Lungalargaluce LED Opticom

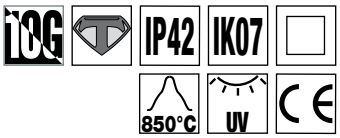
LED Emergency

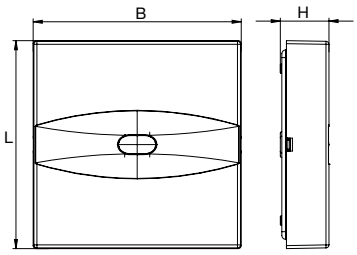
High-performance emergency lighting fixture with a kit of special lenses in highly transparent PMMA, Lungaluce lens is used for corridors and escape routes, Largaluce is a symmetric lens for main areas and Diffusaluce is a symmetric lens used for wall mounting. Each lens is supplied with a suitable white Polycarbonate housing. High-efficiency Led, housing with recessed heat sink in graphite-charged polyamide.
Available in SE and SA versions, the operating autonomy (1 hr, 1.5hrs, 2 hrs, 3 hrs, 8 hrs) can be selected on each model, changing the luminous flux.

General characteristics

Power*	24 W
Power supply	230Vac ± 10% 50Hz
Operation	SE / SA / PS (Mantained / Not Mantained / public performance)
Standard	EN 60598-1, EN 60598-2-2, EN 60598-2-22, EN 50172, CEI EN 62471
Protection grade	IP40 (IP42 with accessory 19389), IK07
Autonomy	1h, 1,5h, 2h, 3h, 8h
Recharge	6h
Working temp.	-20°C ÷ +50°C (Titanium Battery)
Mounting	ceiling, wall
Housing	Polycarbonate white RAL 9010
Optics	lenses in highly transparent PMMA
Light source	LED

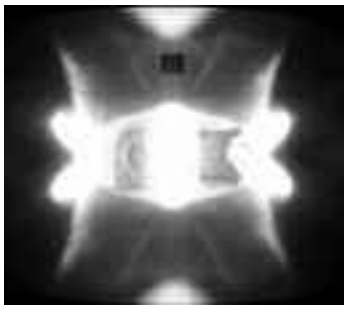
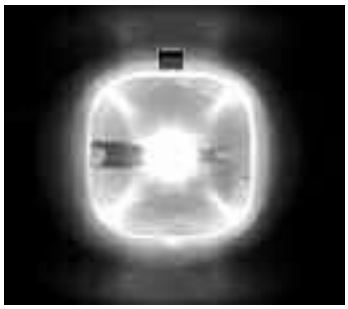
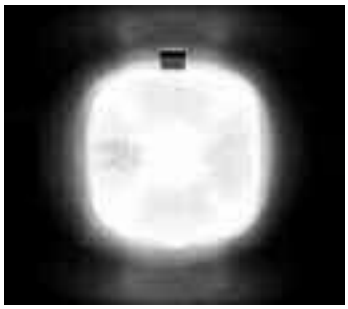
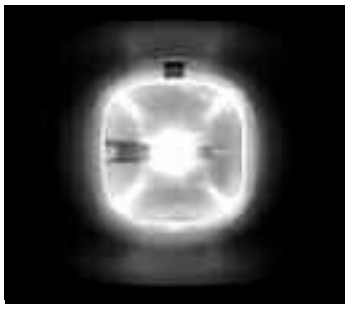
** Indicative power for comparison with fluorescent tube fixtures*





Power* W	• Dimensions (mm) • L	B	H
24	137	137	32

** Indicative power for comparison with fluorescent tube fixtures*

Lenses

supplied

Order code	Description
-	LUNGALUCE - wide light beam for corridors and escape routes
-	LARGALUCE - symmetric light beam for main area - antipanic light - ceiling mounting
19346	DIFFUSALUCE - symmetric light beam for main area - antipanic light - wall mounting
19345	ALTALUCE - spot light beam - ceiling mounting (OPTIONAL)

System Modules

to be ordered separately

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

*** Contact the Beghelli sales network for availability

DALI MODULE 15038

LG MODULE 15036

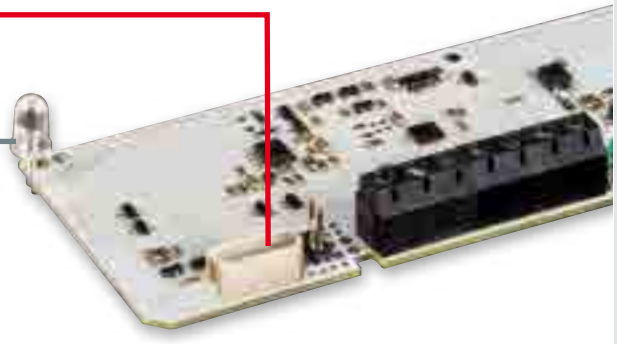
LGFM MODULE 15037

MODULES AVAILABLE TO EXTEND THE SYSTEM CONTROL TO LG, LGFM, DALI

INTELLIGENT PHOTOSENSOR SUPPLIED

opticom TECHNOLOGY

Smartphone interface
Smartphone interface to control and set up the system



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

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 to foresee the working temperature of the various components so as to optimize the heat dissipation system.
In the case of the Lungalargaluce LED Ceiling, the dissipating element is the housing of the fixture which, to optimize its efficiency, is made completely of die-cast aluminium.

Compactness and easy to install

Lungalargaluce LED is concentrated technology enclosed in a housing with very small dimensions. The outer casing, in Polycarbonate, can be easily removed by means of two quick-release locks that do not require a special tool to open. The electronics are housed inside, consisting of the LED module, Inverter and battery pack.
A quick-connecting terminal block is used for the wiring.

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
DIFFUSALUCE 2.5m	1	Covers a surface of 7x3 m with at least 0.5lux with the exception of a 0.5 m perimeter
	2	Centre distance 6.5m covering a surface of 2x3m with at least 0.5lux with the exception of a 0.5 m perimeter
ALTALUCE	1	Covers a surface of 12,4x12,4 m with at least 0.5lux with the exception of a 0.5 m perimeter
	2	Centre distance 14,4 m covering a surface of 26,8x26,8 m with at least 0.5lux with the exception of a 0.5 m perimeter

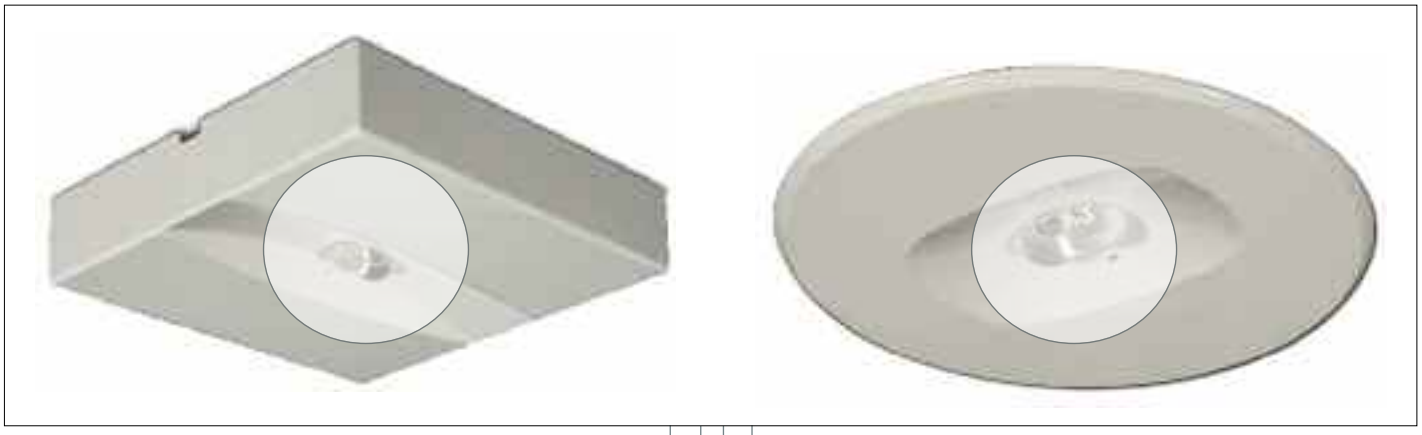
AT

opticom TECHNOLOGY

	W*	Order Code	Description	Version	Autonomy	Battery	n° LEDs	Flux** SE lm	Flux SA lm	Absorption W	Weight kg	Pack
	24	**19328**	L.LARG DWCL AT OPT 24W SA LT0	SE/SA/PS	1h, 1,5h, 2h, 3h, 8h	2xLT0 7.2V 0,5Ah	1	250	-	1	0,6	6

* Indicative power for comparison with fluorescent tube fixtures ** Minimun flux guaranteed according to EN 60598-2-22

One fixture for several applications

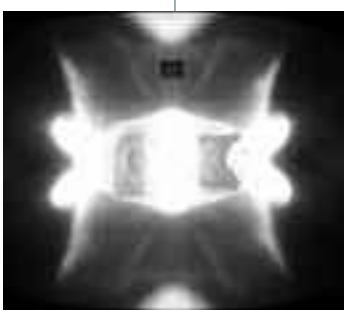


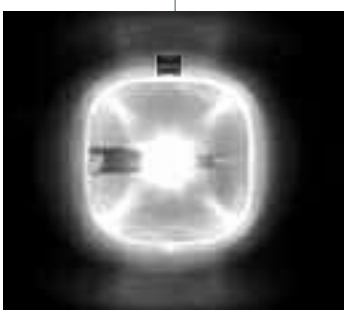
Lungaluce - long lens
mounted at a height of 3m it covers an escape route of 17.1m with1 lux in the middle
and > 0.5 within 1m

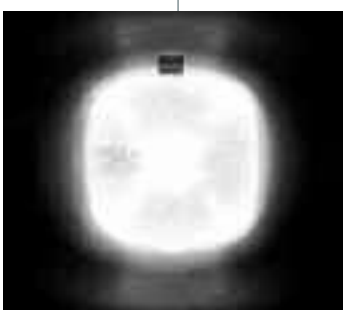
Largaluce - wide lens
mounted at a height of 3m it illuminates a surface of 11.3x11.3m at 0.5 lux (128 sq.m)

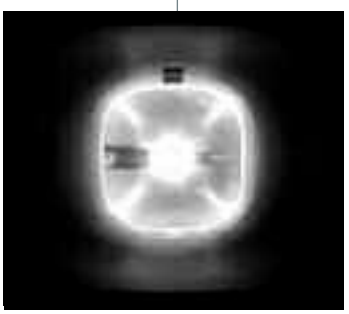
Diffusaluce - diffused lens
mounted on the wall at a height of 2.5m it illuminates a surface of 7x3 m at 0.5 lux (21 sq.m)

Altaluce - high lens
mounted at a height of 7m it illuminates a surface of 12,4x12,4 m at 0.5 lux





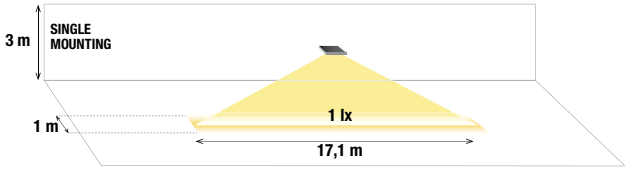




Emergency light calculation on the ground

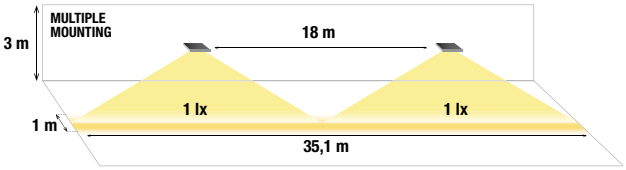
Lungaluce - wide light beam lens - corridors, escape routes

lens efficiency 87%



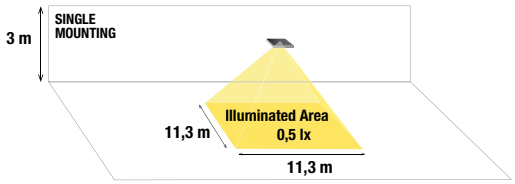
Single mounting
covering an escape route of 17.1m with1 lux in the middle and > 0.5 within 1m

Multiple mounting, fixture centre distance 18m
covering an escape route of 35.1m with1 lux in the middle and > 0.5 within 1m



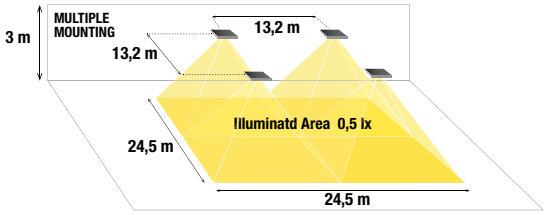
Largaluce - symmetric light beam - main areas

lens efficiency 95%



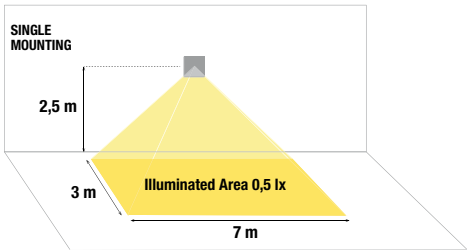
Single mounting
illuminates a surface of 11.3x11.3m at 0.5 lux (128 sq.m)

Multiple mounting, fixture centre distance 13,2m
illuminates a surface of 24.5x24.5m at 0.5 lux (600 sq.m)



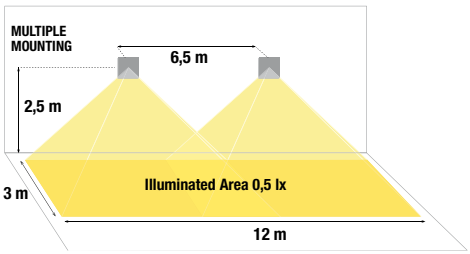
Diffusaluce - symmetric light beam - main areas - antipanic light

lens efficiency 85%



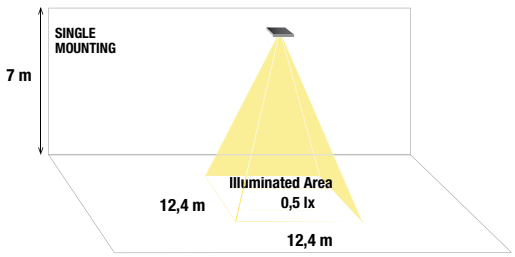
Single mounting
illuminates a surface of 7x3 m at 0.5 lux (21 sq.m)

Multiple mounting, fixture centre distance 6,5m
illuminates a surface of 12x3m at 0.5 lux (36 sq.m)



Altaluce - spot light beam - ceiling mounting

lens efficiency 95%



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

illuminates a surface of 26.8x26.8m at 0.5 lux (718 sq.m)