

# Lungalargaluce LED

## LED Emergency

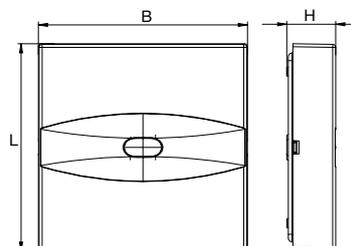
High-performance emergency lighting fixture with a kit of special lenses in highly transparent PMMA, supplied for the Lungaluce, Largaluce and Diffusaluce versions, to obtain different dimensions of the illuminated surface. Each lens is supplied with a suitable white polycarbonate housing. High-efficiency Led, housing with recessed heat sink in graphite-charged polyamide.



### GENERAL CHARACTERISTICS

<b>Power**</b>	24 W
<b>Power supply</b>	230Vac ± 10% 50Hz
<b>Operation</b>	HT, Permanent (SA)/Public performance (PS) selectable with DIP switch in versions LG and LGFM
<b>Standard</b>	EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI 11222, CEI EN 62471
<b>Protection grade</b>	IP42
<b>Autonomy</b>	1h, 2h, 3h selectable with DIP switch in the LG and LGFM versions
<b>Working temp.</b>	0°C ÷ +40°C
<b>Mounting</b>	ceiling, wall
<b>Housing</b>	Polycarbonate white RAL 9010
<b>Optics</b>	lenses in highly transparent PMMA
<b>Light source</b>	LED

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



## Accessories

supplied

Order code	Description
-	LUNGALUCE - long lens with cover
-	LARGALUCE - wide lens with cover
-	DIFFUSALUCE - diffused lens with cover

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

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

## AT

Autotest

	W**	Order Code	Description	Version	Autonomy	Battery	n° LEDs	Flux** SE lm	Flux SA lm	Absorption W	Weight kg	Pack
	24	19321	L.LARG DW CL AT 24W SE 1N	SE	1h	NiCd 7.2V 0.75Ah	1	250	-	1	0,6	6

## LG

Logica

	W**	Order Code	Description	Version	Autonomy	Battery	n° LEDs	Flux** SE lm	Flux SA lm	Absorption W	Weight kg	Pack
	24	19322	L.LARG DW CL LG 24W 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	0,6	6

## LGFM

Logica FM

	W**	Order Code	Description	Version	Autonomy	Battery	n° LEDs	Flux** SE lm	Flux SA lm	Absorption W	Weight kg	Pack
	24	19323	L.LARG DW CL LGFM24W 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	0,6	6

## SLG

W**	Order Code	Description	Version	Autonomy	Battery	n° LEDs	Flux** SE lm	Flux SA lm	Absorption W	Weight kg	Pack
24	17464	L.LARG DW CL SLG 24W	-	-	-	1	-	250	5,5	0,5	6

## SICURO 24V

W**	Order Code	Description	Version	Autonomy	Battery	n° LEDs	Flux** SE lm	Flux SA lm	Absorption W	Weight kg	Pack
24	17490	L.LARGA DWCL SY SLGS 24V	-	-	-	1	-	250	5,5	0,5	6
24	17491	L.LARGA DWCL ASY SLGS 24V	-	-	-	1	-	250	5,5	0,5	6
24	17870	L.LARGA DWCL SY SLGS 24V LS-UV	-	-	-	1	-	250	5,5	0,5	6
24	17871	L.LARGA DWCL ASY SLGS 24V LS-UV	-	-	-	1	-	250	5,5	0,5	6

## HT

Mains voltage power supply (ca 230V 50 Hz - cc 216V)

W**	Order Code	Description	Version	Autonomy	Battery	n° LEDs	Flux** SE lm	Flux SA lm	Absorption W	Weight kg	Pack
24	19320	L.LARG DW CL HT 24W	-	-	-	1	-	250	5,5	0,5	6

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

### 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.

In the case of the Lungalargaluce LED Ceiling, the dissipation organ is the housing of the fixture itself 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 them. The electronics are housed inside, consisting of the LED module, Inverter and battery pack.

A quick-connecting terminal board 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 with 1 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

# One fixture for several applications



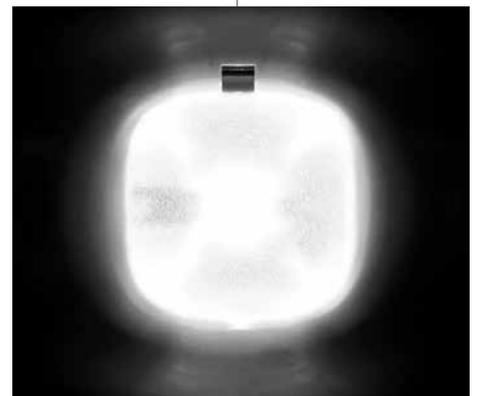
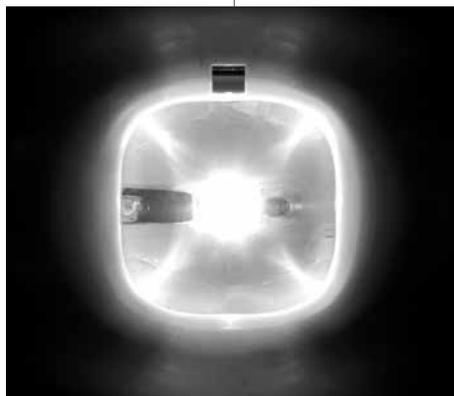
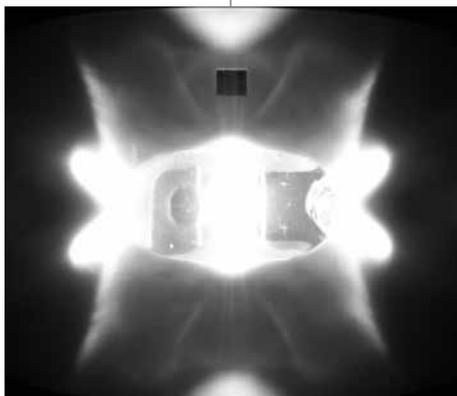
**Lungaluce - long lens**  
mounted at a height of 3m it covers an escape route of 17.1m with 1 lux in the middle and > 0.5 within 1m



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

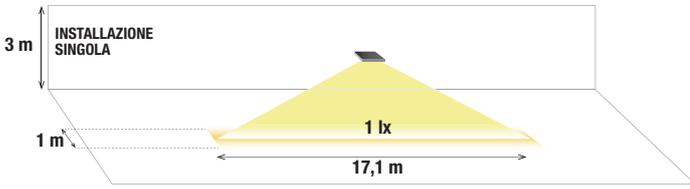


**Diffusaluce - diffused lens**  
mounted on the wall at a height of 2.5m it illuminates a surface of 7x3 m at 0.5 lux (21 sq.m)



# Technical demonstration of light output on the ground

## Lungaluce - long lens - mounting 3 m above the ground

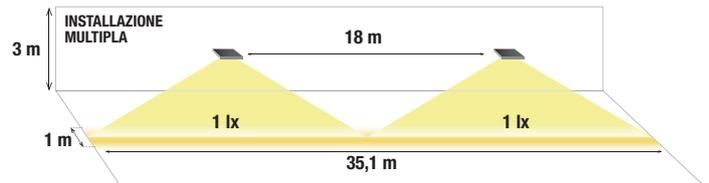


### Single mounting

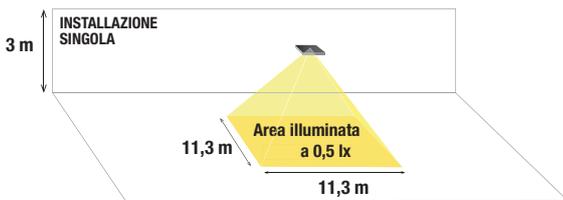
covering an escape route of 17.1m with 1 lux in the middle and > 0.5 within 1m

### Multiple mounting, fixture centre distance 18m

covering 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

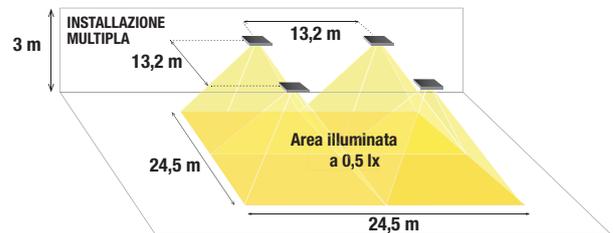


### Single mounting

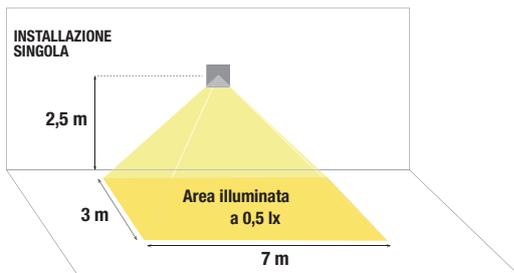
illuminates a surface of 11.3x11.3m at 0.5 lux (128 sq.m)

### Multiple mounting, fixture centre distance 13,2m

illuminates a surface of 24.5x24.5m at 0.5 lux (600 sq.m)



## Diffusaluce - diffused lens - mounting 2.5 m above the ground



### Single mounting

illuminates a surface of 7x3m 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)

