

Description: Squared recessed LED downlight with direct light.

Body: body in die-cast aluminum, painted white with epoxy powders stabilized to UV rays, thermosetting at 180 ° C, after degreasing, phosphating and washing treatment. The device is supplied complete with brackets for fixing to the false ceiling.

Optical group: internal reflector in metallized polycarbonate, protective glass on the LED source. **50 °** symmetrical opening beam (for model with 80 mm diameter), **55 °** beam (for models with 105, 125, 155 mm diameter), **60 °** beam (for models with 210 mm diameter). Optics with controlled light emission with luminance values $<1500 \text{ cd} / \text{m}^2$ for emission angles higher than 65 ° on all planes (UGR <17 for $X = 4H$, $Y = 3H$ reflection coefficients 70/50/20) and therefore compliant to be installed in environments with the use of video terminals according to the UNI EN 12464-1 standard. Protection degree **IP20**.

Wiring: power supply 220-240V 50 / 60Hz with rigid cable, sect. 0.50 mm^2 and PVC-HT sheath resistant to 90 ° C according to CEI 20-20 standards. Insulation class II. Suitable for installation on normally flammable surfaces.

- LED version with fixed output electronic driver for independent use, included
 - LED DALI dimmable version, with standard digital dimmable electronic driver DALI for independent use, included.
- On request available:
- Versions with 1/3 hour autonomy emergency kit.

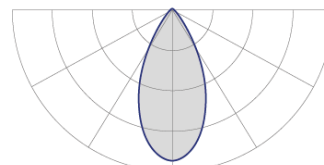
Luminous source: High efficiency LEDs arranged on rigid modules, color rendering $\text{CRI} > 80$ ($\text{CRI} > 90$ available on request), color temperature 3000K or 4000K (LED diode selected 3 MacAdam ellipses in order to guarantee uniform chromaticity), duration > 50000 hours L80 / F10 at $T_a = 25^\circ \text{C}$.

Regulations: appliance complies with the following standards:

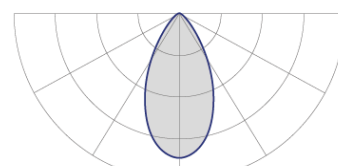
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|-----------------|------------------|
| • EN 61547 | • IEC/TR 62471-2 |
| • EN 55015 | • EN 60061-1 |
| • EN 61000-3-2 | • EN 62031 |
| • EN 61000-3-3 | • EN 62493 |
| • EN 61347-1 | • EN 60598-1 |
| • EN 61347-2-13 | • EN 60598-2-1 |
| • EN 60968 | • EN 60598-2-2 |
| • CEI 76-10 | • EN 62471 |
| • EN 60529 | • EN 62560 |



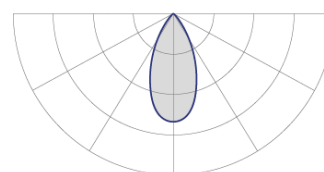
Demonstration image



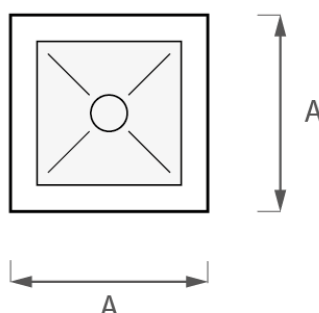
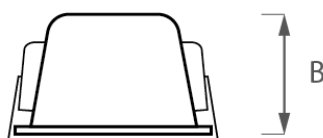
Photometric curve 50°



Photometric curve 55°



Photometric curve 60°



A= 80						Dimensions [mm]			Codes/Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	Ø A	B	recessed	LED	LED DALI
12	3000	>80	1020	85	A++	80	49	70x70	573700001	573700002
12	4000	>80	1060	88	A++	80	49	70x70	573700003	573700004

A= 105						Dimensions [mm]			Codes/Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	Ø A	B	recessed	LED	LED DALI
12	3000	>80	1275	106	A++	105	63	95x95	573700005	573700006
12	4000	>80	1335	111	A++	105	63	95x95	573700007	573700008
17	3000	>80	1765	103	A++	105	63	95x95	573700009	573700010
17	4000	>80	1846	108	A++	105	63	95x95	573700011	573700012
21	3000	>80	2070	98	A++	105	63	95x95	573700013	573700014
21	4000	>80	2175	103	A++	105	63	95x95	573700015	573700016

A= 125						Dimensions [mm]			Codes/Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	Ø A	B	recessed	LED	LED DALI
12	3000	>80	1275	106	A++	125	72	115x115	573700017	573700018
12	4000	>80	1335	111	A++	125	72	115x115	573700019	573700020
17	3000	>80	1765	103	A++	125	72	115x115	573700021	573700022
17	4000	>80	1850	108	A++	125	72	115x115	573700023	573700024
24	3000	>80	2365	98	A++	125	72	115x115	573700025	573700026
24	4000	>80	2490	103	A++	125	72	115x115	573700027	573700028

A= 155						Dimensions [mm]			Codes/Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	Ø A	B	recessed	LED	LED DALI
17	3000	>80	1765	103	A++	155	85	142x142	573700029	573700030
17	4000	>80	1860	109	A++	155	85	142x142	573700031	573700032
24	3000	>80	2370	98	A++	155	85	142x142	573700033	573700034
24	4000	>80	2490	103	A++	155	85	142x142	573700035	573700036
32	3000	>80	2920	91	A++	155	85	142x142	573700037	573700038
32	4000	>80	3065	95	A++	155	85	142x142	573700039	573700040

A= 210						Dimensions [mm]			Codes/Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	Ø A	B	recessed	LED	LED DALI
17	3000	>80	1950	114	A++	210	103	196x196	573700041	573700042
17	4000	>80	2035	119	A++	210	103	196x196	573700043	573700044
25	3000	>80	2660	106	A++	210	103	196x196	573700045	573700046
25	4000	>80	2770	110	A++	210	103	196x196	573700047	573700048
39	3000	>80	3800	97	A++	210	103	196x196	573700049	573700050
39	4000	>80	3960	101	A++	210	102	196x196	573700051	573700052

* Actual flow may have a tolerance of $\pm 10\%$.