

Indoor luminaire. Downlight.

SLID-01 30LED

SLID-01-30LED 4000K 2000LM, SLID-01-30LED 4000K 1000LM




Gear box for the variant with emergency lighting kit EM1H/3H

About the product

The products type SLID LED for general indoor lighting offers all the benefits of the LED technologies: high quality functional lighting, optical visual comfort through the emitted light, and a significant decrease of energy and maintenance costs.

For a better architectural integration the product was developed in the recessed version with square shape and reduced height.



EN 60598	RoHS	IP20 for the recessed part IP44 for the visible part		-5°C ÷ +35°C	10.4 ÷ 17W 24 ÷ 29.5W LED
-----------------	-------------	-----------------------------------------------------------------	-------------------------------------------------------------------------------------	-------------------------	----------------------------------

Application

General indoor for public buildings: hotels - corridors, reception, entrance halls, lobbies, lounges, restaurants, commercial centres - corridors, receptions, fitting rooms, showrooms, healthcare centres – corridors, reception areas, waiting rooms, banks.

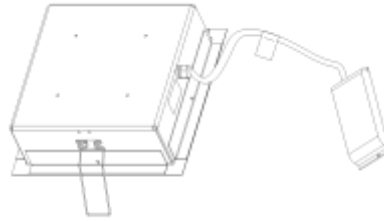
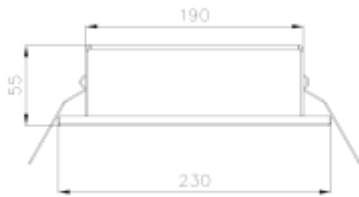
Emergency lighting for evacuation.

Light sources

- Mid-power LEDs, colour temperature (neutral-white) 4000K CRI \geq 70, with long lifetime L70B50 50,000 hours at Ta=25°C.
- On request the product could be equipped with LEDs with colour temperature warm-white 3000K CRI \geq 70, cool-white day-light 5700K, CRI \geq 70.
- Ideal for replacement of luminaires equipped with compact fluorescent lamps: TC-D 18W, TC-D 26W.

Advantages

Reduced power consumption. Ideal for replacement of luminaires equipped with compact fluorescent lamps. Economic, compact luminaire. Easy installation and maintenance. There are not necessary interventions for light source replacements. Long lifetime.



Mounting

Mounting: recessed in modular ceiling, in a square cutting:
 □205 mm, ceiling thickness: 10-20 mm, and the distance
 between ceiling and false ceiling minimum: 150 mm

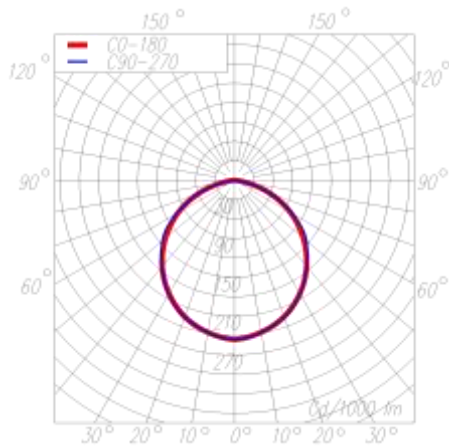
The variant with emergency lighting kit (EM)
 has another gear box:

Gear box



Product type	L [mm]	l [mm]	h [mm]	m [mm]
SLID-01-30LED	230	230	55	□205
DRIVER	220	85	32	-
GEAR BOX FOR THE VARIANT WITH EMERGENCY LIGHTING KIT	355	175	45	-

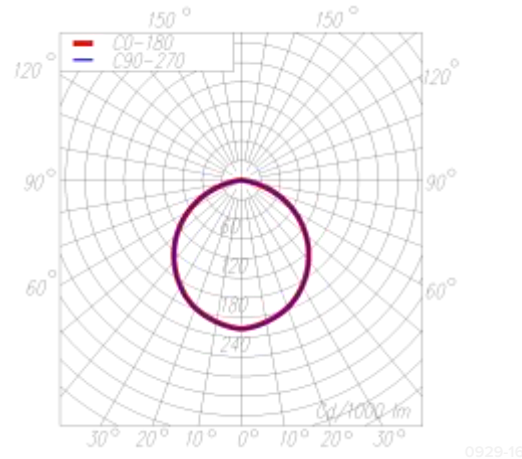
SLID-01-30LED H55 1000LM DOL



Photometric data SLID-01-30LED H55 1000LM DOL

UTE: 0.70D, $\eta=70\%$
 CIE flux code: 47 78 95 100 70
 UGR = 19.9÷26.1
 8H 4H 0.7/0.5/0.2 UGR_{transv}23.5 UGR_{long}23.4
 Light distribution diagram [Cd/1000lm]

SLID-01-30LED H55 2000LM DOL



Photometric data SLID-01-30LED H55 2000LM DOL

UTE: 0.64D, $\eta=64\%$
 CIE flux code: 47 78 95 100 64
 UGR = 21.9÷28.1
 8H 4H 0.7/0.5/0.2 UGR_{transv}25.5 UGR_{long}25.4
 Light distribution diagram [Cd/1000lm]

Description

Luminaire type downlight designed for recessed mounting in modular ceilings, in a circular cut-out, composed of:

- Housing and frame made of steel, painted, used as passive cooler.
- Fixing elements: Steel wire fixing springs, with anticorrosive coating.
- Diffuser made of opal PMMA (DOL) with improved light diffusion and uniformly distributed LED light in the surface.
- Gear (electronic driver) included in the product and manufactured according to the specific standards.
- The variants DALI: dimmable driver (DIM), DALI protocol
- The variants EM1H/3H: emergency lighting kit (EM = emergency) for 1 hour (1H)/ 3 hours (3H).
- Colour: white.

Variants on request

- On request the luminaire could be equipped with:
 - LEDs with other colour temperature
- The variant with emergency lighting with fluorescent lamp (EM - emergency):
 - The inverter ensures both the accumulators charging and the switch to the emergency functioning mode of the luminaire
 - Accumulators: Ni-Cd 4x2,4V/1,6Ah that ensure autonomy in emergency mode of 3 hours or 1 hour function of the inverter.
 - The charging time of the accumulators: 20 hours

Mounting

- Recessed in modular ceiling:
 - in a square cutting $\square 205$ mm,
 - ceiling thickness: 10-20 mm
 - the distance between ceiling and false ceiling minimum: 150 mm

Technical features

- Rated voltage: 230V/50Hz
- Environment temperature range: -5°C...+ 35°C
- Relative humidity: till 80% at the temperature of + 20°C.
- Protection degree: IP44 (for the part outside the ceiling), IP20 (for the part inside the ceiling)
- Mechanical impact resistance: IK08 for the part inside the ceiling, and IK02 for diffuser.
- Jolt resistance according to SR EN 60068-2-291000 ± 10 jolts, acceleration of 10g, and duration of impulse: 16ms

- The luminaire is manufactured according to the requirements of the standards: SR EN 60598-1, SR EN60598-2-2, SR EN 62031.

Compliance with the European Directives

- Low Voltage Directive.
- Electromagnetic Compatibility Directive.
- RoHS Directive, WEEE Directive.

The product could be realised in more variants function of the power, driver, with/ without emergency lighting kit

Product type	Product code	Rated voltage [V]	Active power [W]	Power factor	Protection degree	Class of protection against electric shock	Weight [Kg]	Total initial brut LEDs flux [lm]	Total luminous efficiency [lm/W]
SLID-01-30LED 4000K H55 1000LM DOL	23417947	230	15	≥0.95	IP20* IP44*	II	1.2	1800 / 1200	120 / 80
SLID-01-30LED 4000K H55 1000LM DOL DALI	23417955	230	10.4	≥0.96	IP20* IP44*	II	1.2	1800 / 1200	173 / 115
SLID-01-30LED 4000K H55 1000LM DOL DALI EMIH	23417956	230	17	≥0.95	IP20* IP44*	II	2.45	1800 / 1200	106 / 71
SLID-01-30LED 4000K H55 1000LM DOL DALI EM3H	23417957	230	17	≥0.95	IP20* IP44*	II	2.65	1800 / 1200	106 / 71
SLID-01-30LED 4000K H55 1000LM DOL EMIH	23417973	230	15	≥0.95	IP20* IP44*	II	2.45	1800 / 1200	120 / 80
SLID-01-30LED 4000K H55 1000LM DOL EM3H	23417974	230	15	≥0.95	IP20* IP44*	II	2.65	1800 / 1200	120 / 80
SLID-01-30LED 4000K H55 2000LM DOL	23417948	230	28	≥0.95	IP20* IP44*	II	1.2	3450 / 2200	123 / 79
SLID-01-30LED 4000K H55 2000LM DOL DALI	23417958	230	24	≥0.95	IP20* IP44*	II	1.2	3450 / 2200	144 / 92
SLID-01-30LED 4000K H55 2000LM DOL DALI EMIH	23417959	230	29.5	≥0.95	IP20* IP44*	II	2.45	3450 / 2200	117 / 75
SLID-01-30LED 4000K H55 2000LM DOL DALI EM3H	23417960	230	29.5	≥0.95	IP20* IP44*	II	2.65	3450 / 2200	117 / 75
SLID-01-30LED 4000K H55 2000LM DOL EMIH	23417977	230	28	≥0.95	IP20* IP44*	II	2.45	3450 / 2200	123 / 79
SLID-01-30LED 4000K H55 2000LM DOL EM3H	23417978	230	28	≥0.95	IP20* IP44*	II	2.65	3450 / 2200	123 / 79

H55 = housing's height 55mm, EMIH/EM3H = equipped with emergency lighting kit for 1 hour / 3 hours, DOL = PMMA diffuser with improved light diffusion and uniformly distributed LED light in the surface, DALI = with dimmable driver protocol DALI

* Protection degree: IP44 (for the visible part - outside the ceiling), IP20 (for the recessed part)

ELBA S.A improves continuously its products. We reserve the right to change the specifications in the interest of improving our products without prior notifications or public announcement. © ELBA S.A.