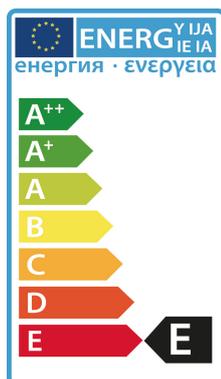


## Synergy 21 LED light panel 620\*620 35W V3 PRO KW / W UGR



kwh/1000h:	38,50
Lumens:	4725
Watt:	35,0
Nominal Service Life:	35000 Std.
Switching Cycles:	50000
Opt. Ambient Temperature.:	25 °C



### Ultra Slim LED Panel Light, PRO version – 24 V DC system panel

#### Intended use

Installation in the Odenwald ceiling

Further installation types are possible with optional accessories:

Surface-mounted, flush-mounted, suspended, wall-mounted and recessed installation.

#### Why 24 V DC instead of constant current?

##### The decisive difference

With classic LED panels with constant current, the panel is permanently linked to a specific driver. Changes in dimming, control or expansion often require a complete driver change.

**24 V DC panels consistently separate the luminaire and control unit.**

The panel becomes an **open-system lighting component**.

##### The advantages of 24 V DC technology in practice

##### Easy connection

- No constant current design necessary

- clear, standardised system voltage (24 V DC)
- Quick and safe installation

## Centralised power supply

- Multiple panels possible on one power supply
- fewer power supply units in the ceiling
- Clear and maintenance-friendly installation

## Free choice of control

- Dimming and control via the power supply unit
- Compatible with DALI, KNX, TRIAC, Zigbee, Loxone and many more
- Easy adaptation to different project requirements

## High future security

- Control can be changed or expanded later
- No need to replace the lights
- ideal for new builds and retrofitting

## Planning reliability

- One panel for many applications
- Lower stock keeping
- Uniform system across multiple projects

## General product data

- **Frame colour:** White;
- **Power consumption:** 35 watts
- **Luminous flux:** 4000 lm

(120 lm/W, up to 135 lm/W; LED module efficiency 150 lm/W)

- **Light colour:** Cold white; 5700 K
- **MacAdam / SDCM:** < 3
- **Colour rendering (CRI):** > 83
- **Beam angle:** 90°
- **Glare limitation:** UGR < 19

## Power supply & dimming

- **Power supply:** 24 V DC (system voltage)
- **Dimmable:** depending on the power supply unit used
- Multiple panels can be operated on one power supply unit

## Compatible with common control systems, e.g.:

- DALI
- TRIAC
- KNX
- Zigbee
- Loxone
- PWM controller
- Other 24 V control solutions

## Protection & service life

- **Protection class:** IP40
- **Impact resistance:** IK05
- **Nominal service life:** L80 / 50,000 h

- **Working temperature:** -20 °C to +45 °C (ambient)

## Dimensions

- **Dimensions:** 622 × 622 × 12 mm
- **Hole size:** 605 × 605 mm

## Scope of delivery & accessories

The panel is supplied **without a power supply unit** as standard. This allows **free selection of the optimum power supply unit** to match the desired dimming and control solution.

For suitable power supply units (e.g. DALI, TRIAC, KNX, Zigbee etc.) see accessories.

## Guarantee

- **5-year manufacturer's warranty**

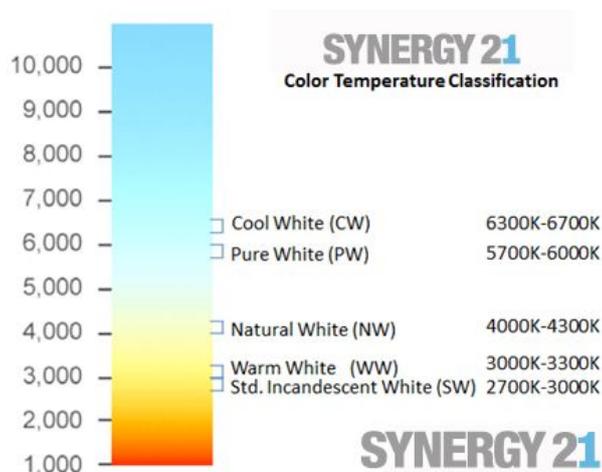
## Attributes

Attribute	Value
Abstrahlwinkel:	120
Ampere:	1,46
Betriebstemperatur:	-20 bis +45
CRI:	>83
Dimmbar:	Ja, abhängig vom Netzteil
EPREL_ANTI_GLARE_SHIELD:	false
EPREL_BEAM_ANGLE:	120
EPREL_BEAM_ANGLE_CORRESPONDENCE:	WIDE_CONE_120
EPREL_CAP_TYPE:	SMT
EPREL_CHROMATICITY_COORD_X:	0.380
EPREL_CHROMATICITY_COORD_Y:	0.380

Attribute	Value
EPREL_CLAIM_EQUIVALENT_POWER:	false
EPREL_COLOUR_RENDERING_INDEX:	83
EPREL_COLOUR_TUNEABLE_LIGHT_SOURCE:	false
EPREL_CONNECTED_LIGHT_SOURCE:	false
EPREL_CORRELATED_COLOUR_TEMP:	5000
EPREL_CORRELATED_COLOUR_TEMP_TYPE:	SINGLE_VALUE
EPREL_DIMENSION_DEPTH:	10
EPREL_DIMENSION_HEIGHT:	620
EPREL_DIMENSION_WIDTH:	620
EPREL_DIMMABLE:	NO
EPREL_DIRECTIONAL:	NDLS
EPREL_ENERGY_CLASS:	E
EPREL_ENERGY_CONS_ON_MODE:	35
EPREL_EQUIVALENT_POWER:	Not applicable
EPREL_HIGH_LUMINANCE_LIGHT_SOURCE:	false
EPREL_LIGHTING_TECHNOLOGY:	LED
EPREL_LUMEN_MAINTENANCE_FACTOR:	0.95
EPREL_LUMINOUS_FLUX:	3500
EPREL_MAINS:	NMLS
EPREL_MAX_BEAM_ANGLE:	132
EPREL_MAX_COLOUR_RENDERING_INDEX:	86
EPREL_MIN_BEAM_ANGLE:	108
EPREL_MIN_COLOUR_RENDERING_INDEX:	80
EPREL_POWER_ON_MODE:	35.0
EPREL_POWER_STANDBY:	0.45
EPREL_R9_COLOUR_RENDERING_INDEX:	0
EPREL_REGISTRANT_NATURE:	MANUFACTURER
EPREL_SURVIVAL_FACTOR:	0.9
Farbkonsistenz (McAdam-Ellipse):	<=3
Grösse:	620*620
LED - Gehäusefarbe:	weiß

Attribute	Value
Lichtfarbe:	kaltweiß
Lichtfarbe in Kelvin:	5700
Lumen:	4200
Schutzklasse:	IP40
UGR:	<19
Volt:	24
Weight:	2.95 Kg
Warranty:	60.00 Months

## Additional Images



## Accessories

Part No.	Name
242282	Synergy 21 Netzteil - 24V 50W RGB-W Osram + Casambi
231721	Synergy 21 Netzteil - 24V 75W SELF IP20 TRIAC dim
233913	MEANWELL Netzteil - 24V 40W IP67
157352	Mean Well power supply - 24V 40W dimmable IP65
232482	Synergy 21 Netzteil - 24V 36W - für Unterputzdose

Part No.	Name
250294	MEANWELL Netzteil - 24V 35W IP67