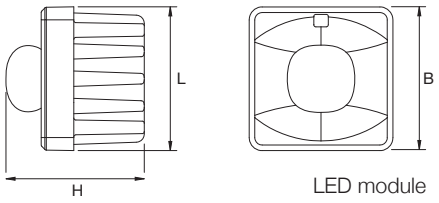
LED emergency module

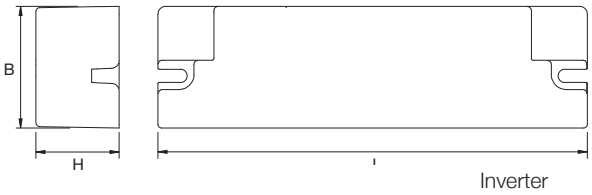
With recessed Inverter

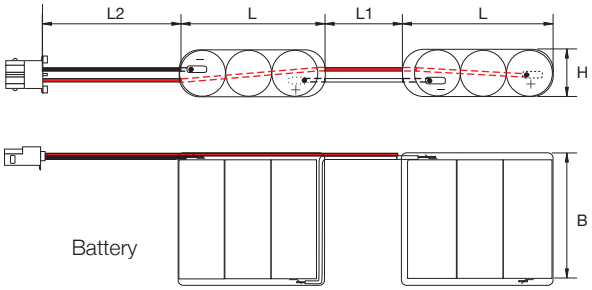
A high-performance auxiliary fixture for emergency lighting. Operation is subject to the installation of a traditional lighting fixture where the LED module and relative inverter with battery set are installed. the kit has 3 special high-transparency PMMa lenses, for the lungaluce altaluce and largaluce versions, to obtain different dimensions of illuminated surface areas, and allow for an installation height from 3 to 7 metres. each lens has a ral 9010 white Polycarbonate cover. the LED module has an elastic clip fastening system for T8 and T5 tubes. the high-efficiency leD has a die-cast aluminium heat sink.

General Characteristics

Power	2 W
Power supply	230 V_{AC} ± 10 % 50 Hz
Operation	HT, Maintained (SA)/Not Maintained (SE)/Public performance (PS) selectable with DIP switch in the versions LG and LGFM
Standard	EN 60598-1, EN 61347-2-2, EN 60598-2-22, EN 1838, EN 50172
Protection grade	according to the fixture in which it is mounted
Autonomy	1 h, 2 h, 3 h selectable with DIP switch in the LG and LGFM versions
Working temp.	0 ÷ +40 °C
Mounting	on fixtures with T5 and T8 pipes
Housing	Aluminium and white Polycarbonate RAL 9010
Optics	lenses in highly transparent PMMA
Light source	LED







Accessories

supplied

Order code	Description
–	**3 lenses:** LUNGA, LARGA, ALTA with 3 different covers
–	2 SPRINGS FOR FIXING ON T8 AND T5 PIPES

	Power W	• Dimensions (mm) • L	L1	L2	B	H
LED module with lens	2	35			35	33
Inverter	–	114			32	22
Battery	–	40	70	80	50	4.5

* Indicative power for comparison with fluorescent tube fixtures

AT — Autotest

	W	Order code	Description	Model	Autonomy	Battery	N° LED	Flux of** SE lm	Flux of** SA lm	Absorption W	Weight kg	Pack
	2	**19341**	MODULE EM LED AT SE 1N	SE	1h	NiCd 7.2V 0.75Ah	1	250	–	1	0.2	6

LG — Logica

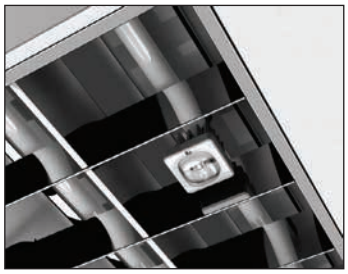
	W	Order code	Description	Model	Autonomy	Battery	N° LED	Flux of** SE lm	Flux of** SA lm	Absorption W	Weight kg	Pack
H	2	**19342**	MODULE EM LED LG SE/SA/PS 1/2/3H	SE/SA/PS	1/2/3h	NiMH 7.2V 1.2Ah	1	250/190/165	165	1/6.5	0.2	6

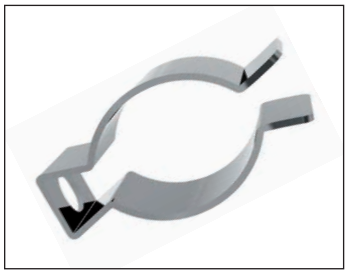
LGFM — Logica FM

	W	Order code	Description	Model	Autonomy	Battery	N° LED	Flux of** SE lm	Flux of** SA lm	Absorption W	Weight kg	Pack
	2	**19343**	MODULE EM LED LGFM SE/SA/PS 1/2/3H	SE/SA/PS	1/2/3h	NiMH 7.2V 1.2Ah	1	250/190/165	165	2/7.5	0.2	6

** Minimum flux guaranteed according to EN 60598-2-22

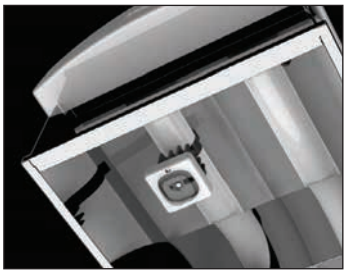
MOUNTING ON A FIXTURE WITH T5 LAMPHOLDERS

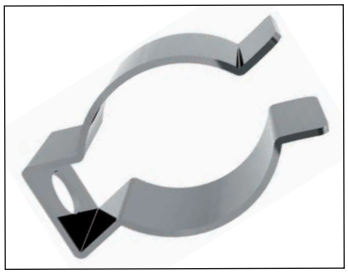




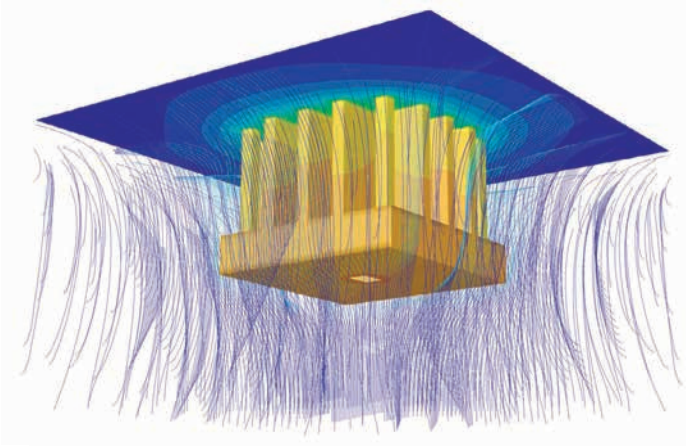
– STEEL CLIP supplied

MOUNTING ON A FIXTURE WITH T8 LAMPHOLDERS





– STEEL CLIP supplied

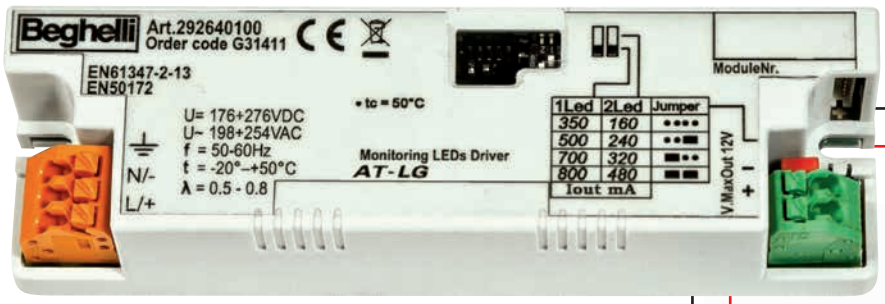


Thermofluidodynamic analysis: calculated heat dissipation

To ensure long duration and high performance of the LED source, a new technology has been used which simulates heat diffusion in the fixture: the thermofluidodynamic analysis allows you to foresee the working temperature of the various components so as to optimize the heat dissipation system.

LENS	Lamps	Cover
LUNGALUCE 3 m	1	It covers an escape route of 17.1 m with 1 lux in the middle and >0.5 lux within 1 m of the middle
	2	Centre distance 18 m between the lamps covering an escape route of 35.1 m with1 lux in the middle and >0.5 lux within 1 m of the middle
LARGALUCE 3 m	1	Covers a surface of 11.3 m x 11.3m with at least 0.5lux with the exception of a 0.5 m perimeter
	4	Centre distance 13.2 m covering a surface of 24.5m x 24.5 m with at least 0.5lux with the exception of a 0.5 m perimeter
ALTALUCE 7 m	1	Covers a surface of 12.4 m x 12.4 m with at least 0.5 lux with the exception of a 0.5 m perimeter
	4	Centre distance 14.4m covering a surface of 26.8 m x 26.8 m with at least 0.5 lux with the exception of a 0.5 m perimeter

One module for several applications

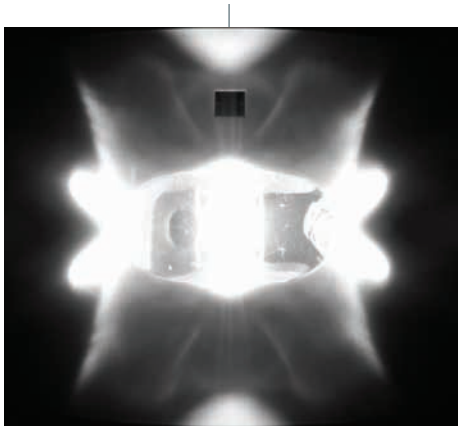


Dedicated inverter supplied

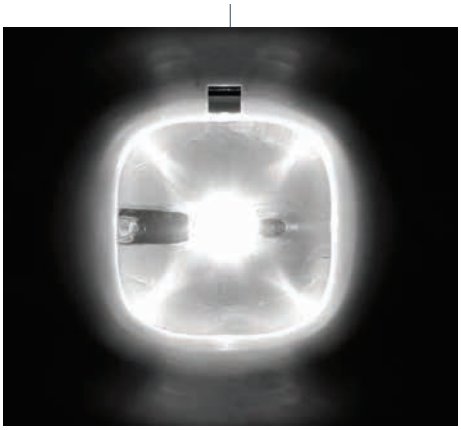
3.5 V
700 mA (SE)
350 mA (SA)

battery pack

Lungaluce – long lens
mounted at a height of 3 m it covers an escape route of 17.1 m with 1 lux in the middle and > 0.5 within 1 m



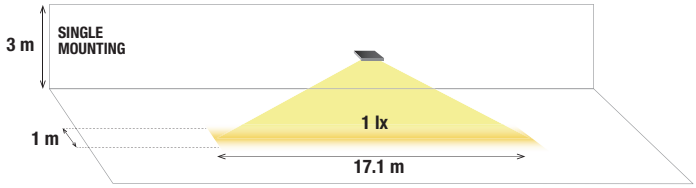
Largaluce – wide lens
mounted at a height of 3 m it illuminates a surface of 11.3 × 11.3m at 0.5 lux



Altaluce – high lens
mounted at a height of 7 m it illuminates a surface of 12.4 × 12.4 m at 0.5 lux

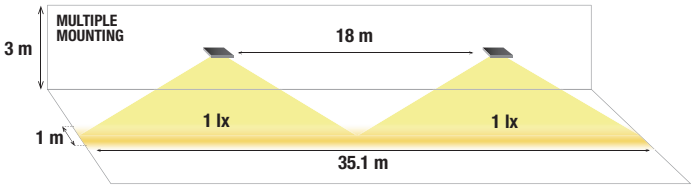
Emergency light calculation on the ground

Lungaluce – long lens mounting 3 m above the ground

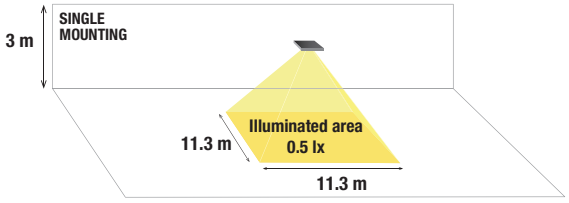


Single mounting
covers an escape route of 17.1 m with 1 lux in the middle and > 0.5 within 1 m

Multiple mounting, fixture centre distance 18 m
covers an escape route of 35.1m with 1 lux in the middle and > 0.5 within 1m

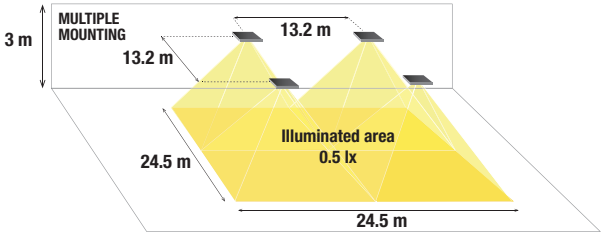


Largaluce – wide lens mounting 3 m above the ground

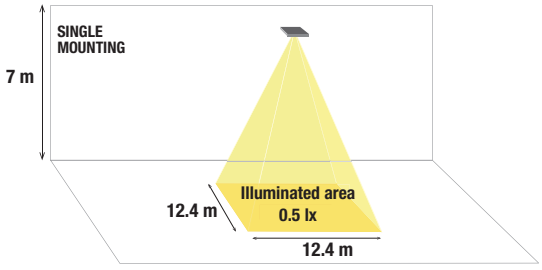


Single mounting
illuminates a surface of 11.3 × 11.3 m at 0.5 lux (128 m²)

Multiple mounting, fixture centre distance 13.2 m
illuminates a surface of 24.5 × 24.5 m at 0.5 lux (600 m²)



Altaluce – high lens mounting 7 m above the ground



Single mounting
illuminates a surface of 12.4 × 12.4 m at 0.5 lux (154 m²)

Multiple mounting, fixture centre distance 13.7 m
illuminates a surface of 26.8 × 26.8m at 0.5 lux (718 m²)