LED emergency module Opticom

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. Available in SE and SA versions, the operating autonomy (1 hr, 1.5 hrs, 2 hrs, 3 hrs, 8 hrs) can be selected on each model, changing the luminous flux.

General characteristics

Power	2 W
Power supply	230Vac ± 10% 50Hz
Operation	Maintained (SA)/Not Maintained (SE)
Standard	EN 60598-1, EN 60598-2-2, EN 60598-2-22, EN 1838, EN 50172
Protection grade	according to the fixture in which it is mounted
Autonomy	1h, 1,5h, 2h, 3h, 8h
Recharge	6h
Working temp.	-20°C ÷ +50°C (Titanium Battery)
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

System Modules

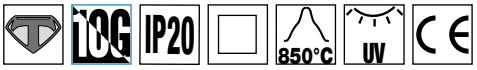
to be ordered separately

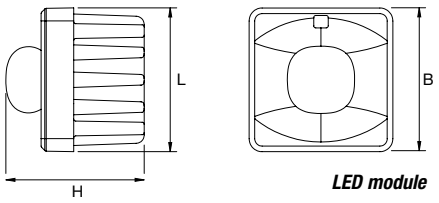
Order code	Description
15036	LG MODULE
15037	LGFM MODULE
15038	DALI MODULE ***

*** Contact the Beghelli sales network for availability

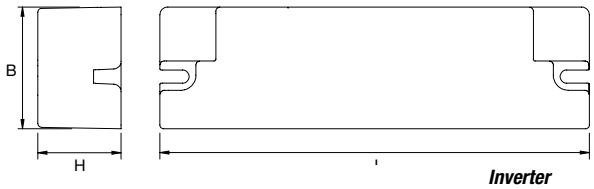
Titanium Battery

1. **Withstands extreme operating temperatures:** -20°C ÷ +50°C
2. **LONG LIFE** with at least 7,000 charge cycles guaranteed, devices can boast 10 years of useful life
3. **MAXIMUM SAFETY:** unlike normal Lithium batteries, the material used on these accumulators renders them particularly safe, even when a short circuit or perforation occurs

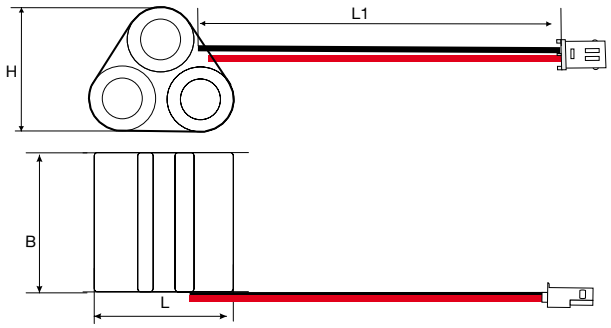




LED module



Inverter



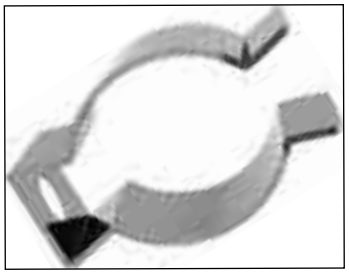
	Power W	• Dimensions (mm) • L	L1	B	H
LED module with lens	18÷58	35		35	33
Inverter	-	114		32	22
Battery	-	31	215	51	25,5

** *Indicative power for comparison with fluorescent tube fixtures*

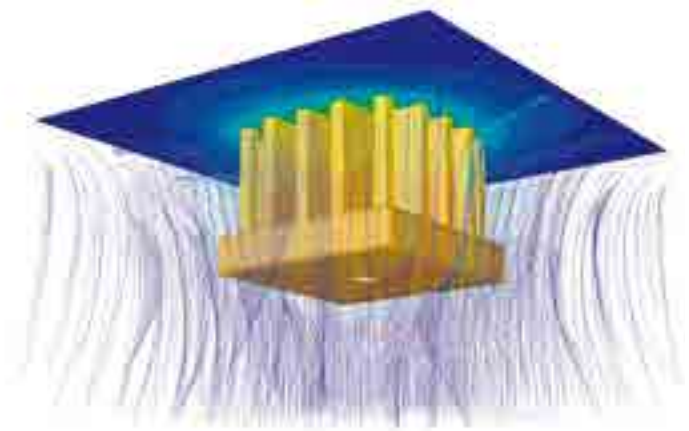
MOUNTING ON A FIXTURE WITH T5 LAMPHOLDERS

- 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 3m	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 18m 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 3m	1	Covers a surface of 11.3m x 11.3m with at least 0.5lux with the exception of a 0.5 m perimeter
	4	Centre distance 13.2m covering a surface of 24.5m x 24.5m with at least 0.5lux with the exception of a 0.5 m perimeter
ALTALUCE 7m	1	Covers a surface of 12.4m x 12.4m with at least 0.5lux with the exception of a 0.5 m perimeter
	4	Centre distance 14.4m covering a surface of 26.8m x 26.8m with at least 0.5lux with the exception of a 0.5 m perimeter

AT

opticom TECHNOLOGY

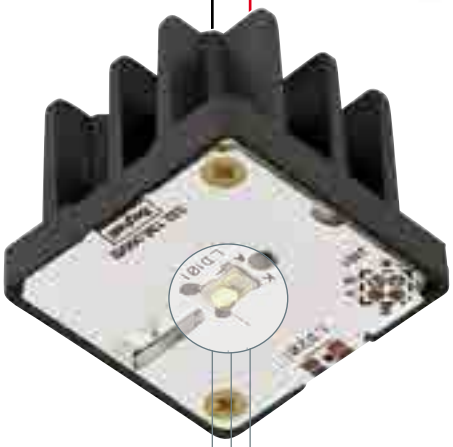
	W	Order code	Description	Model	Autonomy	Battery	N° LED	Flux** SE lm	Flux** SA lm	Absorption W	Weight kg	Pack
	2	**19347**	MODULE EM LED AT OPT SA LTO	SE/SA/PS	1h, 1,5h, 2h, 3h, 8h	2xLTO 7.2V 0,5Ah	1	250	–	1	0,2	6

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

One fixture for several applications

Dedicated inverter supplied

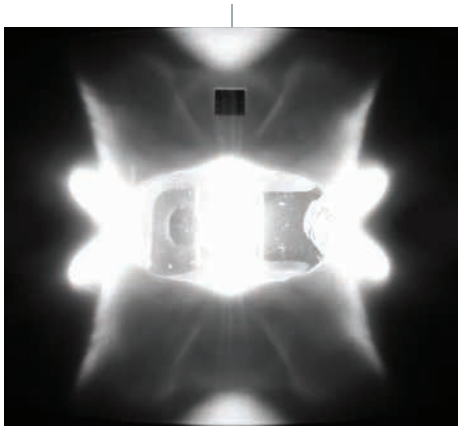
battery pack

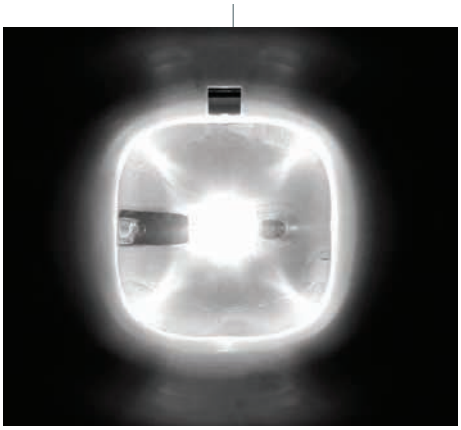


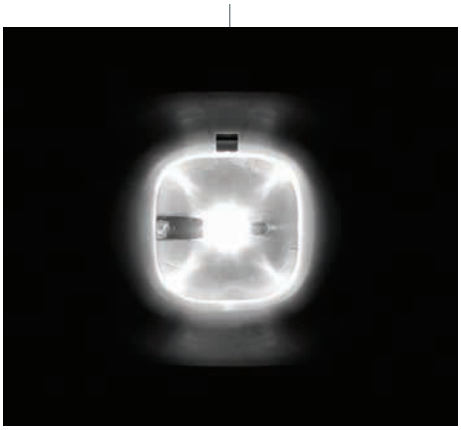
Lungaluce - long lens
mounted at a height of 3m it covers an escape route of 17.1m with1 lux in the middle and > 0.5 within 1m

Largaluce - wide lens
mounted at a height of 3m it illuminates a surface of 11.3x11.3m at 0.5 lux

Altaluce - high lens
mounted at a height of 7m it illuminates a surface of 12.4x12.4m at 0.5 lux



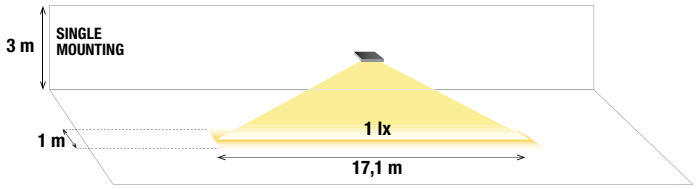




Emergency light calculation on the ground

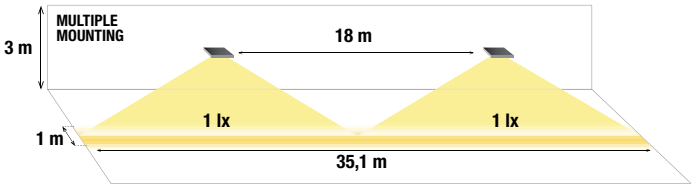
Lungaluce - long lens - mounting 3 m above the ground

lens efficiency 87%



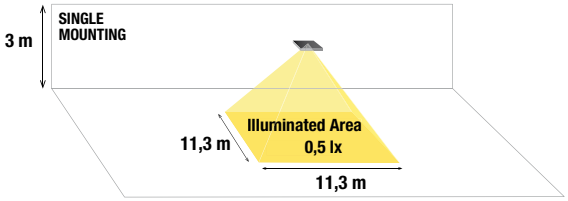
Single mounting
covers an escape route of 17.1m with 1 lux in the middle and > 0.5 within 1m

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



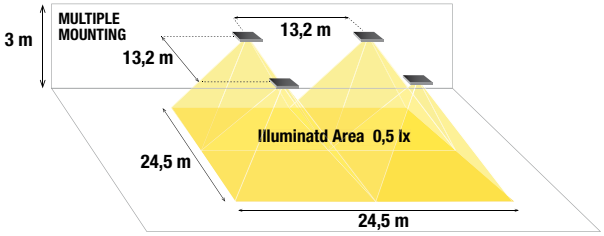
Largaluce - wide lens - mounting 3 m above the ground

lens efficiency 95%



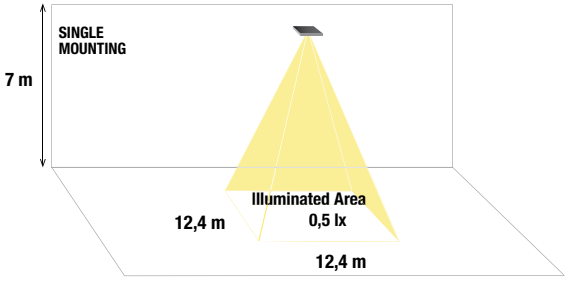
Single mounting
illuminates a surface of 11.3x11.3m at 0.5 lux (128 sq.m)

Multiple mounting, fixture centre distance 13.2 m
illuminates a surface of 24.5x24.5m at 0.5 lux (600 sq.m)



Altaluce - high lens - mounting 7 m above the ground

lens efficiency 95%



Single mounting
illuminates a surface of 12.4x12.4 m at 0.5 lux (154 sq.m)

Multiple mounting, fixture centre distance 13.7 m
illuminates a surface of 26.8x26.8m at 0.5 lux (718 sq.m)