



Features

• The Panel IP65 CR is a range of backlit LED panels tested by 3rd party to ensure they meet ISO 14644-1 Class 3-9 cleanroom classification. Ideal for healthcare, hospitals, laboratories and pharmaceutical industry, it meets the IFS requirements by offering impact resistant cover and good cleanability. Easy-to-clean luminaires with a high protection class to avoid vapors and dust entry. Low glaring UGR<19. RG0, 100-degree beam angle, optical system: prismatic diffuser with powder coating finish. Tp(b) rated diffuser that may not burn at a speed of more than 50mm per minute. Light color temperature: 4000K Cool White, total system power: 44W, total fixture output: 4400lm, efficacy: 100lm/W, Ra90 typical, LED chromaticity: 3 step MacAdam ellipse (SDCM3), lifespan: 100,000 hours at 70% of the original output (L70B50), operating voltage: 220-240V / 50-60Hz, low flicker, non-dimmable IP65 driver, electrical protection: Class II. Degree of Protection: IP65 (both front and back) - able to protect against water jets. Nominal size: 595x595mm, Loop in / loop out wiring with accessory box, safety cables included, 34mm nominal height, White color frame, weight: 2.2kg. For using EM kits 0046600-01 please order connector 0047523.

Product Overview

Product name	Panel IP65 CR UGR19 600x600 4400lm 940 WH
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Logistics & Industry, Office
ETIM Class	EC002892

Panel IP65 CR UGR19 600x600 4400lm 940 WH 0042783

E-number FI	4279577
Fixture luminous flux (lm)	4400
Luminaire efficacy (lm/W)	100
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	3
Beam Angle (°)	100
Glare control	< 19
Photobiological Risk Group	RG0
Total power consumption (W)	44
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9003
IP rating	IP65
IK rating	IK05
Product EAN number	5410288427836
Warranty	5 years
Dimming method	N/A
Colour Code	940

0.5	1.00	E(0°) E(C0)	8307 1475
1.0	2.00	E(0°) E(C0)	2077 369
1.5	3.00	E(0°) E(C0)	923 154
2.0	4.00	E(0°) E(C0)	519 90
2.5	5.00	E(0°) E(C0)	332 59
3.0	6.00	E(0°) E(C0)	231 41

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 90.0°)

Technical drawing of the LED panel showing top and side views with dimensions:

- Top View:** A square panel with a side length of 595 mm.
- Side View:** Shows the panel's profile with a total height of 66 mm. The mounting bracket height is 34 mm, and the panel thickness is 32 mm.

GENERAL DATA

Product name	Panel IP65 CR UGR19 600x600 4400lm 940 WH
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Panel IP65 CR UGR19 600x600 4400lm 940 WH 0042783

Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Logistics & Industry, Office
Operating temperature range (°C)	-10°C...+40°C
ETIM Class	EC002892
E-number FI	4279577
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	4400
Luminaire efficacy (lm/W)	100
Correlated colour temperature (k)	4000
Colour Code	940
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	3
Beam Angle (°)	100
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG0

ELECTRICAL DATA

Total power consumption (W)	44
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	10.0
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
Dimmable	No

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Dimming method	N/A
Drive current (mA)	1100
Inrush Current (A)	15
Inrush Duration (µs)	290
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	31
Max. products per 16A C Breaker	40
Max. products per 16A B Breaker	24
Connectable conductor cross section - Max (mm²)	1.5

LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L70 B20	100000
Lifespan L70 B10	100000
Lifespan L80 B50	85000
Lifespan L80 B20	83000
Lifespan L80 B10	82000
Lifespan L90 B50	35000
Lifespan L90 B20	34500
Lifespan L90 B10	34000

PHYSICAL DATA

Housing colour	RAL9003
IP rating	IP65
IK rating	IK05
Diffuser finish	Prismatic
Diffuser material	PS Polystyrene
Nominal Product Length (mm)	595
Nominal Product Width (mm)	595
Nominal Product Height (mm)	34



Panel IP65 CR UGR19 600x600 4400lm 940 WH
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Weight (kg)	2.425
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PACKAGING

Product EAN number	5410288427836
Packaging single length / height (cm)	60.0
Packaging single width (cm)	3.9
Packaging single depth (cm)	66.5
DUN14 (inner)	15410288427833
Units per outer package	46
Packaging outer length / height (cm)	136.0
Packaging outer width (cm)	98.0
Packaging outer depth (cm)	63.0

SAFETY DATA

Glow Wire Test (°C)	650
Optimal operating condition (°C)	-10-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No