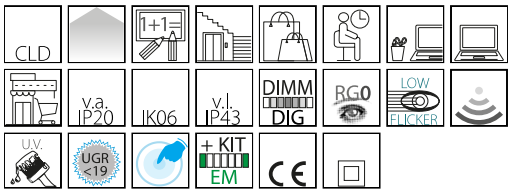
844 - LED Panel HE - UGR<19 - DIP SWITCH

Code: 150225-00



The superior quality of LED lighting is now more affordable and accessible thanks to a benchmarking product that offers, at contained costs, the ideal light for offices, shopping centres, hotels and healthcare facilities and in general all spaces where continuous lighting is necessary.
It is the best and easiest way to get one of today's most advanced technology in interior lighting solutions.
The presence of a LED source is not always synonym with excellent performance. The long service life and optimal light output of a lighting system also depends on the use of top-notch materials that are tested, controlled and selected with care to maintain lighting and aesthetic quality over time: lumen maintenance, perfect colour rendering, no glare and no yellowing of components.
A special slab fitted between the LED source and the diffuser is responsible for the operation, quality and amount of light emitted from the light panel. This slab is made in PMMA (polymethyl methacrylate). This is a polymer that keeps its characteristics unaltered and prevents the lens from yellowing, found in 'cheaper' products that use, for example, polystyrene (PS), therefore making them available at much lower costs.
The result? Unlike the PMMA, the slab in PS becomes yellow after 6000-8000 hours of operation, decreasing both the amount and the quality of the light emitted. Even during the day, when the fixture is switched off, the perfect integration of the white panel into the false ceiling is compromised, affecting the installation's overall appearance. Thanks to this slab in PMMA, our light panels can fully benefit from the lighting advantages ensured by the most advanced LED sources and keep them unaltered in time. 80% lumen maintenance for 50000h (L80B20), perfect colour rendering, no glare (UGR<19) and certified low flicker level.
DIP switch adjustment: the luminaire is equipped with a built-in DIP switch driver for setting the output current; this will enable to choose the right light flux for each lighting design.
The chance to choose the needed LED pilot current will allow you to have the right amount of power adjusted to any given design requirement. Choosing a lower current will increase the efficiency and improve energy savings, while a higher current will provide more light and make it possible to reduce the number of luminaires installed.

GENERAL INFORMATION

Article	844 - LED Panel HE - UGR<19 - DIP SWITCH
Code	150225-00

DIMENSIONS AND WEIGHT

Length (mm)	596 mm
Width (mm)	596 mm
Height (mm)	12 mm
Weight (Kg)	2.5 kg

INSTALLATION

Recessed dimensions - Length (mm)	576 mm
Recessed dimensions - Width (mm)	576 mm

ELECTRICAL CHARACTERISTICS AND CONTROLS

Voltage type	AC
Min Voltage (V)	220 V
Max Voltage (V)	240 V
Min Frequency (Hz)	50 Hz
Max Frequency (Hz)	60 Hz
Frequency (Hz)	50 Hz
Wiring name	CLD
Power factor	≥0.95
Rated Current	800 mA
Insulation class	Class II
Controllability	None

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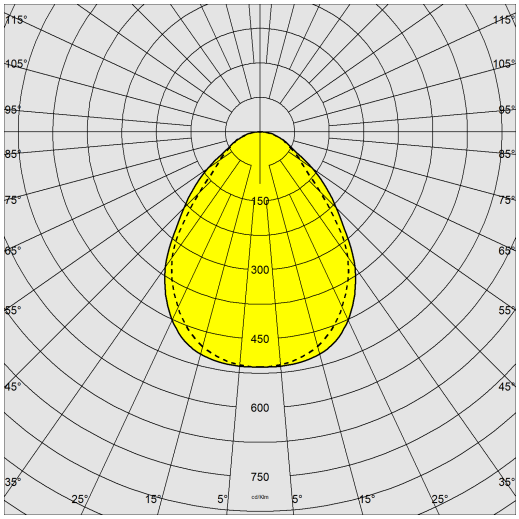

PHOTOMETRIC DATA

Lighting source	LED
CRI	≥80
Luminous flux (output) (lm)	4081 lm
Power absorption (total) (W)	31 W
CCT	4000 K
Luminous efficacy (lm/W)	132 lm/W
Unified glare rating UGR (EN 12464-1) (Reflectance coefficient: ceiling 0.7 - walls 0.5)	UGR<19, according to standard EN 12464. Art 150211-00: not UGR<19
Low Flicker	luminaire with very low flicker: evenly distributed light for greater visual safety.
Colour consistency	SDCM3
LED flux maintenance	50000 hr, L 80, B 20

MECHANICAL CHARACTERISTICS

Impact resistance rating (IK)	IK06
IP (vl)	43
IP (va)	20

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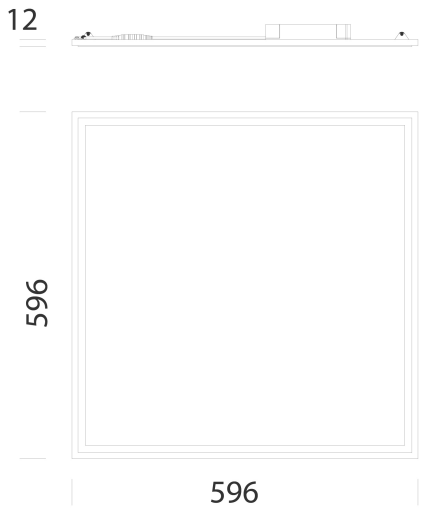

DOWNLOAD

MOUNTS

AssemblyInstructions EM-KIT 600 03-22.pdf

AssemblyInstructions 844 dipswitch 09-22.pdf

DESIGNS

BIM 844 Led Panel HE 02-24

TechnicalDrawing 844.dxf

MATERIALS AND COLOURS

Housing	body in steel sheet and frame in aluminium.
Diffuser	in high transmittance prismatic technopolymer. Internal PMMA slab.
Colour	White
Equipment	Ceiling lighting fixture with external driver; it can be easily housed in false ceilings.

STANDARDS AND COMPLIANCE

Photobiological safety class	RG0
Markings and tests	CE
Reference standards	EN60598-1. With degree of protection according to EN60529.
Energy Label	E

GEAR

Upon request	- DIMM DALI CLD-D wiring (subcode -0041) - CLD-D (PUSH) (subcode -0045)

WARRANTY

After sales warranty	5 yr

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Code	Wiring	Kg	Colour	I LED	TotW	K - Lumen Output - CRI – Degrees
150225-00	CLD	3.00	WHITE	800	31	4000K - 4081lm - CRI>=80
150225-00	CLD	3.00	WHITE	700	27	4000K - 3593lm - CRI>=80
150225-00	CLD	3.00	WHITE	900	35	4000K - 4538lm - CRI>=80
150225-00	CLD	3.00	WHITE	1000	40	4000K - 4996lm - CRI>=80
150225-39	CLD	3.00	WHITE	800	31	3000K - 3877lm - CRI>=80
150225-39	CLD	3.00	WHITE	700	27	3000K - 3413lm - CRI>=80
150225-39	CLD	3.00	WHITE	900	35	3000K - 4311lm - CRI>=80
150225-39	CLD	3.00	WHITE	1000	40	3000K - 4746lm - CRI>=80

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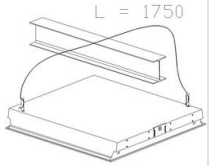
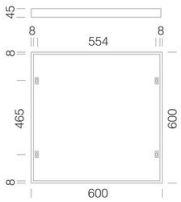


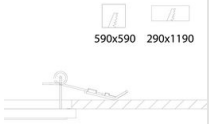
320 Cord

2520 Simple suspension

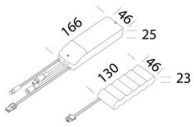
587 Presence and light sensor



595 Frame 600x600 h 45 mm



907 Springs



600 EM power supply kit

986417-00 - MASTER DIMM DALI - recessed

986418-00 - MASTER DIMM DALI - ceiling

986423-00 - SLAVE DIMM DALI - recessed

986419-00 - SLAVE DIMM DALI - ceiling