption* W	Typ. luminous flux* and efficiency lm lm/W		Beam angle °	Typ. CRI Ra
595x595 mm									
FP-6060-30-830-3000-120	565551	566892	warm white	3000	30	3000	100	120	80
FP-6060-30-840-3000-120	565552	566893	neutral white	4000	30	3000	100	120	80
620x620 mm									
FP-6262-30-830-3000-120	565553	566895	warm white	3000	30	3000	100	120	80
FP-6262-30-840-3000-120	565554	566898	neutral white	4000	30	3000	100	120	80

* Production tolerance of luminous flux and power consumption: ±10% | Values without driver

UGR19 version

Low glare, especially suitable for office illumination

Type	Ref. No. Driver K2.1	Ref. No. Driver K33.1	Colour	Correlated colour temperature K	Power consumption* W	Typ. luminous flux* and efficiency lm lm/W		Beam angle °	Typ. CRI Ra
595x595 mm									
FP-6060-33-830-3300-90-U	565555	566900	warm white	3000	33	3300	100	90	80
FP-6060-33-840-3300-90-U	565556	566902	neutral white	4000	33	3300	100	90	80
620x620 mm									
FP-6262-33-830-3300-90-U	565557	566905	warm white	3000	33	3300	100	90	80
FP-6262-33-840-3300-90-U	565558	566906	neutral white	4000	33	3300	100	90	80

* Production tolerance of luminous flux and power consumption: ±10% | Values without driver

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LED FlatPanel

Without driver – Standard version

Type	Ref. No.	Colour	Correlated colour temperature K	Max. operating current mA	Typ. voltage DC V	Power consumption* W	Typ. luminous flux* and efficiency		Beam angle °	Typ. CRI R _a
		lm	lm/W							
595x595 mm										
FP-6060-30-830-3000-120-ND	566908	warm white	3000	900	28	30	3000	100	120	80
FP-6060-30-840-3000-120-ND	566909	neutral white	4000	900	28	30	3000	100	120	80
620x620 mm										
FP-6262-30-830-3000-120-ND	566911	warm white	3000	900	28	30	3000	100	120	80
FP-6262-30-840-3000-120-ND	566912	neutral white	4000	900	28	30	3000	100	120	80

* Production tolerance of luminous flux and power consumption: ±10% | Values without driver

Without driver – UGR19 version

Low glare, especially suitable for office illumination

Type	Ref. No.	Colour	Correlated colour temperature K	Max. operating current mA	Typ. voltage DC V	Power consumption* W	Typ. luminous flux* and efficiency		Beam angle °	Typ. CRI R _a
		lm	lm/W							
595x595 mm										
FP-6060-33-830-3300-90-UND	566914	warm white	3000	900	28	33	3300	100	90	80
FP-6060-33-840-3300-90-UND	566915	neutral white	4000	900	28	33	3300	100	90	80
620x620 mm										
FP-6262-33-830-3300-90-UND	566917	warm white	3000	900	28	33	3300	100	90	80
FP-6262-33-840-3300-90-UND	566918	neutral white	4000	900	28	33	3300	100	90	80

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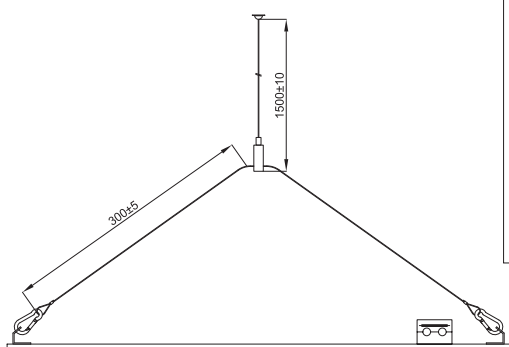
Assembly kit for suspension version

Consisting of

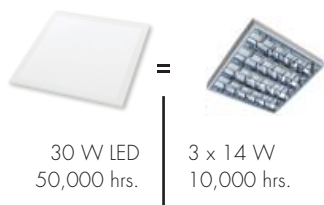
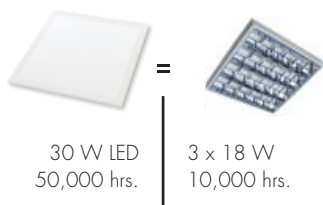
- 4 fixation brackets, incl. screws
- 6 screws M3, incl. pegs
- 4 steel cables with snap hooks
- 2 steel cables for suspension with adjustment element

Minimum order quantity: 1 pcs.

Ref. No.: 565559



Comparison with conventional illumination



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LED FlatPanel – Safety and Installation Instructions

General safety and installation Instructions for luminaires

The following instructions must be observed. Non-observance can result in personal injury and damage to property or can damage both luminaires and control gear. In such cases, the manufacturer's warranty as well as liability will be invalidated.

General Instructions

- Please read these instructions prior to installation/commissioning and keep them safe for future use.
- Any improper use or modification will invalidate the manufacturer's warranty and liability as well as any warranty claims.
- The luminaire contains integrated and non-exchangeable LED light sources.
- Care must be taken to ensure the luminaire is operated only using the supplied Vossloh-Schwabe control gear and accessories or using an alternative brand of approved control gear.
- Children must be prevented from playing with or near the luminaire.

Installation and operating instructions


- Installation of this luminaire may be undertaken only by authorised and suitably trained staff in accordance with any country-specific regulations.
- Installation must be carried out only after disconnecting the device from mains voltage, i.e. in a voltage-free state.
- Depending on the site of operation, the degree of protection (IPxx) will have to be observed during installation.
- Please ensure that the correct supply voltage is applied by checking it against the voltage requirements of the luminaire and the driver.
- For the purpose of commissioning, please ensure the correct polarity of the connecting leads. Incorrect polarity can destroy the modules.
- For trouble-free operation, it is important to ensure that the permissible ambient temperature range as stipulated in the datasheet is not exceeded. Exposure to sunlight can increase the ambient temperature.
- Only ever operate the luminaire with all protective covers in place.
- Given functional problems, please contact your Vossloh-Schwabe representative. Should the power supply cable be damaged, please scrap the luminaire and/or contact your VS representative.
- On contact with moisture or condensation, any resulting corrosive damage will not be recognised as a product flaw or manufacturer's defect.
- Connecting luminaires (LED modules) to supply units that are already connected to the mains can result in long-term damage. Secondary switching is not permissible.
- Touchable luminaire parts can reach high temperatures (risk of burning/injury.)
- Highly flammable materials (e.g. cladding or insulation material) must be kept away from the luminaire.
- Please ensure protective ESD (electrostatic discharge) measures are taken when handling and installing the luminaire – see VS "ESD Protection" application notes.

Cleaning instructions

- Depending on the conditions on site, the luminaire must be cleaned on a regular basis.
- Never use any flammable, abrasive, harsh or corrosive cleaning liquids.
- Prior to cleaning the luminaire, please ensure it is disconnected from the mains and is given time to cool down.
- Once it has cooled down, the luminaire can be cleaned with a damp cloth.
- Let the luminaire dry fully before switching it back on.

Answers to technical questions can be found on our website at www.vossloh-schwabe.com or ask your Vossloh-Schwabe representative.

Safety symbols

 Specifies the minimum clearance to flammable materials in the direction of radiation.



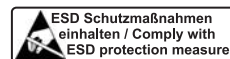
Indoor operation



Please ensure that the way the luminaire is positioned means there is no reason to expect anyone could look into it for a longer period of time with less clearance than stated in the datasheet.



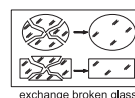
Caution: risk of electric shock.



Caution: components with a risk of electrostatic charge.



Luminaire/voltage supply unit must not be covered with any thermally insulating materials or similar.



Any cover with damage must be replaced.

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