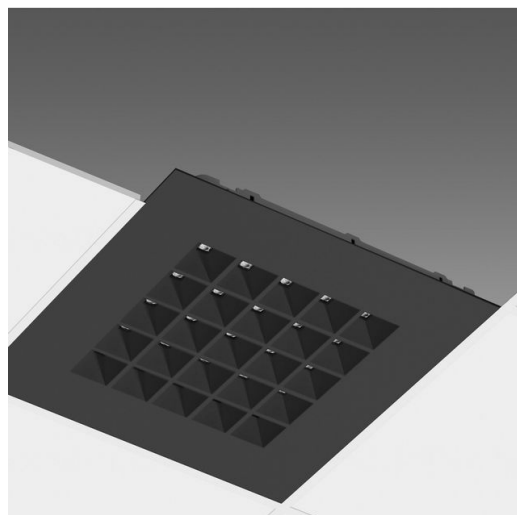


816 - Comfortsquare -76° - DIP SWITCH

Code: 150371-00



The Human Centric Lighting approach puts the spotlight on people's health and wellbeing. Light is required to be of high quality, with perfect colour rendering, no glare and flickering and suited for the visual task at hand. Moreover, luminous flux and colour temperatures must adapt to different needs throughout the day in order to create a balance between artificial and natural light. For example, cold lights should be used in places where people need to concentrate, while warmer lights should be used in places where people relax.

Disano offers a great variety of products to implement this lighting philosophy in offices, lecture rooms, hospitals and in places where we spend most of our days.

Comfortsquare is the latest born in Disano's series of recessed LED fixtures. The special light panel design is a solution, which is becoming increasingly popular in offices, healthcare structures and retail spaces.

The excellent light distribution and anti-glare optics (UGR <16 and UGR <19) favour maximum efficiency and visual comfort.

Moreover, their versatility makes these fixtures suited in virtually any interior lighting design.

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

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DIMENSIONS AND WEIGHT

Length (mm)	595 mm
Width (mm)	595 mm
Height (mm)	42 mm
Weight (Kg)	4 kg

INSTALLATION

Recessed dimensions - Length (mm)	575 mm
Recessed dimensions - Width (mm)	575 mm

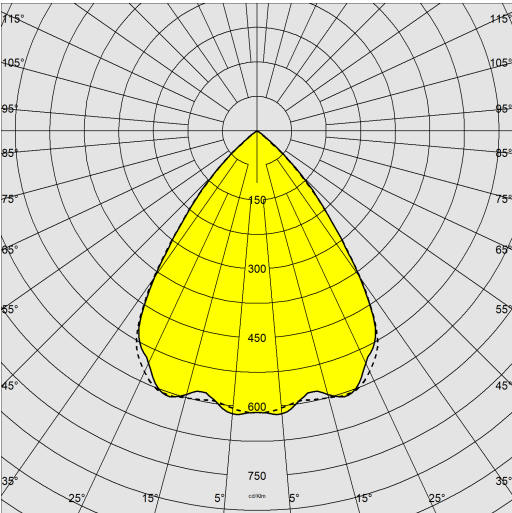
ELECTRICAL CHARACTERISTICS AND CONTROLS

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	≥0.9
Rated Current	750 mA
Insulation class	Class I
Controllability	None

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PHOTOMETRIC DATA



Lighting source	LED
CRI	90
Luminous flux (output) (lm)	1850 lm
Power absorption (total) (W)	21 W
CCT	4000 K
Luminous efficacy (lm/W)	88 lm/W
Unified glare rating UGR (EN 12464-1) (Reflectance coefficient: ceiling 0.7 - walls 0.5)	UGR<16 (up to 24W) - UGR<19, according to standard EN 12464.
Low Flicker	luminaire with very low flicker: evenly distributed light for greater visual safety.
Beam angle	76 °
LED flux maintenance	100000 hr, L 90, B 10

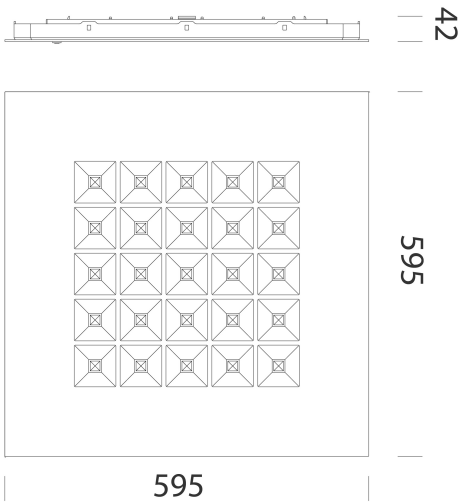
MECHANICAL CHARACTERISTICS

Impact resistance rating (IK)	IK07
IP (vl)	43
IP (va)	20

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MATERIALS AND COLOURS



Housing	injection molded in self-extinguishing polycarbonate in RAL9016 colour. Accessory compartment made of white-painted 7/10-thick steel sheet.
Optics	secondary lenses in high-performance and anti-yellowing PMMA.
Colour	Black
Equipment	Comfortsquare (19-1928) comes as standard with a presence/light sensor that switches the ceiling fixture on or off whenever it detects presence within its scan range and depending on the amount of the light in the space.

EMERGENCY LIGHTING

Emergency power supply type	Not present
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STANDARDS AND COMPLIANCE

Photobiological safety class	RG0
Markings and tests	CE
Reference standards	EN60598-1. They have a degree of protection according to the EN60529 standard.
Energy Label	D

WARRANTY

After sales warranty	5 yr
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DOWNLOAD

- MOUNTS
- AssemblyInstructions comfortsquare 06-26.pdf
- DESIGNS
- TechnicalDrawing 810c.dxf

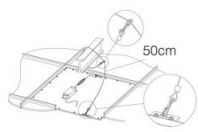


816 - Comfortsquare -76° - DIP SWITCH

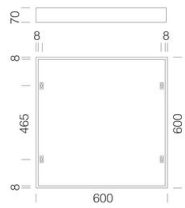
Code	LED	TotW	K - Lumen Output - CRI - °
150371-00/19	550	16	4000K - 1355lm - CRI 90 - 76°
150371-00/19	650	19	4000K - 1603lm - CRI 90 - 76°
150371-00/19	750	21	4000K - 1850lm - CRI 90 - 76°
150371-00/19	850	24	4000K - 2094lm - CRI 90 - 76°
150371-00/19	900	26	4000K - 2215lm - CRI 90 - 76°
150371-00/19	950	27	4000K - 2337lm - CRI 90 - 76°
150371-00/19	1000	28	4000K - 2457lm - CRI 90 - 76°
150371-00/19	1050	30	4000K - 2577lm - CRI 90 - 76°
150371-39/1928	550	16	3000K - 1355lm - CRI 90 - 76°
150371-39/1928	650	19	3000K - 1603lm - CRI 90 - 76°
150371-39/1928	750	21	3000K - 1850lm - CRI 90 - 76°
150371-39/1928	850	24	3000K - 2094lm - CRI 90 - 76°
150371-39/1928	900	26	3000K - 2215lm - CRI 90 - 76°
150371-39/1928	950	27	3000K - 2337lm - CRI 90 - 76°
150371-39/1928	1000	28	3000K - 2457lm - CRI 90 - 76°
150371-39/1928	1050	30	3000K - 2577lm - CRI 90 - 76°

816 - Comfortsquare -76° - DIP SWITCH

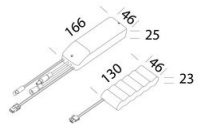
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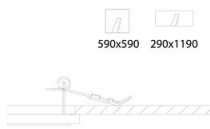
320 Cord



595 Frame 600x600 h 70 mm



600 EM power supply kit



907 Springs