



# Luminaires **LED**

**CATALOGUE**

**Beghelli**

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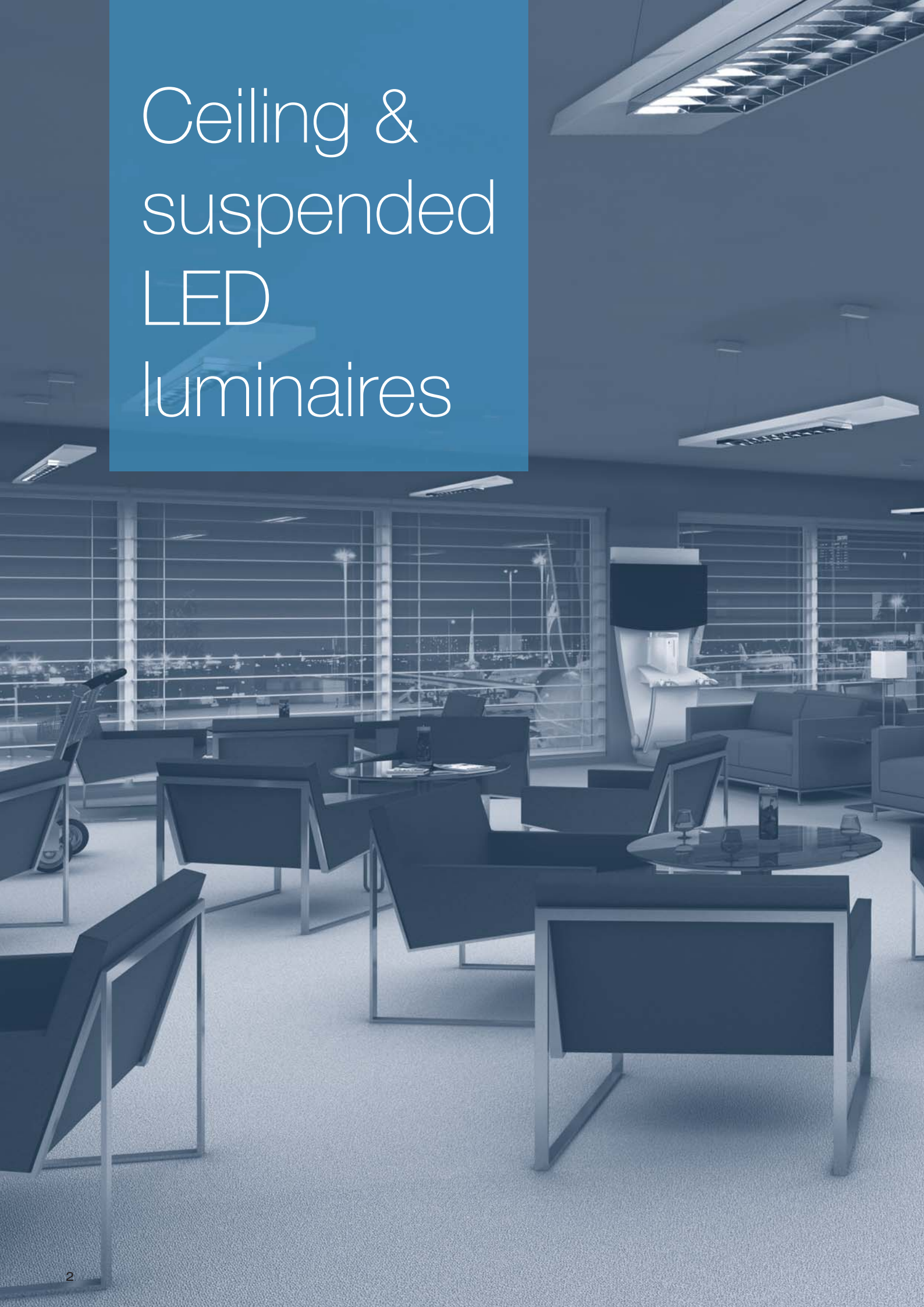


Inverter LED 82



Inverter LED IP65 83

# Ceiling & suspended LED luminaires





P236/P258 LED

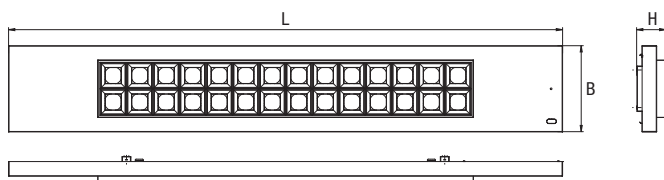
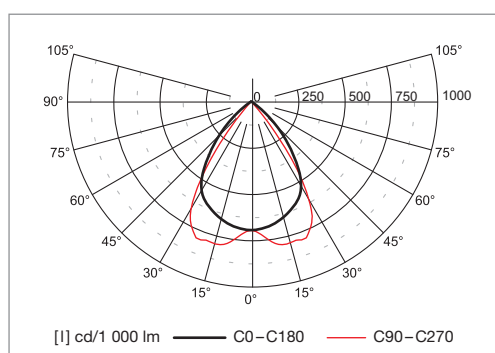


Atomic LED



# P236/P258 LED

Ceiling and suspended LED luminaires – separate/coupling in lines



MTBF of power supply\*\* 65 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* > 60 000 h (L80B20)  
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C



## Material:

- body: a steel sheet finished by powder technology varnishing, polyester
- color: white RAL 9003
- louvre: highly polished parabolic

**Degree of protection:** IP20

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** ceiling or suspended

**Accessories: (to be ordered separately)**

20080 – wire pendant without power cable (120 cm)

20081 – wire pendant with power cable 3× 0.75 mm<sup>2</sup> (120 cm)

19350 – Module EM Eco LED SE 1N RM

19355 – inverter LED AT/LG 6W 55V 1/2/3H

19356 – inverter LED LGFM 6W 55V 1/2/3H

20087 – bracket and five-phase through-wired cable

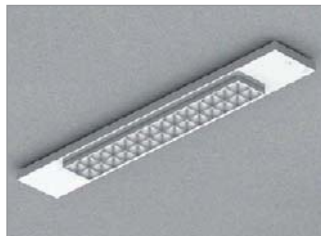
20088 – five-phase through-wired cable

**Application:** offices, lecture halls, corridors and stairways, shops

Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
2×36	P236LED	Plafone LED 2x36 B 4000K	36	4 000	111	4 000	>80	A+	1 327 × 206 × 70	4.6
2×58	P258LED	Plafone LED 2x58 B 4000K	47.5	5 100	107	4 000	>80	A+	1 327 × 206 × 70	4.6

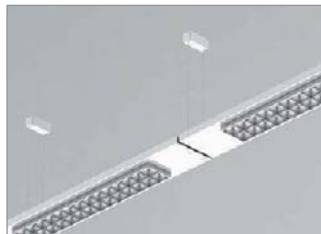
\* Indicative power just for fluorescent fixtures comparison purpose

## SURFACE MOUNTING



Dark Light optics with lenses for optimal lighting distribution

## SUSPENDED MOUNTING – COUPLING IN LINES



**20088** five-phase through-wired cable

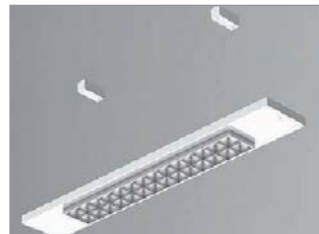
**20087** bracket and five-phase through-wired cable



to be ordered separately

to be ordered separately

## SUSPENDED MOUNTING – SEPARATE



**20080** wire pendant without power cable (120 cm)

**20081** wire pendant with power cable  $3 \times 0.75 \text{ mm}^2$  (120 cm)



to be ordered separ.

to be ordered separ.

## EMERGENCY LED INVERTER



**19355** inverter LED AT/LG 6W 55V 1/2/3H

**19356** inverter LED LGFM 6W 55V 1/2/3H

## INSTALLATION WITH EMERGENCY MODULE ECOLED



**19350** Module EM Eco LED SE 1N RM

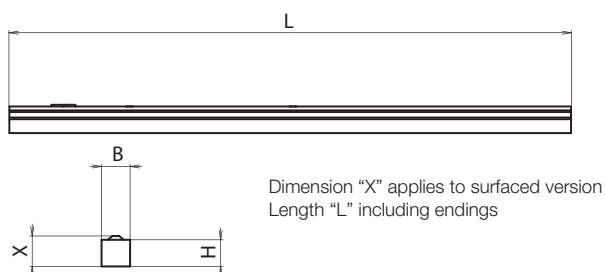
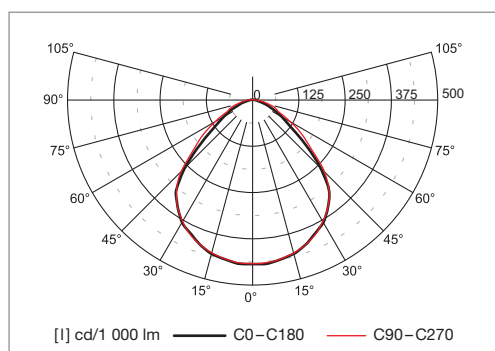


to be ordered separately



# Atomic LED

## Ceiling and suspended LED luminaires – separate/coupling in lines



MTBF of power supply\*\* 65 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* > 60 000 h (L80B20)  
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C



### Material:

- body: anodized aluminum profile and steel endings
- color: gray
- diffuser: frosted acrylic or microprismatic optics

**Degree of protection:** IP40

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

### Mounting:

- surfaced or suspended mounting **SEPARATE** (endings are components of the luminaire)
- surfaced or suspended mounting **COUPLING IN LINES** (endings to be ordered separately)

### Accessories: (to be ordered separately)

99-0085 – wire suspensions, transparent power cable 3× 1.5 mm<sup>2</sup> (120 cm) – set for one luminaire

99-0087 – wire suspensions, transparent power cable 5× 1.5 mm<sup>2</sup> (120 cm) – set for one luminaire

99-0094 – transparent power cable 200 cm (3× 1.5 mm<sup>2</sup>)

99-0095 – transparent power cable 200 cm (5× 1.5 mm<sup>2</sup>)

99-0096 – wire suspension 200 cm (1 pc) – for one coupling in lines luminaire 2 pcs needed

99-0123 – ending for ceiling version coupling in lines (1 pc)

99-0125 – coupler for luminaires coupling in lines

**Application:** restaurants, shops, hotels, finance houses, corridors and stairways

### Separate mounting

Power* W	Code	Optics	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H × X (mm)	Kg
2×36	A11-10001CM	frosted diffuser	40	3 483	87	4 000	>80	A+	1 207 × 60 × 56 × 61	2.5
2×36	A11-10001CW	micro-prism optic system	40	3 430	86	4 000	>80	A+	1 207 × 60 × 56 × 61	2.5
2×58	A11-10002CM	frosted diffuser	59	5 235	89	4 000	>80	A+	1 207 × 60 × 56 × 61	2.5
2×58	A11-10002CW	micro-prism optic system	59	5 169	88	4 000	>80	A+	1 207 × 60 × 56 × 61	2.5

### Coupling in lines

Power* W	Code	Optics	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H × X (mm)	Kg
2×36	A11-10008CM	frosted diffuser	40	3 483	87	4 000	>80	A+	1 204 × 60 × 56 × 61	2.5
2×36	A11-10008CW	micro-prism optic system	40	3 430	86	4 000	>80	A+	1 204 × 60 × 56 × 61	2.5
2×58	A11-10009CM	frosted diffuser	59	5 235	89	4 000	>80	A+	1 204 × 60 × 56 × 61	2.5
2×58	A11-10009CW	micro-prism optic system	59	5 169	88	4 000	>80	A+	1 204 × 60 × 56 × 61	2.5

Dimmable versions with DALI ballast on request.

\* Indicative power just for fluorescent fixtures comparison purpose





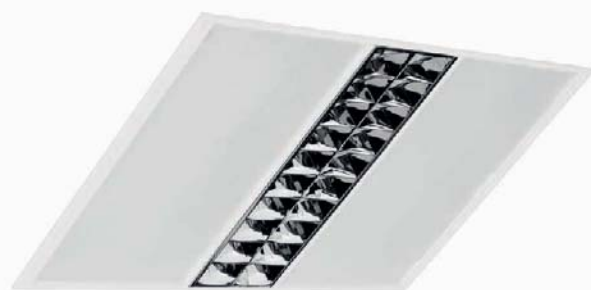


# Recessed LED luminaires





Lyra W LED

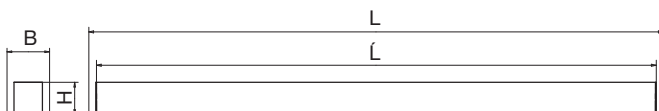
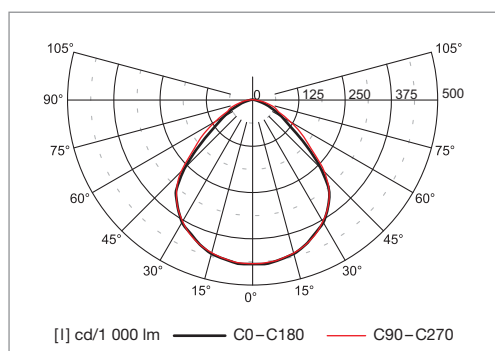


Carella W LED



# Atomic LED

## Recessed LED luminaires – separate/coupling in lines



MTBF of power supply\*\* 65 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* > 60 000 h (L80B20)

Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C



### Material:

- body: anodized aluminum profile and steel endings
- color: gray
- diffuser: frosted acrylic or microprismatic optics

### Degree of protection: IP40

### Rated voltage: 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

### Mounting:

- recessed mounting in plaster ceiling **SEPARATE** (endings are components of the luminaire)
- recessed mounting in plaster ceiling **COUPLING IN LINES** (endings to be ordered separately)

**Accessories:** universal holders for plaster ceiling (supplied with the luminaire)

### To be ordered separately:

99-0124 – ending (1 pc) for recessed version coupling in lines

99-0125 – coupler for luminaires coupling in lines

**Application:** restaurants, shops, hotels, finance houses, corridors and stairways

### Separate mounting

Power* W	Code	Optics	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
2×36	A11-10016CM	frosted diffuser	40	3 483	87	4 000	>80	A+	1 224 × 77 × 56	3.0
2×36	A11-10016CW	micro-prism optic system	40	3 430	86	4 000	>80	A+	1 224 × 77 × 56	3.0
2×58	A11-10017CM	frosted diffuser	59	5 235	89	4 000	>80	A+	1 224 × 77 × 56	3.0
2×58	A11-10017CW	micro-prism optic system	59	5 169	88	4 000	>80	A+	1 224 × 77 × 56	3.0

### Coupling in lines

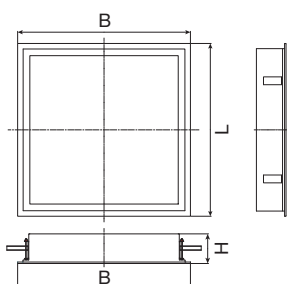
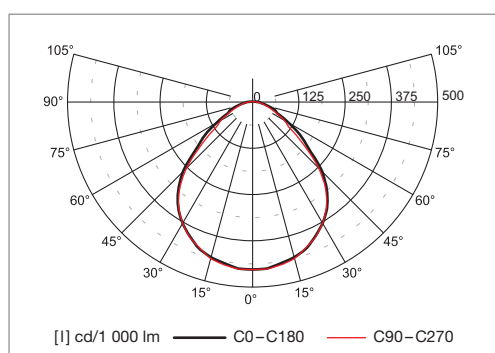
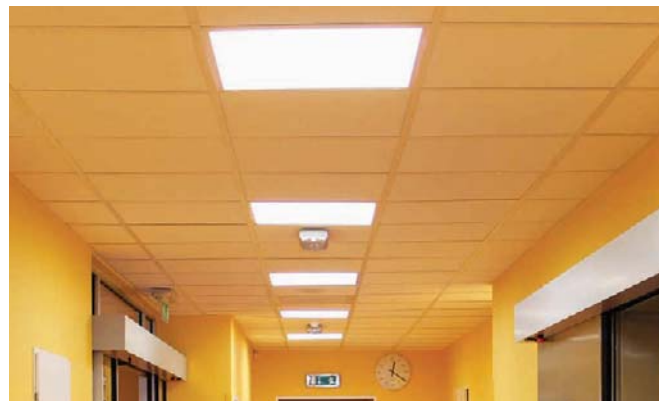
Power* W	Code	Optics	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
2×36	A11-10025CM	frosted diffuser	40	3 483	87	4 000	>80	A+	1 204 × 77 × 56	3.0
2×36	A11-10025CW	micro-prism optic system	40	3 430	86	4 000	>80	A+	1 204 × 77 × 56	3.0
2×58	A11-10026CM	frosted diffuser	59	5 235	89	4 000	>80	A+	1 204 × 77 × 56	3.0
2×58	A11-10026CW	micro-prism optic system	59	5 169	88	4 000	>80	A+	1 204 × 77 × 56	3.0

Dimmable versions with DALI ballast on request.

\* Indicative power just for fluorescent fixtures comparison purpose

# Lyra W LED

Recessed LED luminaires – universal mounting into ceiling modules M600 and plaster ceilings



## Material:

- body: steel sheet finished by powder technology varnishing
- color: white RAL 9003
- diffuser: microprismatic optics (frosted acrylic, prismatic and opaline diffuser on request)

**Degree of protection:** IP20

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** universal mounting in ceiling module M600 and plaster ceiling

**Accessories: (to be ordered separately)**

99-298 – steel holders for mounting in M600 module and plaster ceiling (4 pcs)

19355 – inverter LED AT/LG 6W 55V 1/2/3H

**Application:** computer labs, large and small offices, lecture halls

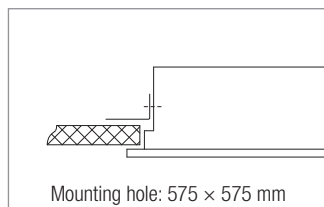
MTBF of power supply\*\* 50 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* >50 000 h (L90B10)

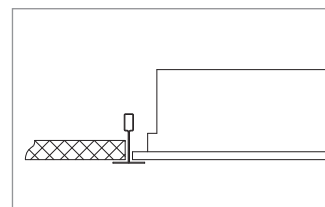
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C

## MOUNTING IN PLASTER CEILING



## MOUNTING IN MODULE M600



Power* W	Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
4×14	32-929/414/NW	41	4 400	107	4 000	>80	595 × 595 × 60	5.0
4×14	32-929/414/TW	41	4 400	107	4 000	>80	595 × 595 × 60	5.0

\* Indicative power just for fluorescent fixtures comparison purpose

N – LED driver

T – LED driver dimmable DALI

Diffusers on request:

M – frosted acrylic, X – prismatic, Z – opaline

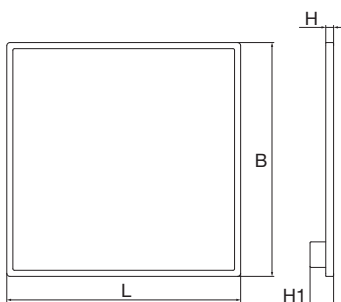
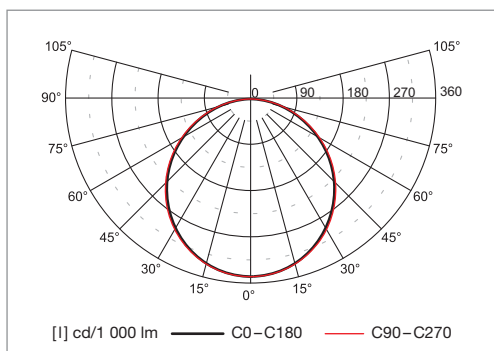
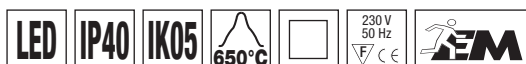


# PanelLED

Recessed LED luminaires – mounting into ceiling modules M600



**New**



## Material:

- body: aluminum frame
- diffuser: opaline PMMA

**Ambient temperature:** -20 ÷ 40°C

**Degree of protection:** IP40

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Service life:** 35 000 hours

**Mounting:** recessed mounting in ceiling module M600, ceiling or pendant mounting

**Accessories: (supplied with the luminaire)**

Wire pendants – 2 pcs

**Accessories: (to be ordered separately)**

70014 – box for surfaced mounting (for version 600 × 600)

70020 – box for surfaced mounting (for version 1 200 × 300)

99-0168 – recessed frame for plaster ceiling (for version 600 × 600)

99-0169 – recessed frame for plaster ceiling (for version 1 200 × 300)

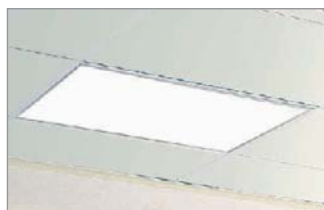
19364 – inverter LED IP65 AT/LG 123H

**Application:** schools, hotels, shopping centers, large and small offices, lecture halls, vestibules

## PENDANT MOUNTING



## RECESSED MOUNTING



## BOX FOR SURFACED MOUNTING



Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L × B × H × H1 (mm)	Kg
4×18	70010	PAN LED 600x600	40	3 000	75	3 000	>80	595 × 595 × 9 × 60	3.7
4×18	70011	PAN LED 600x600	40	3 000	75	4 000	>80	595 × 595 × 9 × 60	3.7
2×36	70012	PAN LED 1200x300	40	3 000	75	3 000	>80	295 × 1 195 × 9 × 60	3.7
2×36	70013	PAN LED 1200x300	40	3 000	75	4 000	>80	295 × 1 195 × 9 × 60	3.7

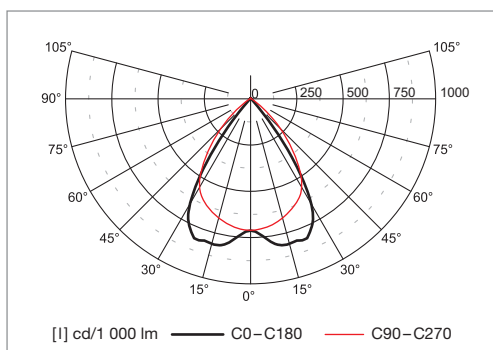
\* Indicative power just for fluorescent fixtures comparison purpose





# Carella LED

LED luminaires – universal mounting into ceiling modules M600 and plaster ceilings  
– surfaced mounting on ceiling



## Material:

- body: steel sheet finished by powder technology varnishing
- color: white RAL 9003
- louvre: highly polished parabolic louvre

**Degree of protection:** IP20

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** universal mounting in ceiling module M600 and plaster ceilings; surfaced mounting on ceiling

**Accessories: (to be ordered separately)**

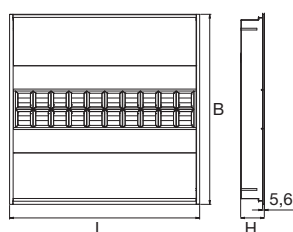
99-298 – holders into panel ceilings (4 pcs)

99-299 – holders into plaster ceilings (4 pcs)

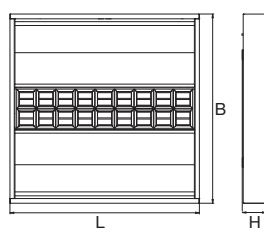
19350 – Module EM Eco LED SE 1N RM

**Application:** offices, hospital rooms and waiting rooms, counter space and medical offices

## Recessed version

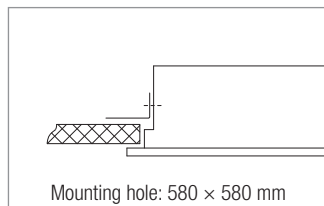


## Surfaced version

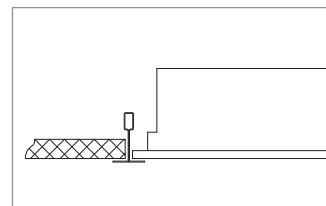


Surfaced version

## MOUNTING IN PLASTER CEILING



## MOUNTING IN MODULE M600



## EMERGENCY LED MODULE



Power* W	Code	Mounting	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
4×18	A14-10037C	recessed	37	2 800	76	4 000	>80	595 × 595 × 74	5.0
4×18	A14-10038C	surfaced	37	2 800	76	4 000	>80	603 × 603 × 76	5.0

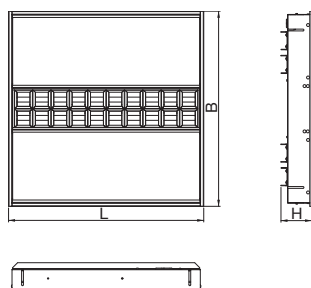
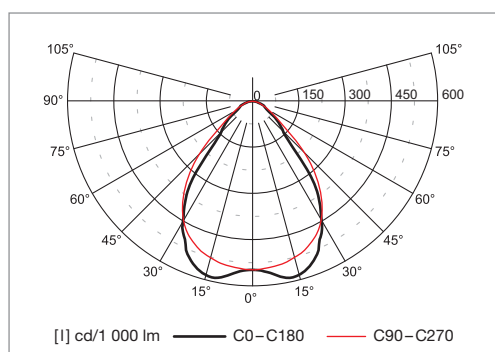
\* Indicative power just for fluorescent fixtures comparison purpose

# Carella W LED

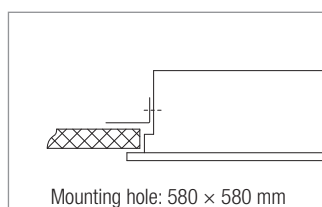
Recessed LED luminaires – universal mounting into ceiling modules M600 and plaster ceilings



**New**



## MOUNTING IN PLASTER CEILING



## Material:

- body: steel sheet finished by powder technology varnishing
- color: white RAL 9003
- louvre: highly polished parabolic louvre
- diffuser: microprismatic optics

**Degree of protection:** IP20

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** universal mounting in ceiling module M600 and plaster ceilings

**Accessories: (to be ordered separately)**

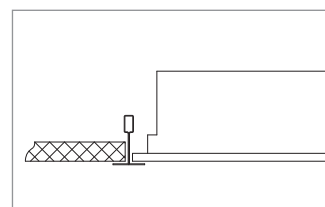
99-298 – holders into panel ceilings (4 pcs)

99-299 – holders into plaster ceilings (4 pcs)

19350 – Module EM Eco LED SE 1N RM

**Application:** offices, hospital rooms and waiting rooms, counter space and medical offices

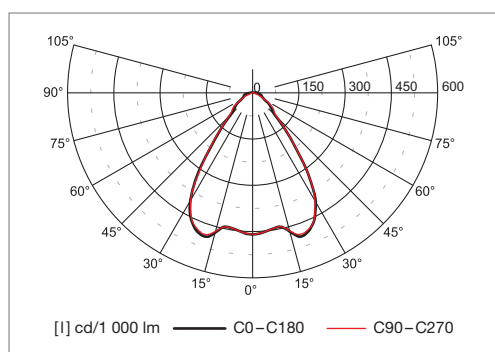
## MOUNTING IN MODULE M600



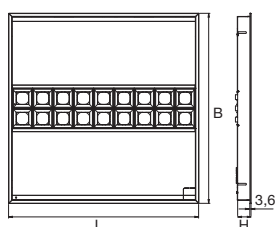
Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
A20-10056C	119	7 800	66	4 000	>80	595 × 595 × 93	5.0

# I418 LED

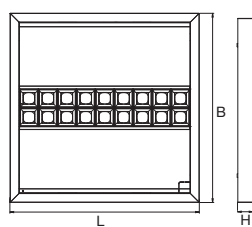
LED luminaires – universal mounting into ceiling modules M600 and plaster ceilings  
– surfaced mounting on ceiling



Recessed version



Surfaced version



MTBF of power supply\*\* 65 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* > 60 000 h (L80B20)  
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C

## Material:

- body: steel sheet finished by powder technology varnishing
- color: white RAL 9003
- louvre: highly polished parabolic louvre

**Degree of protection:** IP20

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** universal mounting in ceiling module M600 and plaster ceilings; surfaced mounting

**Accessories: (to be ordered separately)**

1232 – adapter for surfaced mounting

19341 – EM LED module AT SE 1N

19342 – EM LED module LG SE/SA 1/3H

19343 – EM LED module LGFM SE/SA 1/3H

19355 – inverter LED AT/LG 6W 55V 1/2/3H

19356 – inverter LED LGFM 6W 55V 1/2/3H

19350 – Module EM Eco LED SE 1N RM

10404 – holders into plaster ceilings (4 pcs)

**Application:** large and small offices, lecture halls, vestibules, classrooms, computer office, boardroom

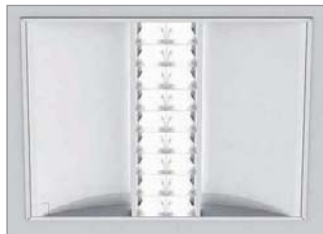
Version	L	B	H	Kg
Recessed	595	595	46	3.2
Surfaced	635	635	54	4.5

Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
4×18	I418LED	INC M600 4x18 LED B	31	3 150	102	4 000	>80	A+	595 × 595 × 46	3.2

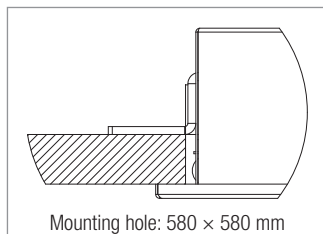
\* Indicative power just for fluorescent fixtures comparison purpose



## MOUNTING IN PLASTER CEILING



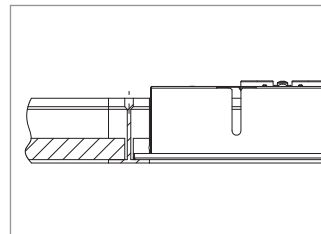
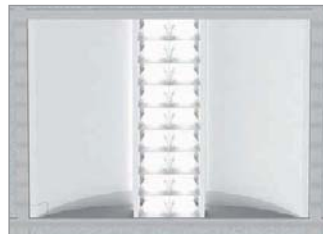
**10404** holders into plaster ceilings (4 pcs)



Mounting hole: 580 × 580 mm

to be ordered separately

## MOUNTING IN MODULE M600



## EMERGENCY LED MODULE



**19350** Module EM Eco LED SE 1N RM

**19341** EM LED module AT SE 1N

**19342** EM LED module LG SE/SA 1/3H

**19343** EM LED module LGFM SE/SA 1/3H



to be ordered separately  
to be ordered separately  
to be ordered separately  
to be ordered separately

## EMERGENCY LED INVERTER

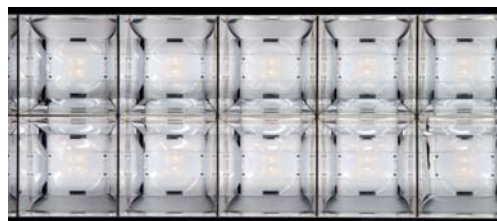


**19355** inverter LED AT/LG 6W 55V 1/2/3H

**19356** inverter LED LGFM 6W 55V 1/2/3H



Box for surfaced mounting; code 1232

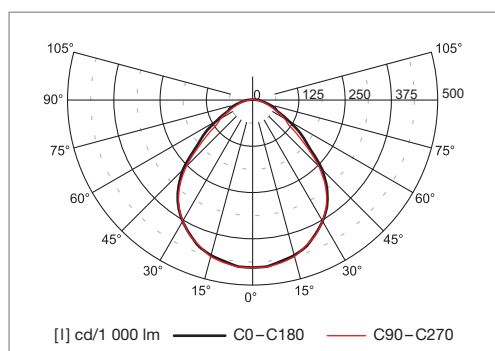


Highly polished parabolic louvre  
for optimal luminous flux distribution

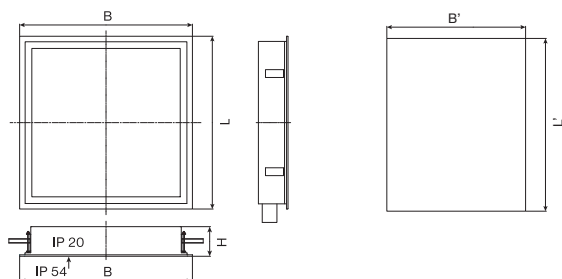


# Aries W LED

Recessed LED luminaires IP54/20 – universal mounting into ceiling modules M600 and plaster ceilings



Mounting hole in plaster ceiling



## Material:

- body: a steel sheet finished by powder technology varnishing
- color: white RAL 9003
- diffuser: microprismatic optics

**Degree of protection:** IP54/20 – IP54 (frame to the body of the luminaire), IP20 body of the luminaire

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** universal mounting into ceiling modules M600 and plaster ceilings

Holders are components of the luminaire.

**Accessories: (to be ordered separately)**

19355 – inverter LED AT/LG 6W 55V 123H

**Application:** operating theaters, hospitals, laboratories, precincts with high humidity and dustiness, precincts demanding high sanitary codes

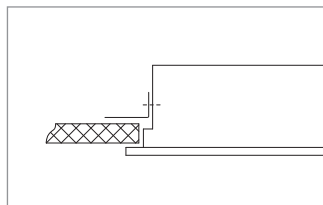
MTBF of power supply\*\* 50 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* > 50 000 h (L90B10)

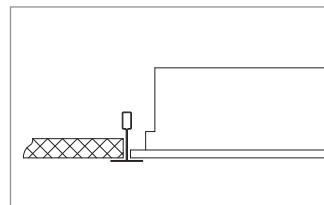
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C

## MOUNTING INTO PLASTER CEILING



## MOUNTING INTO CEILING MODULE M600



Power* W	Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	Hole cut out L' x B' (mm)	L x B x H (mm)	Kg
4x14	35-909/414/NW	41	4 400	107	4 000	>80	A+	565 x 565	595 x 595 x 112	4.5
4x14	35-909/414/TW	41	4 400	107	4 000	>80	A+	565 x 565	595 x 595 x 112	4.5

\* Indicative power just for fluorescent fixtures comparison purpose

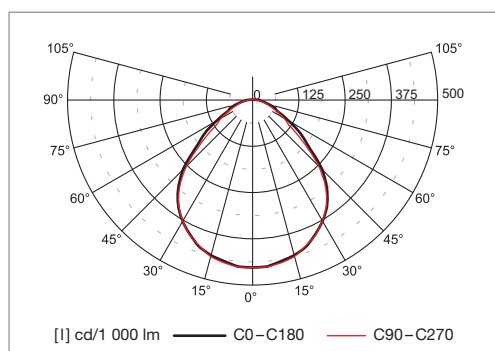
N – LED driver

T – LED driver dimmable DALI

M – frosted acrylic, X – prismatic and Z – opaline diffuser on request

# Arietis W LED

Recessed LED luminaires IP65 – universal mounting into ceiling modules M600 and plaster ceilings



## Material:

- body: a steel sheet finished by powder technology varnishing
- color: white RAL 9003
- diffuser: microprismatic optics

**Degree of protection:** IP65

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** universal mounting into ceiling modules M600 and plaster ceilings

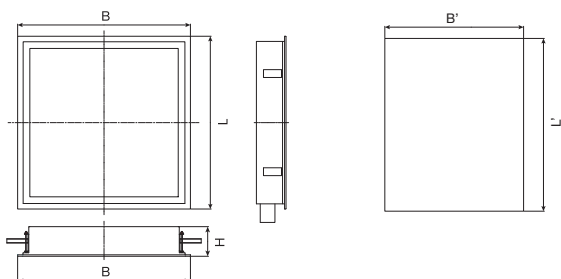
Holders are components of the luminaire

**Accessories: (to be ordered separately)**

19355 – inverter LED AT/LG 6W 55V 123H

**Application:** operating theaters, hospitals, laboratories, precincts with high humidity and dustiness, precincts demanding high sanitary codes

## Mounting hole in plaster ceiling



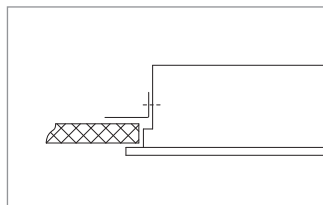
MTBF of power supply\*\* 50 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* > 50 000 h (L90B10)

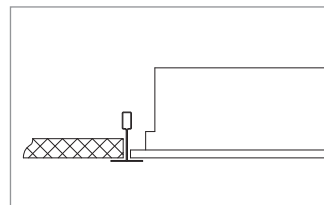
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C

## MOUNTING INTO PLASTER CEILING



## MOUNTING INTO CEILING MODULE M600



Power* W	Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	Hole cut out L' × B' (mm)	L × B × H (mm)	Kg
4×14	36-999/414/NW	41	4 400	107	4 000	>80	A+	565 × 565	595 × 595 × 112	5.5
4×14	36-999/414/TW	41	4 400	107	4 000	>80	A+	565 × 565	595 × 595 × 112	5.5

\* Indicative power just for fluorescent fixtures comparison purpose

N – LED driver

T – LED driver dimmable DALI

M – frosted acrylic, X – prismatic and Z – opaline diffuser on request



# Decorative LED luminaires





Zoom LED

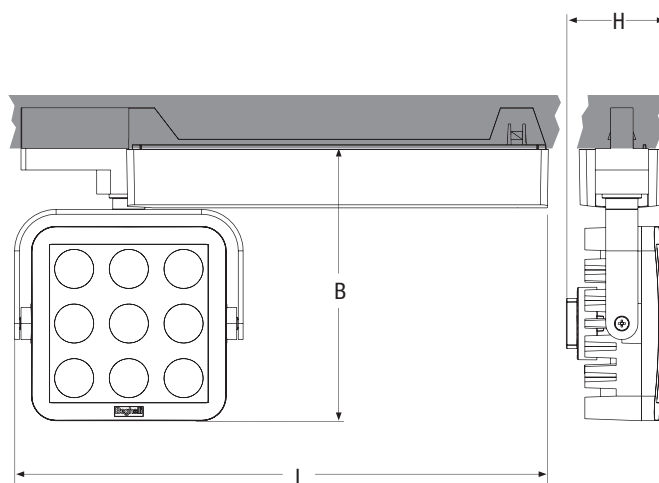


MultiBay LED 30



# Zoom LED

LED spotlight – three-phase track system mounting



MTBF of power supply\*\* 65 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* > 60 000 h (L80B20)  
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C



## Material:

- body: die-cast aluminum in RAL 9003
- optics: transparent PMMA

**Degree of protection:** IP40

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver

**Mounting:** for three-phase light track system

**Application:** shops windows, boutiques, shopping galleries, fashion lounge, hotels and restaurants

LED spotlight with module that allows tilting and rotation. The module contains 9 special high-efficiency LED with options to set narrow-beam or wide-beam light distribution. Adjustable in the range 10–40°.

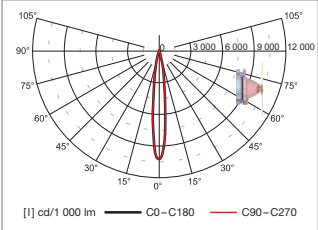
Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
1×35	Z135LED	ZOOM LED BTRF 1X35W	15	1 400	90	3 000	≥80	A++	330 × 170 × 53	1.4
1×70	Z170LED	ZOOM LED BTRF 1X70W	33	2 500	76	3 000	≥80	A++	330 × 170 × 53	1.4
1×150	Z1150LED	ZOOM LED BTRF 1X150W	47	4 000	76	3 000	≥80	A+	330 × 170 × 53	1.4

\* Indicative power just for fluorescent fixtures comparison purpose

SETTING THE LUMINANCE CURVE ON 40°



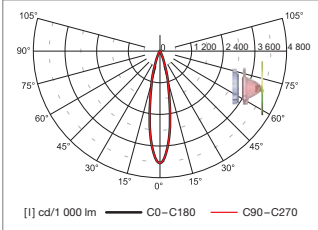
SETTING THE LUMINANCE CURVE ON 10°



I max 35w\* = 28 800 Cd / I max 70w\* = 47 400 Cd

Beam angle 10°

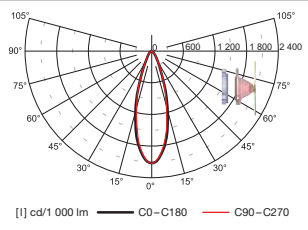
Distance	Diameter	Illuminance
0.5 m	Ø 0.11 m	119 379 lx
1.0 m	Ø 0.22 m	29 845 lx
1.5 m	Ø 0.33 m	13 264 lx
2.0 m	Ø 0.44 m	7 461 lx
2.5 m	Ø 0.55 m	4 775 lx
3.0 m	Ø 0.66 m	3 316 lx



I max 35w\* = 11 900 / I max 70w\* = 19 550 Cd

Beam angle 20°

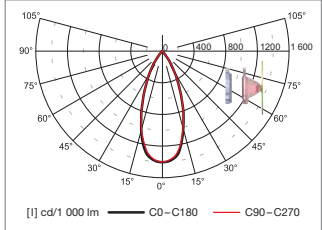
Distance	Diameter	Illuminance
0.5 m	Ø 0.18 m	49 269 lx
1.0 m	Ø 0.36 m	12 317 lx
1.5 m	Ø 0.53 m	5 474 lx
2.0 m	Ø 0.71 m	3 079 lx
2.5 m	Ø 0.89 m	1 971 lx
3.0 m	Ø 1.07 m	1 369 lx



I max 35w\* = 5 950 Cd / I max 70w\* = 9 800 Cd

Beam angle 30°

Distance	Diameter	Illuminance
0.5 m	Ø 0.29 m	24 656 lx
1.0 m	Ø 0.58 m	6 164 lx
1.5 m	Ø 0.87 m	2 740 lx
2.0 m	Ø 1.15 m	1 541 lx
2.5 m	Ø 1.44 m	986 lx
3.0 m	Ø 1.73 m	685 lx



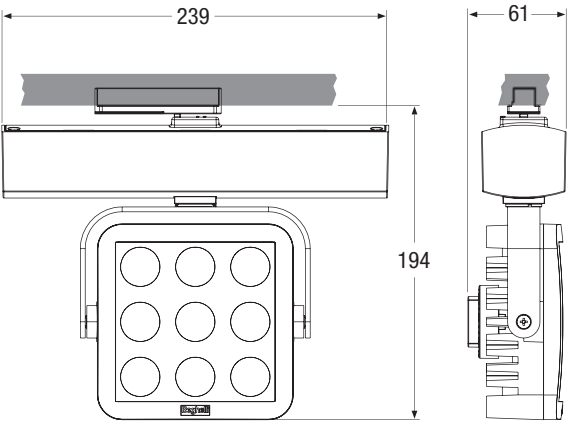
I max 35w\* = 4 000 Cd / I max 70w\* = 6 550 Cd

Beam angle 40°

Distance	Diameter	Illuminance
0.5 m	Ø 0.39 m	16 512 lx
1.0 m	Ø 0.78 m	4 128 lx
1.5 m	Ø 1.16 m	1 835 lx
2.0 m	Ø 1.55 m	1 032 lx
2.5 m	Ø 1.94 m	660 lx
3.0 m	Ø 2.33 m	459 lx

On request, we can supply the following performance:

- version with black body
- color rendering Ra 90
- other color temperatures

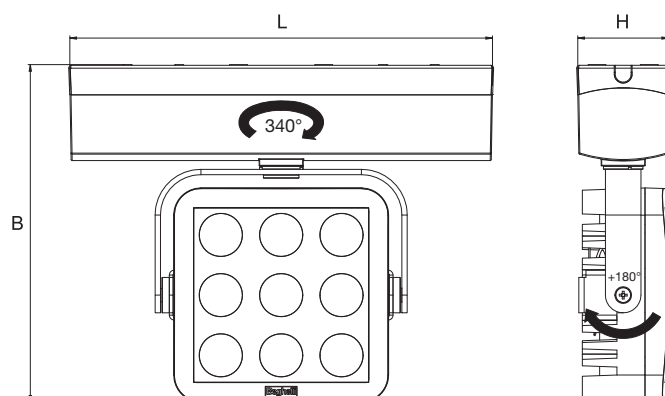


Version for single-phase light track system



# Zoom LED

LED spotlight – surfaced mounting on ceiling or wall



MTBF of power supply\*\* 65 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* > 60 000 h (L80B20)  
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C



## Material:

- body: die-cast aluminum in RAL 9003
- optics: transparent PMMA

**Degree of protection:** IP40

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver

**Mounting:** on ceiling or wall

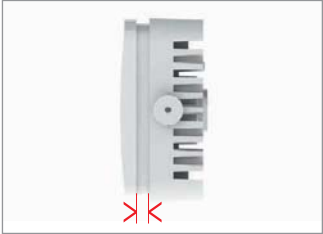
**Application:** shops windows, boutiques, shopping galleries, fashion lounge, hotels and restaurants

LED spotlight with module that allows tilting and rotation. The module contains 9 special high-efficiency LED with options to set narrow-beam or wide-beam light distribution. Adjustable in the range 10–40°.

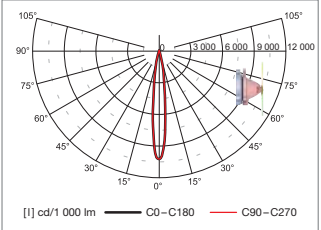
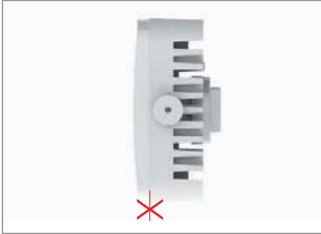
Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
1×35	Z135LEDA	ZOOM LED AP 1X35W	15	1 400	90	3 000	≥80	A++	240 × 195 × 53	1.4
1×70	Z170LEDA	ZOOM LED AP 1X70W	33	2 500	76	3 000	≥80	A++	240 × 195 × 53	1.4
1×150	Z1150LEDA	ZOOM LED AP 1X150W	47	4 000	76	3 000	≥80	A+	240 × 195 × 53	1.4

\* Indicative power just for fluorescent fixtures comparison purpose

SETTING THE LUMINANCE CURVE ON 40°

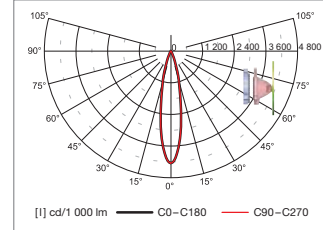


SETTING THE LUMINANCE CURVE ON 10°



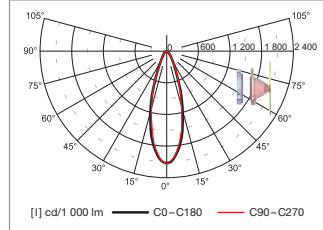
I max 35w\* = 28 800 Cd / I max 70w\* = 47 400 Cd  
**Beam angle 10°**

Distance	Diameter	Illuminance
0.5 m	Ø 0.11 m	119 379 lx
1.0 m	Ø 0.22 m	29 845 lx
1.5 m	Ø 0.33 m	13 264 lx
2.0 m	Ø 0.44 m	7 461 lx
2.5 m	Ø 0.55 m	4 775 lx
3.0 m	Ø 0.66 m	3 316 lx



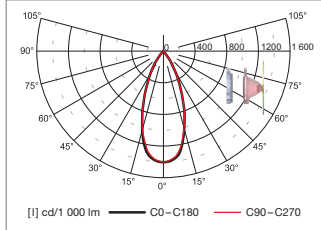
I max 35w\* = 11 900 / I max 70w\* = 19 550 Cd  
**Beam angle 20°**

Distance	Diameter	Illuminance
0.5 m	Ø 0.18 m	49 269 lx
1.0 m	Ø 0.36 m	12 317 lx
1.5 m	Ø 0.53 m	5 474 lx
2.0 m	Ø 0.71 m	3 079 lx
2.5 m	Ø 0.89 m	1 971 lx
3.0 m	Ø 1.07 m	1 369 lx



I max 35w\* = 5 950 Cd / I max 70w\* = 9 800 Cd  
**Beam angle 30°**

Distance	Diameter	Illuminance
0.5 m	Ø 0.29 m	24 656 lx
1.0 m	Ø 0.58 m	6 164 lx
1.5 m	Ø 0.87 m	2 740 lx
2.0 m	Ø 1.15 m	1 541 lx
2.5 m	Ø 1.44 m	986 lx
3.0 m	Ø 1.73 m	685 lx



I max 35w\* = 4 000 Cd / I max 70w\* = 6 550 Cd  
**Beam angle 40°**

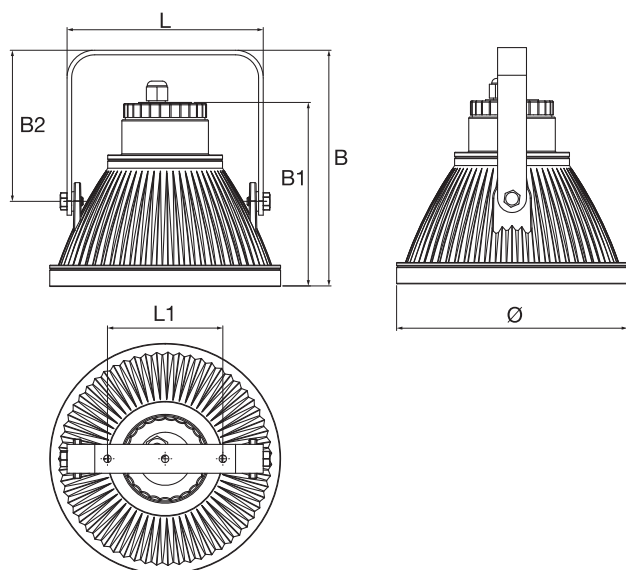
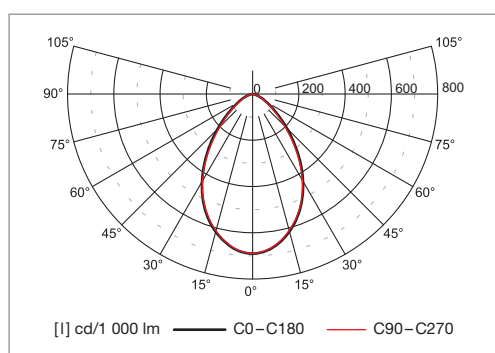
Distance	Diameter	Illuminance
0.5 m	Ø 0.39 m	16 512 lx
1.0 m	Ø 0.78 m	4 128 lx
1.5 m	Ø 1.16 m	1 835 lx
2.0 m	Ø 1.55 m	1 032 lx
2.5 m	Ø 1.94 m	660 lx
3.0 m	Ø 2.33 m	459 lx





# MultiBay LED 30

Multifunction LED spotlight



**MultiBay 30 REPLACES  
100W  
HALOGEN FLOODLIGHT**

Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC
1×100	76300	HMF LED 30	28	1 800	64	4 000	>80	A

\* Indicative power just for comparison purpose with fixtures equipped with tungsten halogen lamps



## Material:

- body: aluminum casting
- color: grey RAL 7040
- reflector: aluminum, white painted
- diffuser: frosted tempered glass

**Degree of protection:** IP65

**Ambient temperature:** -20 ÷ 40°C

**Rated voltage:** 220/240 V – 50/60 Hz

**Control gear:** LED driver

**Service life:** 35 000 hours

**Mounting:** wall or pendant mounting, with spike into the ground

**Accessories (supplied with):**

- bracket for wall mounting (1 pc)
- spike for mounting into the ground
- wire pendant

**Application:** restaurants, lobbies, shops and hotels

W*	• Dimensions (mm) •						N° LED	Weight Kg
	Ø	B	B1	B2	L	L1		
30	200	204	159	131	170	100	80	1.8

\* Indicative power just for comparison purpose with fixtures equipped with tungsten halogen lamps

## SUSPENDED MOUNTING



## MOUNTING ON REVOLVING BRACKET ON WALL/CEILING



## MOUNTING WITH SPIKE INTO THE GROUND



## APPLICATION ON CONSTRUCTION SITE



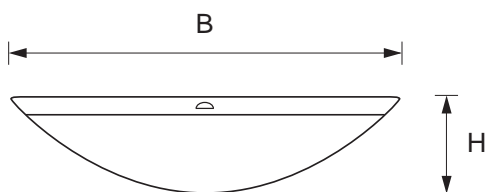
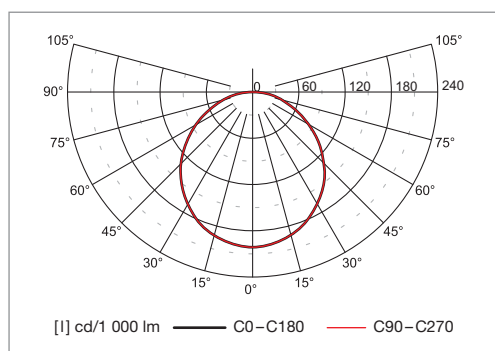


# Luna LED

## Ceiling and wall LED luminaires IP65



**New**



### Material:

- body: made of thermoplastic
- color: white
- reflector: steel sheet
- diffuser: opal polycarbonate

**Degree of protection:** IP65

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

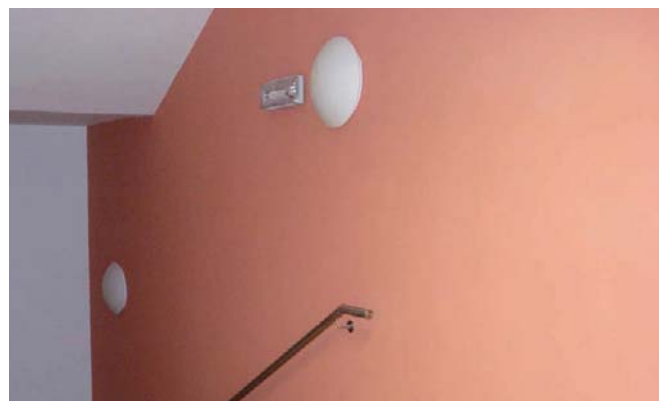
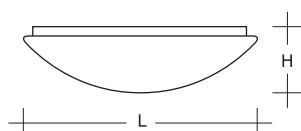
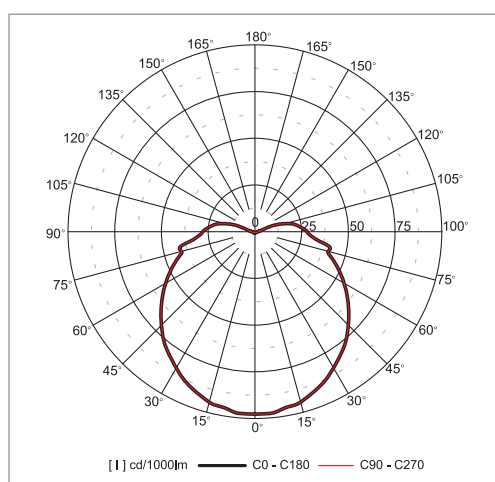
**Mounting:** on a ceiling or on a wall, incl. flammable surfaces

**Application:** hospitals, laboratories, entry halls, reception desks, corridors, restaurants, conference rooms

Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	ØB × H (mm)	Kg
A30-10112	10	845	85	4 000	80	335 × 130	1.2
A30-10113	14	1 170	84	4 000	80	335 × 130	1.2
A30-10114	19	1 560	82	4 000	80	335 × 130	1.4

# Castelo LED

## Ceiling and wall-mounted LED luminaires



### Material:

- body: a steel sheet finished by powder technology varnishing
- color: white RAL 9003
- diffuser: opal glass cover

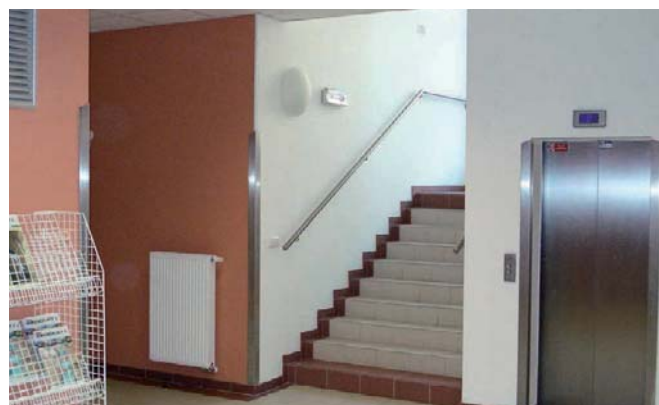
**Degree of protection:** IP40, IP44

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version (only for A24-10075 and A24-10076)

**Mounting:** surfaced mounting on ceiling or wall

**Application:** reception desks, entry halls, corridors and stairways, lobby-rooms



Power* W	Code	IP	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	ØL x H (mm)	Kg
1x26	A24-10074B	40	16	1 060	67	3 000	>80	310 x 120	2.0
1x26	A24-10074E	40	16	1 170	73	5 600	>80	310 x 120	2.0
2x18	A24-10075B	44	20	1 580	79	3 000	>80	360 x 125	3.0
2x18	A24-10075C	44	20	1 780	89	4 000	>80	360 x 125	3.0
2x26	A24-10076B	44	26	2 080	80	3 000	>80	420 x 125	4.0
2x26	A24-10076C	44	26	2 320	89	4 000	>80	420 x 125	4.0

\* Indicative power just for fluorescent fixtures comparison purpose

**The following coding applies only for version A24-10075 and A24-10076, example: A24-10075BLG or A24-10076CAT**

Order code with suffix AT: Luminaire for emergency lighting system AUTOTEST with its own battery

Order code with suffix LG: Luminaire for emergency lighting system LOGICA with its own battery

Order code with suffix S: Luminaire with HF ballast with monitoring module, manual coding

Order code with suffix A: Luminaire with HF ballast with monitoring module, automatic coding

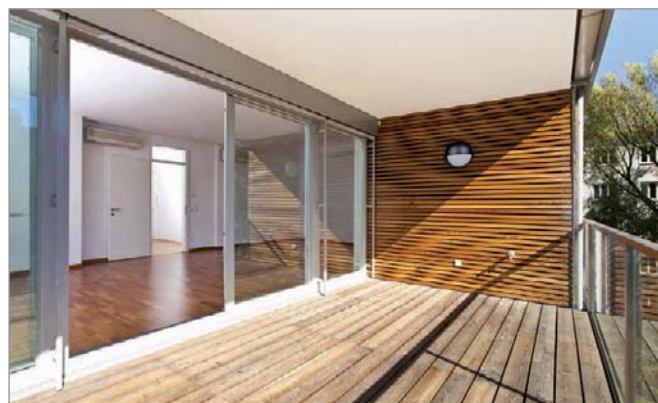
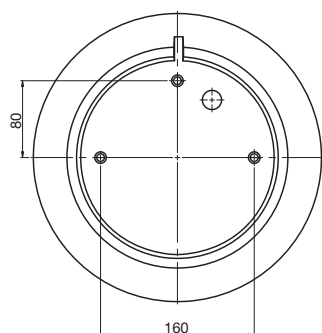
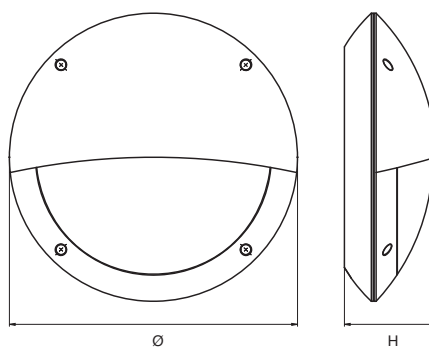
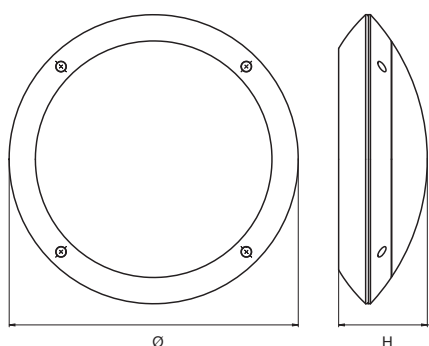
Order code with suffix N: Luminaire with HF ballast suitable for LOGICA-NEA emergency lighting systems for CBS





# Full Moon & Half Moon

Ceiling and wall-mounted LED luminaires IP66



## Material:

- body: self-extinguishing UV-resistant polycarbonate
- color: grey (RAL 9006) or black (RAL 9011)
- diffuser: opal self-extinguishing UV-resistant polycarbonate

**Ambient temperature:** -20 ÷ 40°C (ambient temperatures range refers to the type of light source, this range is valid for light sources of Beghelli ECOLED)

**Degree of protection:** IP66

**Rated voltage:** 220/240 V – 50/60 Hz

**Mounting:** surfaced mounting on wall or ceiling

**Application:** corridors and stairways in shopping centers, restaurants, lobbies, shops and hotels



**Full Moon**

Power* W	Code	Article	Cap	ØB × H (mm)	Kg	Color
Max. 75	75300	WL FM E27 BLACK	E27	300 × 90	0.8	black
Max. 75	75400	WL FM E27 GREY	E27	300 × 90	0.8	grey

**Half Moon**

Power* W	Code	Article	Cap	ØB × H (mm)	Kg	Color
Max. 75	75316	WL HM E27 BLACK	E27	300 × 90	0.8	black
Max. 75	75416	WL HM E27 GREY	E27	300 × 90	0.8	grey

The fixture can be equipped with incandescent lamp (max. 75 W), CFL or LED lamp (E27).

\* Indicative power just for fluorescent fixtures comparison purpose

## Recommended Beghelli lamps for socket E27

**Full Moon**

W	Code	Article	Color temp. K	Luminous flux	W	Code	Article	Color temp. K	Luminous flux
11	56300	SORPRESA LED	3 000	1 055	20	50221	CFL	6 500	1 250
11	56301	SORPRESA LED	4 000	1 055	20	50308	CFL	6 500	1 400
11	56003	LED	3 000	1 055	23	50703	CFL	2 700	1 230
11	56004	LED	4 000	1 055	23	50803	CFL	2 700	1 600
12	56933	LED	3 000	1 200	23	50713	CFL	4 000	1 230
12	56934	LED	4 000	1 200	23	50813	CFL	4 000	1 600
20	50702	CFL	2 700	1 250	23	50723	CFL	6 500	1 230
20	50802	CFL	2 700	1 400	23	50823	CFL	6 500	1 600
20	50203	CFL	2 700	1 250	25	50204	CFL	2 700	1 230
20	50302	CFL	2 700	1 400	25	50309	CFL	2 700	1 600
20	50712	CFL	4 000	1 250	25	50213	CFL	4 000	1 230
20	50812	CFL	4 000	1 400	25	50310	CFL	4 000	1 600
20	50212	CFL	4 000	1 250	25	50222	CFL	6 500	1 230
20	50305	CFL	4 000	1 400	25	50311	CFL	6 500	1 600
20	50722	CFL	6 500	1 250	70	54904	HALOGREEN	2 700	1 175
20	50822	CFL	6 500	1 400					

SORPRESA LED – anti black-out LED lamp that switches on automatically in case of mains failure (black-out)

CFL – compact fluorescent lamp, HALOGREEN – tungsten halogen lamp

**Half Moon**

W	Code	Article	Color temp. K	Luminous flux	W	Code	Article	Color temp. K	Luminous flux
11	56300	SORPRESA LED	3 000	1 055	20	50822	CFL	6 500	1 250
11	56301	SORPRESA LED	4 000	1 055	23	50823	CFL	6 500	1 400
11	56003	LED	3 000	1 055	20	50203	CFL	2 700	1 230
11	56004	LED	4 000	1 055	25	50204	CFL	2 700	1 600
12	56933	LED	3 000	1 200	20	50212	CFL	4 000	1 230
12	56934	LED	4 000	1 200	25	50213	CFL	4 000	1 600
20	50702	CFL	2 700	1 250	20	50221	CFL	6 500	1 230
23	50703	CFL	2 700	1 400	25	50222	CFL	6 500	1 600
20	50712	CFL	4 000	1 250	20	50302	CFL	2 700	1 230
23	50713	CFL	4 000	1 400	25	50309	CFL	2 700	1 600
20	50722	CFL	6 500	1 250	20	50305	CFL	4 000	1 230
23	50723	CFL	6 500	1 400	25	50310	CFL	4 000	1 600
20	50802	CFL	2 700	1 250	20	50308	CFL	6 500	1 230
23	50803	CFL	2 700	1 400	25	50311	CFL	6 500	1 600
20	50812	CFL	4 000	1 250	70	54904	HALOGREEN	2 700	1 175
23	50813	CFL	4 000	1 400					

SORPRESA LED – anti black-out LED lamp that switches on automatically in case of mains failure (black-out)

CFL – compact fluorescent lamp, HALOGREEN – tungsten halogen lamp

# Downlights LED







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D170LED / D1150LED

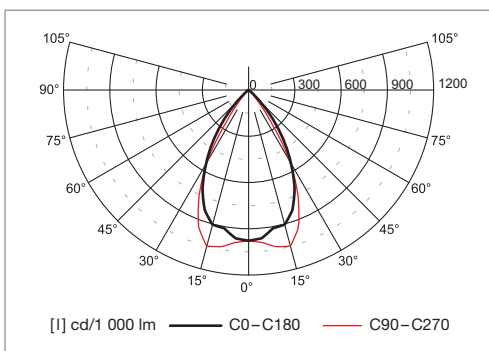
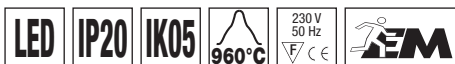


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Downlight LED Flat

# D226/D170/D1150 LED

Recessed LED luminaires – mounting in plaster ceiling



## Material:

- body: die-cast aluminum
- color: white RAL 9003
- reflector: polished aluminum sheet

**Ambient temperature:** -20 ÷ 40°C

**Degree of protection:** IP20

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** recessed into ceiling or surfaced on ceiling

**Accessories: (to be ordered separately)**

20090 – circular adapter for recessed mounting 240DWL LED

20091 – adapter for surfaced mounting

19364 – inverter LED IP65 AT/LG 123H

19365 – inverter LED IP65 LGFM 123H

20098 – optical diffuser

**Application:** reception desks, corridors and stairways, lecture halls, shop windows, boutiques, hotels and restaurants



MTBF of power supply\*\* 65 000 h  
(MTBF: Mean Time Between Failures)

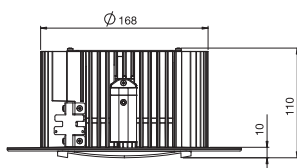
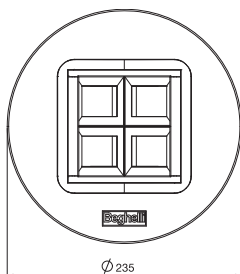
Luminous flux decrease:\*\*

D226 LED >60 000 h (L80B20)

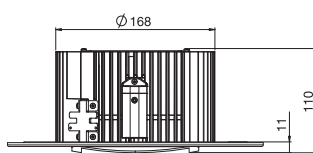
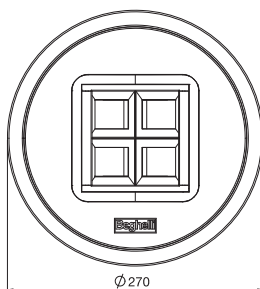
D1150/D170 LED >50 000/60 000 h (L80B20)

Color temp. stability: 3 SDCM

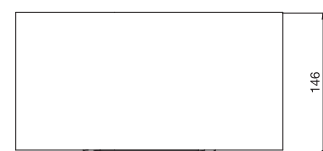
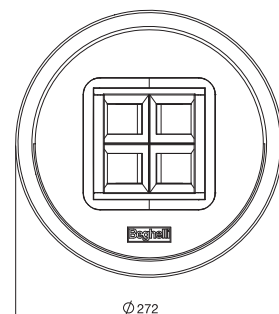
\*\* Applies to ambient temperature 25°C



Mounting hole: 170 × 200 mm



Mounting hole: 200 × 240 mm  
mounting hole for adapter ring



ceiling version

Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L x B (mm)	Kg
2x26	D226LED	DWL LED 2X26W INC	18	1 700	94	4 000	>80	A+	235 x 110	1.9
70	D170LED	DWL LED 1X70W INC	40	3 300	83	3 000	>80	A+	235 x 110	1.9
150	D1150LED	DWL LED 1X150W INC	64.5	5 500	85	3 000	>80	A++	235 x 110	1.9

\* Indicative power just for comparison purpose with fluorescent fixtures or fixtures with high pressure lamps.

#### RECESSED MOUNTING WITH ADAPTER RING



Mounting hole: 200 x 240 mm

**20090** Adapter ring 240 DWL LED

to be ordered separately

#### OPTICAL COVER



#### RECESSED MOUNTING



Mounting hole: Ø 170 ÷ 200 mm

#### SURFACED MOUNTING ON CEILING



**20091** Adapter for surfaced mounting DWL LED

to be ordered separately

#### INVERTER LED IP65



**19364** inverter LED IP65 AT/LG 123H

**19365** inverter LED IP65 LGFM 123H

to be ordered separately

to be ordered separately



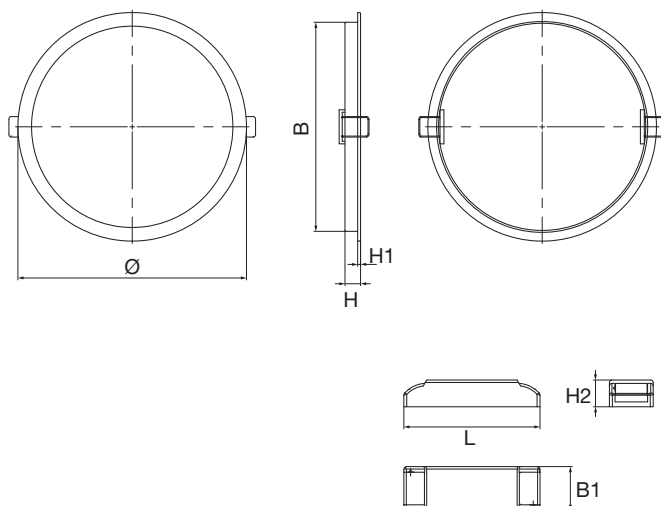
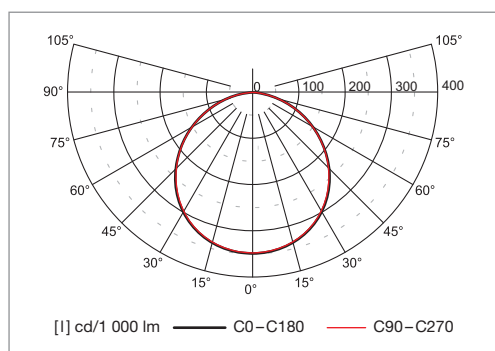


# Downlight LED Flat

## Recessed LED luminaires



**New**



### Material:

- body: aluminum with white frame
- diffuser: opal polycarbonate

**Ambient temperature:** -20 ÷ 40°C

**Degree of protection:** optical part IP42, ballast box IP20

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Service life:** 35 000 hours

**Mounting:** recessed into ceiling

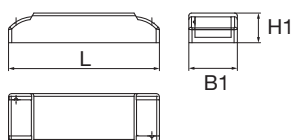
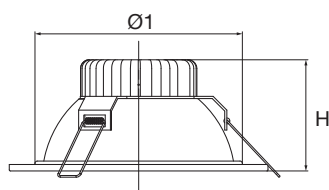
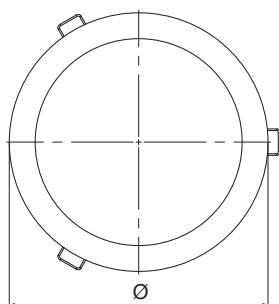
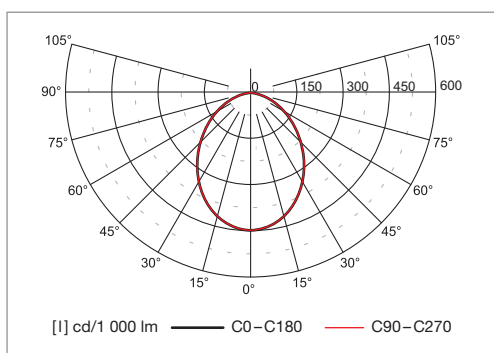
**Application:** shops, stairways, corridors in shopping centers, vestibules, hotels and restaurants

• Dimensions (mm) •							Mounting hole	Weight Kg
Ø	B	H	H1	L	B1	H2		
180	165	23	3				170	0.4
235	219	23	3				220	0.7
<b>Power supply unit</b>								
				140	45	28		

Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	N°LED
71020	DWL LED 163 13W 3000K	13	800	61	3 000	>80	A	121
71021	DWL LED 163 13W 4000K	13	800	61	4 000	>80	A	121
71022	DWL LED 216 20W 3000K	21	1 500	71	3 000	>80	A	202
71023	DWL LED 216 20W 4000K	21	1 500	71	4 000	>80	A	202

# Downlight LED

## Recessed LED luminaires



### Material:

- body: aluminum with white frame
- diffuser: opal polycarbonate

**Ambient temperature:** -20 ÷ 40°C

**Degree of protection:** optical part IP40, ballast box IP20

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Service life:** 30 000 hours

**Mounting:** recessed into ceiling

**Application:** shops, stairways, corridors in shopping centers, vestibules, hotels and restaurants

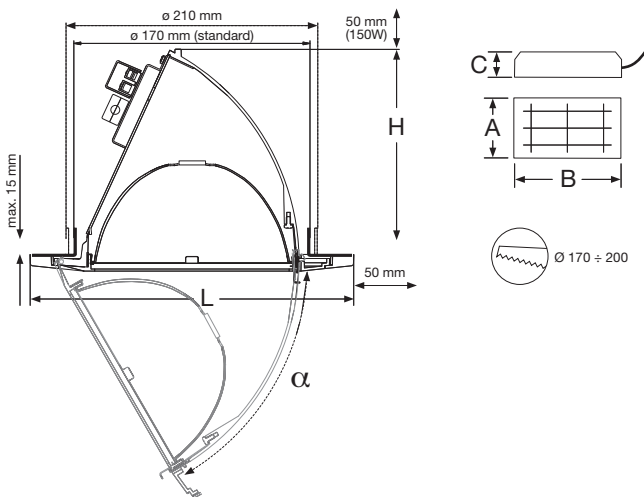
		• Dimensions (mm) •			Mounting hole	Weight Kg
Ø	Ø1	H	L	B1		
188	150	85			152 + 170	0.5
240	195	100			200 + 222	0.7
<b>Power supply unit</b>		140	45	28		

**Downlight LED REPLACES  
COMPACT FLUORESCENT FIXTURES  
2×18 W and 2×26 W**

Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	N°LED
71030	DWL LED PW 155 15W 3000K	15	1 250	83	3 000	>80	A+	36
71031	DWL LED PW 155 15W 4000K	15	1 450	97	4 000	>80	A+	36
71032	DWL LED PW 205 25W 3000K	26	1 950	75	3 000	>80	A+	45
71033	DWL LED PW 205 25W 4000K	26	2 300	89	4 000	>80	A+	45

# DWL LED

## Recessed LED luminaires



### Material:

- body: die-cast aluminum finished by powder technology varnishing
- color: white RAL 9003
- reflector: white polycarbonate angle 70° is supplied with luminaire (polished aluminum angle 16°, 24° and 40° must be ordered separately)
- diffuser: clear tempered glass 3 mm

**Ambient temperature:** -20 ÷ 40°C

**Degree of protection:** optical part IP44, body IP20

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** recessed into ceiling modules

**Accessories: (to be ordered separately)**

1233 – reflector 16° DWL OR

1234 – reflector 24° DWL OR

1235 – reflector 40° DWL OR

19364 – inverter LED IP65 AT/LG 123H

19365 – inverter LED IP65 LGFM 123H

**Application:** lighting for boutiques, shops, fashion saloons, hotels and restaurants

MTBF of power supply\*\* 65 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* 50 000 h (1x150 W) (L80B20)  
60 000 h (1x70 W) (L80B20)

Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C

Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L x A x B x C x H (mm)	α max.	Kg
1x70	D170LOR	DWL LED 1x70W OR INC	32	3 000	100	3 000	>80	A+	233 x 45 x 302 x 30 x 150	60°	2.3
1x150	D1150LOR	DWL LED 1x150W OR INC	55	5 500	100	3 000	>80	A+	233 x 45 x 302 x 30 x 150	60°	2.3

\* Indicative power just for comparison purpose with high pressure lamps.



## ROTATION ANGLE 345° AND TILTING ANGLE 60°



## REFLECTORS 16°, 24°, 40°



**1233** reflector 16° DWL OR

**1234** reflector 24° DWL OR

**1235** reflector 40° DWL OR

to be ordered separately

to be ordered separately

to be ordered separately

## INVERTER LED IP65

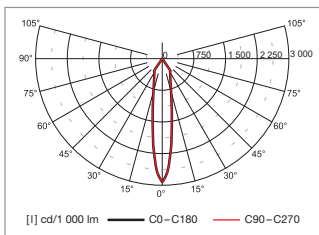


**19364** inverter LED IP65 AT/LG 123H

**19365** inverter LED IP65 LGFM 123H

to be ordered separately

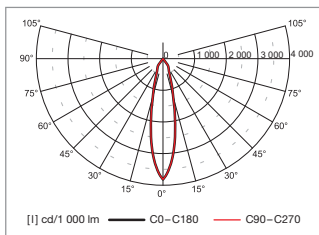
to be ordered separately



I max 70w\* = 10 100 Cd / I max 150w\* = 18 700 Cd

### Beam angle 16°

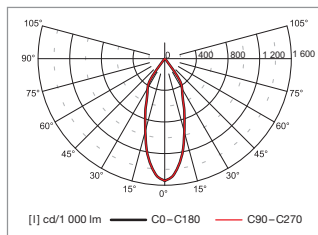
Distance	Diameter	Illuminance
0.5 m	Ø 0.16 m	40 338 lx
1.0 m	Ø 0.32 m	10 084 lx
1.5 m	Ø 0.49 m	4 482 lx
2.0 m	Ø 0.65 m	2 521 lx
2.5 m	Ø 0.81 m	1 614 lx
3.0 m	Ø 0.97 m	1 120 lx



I max 70w\* = 10 100 Cd / I max 150w\* = 18 700 Cd

### Beam angle 24°

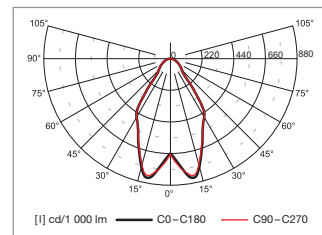
Distance	Diameter	Illuminance
0.5 m	Ø 0.20 m	40 846 lx
1.0 m	Ø 0.40 m	10 212 lx
1.5 m	Ø 0.59 m	4 538 lx
2.0 m	Ø 0.79 m	2 553 lx
2.5 m	Ø 0.99 m	1 634 lx
3.0 m	Ø 1.19 m	1 135 lx



I max 70w\* = 4 950 Cd / I max 150w\* = 9 150 Cd

### Beam angle 40°

Distance	Diameter	Illuminance
0.5 m	Ø 0.34 m	19 774 lx
1.0 m	Ø 0.68 m	4 944 lx
1.5 m	Ø 1.02 m	2 197 lx
2.0 m	Ø 1.35 m	1 236 lx
2.5 m	Ø 1.70 m	791 lx
3.0 m	Ø 2.04 m	549 lx



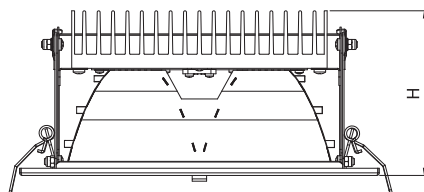
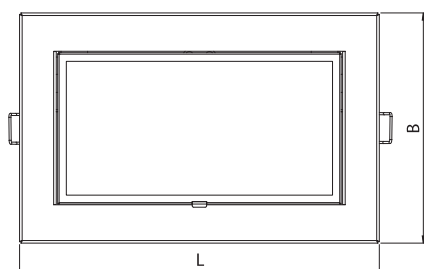
I max 70w\* = 2 200 Cd / I max 150w\* = 4 100 Cd

### Beam angle 70°

Distance	Diameter	Illuminance
0.5 m	Ø 0.65 m	8 826 lx
1.0 m	Ø 1.30 m	2 207 lx
1.5 m	Ø 1.95 m	981 lx
2.0 m	Ø 2.60 m	552 lx
2.5 m	Ø 3.25 m	353 lx
3.0 m	Ø 3.90 m	245 lx

# Wallwasher LED

Recessed LED luminaires – mounting in plaster ceiling



## Material:

- body: steel sheet finished by powder technology varnishing
- color: white RAL 9003
- reflector: symmetric aluminum sheet
- diffuser: tempered glass 3 mm

**Ambient temperature:** -20 ÷ 40°C

**Degree of protection:** IP20 (body in ceiling module) / IP40 (frame to the fixture)

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver

**Mounting:** recessed into plaster ceiling

**Application:** lighting for boutiques, shops, fashion saloons, hotels and restaurants



Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
1×35	101206201	Wall Washer OR LED 20W SY 3K40	31	2 100	68	3 000	85	250 × 160 × 114	2.8
1×70	101206200	Wall Washer OR LED 40W SY 3K40	43	3 800	88	3 000	85	250 × 160 × 114	2.9

\* Indicative power just for comparison purpose with high pressure lamps.





# Industrial LED luminaires







Acciaio LED



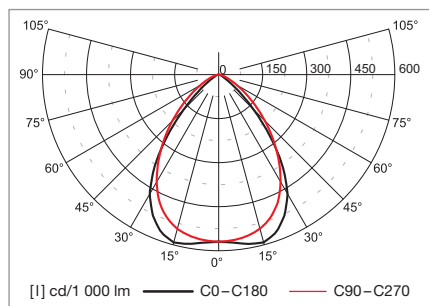
H250/H400 LED

# ACCIAIO<sup>®</sup> Beghelli LED

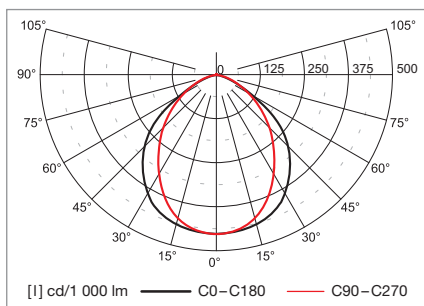
A new concept  
of energy-efficient lighting solutions



Conformity to ATEX DIRECTIVE 94/9/EC  
FOR ZONES 02 AND 22  
ATEX version only for:  
A236LED/A and A258LED/A



**Acciaio A258CLED**



**Acciaio A258LED**

# Acciaio LED

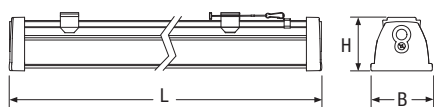
## Industrial LED luminaires



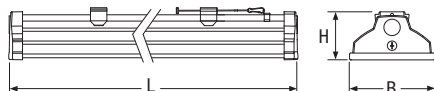
A236LED, A258LED



A236CLED, A258CLED



A236CLED, A258CLED



A236LED, A258LED

### Material:

- body: a steel sheet finished by powder technology varnishing
- end caps: die-cast aluminium with central screw fixing system
- color: gray RAL 7035
- reflector: polished aluminium sheet
- diffuser: special glass

**Ambient temperature:** -20 ÷ 40°C

**Degree of protection:** IP66

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** on ceiling or wall

**Application:** industrial premises, storehouses, production lines, garages, factory halls, farms

### ACCESSORIES: MUST BE ORDERED SEPARATELY

Code	Description	Pcs
A236LED	A236CLED	
A258LED	A258CLED	
<b>20095</b>	<b>20095</b> Light sensor with dimming control depending on daylight (50–100%)	1
	<b>20096</b> external diffuser for wide-beam light distribution	1
<b>14811</b>	<b>14810</b> LED emergency head 1 W, BS, 1 h, NiMH-Battery 7.2 V/0.6 Ah, 180 lm Autotest	1
<b>14813</b>	<b>14812</b> LED emergency head 1 W, BS, 1 h, NiMH-Battery 7.2 V/0.6 Ah, 180 lm Logica	1
<b>14815</b>	<b>14814</b> LED emergency head 1 W, BS, 1 h, NiMH-Battery 7.2 V/0.6 Ah, 180 lm Logica-FM	1
<b>15015</b>	<b>15015</b> adjustable ceiling and wall bracket	1

MTBF of power supply\*\* 65 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* >60 000 h (L80B20)  
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C



The fitting is equipped with tempered prismatic glass diffuser with high transparency which reduces the glares while maintaining the light efficiency.

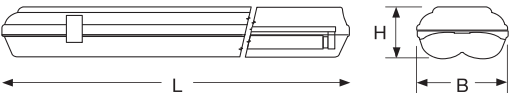
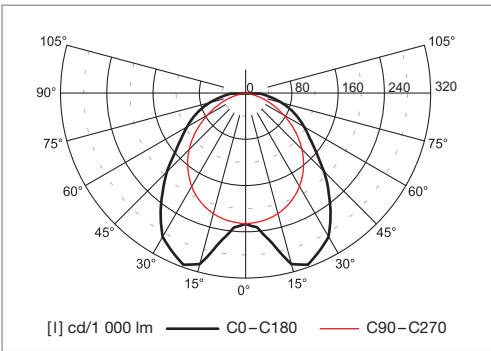
Acciaio LED narrow beam	Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
	2×36	A236CLED	AcciaioLED 96 CONC	41	4 000	98	4 000	>80	A+	1 254 × 110 × 88	4.6
	2×58	A258CLED	AcciaioLED 144 CONC	60	6 000	100	4 000	>80	A+	1 254 × 110 × 88	4.6
Acciaio LED wide-beam	Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
	2×36	A236LED	AcciaioLED 96 DIFF	41	4 000	98	4 000	>80	A+	1 254 × 170 × 88	5.1
	2×58	A258LED	AcciaioLED 144 DIFF	60	6 000	100	4 000	>80	A+	1 254 × 170 × 88	5.1

DALI dimmable version on request. The luminaire can be ordered also in the basic version, which is not possible to equipped with light sensor 20095. Order codes: A236LEDE, A236CLEDE, A258LEDE, A258CLEDE

\* Indicative power just for fluorescent fixtures comparison purpose.

# BS102 LED

## Industrial LED luminaires



MTBF of power supply\*\* 60 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* > 50 000 h (L80B20)  
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C



**Material:**

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: white metal steel sheet
- diffuser: polycarbonate

**Degree of protection:** IP65

**Ambient temperature:** A12-10033C (-20 ÷ 35°C)  
A12-10034C (-20 ÷ 25°C)

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** on ceilings, suspension on chain pendants

**Application:** industrial premises, factory halls, farms, cellars, store houses

The luminaires are supplied including stainless steel clips.  
The luminaires can be used in covered outdoor areas.

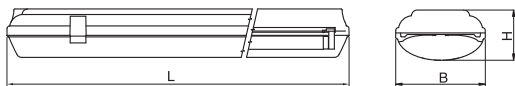
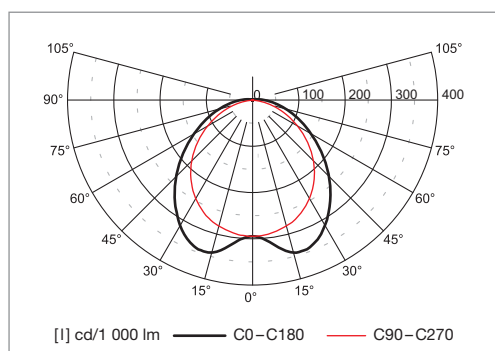
Power* W	Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
2×36	A12-10033C	40	3 500	88	4 000	>80	1 264 × 121 × 82	3.1
2×58	A12-10034C	59	5 400	92	4 000	>80	1 264 × 121 × 82	3.1

DALI dimmable version on request.  
\* Indicative power just for fluorescent fixtures comparison purpose.



# BS100 LED

## Industrial LED luminaires



MTBF of power supply\*\* 65 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* > 60 000 h (L80B20)  
Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C



### Material:

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: aluminium sheet finished by powder technology varnishing
- diffuser: opaline polycarbonate

**Degree of protection:** IP65

**Ambient temperature:** A18-10047C (-20 ÷ 40°C)  
A18-10048C (-20 ÷ 35°C)

**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** on ceilings, suspension on chain pendants

**Application:** industrial premises, factory halls, farms, cellars, store houses

The luminaires are supplied including stainless steel clips.  
The luminaires can be used in covered outdoor areas.

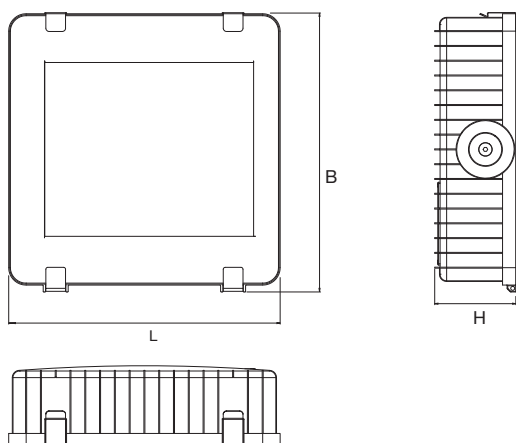
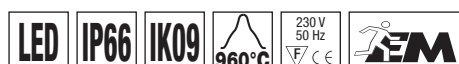
Power* W	Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
2×36	A18-10047C	40	3 500	88	4 000	>80	1 264 × 170 × 95	3.2
2×58	A18-10048C	59	5 200	88	4 000	>80	1 264 × 170 × 95	3.2

DALI dimmable version on request

\* Indicative power just for fluorescent fixtures comparison purpose

# H250/H400 LED

## Highbays LED



MTBF of power supply\*\* 100 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* 50 000 h (1×400 W) (L80B20)  
60 000 h (1×250 W) (L80B20)

Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C



### Material:

- body: die-cast aluminum in grey color RAL 7040
- diffuser: tempered glass 5 mm
- optic system: polished aluminum – wide-beam, narrow beam and elliptic
- clips: stainless steel

**Ambient temperature:** -20 ÷ 40°C

**Degree of protection:** IP66

**Rated voltage:** 230 V AC ±10% 50 Hz  
176–256 V DC

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** surfaced on ceiling or suspended

**Accessories: (to be ordered separately)**

19364 – inverter LED IP65 LG 123H

19365 – inverter LED IP65 LGFM 123H

12659 – adapter for ceiling mounting

12658 – protective grid

**Application:** the luminaire is designed as an alternative to 250W and 400W discharge lamps for areas where lamps replacement is too expensive. Ideal for areas with high installation height of luminaires (manufacturing and industrial halls, sports facilities, multifunctional and exhibition halls, supermarkets and warehouses).

Power* W	Code	Article	Optic	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
250	H250LED	RIF LED 250W DIFF	wide-beam	127	15 000	118	4 000	>80	A+	425 × 413 × 121	7.7
400	H400LED	RIF LED 400W DIFF	wide-beam	230	26 000	113	4 000	>80	A+	425 × 413 × 121	7.7
250	H250CLED	RIF LED 250W CONC	narrow beam	127	15 000	118	4 000	>80	A+	425 × 413 × 121	7.7
400	H400CLED	RIF LED 400W CONC	narrow beam	230	26 000	113	4 000	>80	A+	425 × 413 × 121	7.7
250	H250ELED	RIF LED 250W ELLIT	elliptic beam	127	15 000	118	4 000	>80	A+	425 × 413 × 121	7.7
400	H400ELED	RIF LED 400W ELLIT	elliptic beam	230	26 000	113	4 000	>80	A+	425 × 413 × 121	7.7

\* Indicative power just for discharge lamps comparison purpose.

The luminaire is supplied as standard:

H400 → 208 W

230 W\* This input will be achieved only with resistor supplied in the bag as accessory, see the instruction manual.

\* This el. resistance will enable the achievement of luminous flux (lm), which is listed in the catalog.

# Dimmable DALI version

Power* W	Code	Article	Optic	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
250	HD250LEDDL	RIF LED DALI 250W DIFF	wide-beam	127	15 000	118	4 000	>80	A+	425 × 413 × 121	7.7
400	HD400LEDDL	RIF LED DALI 400W DIFF	wide-beam	230	26 000	113	4 000	>80	A+	425 × 413 × 121	7.7
250	HD250CLEDDL	RIF LED DALI 250W CONC	narrow beam	127	15 000	118	4 000	>80	A+	425 × 413 × 121	7.7
400	HD400CLEDDL	RIF LED DALI 400W CONC	narrow beam	230	26 000	113	4 000	>80	A+	425 × 413 × 121	7.7
250	HD250ELEDDL	RIF LED DALI 250W ELLIT	elliptic beam	127	15 000	118	4 000	>80	A+	425 × 413 × 121	7.7
400	HD400ELEDDL	RIF LED DALI 400W ELLIT	elliptic beam	230	26 000	113	4 000	>80	A+	425 × 413 × 121	7.7

\* Indicative power just for discharge lamps comparison purpose.

## SUSPENDED MOUNTING



## MOUNTING ON ELECTRIFIED RAIL



## SURFACED MOUNTING



12659 adapter for ceiling mounting

to be ordered separately

## EMERGENCY LED INVERTER IP65



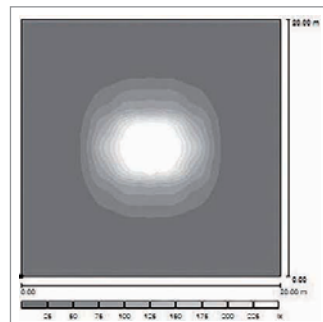
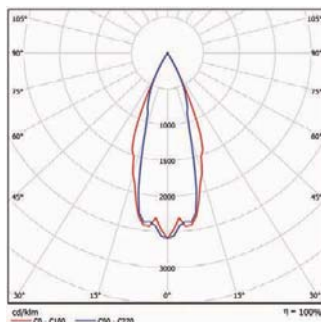
19364 inverter LED IP65 LG 123H

19365 inverter LED IP65 LGFM 123H

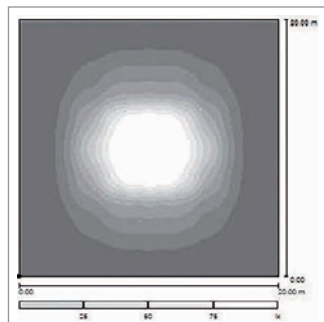
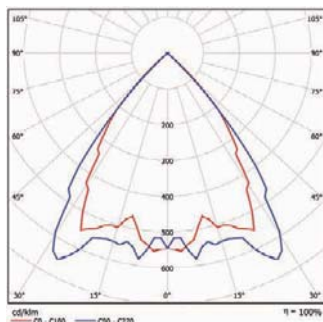
to be ordered separately

to be ordered separately

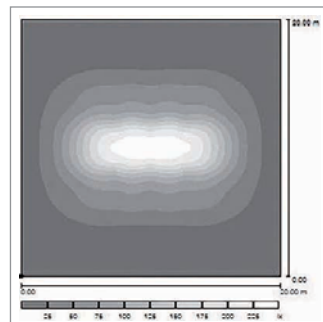
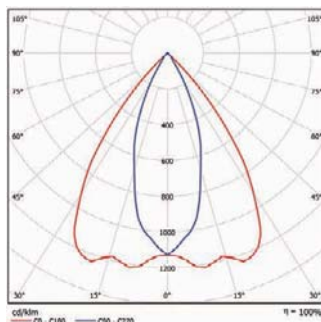
## NARROW-BEAM VERSION



## WIDE-BEAM VERSION

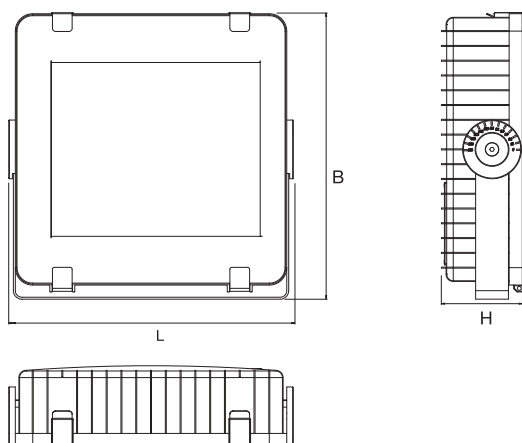
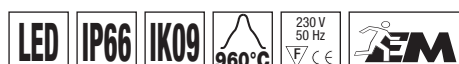


## ELLIPTIC VERSION



# F250/F400 LED

## Floodlights LED



MTBF of power supply\*\* 100 000 h  
(MTBF: Mean Time Between Failures)

Luminous flux decrease:\*\* 50 000 h (1×400 W) (L80B20)  
60 000 h (1×250 W) (L80B20)

Color temp. stability: 3 SDCM

\*\* Applies to ambient temperature 25°C



### Material:

- body: die-cast aluminum in grey color RAL 7040
- diffuser: tempered glass 5 mm
- optic system: polished aluminum – symmetric, asymmetric
- clips: stainless steel

**Ambient temperature:** -20 ÷ 40°C

**Degree of protection:** IP66

**Rated voltage:** 230 V AC ±10% 50 Hz  
176–256 V DC

**Control gear:** LED driver, the luminaires are offered also in emergency version

**Mounting:** on revolving bracket

**Accessories: (to be ordered separately)**

19364 – inverter LED IP65 LG 123H

19365 – inverter LED IP65 LGFM 123H

12658 – protective grid

**Application:** sports facilities, facades of historic buildings, lobbies, airfields, multifunctional halls and other industrial buildings

Power* W	Code	Article	Optic	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
250	F250SLED	PRO LED 250W SM	symmetric	127	15 000	118	4 000	>80	A+	438 × 434 × 121	8.8
400	F400SLED	PRO LED 400W SM	symmetric	230	26 000	113	4 000	>80	A+	438 × 434 × 121	8.8
250	F250ALED	PRO LED 250W AS	asymmetric	127	15 000	118	4 000	>80	A+	438 × 434 × 121	8.8
400	F400ALED	PRO LED 400W AS	asymmetric	230	26 000	113	4 000	>80	A+	438 × 434 × 121	8.8

\* Indicative power just for discharge lamps comparison purpose.

The luminaire is supplied as standard:

F400 → 208 W

230 W\*

This input will be achieved only with resistor supplied in the bag as accessory, see the instruction manual.

\* This el. resistance will enable the achievement of luminous flux (lm), which is listed in the catalog.



### Dimmable DALI version

Power* W	Code	Article	Optic	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC	L × B × H (mm)	Kg
250	FD250SLEDDL	PRO LED DALI 250W SM	symmetric	127	15 000	118	4 000	>80	A+	438 × 434 × 121	8.8
400	FD400SLEDDL	PRO LED DALI 400W SM	symmetric	230	26 000	113	4 000	>80	A+	438 × 434 × 121	8.8
250	FD250ALEDDL	PRO LED DALI 250W AS	asymmetric	127	15 000	118	4 000	>80	A+	438 × 434 × 121	8.8
400	FD400ALEDDL	PRO LED DALI 400W AS	asymmetric	230	26 000	113	4 000	>80	A+	438 × 434 × 121	8.8

\* Indicative power just for discharge lamps comparison purpose.

### MOUNTING ON GROUND



### MOUNTING ON WALL



### REVOLVING BRACKET



### PROTECTIVE GRID



**12658** Protective grid



to be ordered separately

### EMERGENCY LED INVERTER IP65



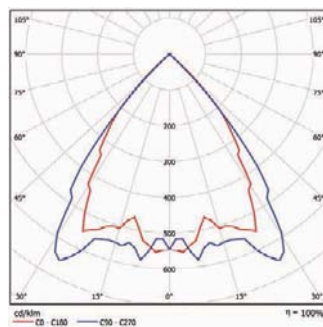
**19364** inverter LED IP65 LG 123H

**19365** inverter LED IP65 LGFM 123H

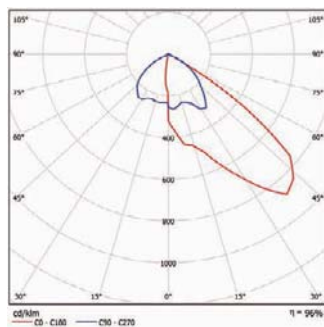


to be ordered separately  
to be ordered separately

### SYMMETRIC VERSION

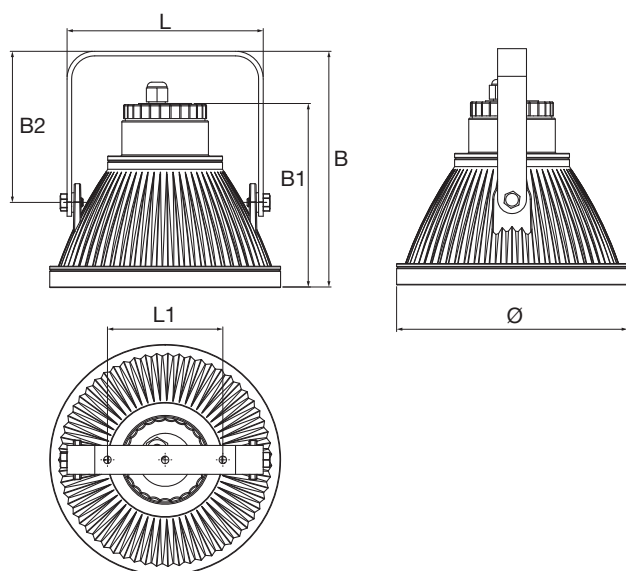
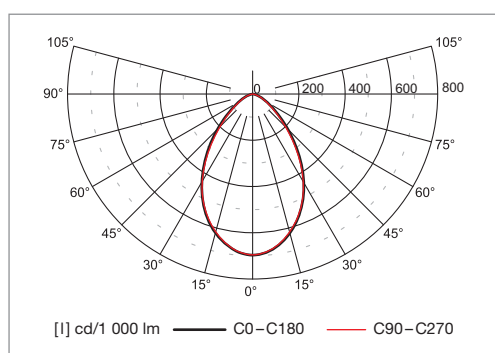


### ASYMMETRIC VERSION



# MultiBay LED 50

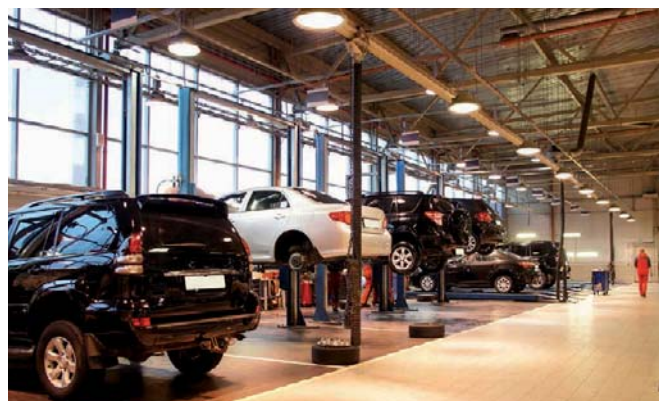
Multifunction LED spotlight



**MultiBay 50 REPLACES  
150W  
HALOGEN FLOODLIGHT**

Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC
1x150	76301	HMF LED 50	47	3 250	69	4 000	>80	A

\* Indicative power just for tungsten halogen lamps comparison purpose.



## Material:

- body: aluminum casting
- color: grey RAL 7040
- reflector: aluminum, white painted
- diffuser: frosted tempered glass

**Degree of protection:** IP65

**Ambient temperature:** -20 ÷ 40°C

**Rated voltage:** 220/240 V – 50/60 Hz

**Control gear:** LED driver

**Service life:** 35 000 hours

**Mounting:** wall or pendant mounting, with spike into the ground

**Accessories (supplied with):**

- bracket for wall mounting (1 pc)
- spike for mounting into the ground
- wire pendant

**Application:** industrial buildings, manufacturing facilities, exhibition and multifunctional halls, gardens and storage space

W*	• Dimensions (mm) •						N° LED	Weight Kg
	Ø	B	B1	B2	L	L1		
150	200	204	159	131	170	100	126	1.8

\* Indicative power just for tungsten halogen lamps comparison purpose.

## SUSPENDED MOUNTING



## MOUNTING ON REVOLVING BRACKET ON WALL/CEILING



## MOUNTING WITH SPIKE INTO THE GROUND

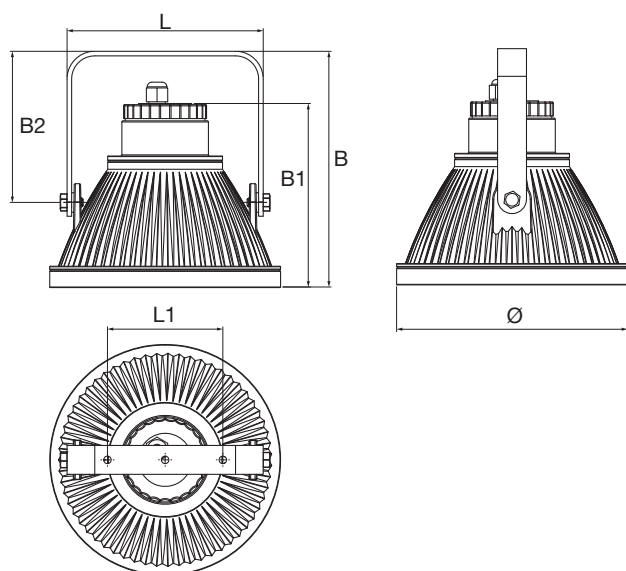
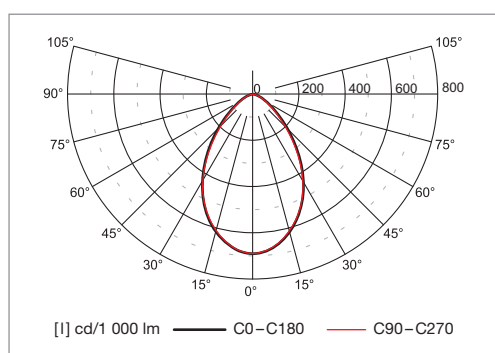


## APPLICATION ON CONSTRUCTION SITE



# MultiBay LED 100

Multifunction LED spotlight



**MultiBay 100 REPLACES  
300W  
HALOGEN FLOODLIGHT**



## Material:

- body: aluminum casting
- color: grey RAL 7040
- reflector: aluminum, white painted
- diffuser: frosted tempered glass

**Degree of protection:** IP65

**Ambient temperature:** -20 ÷ 40°C

**Rated voltage:** 220/240 V – 50/60 Hz

**Control gear:** LED driver

**Service life:** 35 000 hours

**Mounting:** wall or pendant mounting, with spike into the ground

**Accessories (supplied with):**

- bracket for wall mounting (1 pc)
- spike for mounting into the ground
- wire pendant

**Application:** industrial buildings, manufacturing facilities, exhibition and multifunctional halls, gardens and storage space

W*	• Dimensions (mm) •						N° LED	Weight Kg
	Ø	B	B1	B2	L	L1		
300	305	345	286	205	235	100	150	4.8

\* Indicative power just for tungsten halogen lamps comparison purpose.

## SUSPENDED MOUNTING



## MOUNTING ON REVOLVING BRACKET ON WALL/CEILING



## MOUNTING WITH SPIKE INTO THE GROUND



## APPLICATION ON CONSTRUCTION SITE

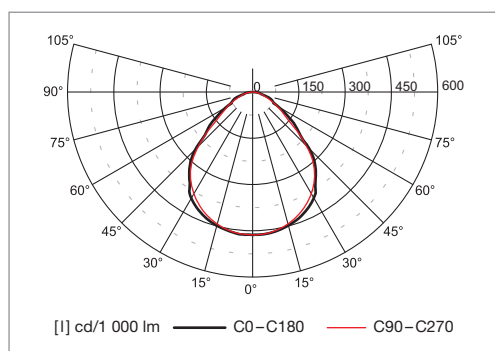


Power* W	Code	Article	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	EEC
1×300	76302	HMF LED 100	105	6 800	62	4 000	>80	A

\* Indicative power just for tungsten halogen lamps comparison purpose.

# Aterix LED

## Industrial LED luminaire – gas station lighting



### Material:

- body: steel sheet finished by powder technology varnishing
- color: white
- diffuser: microprismatic optics or semi-matted tempered glass

**Ambient temperature:**  $-20 \div 25^{\circ}\text{C}$

**Degree of protection:** IP65

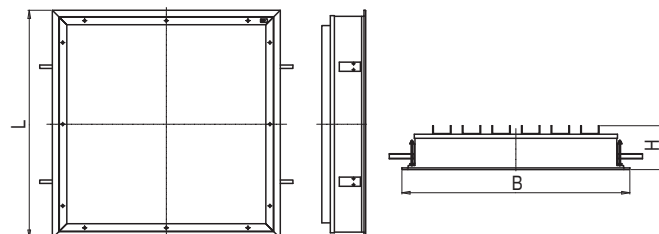
**Rated voltage:** 230 V/50 Hz

**Control gear:** LED driver

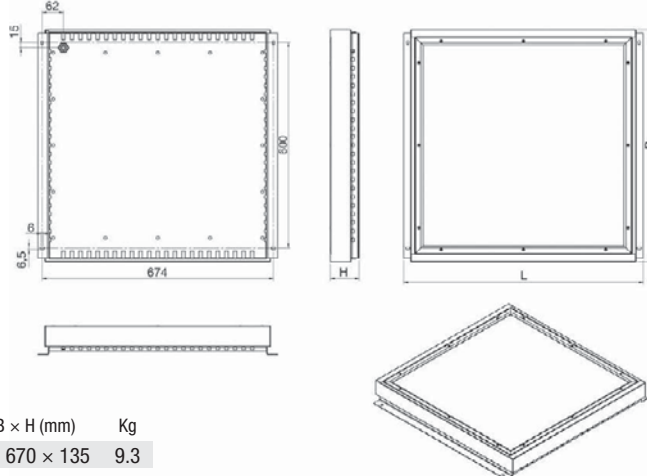
**Mounting:** surfaced on ceiling or recessed into ceiling

**Application:** gas stations, under canopy lighting for retail gas industry

### Recessed version



### Surfaced version



### Aterix LED – recessed version

Power* W	Code	Lum. flux (lm)	Absorption W	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
1×70	A19-10050CF	4 500	62	73	4 000	>80	670 × 670 × 135	9.3
1×150	A19-10051CF	9 000	124	73	4 000	>80	670 × 670 × 135	9.6
1×250	A19-10052CF	13 500	186	73	4 000	>80	670 × 670 × 135	9.9
1×70	A19-10050CW	4 470	62	72	4 000	>80	670 × 670 × 135	9.0
1×150	A19-10051CW	8 930	124	72	4 000	>80	670 × 670 × 135	9.3
1×250	A19-10052CW	13 400	186	72	4 000	>80	670 × 670 × 135	9.5

### Aterix LED – surfaced version

Power* W	Code	Lum. flux (lm)	Absorption W	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
1×70	A19-10053CF	4 910	62	79	4 000	>80	698 × 677 × 84	11.3
1×150	A19-10054CF	9 830	124	79	4 000	>80	698 × 677 × 84	11.6
1×250	A19-10055CF	14 740	186	79	4 000	>80	698 × 677 × 84	11.9
1×70	A19-10053CW	4 940	62	80	4 000	>80	698 × 677 × 84	11.0
1×150	A19-10054CW	9 890	124	80	4 000	>80	698 × 677 × 84	11.3
1×250	A19-10055CW	14 830	186	80	4 000	>80	698 × 677 × 84	11.5

\* Indicative power just for metalhalide lamps comparison purpose

F – semi-matted tempered glass

W – micro-prism optic system





# Emergency LED luminaires & inverters







Logica LED



Indica LED 20m



Pluraluce LED

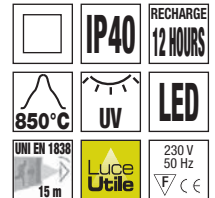
# Aestetica LED

Emergency lighting fixture and fixture with exit sign that meets international safety standards using the latest LED technology. Highly efficient optical system and very easy installation rank these fixtures among the most cost-effective lighting products on the market. Thanks to IP40 and the construction of durable polycarbonate fixture Aestetica LED is suitable for general use in interior areas and demanding operating conditions.



W**	• Dimensions (mm) •			Source
	L	B	H	
6-8-11-24	292	102	36.8	LED

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

Visible distance	
Exit sign	15 m
Exit sign Bandiera	20 m



## ACCESSORIES: TO BE ORDERED SEPARATELY

Code	Description	Pcs
<b>4266</b>	holders for recessed mounting	1
<b>4265</b>	bracket for flag installation on wall	1
<b>3733</b>	recessed box into the wall	1
<b>16230</b>	exit sign right	1
<b>16231</b>	exit sign left	1
<b>16232</b>	exit sign down	1
<b>4267</b>	 exit sign left, right Bandiera	1
<b>4268</b>	 exit sign down Bandiera	1

## German standard

<b>16233</b>	exit sign LEFT / RIGHT Bandiera	1
<b>16234</b>	exit sign DOWN Bandiera	1
<b>16235</b>	exit sign RIGHT	1
<b>16236</b>	exit sign LEFT	1
<b>16237</b>	exit sign DOWN	1

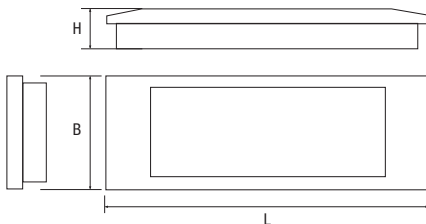
## Technical data

Mounting: on ceiling or wall,  
recessed mounting

Body and reflector:  
white polycarbonate

Diffuser: clear plastic

Rated voltage:  
230 V / 50 Hz



W	Code	Article	Duration	Battery	LED	Lum. flux SE	Absorption W	Kg	Pckg/pcs
6	<b>16220</b>	6 W SE 1H	1 h	NiMH 3.6 V 1.2 Ah	10 pcs	75 lm	0.7	0.5	12
8	<b>16221</b>	8 W SE 1H	1 h	NiMH 3.6 V 1.2 Ah	16 pcs	120 lm	0.7	0.5	12
11	<b>16222</b>	11 W SE 1H	1 h	NiMH 3.6 V 1.2 Ah	20 pcs	150 lm	0.7	0.5	12
11	<b>16223</b>	11 W SA 1H	1 h	NiMH 3.6 V 1.2 Ah	20 pcs	150 lm (SE) / 75 lm (SA)	1.6	0.5	12
24	<b>16224</b>	24 W SE 1H	1 h	NiMH 3.6 V 1.2 Ah	32 pcs	240 lm	0.9	0.6	12





# Design Tech LED



**New**

Very flexible hi-tech LED emergency fixture and emergency fixture with exit-sign in an attractive design. With its asymmetrical and extremely uniform illumination fixture can be installed on a wall, ceiling, or recessed (double-sided). Polycarbonate housing includes a special optical system made of aluminum (99.99%), which connects two rows of ultra-power LEDs (more than 100 lm/W). Tempered glass diffuser has a metal frame with a glossy finish for especially attractive design. Pre-drilled inputs on the outer cover for direct mounting. Available in double-sided version for mounting on walls and ceiling.

## Technical data

Mounting: on ceiling or wall, recessed mounting with box

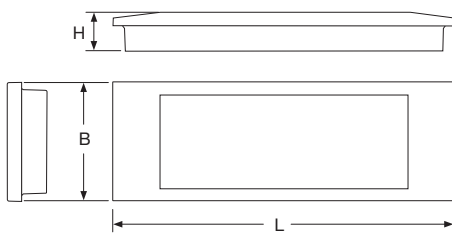
Body: polycarbonate

Reflector: aluminum, symmetric

Diffuser: high transparent tempered glass

Rated voltage: 230 V/50 Hz

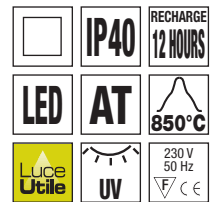
Specification: available in SA (Maintained) and SE (Non maintained)



W**	• Dimensions (mm) •			Lamp
	L	B	H	
6-8-11-24	292	102	36.8	LED

\*\*Indicative power just for fluorescent fixtures comparison purpose

Visible distance	
Exit sign	15 m
Exit sign Bandiera	20 m



## ACCESSORIES: PROVIDED WITH

Code	Description	Pc
<b>3733</b>	recessed box into the wall	1
<b>4278</b>	adhesive legends left/right/down (except for version SE)	1

## ACCESSORIES: TO BE ORDERED SEPARATELY

Code	Description	Pc
<b>4266</b>	holders for recessed mounting	1
<b>4277</b>	wall bracket (double-sided version)	1
<b>4278</b>	adhesive legends left/right/down	1

AT

AutoTest

	W	Code	Article	Version	Autonomy	Battery	LED	Lum. flux SE*	Lum. flux SA*	Absorption W	Kg	Pckg/pcs
	6	<b>4270</b>	DESIGN LED TECH AT 6W SE 1N	SE	1 h	NiCd 4.8 V 0.75 Ah	10 pcs	82 lm	—	0.7	0.5	12
	8	<b>4271</b>	DESIGN LED TECH AT 8W SE 1N	SE	1 h	NiCd 4.8 V 0.75 Ah	16 pcs	131 lm	—	0.7	0.5	12
	11	<b>4272</b>	DESIGN LED TECH AT 11W SE 1N	SE	1 h	NiCd 4.8 V 0.75 Ah	20 pcs	164 lm	—	0.7	0.5	12
	11	<b>4273</b>	DESIGN LED TECH AT 11W SA 1N	SA	1 h	NiCd 4.8 V 0.75 Ah	20 pcs	164 lm	70 lm	1.6	0.5	12
	24	<b>4274</b>	DESIGN LED TECH AT 24W SE 1N	SE	1 h	NiCd 4.8 V 0.75 Ah	32 pcs	262 lm	—	0.9	0.6	12

\* Guaranteed minimum luminous flux according to EN 60598-2-22

AT – double-sided version Bandiera

AutoTest

	W	Code	Article	Version	Autonomy	Battery	LED	Lum. flux SE*	Lum. flux SA*	Absorption W	Kg	Pckg/pcs
	11	<b>4275 B</b>	DESIGN TECH AT 11W SA 1N DX/SX	SA	1 h	NiCd 4.8 V 0.75 Ah	20 pcs	164 lm	70 lm	1.6	0.8	4
	11	<b>4276 B</b>	DESIGN TECH AT 11W SA 1N BASSO	SA	1 h	NiCd 4.8 V 0.75 Ah	20 pcs	164 lm	70 lm	1.6	0.8	4

\* Guaranteed minimum luminous flux according to EN 60598-2-22

## WALL MOUNTING WITH BUBBLE LEVEL



– bubble level

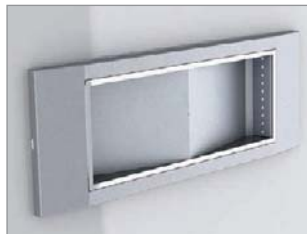


supplied with the fixture

## CEILING MOUNTING



## RECESSED BOX INTO WALL



**3733** recessed box



supplied with the fixture

## RECESSED MOUNTING IN CEILING MODULE



**4266** holders for recessed mounting



Mounting hole: 279 × 94 mm

to be ordered separately

## RECESSED MOUNTING IN CEILING MODULE – DOUBLE-SIDED VERSION



**4266** holders for recessed mounting



Mounting hole: 279 × 94 mm

to be ordered separately

## WALL DOUBLE-SIDED MOUNTING



**4277** wall bracket



to be ordered separately





# Formula65 LED



LED emergency lighting fixture and fixture with adhesive legend which complies with international safety standards using the latest LED technology. Thanks to high protection IP65 and durable polycarbonate construction fixture is suitable for use in demanding operating conditions. Highly efficient optical system and very easy installation rank these fixtures among the most cost-effective lighting products on the market. Inside the body made of a white polycarbonate are two series of high-performance LEDs (greater than 100 lm/W).

## Technical data

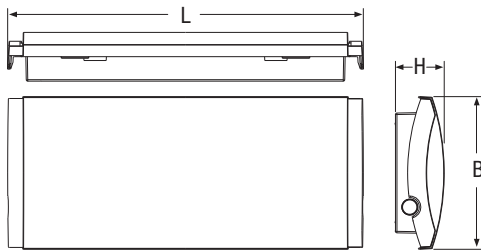
Mounting: on ceiling or wall, with recessed box

Rated voltage: 230 V/50 Hz

Body: self-snuffing plastic (standard EN 60598-1, UL 94)

Specification: available in SA (Maintained) and SE (Non maintained)

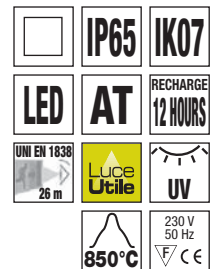
Diffuser: polycarbonate



W**	• Dimensions (mm) •			Source
L	B	H		
6-8-11-24	354	152	48.5	LED

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

Visible distance	
Adhesive legend	26 m
Exit sign	28 m



## ACCESSORIES: PROVIDED WITH

Code	Description	Pcs
<b>19040</b>	recessed box with frame	1
<b>19044*</b>	adhesive legends left/right/down	1

\* Adhesive legends are provided for SA (Maintained) version only.

## ACCESSORIES: TO BE ORDERED SEPARATELY

Code	Description	Pcs
<b>19041</b>	false ceiling bracket	1
<b>19042</b>	exit sign LEFT, RIGHT Bandiera	1
<b>19043</b>	exit sign DOWN Bandiera	1
<b>19044</b>	adhesive legends LEFT/RIGHT/DOWN	1
<b>19045</b>	bracket for flag installation on wall	1

## WALL MOUNTING WITH BUBBLE LEVEL



**19040** recessed box with frame, supplied with the fixture

## CEILING MOUNTING



## RECESSED MOUNTING



**19040** recessed box with frame, supplied with the fixture

## DOUBLE-SIDED FLAG MOUNTING ON WALL



**19045** bracket for flag installation on wall  
**19042** exit sign LEFT, RIGHT Bandiera  
**19043** exit sign DOWN Bandiera

to be ordered separately  
to be ordered separately  
to be ordered separately



## FALSE CEILING RECESSED MOUNTING



**19041** false ceiling bracket



to be ordered separately

## FALSE CEILING RECESSED DOUBLE-SIDED MOUNTING



**19041** false ceiling bracket

**19042** exit sign LEFT, RIGHT Bandiera

**19043** exit sign DOWN Bandiera











to be ordered separately

to be ordered separately









to be ordered separately

## AutoTest

	W	Code	Article	Version	Duration	Battery	LED	Flow* SE lm	Flow* SA lm	Absorption W	Kg	Pckg / pcs
	6	<b>19220</b>	F65 LED 6 W IP65 AT SE 1H/RM	SE	1 h	NiCd 4.8 V 0.75 Ah	10 pcs	70 lm	–	0.7	0.4	12
	6	<b>19221</b>	F65 LED 6 W IP65 AT SE 3H/RM	SE	3 h	NiMH 4.8 V 1.7 Ah	10 pcs	70 lm	–	1.5	0.4	12
	8	<b>19222</b>	F65 LED 8 W IP65 AT SE 1H/RM	SE	1 h	NiCd 4.8 V 0.75 Ah	16 pcs	112 lm	–	0.7	0.6	12
	8	<b>19223</b>	F65 LED 8 W IP65 AT SE 3H/RM	SE	3 h	NiMH 4.8 V 1.7 Ah	16 pcs	112 lm	–	1.5	0.6	12
	8	<b>19224</b>	F65 LED 8 W IP65 AT SA 1H/RM	SA	1 h	NiCd 4.8 V 0.75 Ah	16 pcs	112 lm	56 lm	1.4	0.6	12
	8	<b>19225</b>	F65 LED 8 W IP65 AT SA 3H/RM	SA	3 h	NiMH 4.8 V 1.7 Ah	16 pcs	112 lm	56 lm	2.7	0.6	12
	11	<b>19226</b>	F65 LED 11 W IP65 AT SE 1H/RM	SE	1 h	NiCd 4.8 V 0.75 Ah	20 pcs	140 lm	–	0.7	0.6	12
	11	<b>19227</b>	F65 LED 11 W IP65 AT SE 3H/RM	SE	3 h	NiMH 4.8 V 1.7 Ah	20 pcs	140 lm	–	1.5	0.6	12
	11	<b>19228</b>	F65 LED 11 W IP65 AT SA 1H/RM	SA	1 h	NiCd 4.8 V 0.75 Ah	20 pcs	140 lm	70 lm	1.6	0.6	12
	11	<b>19229</b>	F65 LED 11 W IP65 AT SA 3H/RM	SA	3 h	NiMH 4.8 V 1.7 Ah	20 pcs	140 lm	70 lm	2.9	0.6	12
	24	<b>19230</b>	F65 LED 24 W IP65 AT SE 1H/RM	SE	1 h	NiCd 2× 4.8 V 0.75 Ah	32 pcs	224 lm	–	0.9	0.8	12
	24	<b>19231</b>	F65 LED 24 W IP65 AT SE 3H/RM	SE	3 h	NiMH 2× 4.8 V 1.7 Ah	32 pcs	224 lm	–	2.2	0.8	12
	24	<b>19232</b>	F65 LED 24 W IP65 AT SA 1H/RM	SA	1 h	NiCd 2× 4.8 V 0.75 Ah	32 pcs	224 lm	112 lm	2	0.8	12
	24	<b>19233</b>	F65 LED 24 W IP65 AT SA 3H/RM	SA	3 h	NiMH 2× 4.8 V 1.7 Ah	32 pcs	224 lm	112 lm	3.7	0.8	12

\* Guaranteed minimum luminous flux according to EN 60598-2-22

## Standard

	W	Code	Article	Version	Duration	Battery	LED	Flow* SE lm	Flow* SA lm	Absorption W	Kg	Pckg / pcs
	6	<b>19200</b>	F65 LED 6 W IP65 SE 1H	SE	1 h	NiCd 4.8 V 0.75 Ah	10 pcs	70 lm	–	0.7	0.4	12
	6	<b>19201</b>	F65 LED 6 W IP65 SE 3H	SE	3 h	NiMH 4.8 V 1.7 Ah	10 pcs	70 lm	–	1.5	0.4	12
	8	<b>19202</b>	F65 LED 8 W IP65 SE 1H	SE	1 h	NiCd 4.8 V 0.75 Ah	16 pcs	112 lm	–	0.7	0.6	12
	8	<b>19203</b>	F65 LED 8 W IP65 SE 3H	SE	3 h	NiMH 4.8 V 1.7 Ah	16 pcs	112 lm	–	1.5	0.6	12
	8	<b>19204</b>	F65 LED 8 W IP65 SA 1H	SA	1 h	NiCd 4.8 V 0.75 Ah	16 pcs	112 lm	56 lm	1.4	0.6	12
	8	<b>19205</b>	F65 LED 8 W IP65 SA 3H	SA	3 h	NiMH 4.8 V 1.7 Ah	16 pcs	112 lm	56 lm	2.7	0.6	12
	11	<b>19206</b>	F65 LED 11 W IP65 SE 1H	SE	1 h	NiCd 4.8 V 0.75 Ah	20 pcs	140 lm	–	0.7	0.6	12
	11	<b>19207</b>	F65 LED 11 W IP65 SE 3H	SE	3 h	NiMH 4.8 V 1.7 Ah	20 pcs	140 lm	–	1.5	0.6	12
	11	<b>19208</b>	F65 LED 11 W IP65 SA 1H	SA	1 h	NiCd 4.8 V 0.75 Ah	20 pcs	140 lm	70 lm	1.6	0.6	12
	11	<b>19209</b>	F65 LED 11 W IP65 SA 3H	SA	3 h	NiMH 4.8 V 1.7 Ah	20 pcs	140 lm	70 lm	2.9	0.6	12
	24	<b>19210</b>	F65 LED 24 W IP65 SE 1H	SE	1 h	NiCd 2× 4.8 V 0.75 Ah	32 pcs	224 lm	–	0.9	0.8	12
	24	<b>19211</b>	F65 LED 24 W IP65 SE 3H	SE	3 h	NiMH 2× 4.8 V 1.7 Ah	32 pcs	224 lm	–	2.2	0.8	12
	24	<b>19212</b>	F65 LED 24 W IP65 SA 1H	SA	1 h	NiCd 2× 4.8 V 0.75 Ah	32 pcs	224 lm	112 lm	2	0.8	12
	24	<b>19213</b>	F65 LED 24 W IP65 SA 3H	SA	3 h	NiMH 2× 4.8 V 1.7 Ah	32 pcs	224 lm	112 lm	3.7	0.8	12

\* Guaranteed minimum luminous flux according to EN 60598-2-22

# Logica LED



## Technical data

Mounting: on ceiling or wall, recessed mounting

Body: self-snuffing plastic (standard EN 60598-1, UL 94)

Degree of protection: IP65

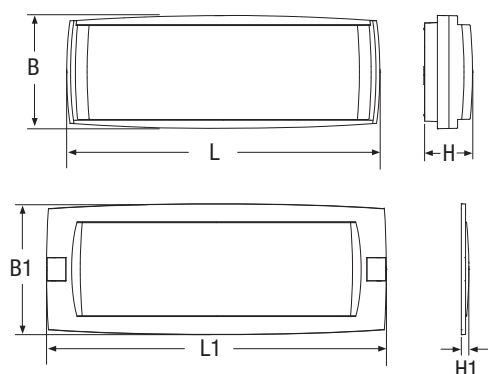
Rated voltage: 230 V/50 Hz

Specification: available in SA (Maintained) and SE (Non maintained), PS (with reduced lighting output)

This emergency luminaire features an extremely sophisticated electronic technology. The Logica LED is the only emergency luminaire supplied as a centralised version (LG, LGFM), with the Autotest (AT) version automatically configuring if it is not connected to a control unit. Individual luminaires can also be manually tested, using a magnet with the magnetic switch below the screen.

This technology makes it possible to immediately test luminaire efficiency. The circuit also allows for the fixture to be customised to requirements. Duration can be adjusted, (1h/2h/3h) and Maintained versions can be changed to Public venue versions, adjusting light intensity to the venue requirements. This provides an excellent solution when safety signs are the only objects that are visible. The sign must be immediately identifiable, stylish, minimal and with uniform components. A symmetrical and extremely uniform illumination make the Logica LED ideal for wall or ceiling mounting, without an established direction, or for recessed mounting, with the kit provided that includes a box and wire cover.

The housing contains a dual reflection optic which integrates two series of ultraefficient LEDs to deliver an unprecedented lighting performance (up to 600 lm). The highly transparent polycarbonate screen has been designed to seal the optical unit and provide an IP rating of IP65.



W**	• Dimensions (mm) •						Source
	L	B	H	L1	B1	H1	
8	406	147	63	440	170	10	LED
11	406	147	63	440	170	10	LED
24	406	147	63	440	170	10	LED

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



## ACCESSORIES: PROVIDED WITH

Code	Description	Pcs
—	Logica tube clamp	1
12198	Recessed box IP65 with wire cover frame	1
12199	Bracket for quick wall mounting	1
12175*	Logica RIGHT screen	1
12176*	Logica LEFT screen	1
12177*	Logica DOWN screen	1

\* only for SA/PS versions

## ACCESSORIES: TO BE ORDERED SEPARATELY

Code	Description	Pcs
12194	Logica lamp grille	1
12193	Logica false ceiling bracket	1
12175	Logica RIGHT screen	1
12176	Logica LEFT screen	1
12177	Logica DOWN screen	1

**[LOGICA]**

(AT if not connected to a control unit)

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
8	12182	LOG LED LG 8 W SE 2/4/6H	SE	2/4/6 h	Pb 6 V 4 Ah	30 pcs	600/300/200 lm	—	3	2.4	6
8	12185	LOG LED LG 8 W SA/PS 2/4/6H	SA/PS	2/4/6 h	NiCd 7.2 V 2.2 Ah	30 pcs	600/300/200 lm	400 lm	3/13	2.4	6
11	12183	LOG LED LG 11 W SE 1/2/3H	SE	1/2/3 h	Pb 6 V 4 Ah	30 pcs	800/400/265 lm	—	3	2.4	6
11	12186	LOG LED LG 11 W SA/PS 1/2/3H	SA/PS	1/2/3 h	NiCd 7.2 V 2.2 Ah	30 pcs	800/400/265 lm	500 lm	3/14	2.4	6
24	12184	LOG LED LG 24 W SE 1/2/3H	SE	1/2/3 h	Pb 6 V 4 Ah	30 pcs	1 000/500/330 lm	—	3	2.4	6
24	12187	LOG LED LG 24 W SA/PS 1/2/3H	SA/PS	1/2/3 h	NiCd 7.2 V 2.2 Ah	30 pcs	1 000/500/330 lm	600 lm	3/16	2.4	6

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

**[LOGICA]***fm*

(AT if not connected to a control unit)

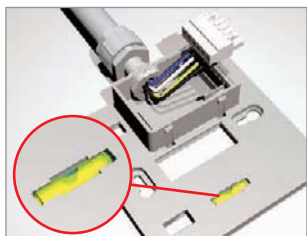
W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
8	12182FM	LOG LED LGFM 8 W SE 2/4/6H	SE	2/4/6 h	Pb 6 V 4 Ah	30 pcs	600/300/200 lm	—	4/14	2.4	6
8	12185FM	LOG LED LGFM 8 W SA/PS 2/4/6H	SA/PS	2/4/6 h	NiCd 7.2 V 2.2 Ah	30 pcs	600/300/200 lm	400 lm	14	2.4	6
11	12183FM	LOG LED LGFM 11 W SE 1/2/3H	SE	1/2/3 h	Pb 6 V 4 Ah	30 pcs	800/400/265 lm	—	4/15	2.4	6
11	12186FM	LOG LED LGFM 11 W SA/PS 1/2/3H	SA/PS	1/2/3 h	NiCd 7.2 V 2.2 Ah	30 pcs	800/400/265 lm	500 lm	15	2.4	6
24	12184FM	LOG LED LGFM 24 W SE 1/2/3H	SE	1/2/3 h	Pb 6 V 4 Ah	30 pcs	1 000/500/330 lm	—	4/17	2.4	6
24	12187FM	LOG LED LGFM 24 W SA/PS 1/2/3H	SA/PS	1/2/3 h	NiCd 7.2 V 2.2 Ah	30 pcs	1 000/500/330 lm	600 lm	17	2.4	6

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

#### WALL MOUNTING WITH QUICK-FIT BRACKET AND BUBBLE LEVEL



**12199** bracket for quick wall mounting



provided with

#### MAGNETIC SWITCH FOR LOCAL MANUAL DIAGNOSIS



– REED bulb and magnetic key



provided with

#### RECESSED MOUNTING



**12198** LOGICA IP65 recessed box



recessed mounting hole:  
430 × 165 mm

provided with

#### FALSE CEILING AND PLASTERBOARD MOUNTING



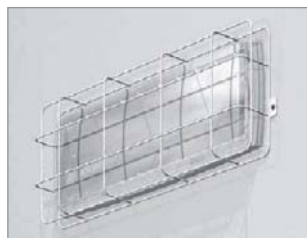
**12193** Logica false ceiling bracket



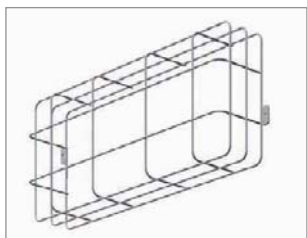
414 × 150 mm

to be ordered separately

#### LOGICA LUMINAIRE GRID



**12194** Logica lamp grille



to be ordered separately

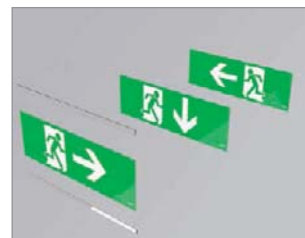
#### LOGICA SCREENS



**12175** Logica PS RIGHT screen

**12176** Logica PS LEFT screen

**12177** Logica PS DOWN screen



to be ordered separately

to be ordered separately

to be ordered separately





# Indica LED 20m

Emergency LED luminaire with exit sign and new optical system Back Light with high efficiency. The device is versatile due to universal bracket that allows for several types of installation. Moreover, it is available in single-sided version for installation above door. The luminaire is equipped with exit sign opal pane and ensures high luminosity (more than 500 cd/m²). The luminaire is capable of performing self-control autotests or to be managed by Logica control unit. Duration 1–2–3 hrs.

## Technical data

Mounting: on wall or ceiling with bracket, recessed mounting into the wall, suspended mounting on wire or tube pendants

Material: aluminium frame and polycarbonate bracket RAL 7035

New optical system with high efficiency.

Degree of protection: IP42

Rated voltage: 230 V/50 Hz

Specification: available in SA (Maintained)/PS (with reduced light output)

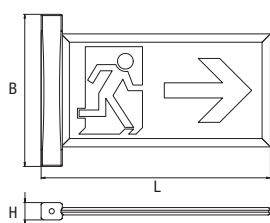


## ACCESSORIES: PROVIDED WITH

Code	Description
—	screen LEFT/RIGHT/DOWN

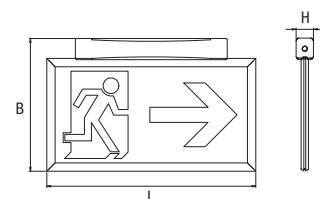
## ACCESSORIES: TO BE ORDERED SEPARATELY

Code	Description
<b>19380</b>	tube pendants 250 mm Indica DF
<b>19381</b>	tube pendants 500 mm Indica DF
<b>19382</b>	tube pendants 1 000 mm Indica DF
<b>19383</b>	Indica DF 2 m wire suspension
<b>19384</b>	20 m false ceiling recessed bracket



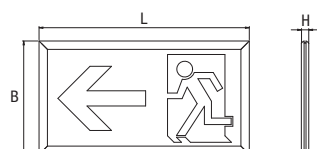
## Wall double-sided version

DV	• Dimensions (mm) •		
	L	B	H
20	266	252	36



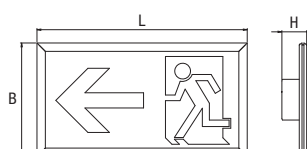
## Ceiling double-sided version

DV	• Dimensions (mm) •		
	L	B	H
20	235	166	36



## Recessed single-sided version

DV	• Dimensions (mm) •		
	L	B	H
20	235	135	15



## Wall single-sided version

DV	• Dimensions (mm) •		
	L	B	H
20	235	135	38

## AutoTest

Double-sided version **IP41**

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
2.1	<b>19303</b>	Indica LED DF20M AT SA 1/H	SA	1 h	NiMH 7.2 V 0.6 Ah	32 pcs	192 lm	115 lm	3.5	0.52	6

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

## [LOGICA]

Double-sided version

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
2.1	<b>19305</b>	Indica LED DF20M LG SA/PS 1/2/3H	SA/PS	1/2/3 h	NiMH 7.2 V 0.6 Ah	32 pcs	192/96/64 lm	115 lm	3.5	0.52	6

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

## [LOGICA]fm

Double-sided version **IP41**

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
2.1	<b>19307</b>	Indica LED DF20M LGFM SA/PS 1/2/3H	SA/PS	1/2/3 h	NiMH 7.2 V 0.6 Ah	32 pcs	192/96/64 lm	115 lm	3.5	0.52	6

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



## WALL DOUBLE-SIDED MOUNTING



## CEILING DOUBLE-SIDED MOUNTING



## HANGING DOUBLE-SIDED MOUNTING



**19383** wire suspension max 100



to be ordered separately

## CEILING DOUBLE-SIDED MOUNTING WITH TUBE PENDANTS



**19380** tube pendants 250 mm Indica DF

**19381** tube pendants 500 mm Indica DF

**19382** tube pendants 1 000 mm Indica DF



to be ordered separately

to be ordered separately

to be ordered separately

## FALSE CEILING RECESSED DOUBLE-SIDED MOUNTING



**19384** 20 m false ceiling recessed bracket



Recessed hole dimensions:  
297 × 43 mm

to be ordered separately

## AutoTest

Single-sided version 

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
1	<b>19313</b>	Indica LED SF20M AT SA 1N	SA	1 h	NiCd 7.2 V 0.75 Ah	16 pcs	96 lm	58 lm	2.6	0.65	6

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

## [LOGICA]

Single-sided version

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
1	<b>19315</b>	Indica LED SF20M LG SAPS 1/2/3H	SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	16 pcs	96/96/55 lm	68 lm	2.6	0.65	6

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

## [LOGICA]<sup>fm</sup>

Single-sided version 

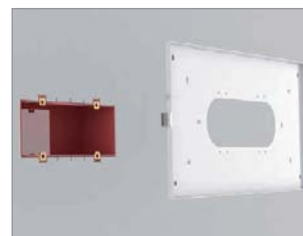
W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
1	<b>19317</b>	Indica LED SF20M LGFM SAPS 1/2/3H	SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	16 pcs	96/96/55 lm	68 lm	2.6	0.65	6

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

## WALL MOUNTING



## RECESSED WALL MOUNTING WITH RECESSED BOX





# Indica LED 30m

Emergency LED luminaire with exit sign and new optical system Back Light with high efficiency. The device is versatile due to universal bracket that allows for several types of installation. Moreover, it is available in single-sided version for installation above door. The luminaire is equipped with exit sign opal pane and ensures high luminosity (more than 500 cd/m²). The luminaire is capable of performing self-control autotests or to be managed by Logica control unit. Duration 1–2–3 hrs.

## Technical data

Mounting: on wall or ceiling with bracket, recessed mounting into the wall, suspended mounting on wire or tube pendants

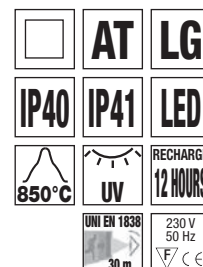
Body: aluminium frame and polycarbonate bracket RAL 7035

New optical system with high efficiency

Degree of protection: IP42

Rated voltage: 230 V/50 Hz

Specification: available in SA (Maintained)/PS (with reduced light output)

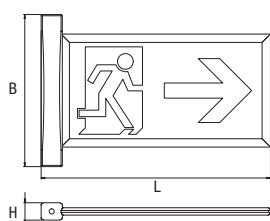


## ACCESSORIES: PROVIDED WITH

Code	Description
—	screen LEFT/RIGHT/DOWN

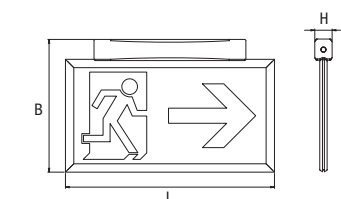
## ACCESSORIES: TO BE ORDERED SEPARATELY

Code	Description
19380	tube pendants 250 mm Indica DF
19381	tube pendants 500 mm Indica DF
19382	tube pendants 1 000 mm Indica DF
19383	Indica DF 2 m wire suspension
19386	30 m false ceiling recessed bracket



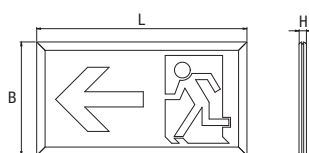
## Wall double-sided version

DV	• Dimensions (mm) •		
	L	B	H
30	366	252	36



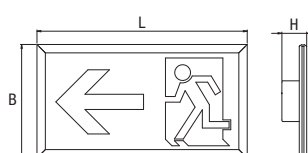
## Ceiling double-sided version

DV	• Dimensions (mm) •		
	L	B	H
30	335	216	36



## Recessed single-sided version

DV	• Dimensions (mm) •		
	L	B	H
30	335	185	15



## Wall single-sided version

DV	• Dimensions (mm) •		
	L	B	H
30	335	185	38

## AutoTest

## Double-sided version

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
3.2	19302	Indica LED SF30M AT SA 1H	SA	1 h	NiMH 7.2 V 0.6 Ah	48 pcs	288 lm	173 lm	4.2	0.8	6

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

## [LOGICA]

## Double-sided version

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
3.2	19304	Indica LED DF30M LG SA/PS 1/2/3H	SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	48 pcs	288/288/160 lm	205 lm	4.2	0.8	6

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

## [LOGICA]fm

## Double-sided version

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
3.2	19306	Indica LED DF30M LGFM SA/PS 1/2/3H	SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	48 pcs	288/288/160 lm	205 lm	4.2	0.8	6

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

## WALL DOUBLE-SIDED MOUNTING



## CEILING DOUBLE-SIDED MOUNTING



## HANGING DOUBLE-SIDED MOUNTING



**19383** wire suspension max 100



to be ordered separately

## CEILING DOUBLE-SIDED MOUNTING WITH TUBE PENDANTS



**19380** tube pendants 250 mm Indica DF

**19381** tube pendants 500 mm Indica DF

**19382** tube pendants 1 000 mm Indica DF



to be ordered separately

to be ordered separately

to be ordered separately

## FALSE CEILING RECESSED DOUBLE-SIDED MOUNTING



**19386** 30 m false ceiling recessed bracket



Recessed hole dimensions:  
367 × 43 mm

to be ordered separately

## AutoTest

Single-sided version 

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
1.6	<b>19312</b>	Indica LED SF30M AT	SA	1 h	NiCd 7.2 V 0.75 Ah	24 pcs	144 lm	86 lm	3	1.1	6

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


## [LOGICA]

Single-sided version

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
1.6	<b>19314</b>	Indica LED SF30M LG SAPS 1/2/3H	SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	24 pcs	288/288/160 lm	205 lm	3	1.1	6

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

## [LOGICA]<sup>fm</sup>

Single-sided version 

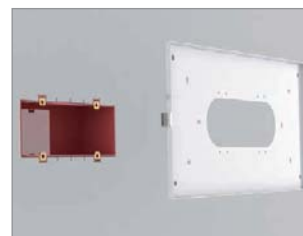
W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
1.6	<b>19316</b>	Indica LED SF30M LGFM SAPS 1/2/3H	SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	24 pcs	288/288/160 lm	205 lm	3	1.1	6

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

## WALL MOUNTING



## RECESSED WALL MOUNTING WITH RECESSED BOX



# Pluraluce LED



LED fixture for high performance emergency lighting, with special high-transparency plexiglas lenses kit, for both the Lungaluce and Largaluce versions, to obtain different dimensions of illuminated areas. Each lens has a white polycarbonate cover with fixing system for different types of false ceilings. High-efficiency LEDs, die-cast aluminium housing with integrated heat sink. Environmentally friendly NiMH Batteries are components of the fixture. The luminaire is capable of performing self-control autotests or to be managed by Logica control unit. Duration 1–2–3 hrs.

## Technical data

Mounting: recessed into ceiling

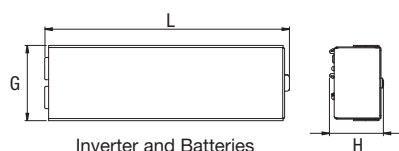
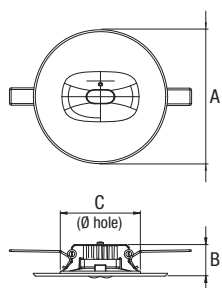
Material: white polycarbonate RAL 9010

Optical part: High-transparency plexiglas optical lenses

Degree of protection: IP43

Rated voltage: 230 V/50 Hz

Specification: available in SA (Maintained) and SE (Non maintained) and PS (with reduced lighting output)



W**	A	B	• Dimensions (mm) •	C	L	G	H	Source
24	120	28	80–100	204	63	46		LED

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



## ACCESSORIES: PROVIDED WITH (ONLY FOR VERSIONS 19331, 19332 AND 19333)

Code	Description
–	LUNGALUCE lens with cover (ASY)
–	LARGALUCE lens with cover (SY)

## AutoTest

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
24	19331	L.LARG DW RC 24W AT	SE	1 h	NiCd 7.2 V 0.75 Ah	1 pc	180 lm	–	1	0.8	6
24	19334	L.LARG DW RC SY AT SE/SA 1/3N	SE/SA	1/3 h	NiMH 7.2 V 1.2 Ah	1 pc	175/110 lm	110 lm	1/6.5	0.8	6
24	19335	L.LARG DW RC ASY AT SE/SA 1/3N	SE/SA	1/3 h	NiMH 7.2 V 1.2 Ah	1 pc	175/110 lm	110 lm	1/6.5	0.8	6

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

## [LOGICA]

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
24	19332	L.LARG DW RC LG 24 W SE/SA/PS 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	1 pc	180/180/100 lm	126 lm	1/6.5	0.8	6

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

## [LOGICA]fm

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
24	19333	L.LARG DW RC LGFM 24 W SE/SA/PS 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	1 pc	180/180/100 lm	126 lm	2/7.5	0.8	6

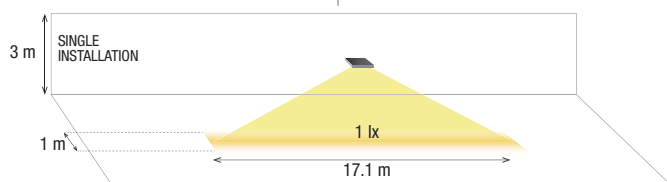
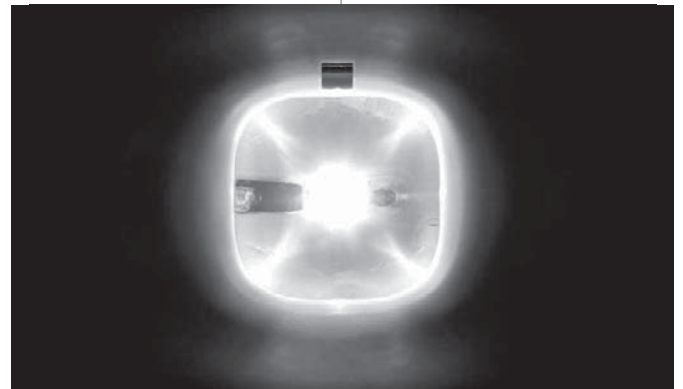
\* Minimum flow guaranteed according to EN 60598-2-22





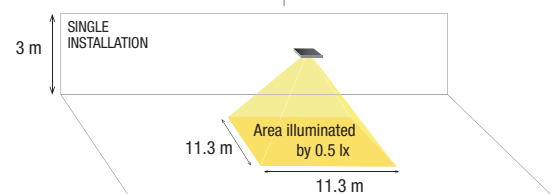
### LUNGALUCE LENS (ASY)

### LARGALUCE LENS (SY)



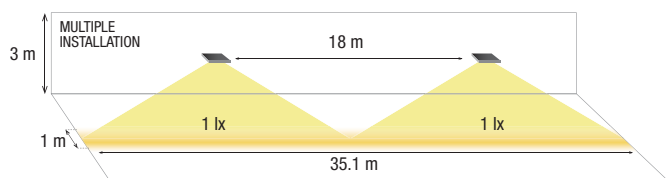
#### Single installation

covers an escape route of 17.1 m with 1 lx along the centre line and > 0.5 within 1 m



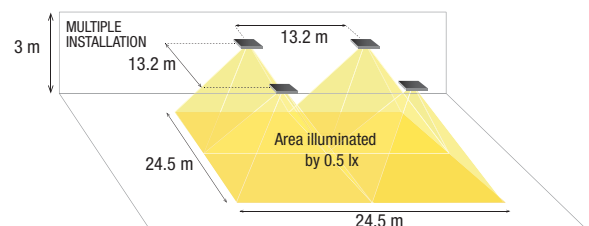
#### Single installation

illuminates a surface area of 11.3 × 11.3 m at 0.5 lx (128 m<sup>2</sup>)



#### Multiple installation, centre distance of 18 m between fixtures

covers an escape route of 35.1 m with 1 lx along the centre line and > 0.5 within 1 m



#### Multiple installation, centre distance of 13.2 m between fixtures

lights up a surface area of 24.5 × 24.5 m at 0.5 lx (600 m<sup>2</sup>)

# Pluraluce LED



Fixture for high performance emergency lighting, with special high-transparency plexiglas lenses kit, for both the Lungaluce, Largaluce and Diffusaluce versions, to obtain different dimensions of illuminated areas. Each lens has white polycarbonate housing. High-efficiency LEDs, die-cast aluminium housing with integrated heat sink. Environmentally friendly NiMH Batteries are components of the fixture. The luminaire is capable of performing self-control autotests or to be managed by Logica control unit. Duration 1–2–3 hrs.

## Technical data

Mounting: surfaced on ceiling

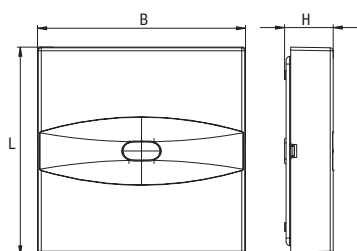
Body: white polycarbonate RAL 9010

Optical part: High-transparency plexiglas optical lenses

Degree of protection: IP42

Rated voltage: 230 V/50 Hz

Specification: available in SA (Maintained) and SE (Non maintained) and PS (with reduced lighting output)



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

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



## ACCESSORIES: PROVIDED WITH (ONLY FOR VERSIONS 19321, 19322 AND 19323)

Code	Description
–	LUNGALUCE lens with cover (ASY)
–	LARGALUCE lens with cover (SY)
–	DIFFUSALUCE lens with cover (SY Opal)

## AutoTest

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
24	<b>19321</b>	L.LARG DW CL AT 24W SE 1N	SE	1 h	NiCd 7.2 V 0.75 Ah	1 pc	180 lm	–	1	0.8	6
24	<b>19324</b>	L.LARG DW CL SY AT SE/SA 1/3N	SE/SA	1/3 h	NiMH 7.2 V 1.2 Ah	1 pc	175/110 lm	110 lm	1/6.5	0.8	6
24	<b>19325</b>	L.LARG DW CL ASY AT SE/SA 1/3N	SE/SA	1/3 h	NiMH 7.2 V 1.2 Ah	1 pc	175/110 lm	110 lm	1/6.5	0.8	6

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

## [LOGICA]

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
24	<b>19322</b>	L.LARG DW CL LG 24 W SE/SA/PS 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	1 pc	180/180/100 lm	126 lm	1/6.5	0.6	6

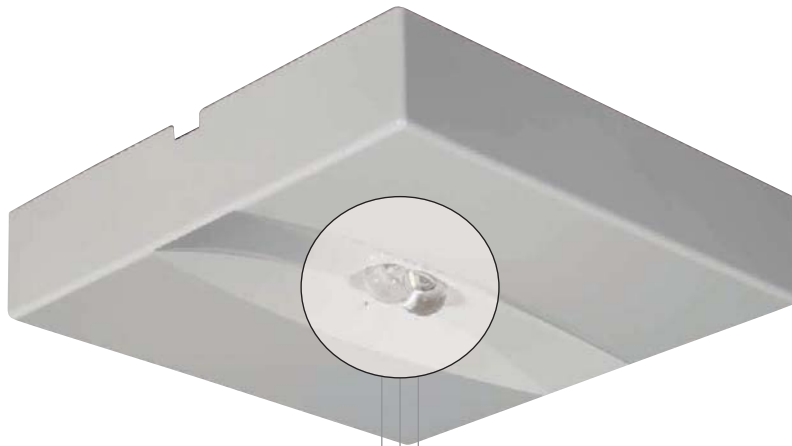
\* Minimum flow guaranteed according to EN 60598-2-22

## [LOGICA]fm

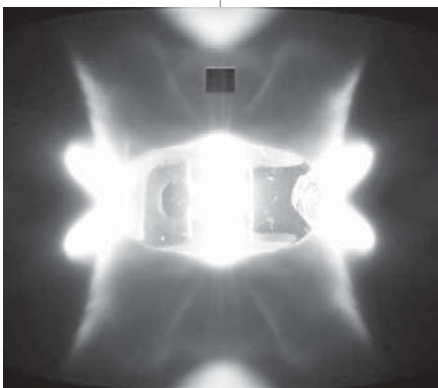


W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
24	<b>19323</b>	L.LARG DW CL LGFM 24 W SE/SA/PS 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	1 pc	180/180/100 lm	126 lm	2/7.5	0.6	6

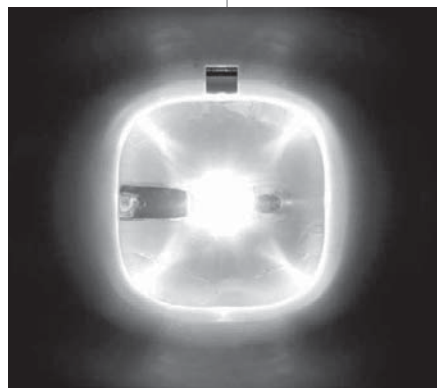
\* Minimum flow guaranteed according to EN 60598-2-22



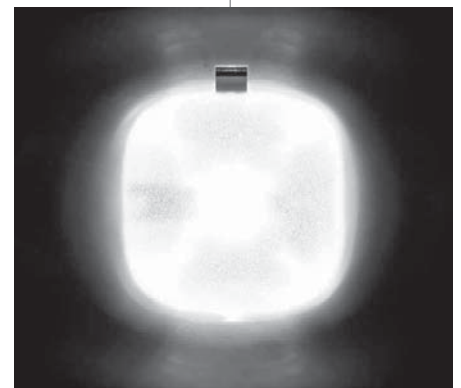
**Lungaluce lens (ASY)**  
installed at a height of 3 m covers an escape  
route of 17.1 m with 1 lux along the centre line  
and > 0.5 within 1 m



**Largaluce lens (SY)**  
installed at a height of 3 m illuminates a surface  
area of 11.3 × 11.3 m at 0.5 lux (128 m<sup>2</sup>)

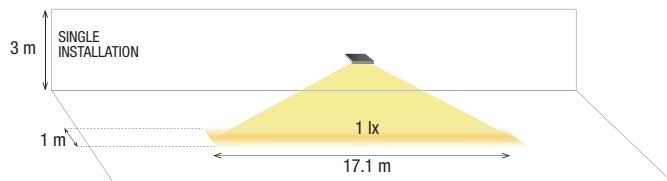


**Diffusaluca lens (SY Opal)**  
A wall mounted diffusa luce lens at a height  
of 2.5 m illuminates a surface area  
of 7 × 3 m at 0.5 lux (21 m<sup>2</sup>)



# Lighting performance on the ground

## Lungaluce lens (ASY) – installation at 3 m from the ground

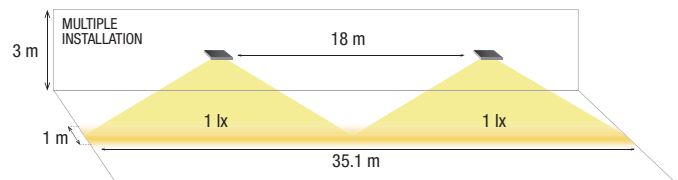


### Single installation

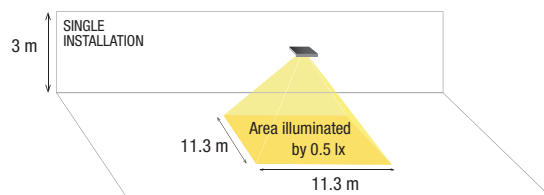
Covers an escape route of 17.1 m with 1 lux along the centre line and > 0.5 within 1 m

### Multiple installation, centre distance of 18 m between fixtures

Covers an escape route of 35.1 m with 1 lux along the centre line and > 0.5 within 1 m



## Largaluce lens (SY) – installation at 3 m from the ground

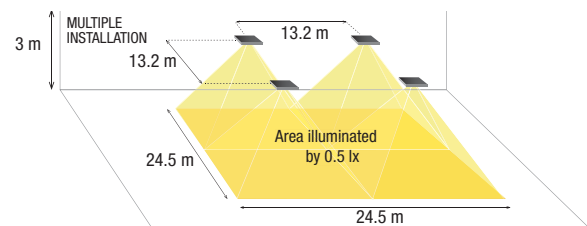


### Single installation

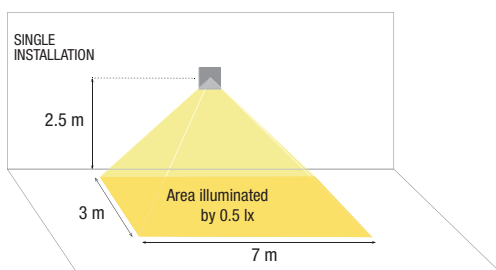
Illuminates a surface area of 11.3 × 11.3 m at 0.5 lux (128 m²)

### Multiple installation, centre distance of 13.2 m between fixtures

Lights up a surface area of 24.5 × 24.5 m at 0.5 lux (600 m²)



## Diffusaluce lens (SY Opal) – installation at 2.5 m from the ground

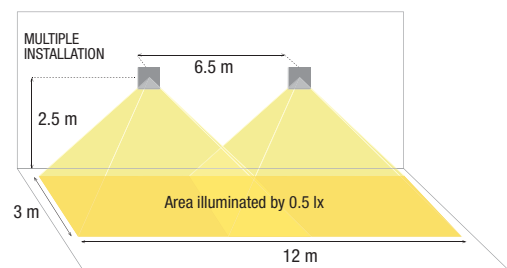


### Single installation

Illuminates a surface area of 7 × 3 m at 0.5 lux (21 m²)

### Multiple installation, centre distance of 6.5 m between fixtures

Illuminates a surface area of 12 × 3 m at 0.5 lux (36 m²)



LENS	Lamps	Coverage
<b>LUNGALUCE (ASY) 3 m</b>	1	Covers an escape route of 17.1 m with 1 lux along the centre line and > 0.5 lux within 1 metre from the centre line
	2	Centre distance of 18 m between luminaires covers an escape route of 35.1 m with 1 lux along the centre line and > 0.5 lux within 1 m from the centre line
<b>LARGALUCE (SY) 3 m</b>	1	Covers a surface area of 11.3 × 11.3 m at least 0.5 lux except for 0.5 m around the perimeter
	4	Centre distances of 13.2 m cover a surface area of 24.5 × 24.5 m at least 0.5 lux except for 0.5 m around the perimeter
<b>DIFFUSALUCE (SY Opal) 2.5 m</b>	1	Covers a surface area of 7 × 3 m at least 0.5 lux except for 0.5 m around the perimeter
	2	Centre distance of 6.5 m covers a surface area of 12 × 3 m at least 0.5 lux except for 0.5 m around the perimeter



# EcoLED Bandiera



Emergency LED fixture with diffuser and double sided exit sign designed for recessed mounting into ceiling module or surface mounting on ceiling. Fixture delivering high luminous efficiency. Easy installation classifies these fixtures among the most-economical products on the market. Its aesthetic shape provides an ideal solution to indicate escape routes. The fixture is ideal for use in modern applications that require emergency lighting. A characteristic feature of this series is very quick installation and reliable operation. Maximal visibility distance is 30 m.

W**	• Dimensions (mm) •			Source	Version
L	B	H			
8	325	56	248	LED	surfaced
8	396	81	228	LED	recessed

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



## ACCESSORIES: PROVIDED WITH

Code	Description	Pcs
—	clear opal pane	1

## ACCESSORIES: TO BE ORDERED SEPARATELY

Code	Description	Pcs
99-0051	← adhesive legend LEFT	1
	→ adhesive legend RIGHT	1
99-0052	↓ adhesive legend DOWN	2
99-0081	bracket for wall mounting (for surfaced version only)	1

## Technical data

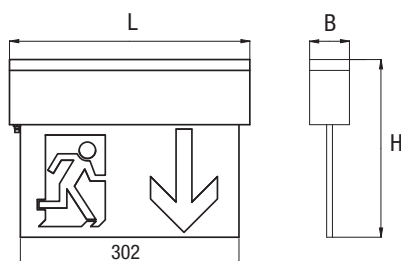
Mounting: surfaced on ceiling or recessed into ceiling

Body: steel sheet finished by powder technology varnishing in white color

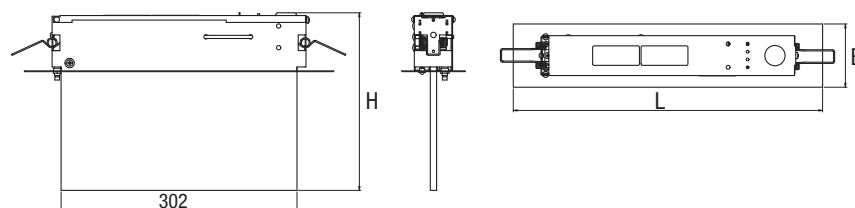
Rated voltage: 230 V/50 Hz

Specification: available in LED SA (Maintained), duration 3hrs

## Surfaced version



## Recessed version



W	Code	Article	Version	Duration	Battery	LED	Absorption W	Hole cut out (mm)	Kg	Pckg / pcs
8	58-009/801/N	Eco LED Bandiera	surfaced	3 h	NiCd 4.8 V 0.75 Ah	8 pcs	4.2	—	2.9	1
8	58-019/801/N*	Eco LED Bandiera	surfaced	3 h	NiCd 4.8 V 0.75 Ah	8 pcs	4.2	—	2.9	1
8	58-029/801/N	Eco LED Bandiera	recessed	3 h	NiCd 4.8 V 0.75 Ah	8 pcs	4.2	350 × 55	2.8	1
8	58-039/801/N*	Eco LED Bandiera	recessed	3 h	NiCd 4.8 V 0.75 Ah	8 pcs	4.2	350 × 55	2.8	1

W	Code	Article	Version	Duration	Battery	LED	Absorption W	Hole cut out (mm)	Kg	Pckg / pcs
8	58-009/801/NAT	Eco LED Bandiera AT	surfaced	3 h	NiCd 4.8 V 0.75 Ah	8 pcs	4.2	—	2.9	1
8	58-019/801/NAT*	Eco LED Bandiera AT	surfaced	3 h	NiCd 4.8 V 0.75 Ah	8 pcs	4.2	—	2.9	1
8	58-029/801/NAT	Eco LED Bandiera AT	recessed	3 h	NiCd 4.8 V 0.75 Ah	8 pcs	4.2	350 × 55	2.8	1
8	58-039/801/NAT*	Eco LED Bandiera AT	recessed	3 h	NiCd 4.8 V 0.75 Ah	8 pcs	4.2	350 × 55	2.8	1

\* Standard type supplied with emergency test switch

# Module EM AT/LG/LGFM LED



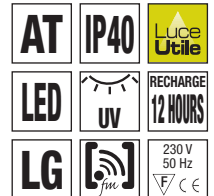
**New**

## Technical data

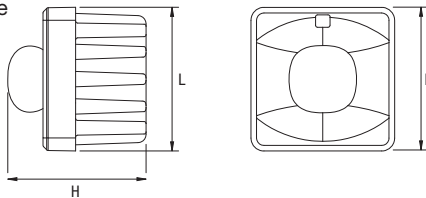
Mounting: universal application for ceiling, suspended and recessed lighting fixtures (T5 and T8 lamps)

Material: white polycarbonate RAL 9010  
Degree of protection: IP40  
Rated voltage: 230 V/50 Hz

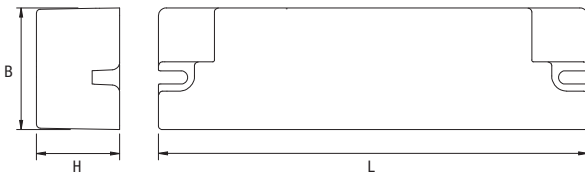
	W	• Dimensions (mm) •					
		L	L1	L2	B	H	
LED module with lens	T8, T5	35	—	—	35	33	
Inverter	—	114	—	—	32	22	
Battery	—	40	70	80	50	14.5	



LED module



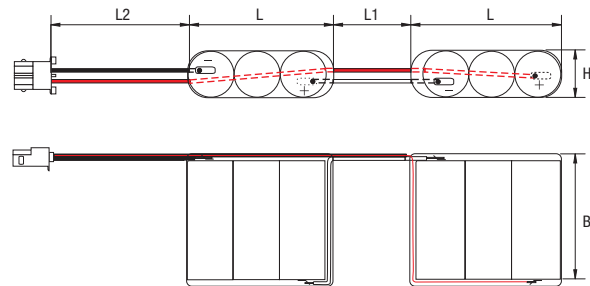
Inverter



## ACCESSORIES: PROVIDED WITH

Code	Description
—	<b>3 lenses:</b> LUNGA, LARGA, ALTA with 3 different covers
—	2 springs for fixing on T8 and T5 tubes

Battery



## AutoTest

W	Code	Article	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
T8, T5	<b>19341</b>	MODULE EM LED AT SE 1N	SE	1 h	NiCd 7.2 V 0.75 Ah	1 pc	180 lm	—	1	0.2	6

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

## [LOGICA]

W	Code	Article	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
T8, T5	<b>19342</b>	MODULE EM LED LG SE/SA/PS 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	1 pc	180/180/100 lm	126 lm	1/6.5	0.2	6

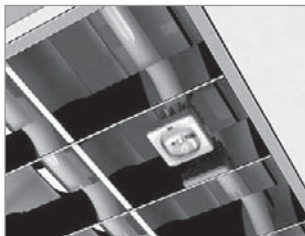
\* Minimum flow guaranteed according to EN 60598-2-22

## [LOGICA]fm

W	Code	Article	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
T8, T5	<b>19343</b>	MODULE EM LED LGFM SE/SA/PS 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	1 pc	180/180/100 lm	126 lm	2/7.5	0.2	6

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

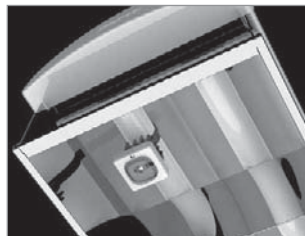
## INSTALLATION ON EQUIPMENT WITH T5 TUBES



Steel clips provided



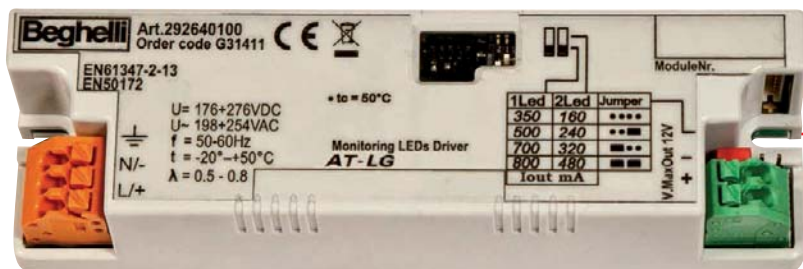
## INSTALLATION ON EQUIPMENT WITH T8 TUBES



Steel clips provided



## One fixture for several applications



Inverter provided



Battery set



### The Lungaluce lens

installed at a height of 3 m covers an escape route of 17.1 m with 1 lux along the centre line and > 0.5 within 1 m



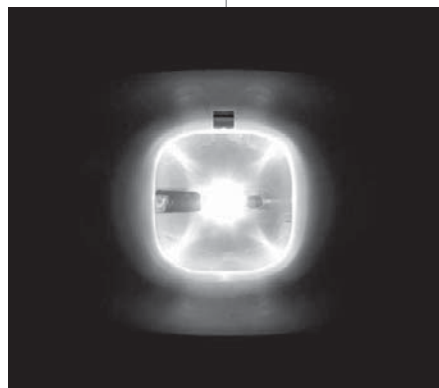
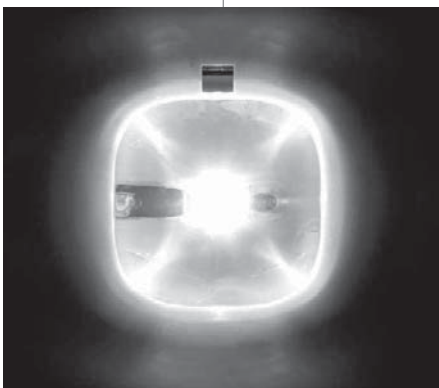
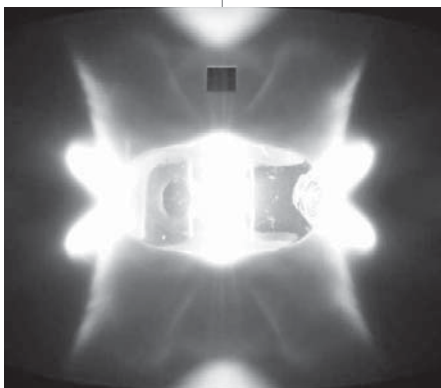
### The Largaluce lens

installed at a height of 3 m illuminates a surface area of 11.3 × 11.3 m at 0.5 lux



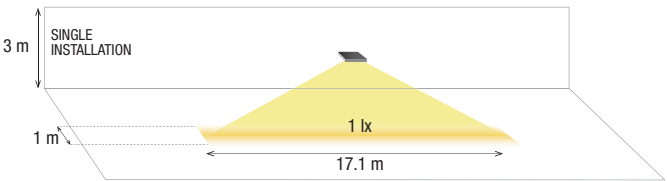
### The Aitaluce lens

installed at a height of 7 m lights up a surface area of 12.4 × 12.4 m at 0.5 lux



# Lighting performance on the ground

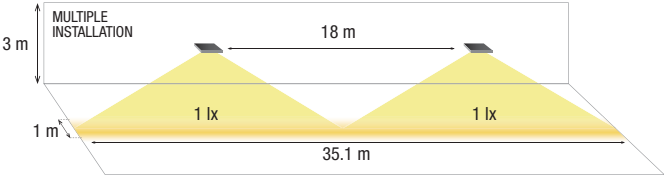
## Lungaluce lens – installation at 3 m from the ground



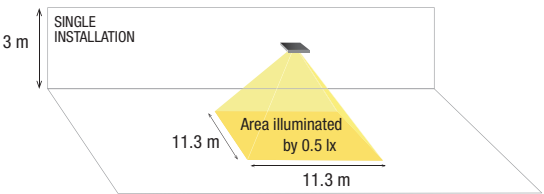
**Single installation**  
covers an escape route of 17.1 m with 1 lux along the centre line and > 0.5 within 1 m

### Multiple installation, centre distance of 18 m between fixtures

covers an escape route of 35.1 m with 1 lux along the centre line and > 0.5 within 1 m



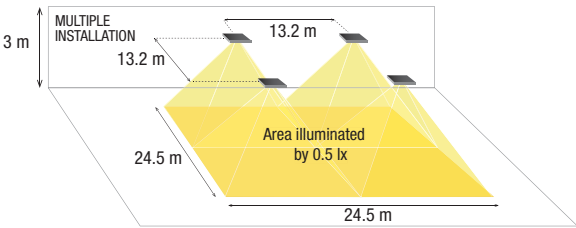
## Largaluce lens – installation at 3 m from the ground



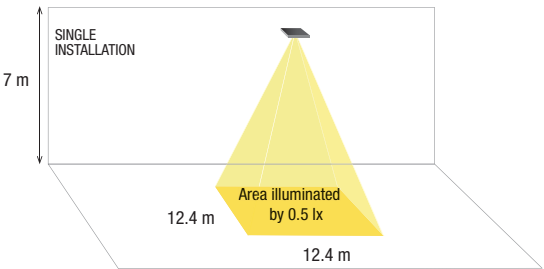
**Single installation**  
illuminates a surface area of 11.3 × 11.3 m at 0.5 lux (128 m²)

### Multiple installation, centre distance of 13.2 m

illuminates a surface area of 24.5 × 24.5 m at 0.5 lux (600 m²)



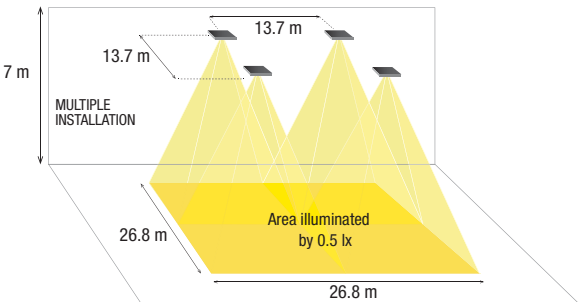
## Altaluce lens – installation at 7 m from the ground



**Single installation**  
lights up a surface area of 12.4 × 12.4 m at 0.5 lux (154 m²)

### Multiple installation, centre distance of 13.7 m

illuminates a surface area of 26.8 × 26.8 m at 0.5 lux (718 m²)



LENS	Lamps	Coverage
<b>LUNGALUCE</b> <b>3 m</b>	1	Covers an escape route of 17.1 m with 1 lux along the centre line and > 0.5 lux within 1 metre from the centre line
	2	Centre distance of 18 m between luminaires covers an escape route of 35.1 m with 1 lux along the centre line and > 0.5 lux within 1 m from the centre line
<b>LARGALUCE</b> <b>3 m</b>	1	Covers a surface area of 11.3 × 11.3 m at least 0.5 lux except for 0.5 m around the perimeter
	4	Centre distances of 13.2 m cover a surface area of 24.5 × 24.5 m at least 0.5 lux except for 0.5 m around the perimeter
<b>ALTALUCE</b> <b>7 m</b>	1	Covers a surface area of 12.4 × 12.4 m at least 0.5 lux except for 0.5 m around the perimeter
	4	Centre distance of 14.4 m covers a surface area of 26.8 × 26.8 m at least 0.5 lux except for 0.5 m around the perimeter



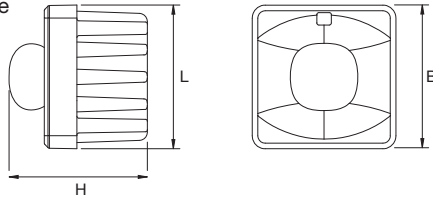
# Module EM Eco LED



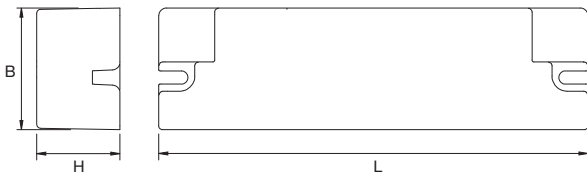
**New**

Electronic emergency LED module with built-in inverter for T5 and T8 lamps. Additional equipment for emergency lighting with high efficiency. Functionality is a conditioned by installation into standard fixtures with louvre in which the LED module with inverter and battery is placed. Special optical system of PMMA (Lungaluce, Largaluce and Altaluce) can be used for various types of illuminated space. Emergency LED module is supplied with a holder for T8 and T5 lamps. Highly efficient power LED is equipped with a cooler that ensures high durability and reliability of the device.

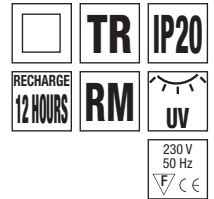
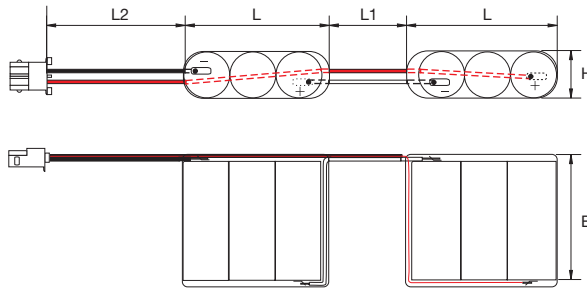
LED module



Inverter



Battery

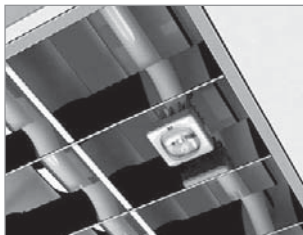


	W	• Dimensions (mm) •					Lamp
		L	L1	L2	B	H	
Modul module with lens	1.5	36	–	–	36	28	1 LED
Inverter	–	114	–	–	32	22	–
Battery	–	40	70	80	50	4.5	–

## ACCESSORIES: PROVIDED WITH

Code	Description
–	<b>3 lenses:</b> LUNGA, LARGA, ALTA
–	2 springs for fixing on T8 and T5 tubes

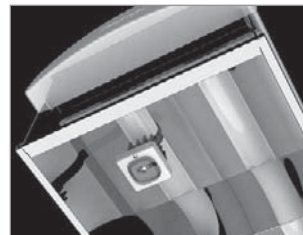
## INSTALLATION ON EQUIPMENT WITH T5 TUBES



Steel clips provided



## INSTALLATION ON EQUIPMENT WITH T8 TUBES



Steel clips provided



## OPTIC LENS



– Lungaluce

supplied with



– Largaluce

supplied with



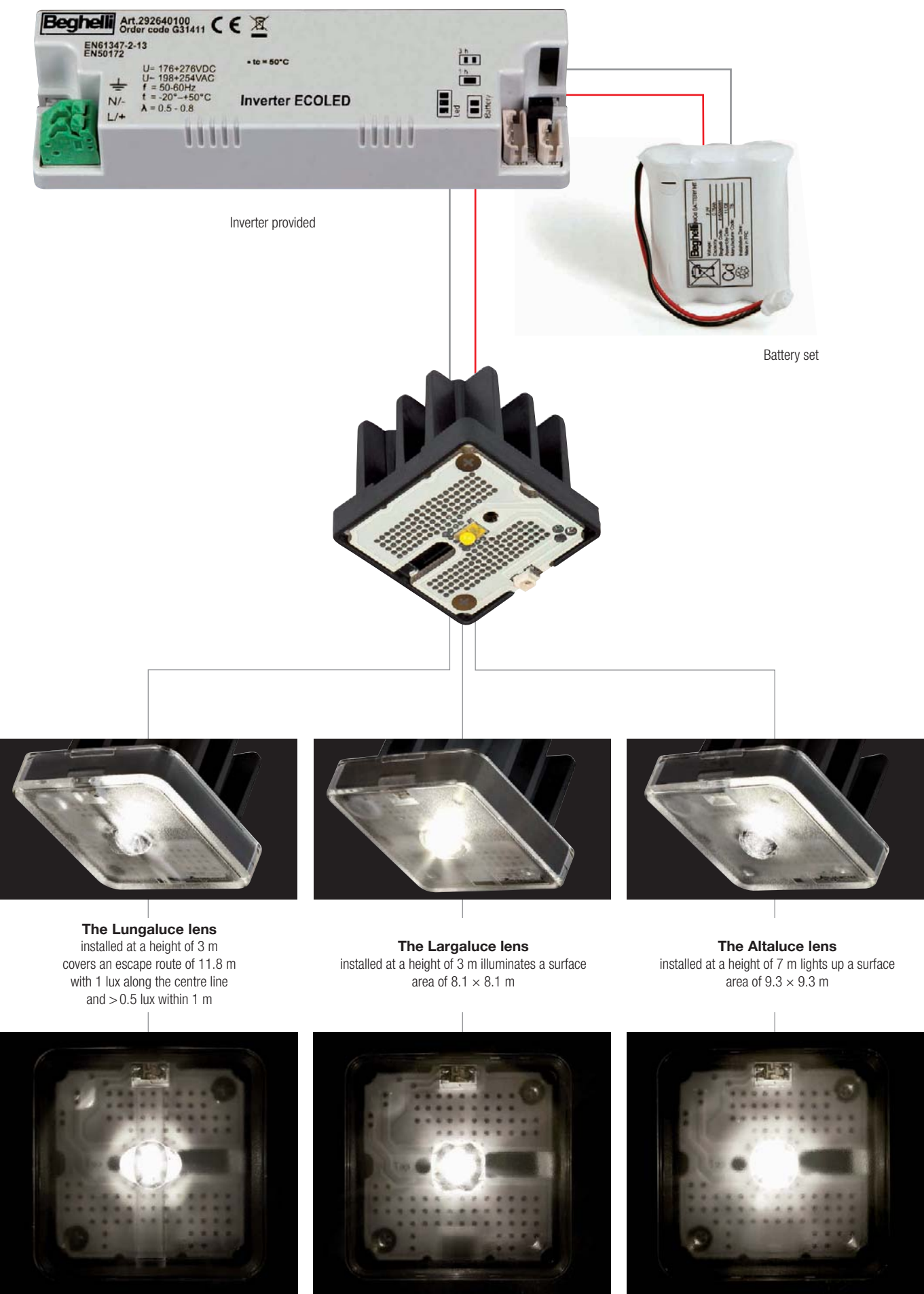
– Altaluce

supplied with

## TR

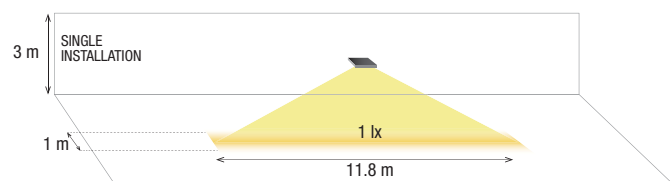
W	Code	Article	Version	Autonomy	Battery	Absorption W	Kg	Package / pcs
1.5	<b>19350</b>	INVERTER LED SE 1N RM	SE	1 h	NCHT 3.6 V 0.75 Ah	1	0.25	6

# Emergency LED module



# Lighting performance on the ground

## Lungaluce lens – installation at 3 m from the ground

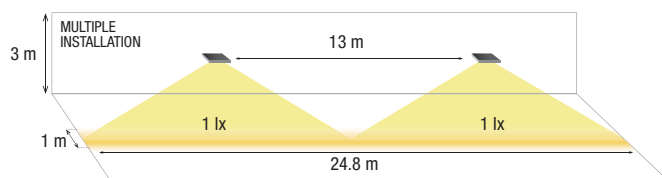


### Single installation

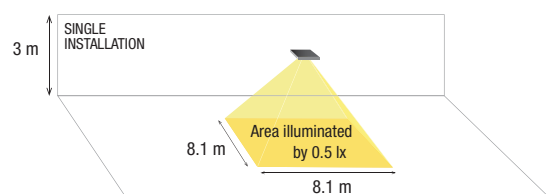
covers an escape route of 11.8 m with 1 lux along the centre line and  $>0.5$  within 1 m

### Multiple installation, centre distance of 13 m between fixtures

covers an escape route of 24.8 m with 1 lux along the centre line and  $>0.5$  within 1 m



## Largaluce lens – installation at 3 m from the ground

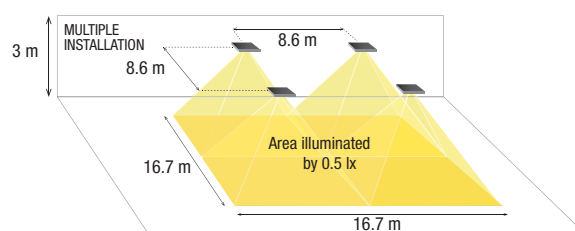


### Single installation

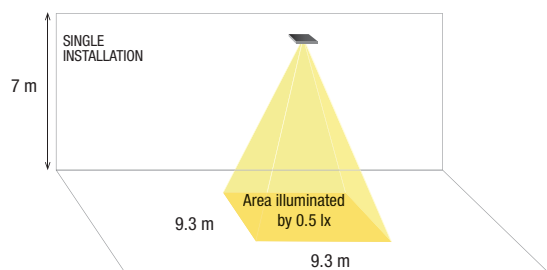
illuminates a surface area of  $8.1 \times 8.1$  m at 0.5 lux

### Multiple installation, centre distance of 8.6 m

illuminates a surface area of  $16.7 \times 16.7$  m at 0.5 lux



## Altaluce lens – installation at 7 m from the ground

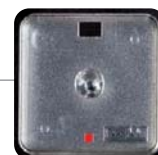
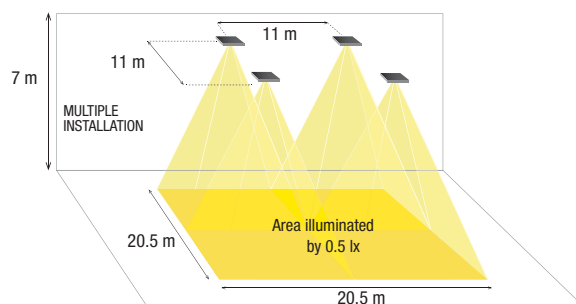


### Single installation

lights up a surface area of  $9.3 \times 9.3$  m at 0.5 lux

### Multiple installation, centre distance of 11 m

illuminates a surface area of  $20.5 \times 20.5$  m at 0.5 lux



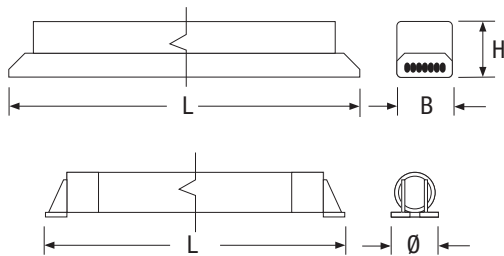
# Inverter LED



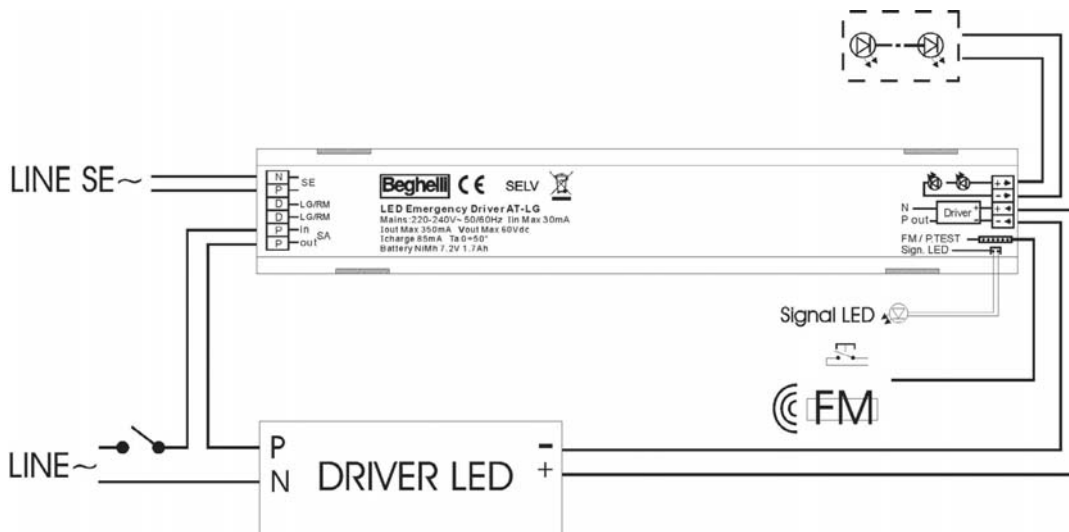
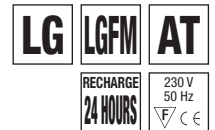
Electronic LED unit designed to power the fixture during power failure. Adjustable autonomy for 1 h, 2 h or 3 h regardless of the fixture type. Luminous flux is optimized based on the selected autonomy. The fixture is able to execute control self-tests, or can be controlled by the Logica control unit. Battery charging system 24 hours. Product is suitable for application in hospitals with configuration of 3 h autonomy. Changing autonomy (1, 2 or 3 hours) using the built-in connecting terminal.

## Technical data

Operating temperature: 0 + 50°C (battery), -20 + 50°C (inverter)	Recharging time: 24 h
Max. temperature of housing: 70°C	Charging current: 85 mA
Rated voltage: 230 V/50 Hz	Battery: NiMH 7.2 V 1.7 Ah
Output voltage: 20–55 V	Body: polycarbonate
Output current: 350 mA	LED indicating: the presence of power supply
	System operation: AT, LG, LGFM



• Inverter dimensions (mm) •			• Battery dimensions (mm) •		
L	B	H	L	Ø	H
232	30	26	132	17.5	35



AT-LG

Logica

	W	Code	Article	System	Version	Autonomy	Battery	Absorption max. W	Pckg/pcs
H	2÷6	19355	INVERTER LED AT/LG 6W 55V 123h	AT/LG	SA	1-2-3 h	NiMh 7.2 V 1.7 Ah	2	1

AT-LGFM

Logica FM

	W	Code	Article	System	Version	Autonomy	Battery	Absorption max. W	Pckg/pcs
H	2÷6	19356	INVERTER LED LGFM 6W 55V 123h	LGFM	SA	1-2-3 h	NiMh 7.2 V 1.7 Ah	2	1



# Inverter LED IP65



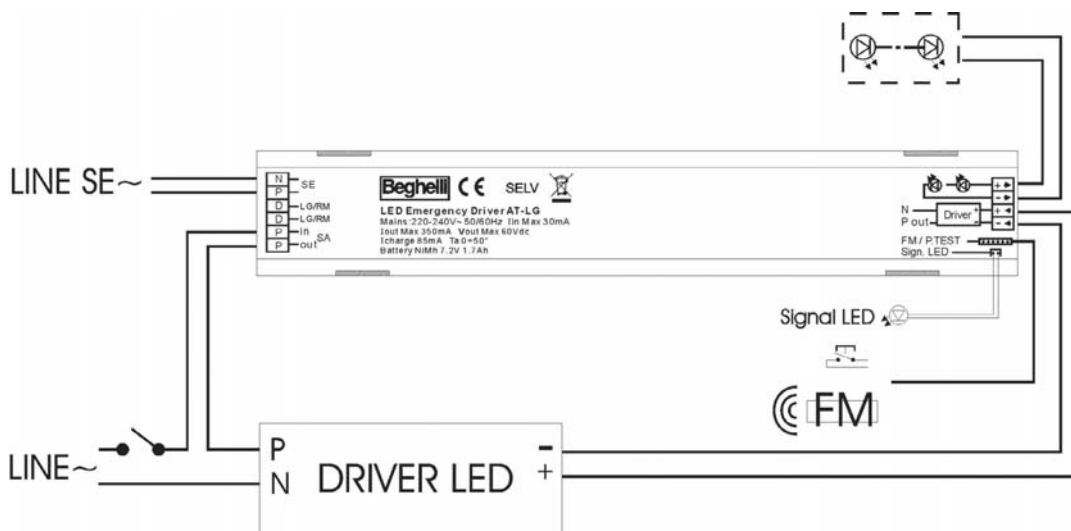
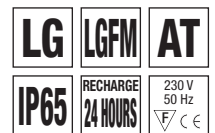
Electronic LED unit with high protection IP65 designed to power the fixture during power failure. Adjustable autonomy for 1 h, 2 h or 3 h regardless of the fixture type. Luminous flux is optimized based on the selected autonomy. The fixture is able to execute control self-tests, or can be controlled by the Logica control unit. Battery charging system 24 hours. Product is suitable for application in hospitals with configuration of 3 h autonomy. Changing autonomy (1, 2 or 3 hours) using the built-in connecting terminal.

## Technical data

Operating temperature: 0 + 50°C (battery), -20 + 50°C (inverter)	Recharging time: 24 h
Max. temperature of housing: 70°C	Charging current: 85 mA
Rated voltage: 230 V/50 Hz	Battery: NiMH 7.2 V 1.7 Ah
Output voltage: 20–55 V	Body: extruded aluminum
Output current: 350 mA	LED indicating: the presence of power supply
	System operation: AT, LG, LGFM



• Inverter dimensions (mm) •		
L	B	H
258	76	41



AT-LG

Logica

	W	Code	Article	System	Version	Autonomy	Battery	Absorption max. W	Pckg/pcs
H	2÷6	19364	INVERTER LED AT/LG 6W 55V 123h	AT/LG	SA	1-2-3 h	NiMh 7.2 V 1.7 Ah	2	1

AT-LGFM

Logica FM

	W	Code	Article	System	Version	Autonomy	Battery	Absorption max. W	Pckg/pcs
H	2÷6	19365	INVERTER LED LGFM 6W 55V 123h	LGFM	SA	1-2-3 h	NiMh 7.2 V 1.7 Ah	2	1

# Central and group battery systems

## General benefits for system with central-, resp. group-battery Beghelli-Präzisa System

- simple and cheap maintenance of the system
- high efficiency lighting in Safe Mode
- wide range of usable light sources (LED, CCFL, T5, T8, high pressure lamps...)
- possibility of changing autonomy with regard to installed capacity battery
- supervision and management in one place
- not necessary to conduct data communication
- battery life for more than 10 years
- battery in one place
- archived tests for two years
- possible management of the supervisory PC
- possibility of individual addressing
- automated functional tests
- possibility of integration into the BMS
- possibility of individual (SLEB) or automatic (ALOG) addressing
- possibility of setting up to 32 addresses at a range of emergency lighting



## Overview of emergency luminaires and exit sign luminaires for central and group battery systems



Logica LED



Formula65 LED



Acciaio LED



Pluraluce LED  
20m/30m



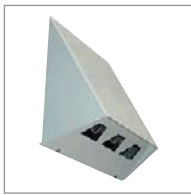
Pluraluce down. LED



Pluraluce down. LED



Kubus PI65 LED



Triangle LED



Nano LED



Alu-K LED



Kubus LED



Maxima LED



Dispos LED



Design LED



Ronos LED



Tula LED

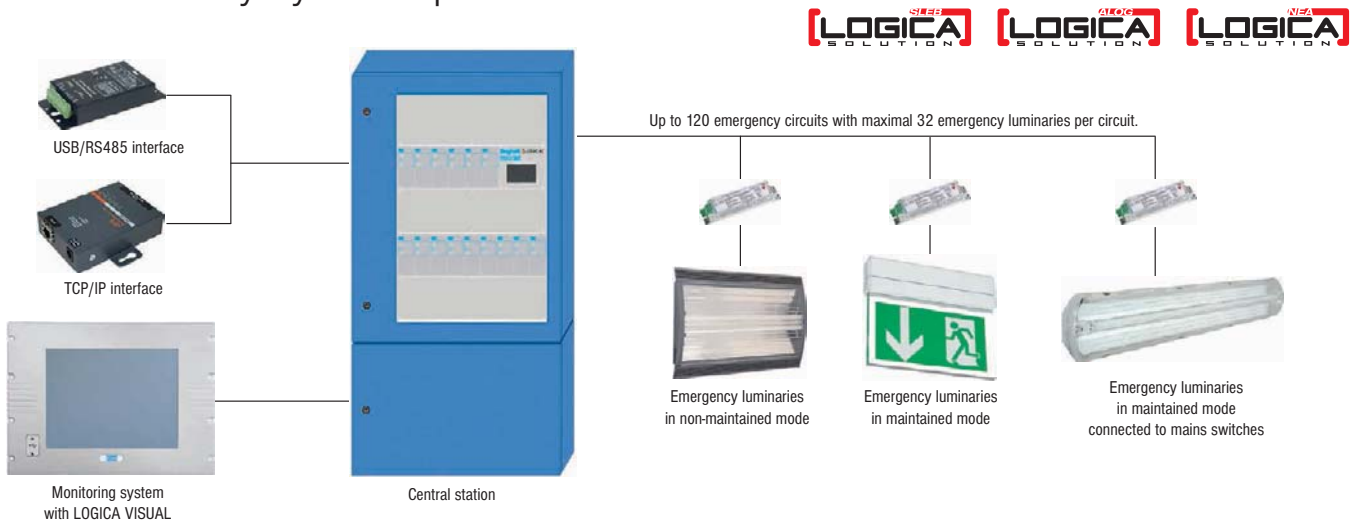


Plana LED



Indus LED

## Central battery system spreadsheet



# Business terms & conditions

## I. General Provisions

These General Terms and Conditions of Sale (hereinafter »Terms«) govern relations between BEGHELLI-ELPLAST, a.s. (hereinafter »Beghelli-Elplast«), as the seller, and its customers (hereinafter »Buyer«), in selling/purchasing of products, goods, and services provided by Beghelli-Elplast (hereinafter »Products«).

## II. Sequence of Documents

In case of a divergence between provisions of various documents regulating relations between Beghelli-Elplast and the Buyer, in the sense and in the extent in which they are in contradiction, the sequence of their obligatory force is as follows:

1. Single-purpose conditions agreed upon individually for a specific business transaction and confirmed in writing by both parties in a relevant commercial document (inquiry, offer, order, order acknowledgement, invoice).
2. Contract of purchase or a general contract of purchase, if such is entered into between Beghelli-Elplast and the Buyer.
3. Special commercial terms and conditions, which are part of the contract of purchase or the general contracts of purchase between Beghelli-Elplast and the Buyer.
4. These Terms.

## III. Ordering Procedure

The Buyer submits its purchase orders in writing via electronic mail or by fax. The order shall include, among others, unambiguous specification and quantity of Products and the required delivery term. By its receipt by Beghelli-Elplast the purchase order becomes binding.

Unless expressly agreed between Beghelli-Elplast and the Buyer in writing in documents specified in the Article II. Par. 1 of these Terms, any part of the Buyer's purchase order which is in contradiction or anyway inconsistent with these Terms, will be ignored and not applied to the concerned business transaction. Beghelli-Elplast shall acknowledge the purchase order in writing via electronic mail or by fax, specifying the delivery time or the currently available quantity. In case Beghelli-Elplast cannot confirm the delivery time of some or all items of the order within 48 (forty eight) hours, it shall confirm to the Buyer at least the fact of the order receipt including information on the supposed term of sending the final order acknowledgment.

In no event shall Beghelli-Elplast be liable for consequences of an eventually denied order or of any part of it.

If within 7 (seven) calendar days after receipt of the order acknowledgement by the Buyer, or within a shorter term in respect of the supposed delivery term, the Buyer does not raise in writing via electronic mail or by fax any objection against the supposed delivery time or against other terms of the order acknowledgement, the order acknowledgement becomes the only binding and final document superior to the Buyer's order. Any changes of the order so acknowledged are possible only in very exceptional cases and only after a prior written agreement of Beghelli-Elplast by cancellation of the concerned item in the original order and issuance of a new one.

In case meeting of a delivery time confirmed in the order acknowledgement appears unfeasible, Beghelli-Elplast shall inform the Buyer not later than 1 (one) day prior the supposed delivery term and indicate a substitutive delivery time.

In no event shall Beghelli-Elplast be liable for loss of profit, operational loss, specific, subsequent, incidental or criminal damages or damages of any other kind due to its failure to meet the delivery times confirmed in an order acknowledgement.

## IV. Delivery/Takeover of Products

Unless stipulated otherwise in the documents specified in the Article II. Par. 1 of these Terms, the delivery terms are EXW Brno (place of the distribution warehouse or production plant of Beghelli-Elplast). Transfer of the costs and risks from Beghelli-Elplast to the Buyer is governed by the corresponding provisions of Incoterms 2000.

Upon takeover of the Products, at the moment and at the location pursuant to the applied delivery terms, the Buyer is obliged to examine conformity of the Products or cause them to be examined in respect of their specification, quantity, completeness, and external damage.

If within 7 (seven) calendar days from the date of the takeover the Buyer does not raise any claim of nonconformity, using the appropriate procedure on the Beghelli-Elplast's website, via electronic mail, or by fax, the risk of a lack of quantity, incompleteness or external damage of the Products passes to the Buyer – except when the proper examination cannot be done without unpacking of the single Product. In such case the period for raising a claim for Products nonconformity is extended until the proper examination can be first done, however not longer than for 14 (fourteen) calendar days from the Products takeover.

## V. Payment

The Buyer shall pay for the supplied Products within the period, in the currency and on the bank account indicated in the Beghelli-Elplast's invoice. The due day is the day when the Beghelli-Elplast's account is credited.

Should the Buyer is in delay with the payment, Beghelli-Elplast may require a delay interest of 0,1% on the unpaid amount for each day of the delay. Paying off such delay interests by the Buyer does not affect Beghelli-Elplast's right to indemnity for eventual other damages related to the delayed payment.

In case the Buyer's delay with payment becomes substantial, Beghelli-Elplast has the right to suspend or cancel all remaining orders of the Buyer and require an immediate payment for all its issued invoices regardless of their maturity. Such measure does not affect Beghelli-Elplast's right to indemnity for eventual other damages related to the delayed payment.

## VI. Reserve of Property Right

The property right to the Products passes over to the Buyer not until it pays to Beghelli-Elplast the purchase price in the full amount. In case of a payment delay, Beghelli-Elplast may prohibit the Buyer from using the delivered Products or may apply its right to the Products return. For the whole such time, the Buyer is responsible for all risks relating to the delivered Products.

Until the property right passes over from Beghelli-Elplast to the Buyer, the Buyer cannot transfer it to any third person. In case of breach of this property reserve by the Buyer in consequence of which a third party would attain in good faith the property right to the Products, Beghelli-Elplast would become entitled to a contractual penalty amounting up to the price of the so concerned Products, which the Buyer is obliged to pay within by Beghelli-Elplast requested time. Paying off such a penalty by the Buyer does not affect Beghelli-Elplast's right to indemnity for eventual other related damages.

Further sale of the Products, to which the Beghelli-Elplast's reserve of property applies, to a third party is possible only on the condition that the Buyer reserves its right of property for at least the period until it fully pays to Beghelli-Elplast for the concerned Products.

On the reserved Products no lien may be imposed nor may the Products be used by anybody as a security for any kind of liability. Eventual return of the Products as a consequence of its failure to pay does not deprive the Buyer of its obligation to pay for the Products which were not returned, to compensate the derogated value of the Products that were not returned in the quality in which they had been supplied, or to pay off the whole delay interest to which Beghelli-Elplast is entitled.

## VII. Price and Terms Modification

Prices or other terms and conditions stated in Beghelli-Elplast's general pricelists, promotional or other commercial materials have an informative character only and in no way constitute the Buyer's right to obtain them.

The prices in Beghelli-Elplast's pricelists exclude VAT, recycling fee and other charges, taxes or duties of any kind, which, in case they are applicable to the Products according to the local law and Beghelli-Elplast is obliged to pay them, will be re-invoiced to the Buyer separately from the selling price.

In the event of unforeseen sudden changes of material, energy or other subsupply prices, other costs and circumstances which Beghelli-Elplast cannot influence nor put off, Beghelli-Elplast reserves the right to modify prices, payment, delivery and other terms and conditions with an immediate effect. Such modified prices or terms and conditions shall be applicable to all Products previously ordered by the Buyer and acknowledged by Beghelli-Elplast upon receipt of a written Beghelli-Elplast's notice by the Buyer via electronic mail or by fax. In such case the Buyer has the right to withdraw from all so affected and so far not delivered orders or from their parts.

### VIII. Changes of Products

Beghelli-Elplast reserves the right at its own discretion to change or modify technical specification of the Products or to alter the range of the Products by withdrawing or changing of the existing Products or adding new ones, provided such change does not substantially affect functional properties in a negative way, dimensions or service life of the concerned Products.

### IX. Warranty

With exceptions pursuant to Article VII. of these Terms, Beghelli-Elplast guarantees that the Products shall be of identical type and properties referred to in its technical documentation and free of defects in material and workmanship for a period of – if not stated otherwise in the accompanying documents of the particular Products or in other Beghelli-Elplast documentation – 24 (twenty four) months from the day of the Beghelli-Elplast's invoice to the Buyer (hereinafter »Warranty Period«). After expiry of such Warranty Period, the Buyer may not enforce its right to indemnity for any damage due to such nonconformities.

In case a nonconformity of the supplied Products occurs during the Warranty Period, the Buyer is obliged to inform Beghelli-Elplast using the appropriate procedure on Beghelli-Elplast's website or via electronic mail or by fax, not later than within 3 (three) working days from discovery of this fact and to provide Beghelli-Elplast with information and collaboration it may require, including obtaining samples of the Products under the claim and dispatching them to Beghelli-Elplast headquarters.

In case Beghelli-Elplast acknowledges justification of the claim, it provides the Buyer with a remedy in the form and in the sequence as stated below:

- defective Product repair or replacement of its defective parts;
- replacement of the defective Product with a defect-free one;
- compensation of the purchase price.

The decision on form of the remedy is in Beghelli-Elplast's sole discretion dependent on the technical, logistic, and other circumstances. Beghelli-Elplast may also grant to the Buyer a reasonable discount on the price, if the Buyer agrees.

Without a prior written consent of Beghelli-Elplast, the Buyer may neither dispatch the Products under the claim to Beghelli-Elplast, nor delay, nor fully or partially suspend payment for the concerned Products.

Shipment with defective goods must be clearly marked by assigned claim number. The address for sending complaints is: Rybářská 3, 603 16 Brno – Czech Republic. Defective goods can not be sent cash on delivery or at the expense of the company Beghelli-Elplast.

This warranty does not cover any faults caused by normal deterioration; accelerated deterioration caused by specific physical, chemical or electrochemical conditions; insufficient maintenance or incorrect repair; failure to observe storage, user and operating instructions; use of unsuitable materials, parts and tools; as well as any fault due to circumstances beyond Beghelli-Elplast reasonable control.

There are no other warranties, expressed or implied, direct or indirect, beyond those expressly set forth herein. In no event shall Beghelli-Elplast be liable for loss of profit, operational loss, specific, subsequent, incidental or criminal damages or damages of any other kind based on a nonconformity claim or otherwise related to the Products supplied by Beghelli-Elplast pursuant to these Terms or to particular business transactions complying with these Terms.

No claim of any kind, where as to Products delivered or for failure to deliver, and whether or not based on negligence, shall be greater in amount than the selling price of the Products with respect to which such claim is made.

The Buyer shall not provide any guarantee, expressed or implied, direct or indirect, relating to any Product, which would differ from the warranties provided by Beghelli-Elplast for such Product.

### X. Force Majeure

Beghelli-Elplast shall not be liable for a partial or entire failure to meet its obligations pursuant to these Terms, especially for suspension, delay or cancellation of the Buyer's orders, even if previously acknowledged, in cases beyond its reasonable control, including but without limitation:

- intervention of force majeure, war, revolt, civil riots, embargo, interference of civil or military authorities;
- changes relating to administrative, hygienic, and medical laws or regulations;
- strikes, operational or other production disruptions;
- interruption of or hindrance in transport;
- fire, floods, other climate extremes and natural hazard events.

In such events the Buyer has no right to indemnity for any damages, penalties, nor any other indemnification, direct or indirect.

Similar events entitle the Buyer not to take the ordered Products, even already manufactured; however none of these entitles the Buyer not to fulfill its liabilities related to the Products delivered previously, especially to pay the purchase price at the full amount and in the agreed term.

In case of impossibility to meet their obligations for such reasons, Beghelli-Elplast or the Buyer are obliged to advise without unnecessary delay the other party of this fact and its reasons, as well as of ceasing of their effects once it comes on.

### XI. Governing Law – Jurisdiction

Relations not expressly regulated by these Terms, nor by other documents as specified in the Article II. Par. 1 of these Terms, are governed by United Nations Convention on contracts for the international sale of goods, Vienna, 1980/04/11.

All disputes arisen between Beghelli-Elplast and the Buyer in connection to these Terms which could not be settled by their mutual conciliation shall be submitted to a sole arbitrator. The arbitrator shall be appointed by the Chairman of Committee of International Arbitration of the National Committee of International Chamber of Commerce of the Czech Republic.

#### Note:

These General Terms and Conditions of Sale are regularly updated and in this catalogue they are for information only. Binding and up to date General Terms and Conditions of Sale will be sent to you together with Sales Documentation or Contract or if need be on request.

BEGHELLI-ELPLAST, a.s.  
Pořčí 3A, 603 16 Brno – Czech Republic  
tel.: +420 531 014 111, fax: +420 531 014 210  
e-mail: beghelli@beghelli.cz, www.beghelli.cz





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12183	64	19224	63	70010	12	99-0169	12	D226LED	35
12184	64	19225	63	70011	12	99-298	11, 14, 15	F250ALED	50
12185	64	19226	63	70012	12	99-299	14, 15	F250SLED	50
12186	64	19227	63	70013	12	A11-10001CM	6	F400ALED	50
12187	64	19228	63	70014	12	A11-10001CW	6	F400SLED	50
12193	64	19229	63	70020	12	A11-10002CM	6	FD250ALEDL	51
12194	64	19230	63	71020	36	A11-10002CW	6	FD250SLEDL	51
12198	64	19231	63	71021	36	A11-10008CM	6	FD400ALEDL	51
12199	64	19232	63	71022	36	A11-10008CW	6	FD400SLEDL	51
12658	48, 50	19233	63	71023	36	A11-10009CM	6	H250CLED	48
12659	48	19302	68	71030	37	A11-10009CW	6	H250ELED	48
14810	45	19303	66	71031	37	A11-10016CM	10	H250LED	48
14811	45	19304	68	71032	37	A11-10016CW	10	H400CLED	48
14812	45	19305	66	71033	37	A11-10017CM	10	H400ELED	48
14813	45	19306	68	75300	31	A11-10017CW	10	H400LED	48
14814	45	19307	66	75316	31	A11-10025CM	10	HD250CLEDDL	49
14815	45	19312	69	75400	31	A11-10025CW	10	HD250ELEDL	49
15015	45	19313	67	75416	31	A11-10026CM	10	HD250LEDL	49
16220	58	19314	69	76300	26	A11-10026CW	10	HD400CLEDDL	49
16221	58	19315	67	76301	52	A12-10033C	46	HD400ELEDL	49
16222	58	19316	69	76302	53	A12-10034C	46	HD400LEDL	49
16223	58	19317	67	101206200	40	A14-10037C	14	I418LED	16
16224	58	19321	72	101206201	40	A14-10038C	14	P236LED	4
16230	58	19322	72	12182FM	64	A18-10047C	47	P258LED	4
16231	58	19323	72	12183FM	64	A18-10048C	47	Z1150LED	22
16232	58	19324	72	12184FM	64	A19-10050CF	54	Z1150LEDA	24
16233	58	19325	72	12185FM	64	A19-10050CW	54	Z135LED	22
16234	58	19331	70	12186FM	64	A19-10051CF	54	Z135LEDA	24
16235	58	19332	70	12187FM	64	A19-10051CW	54	Z170LED	22
16236	58	19333	70	32-929/414/NW	11	A19-10052CF	54	Z170LEDA	24
16237	58	19334	70	32-929/414/TW	11	A19-10052CW	54		
19040	62	19335	70	35-909/414/NW	18	A19-10053CF	54		

## 2002/96/CE WEEE directive

The amount of waste from electrical and electronic equipment is increasing (WEEE) amongst which most light sources have been included (fluorescent lamps not included).

The main purpose of the Directive is to prevent WEEE being thrown onto tips or incinerators causing further damage to the environment. The 2002/96/CE Directive has tried to introduce a control mechanism that envisions controlled management of the device at the end of its life span, favouring its re-use or recycling. Moreover, the legislative mechanism promotes design and production concepts that make disposal of the products easier both in terms of dismantling and of materials.

In the case of bulbs, the financing of the activities connected to the collection, management and recycling of WEEE at the end of their life span is guaranteed by a visible fee applied at the moment of sale.

All of the commercial chain is asked to contribute both economically and actively so that the spirit of the Directive is respected (and the environment protected).

# Symbols and type approval

Appliances conform to CE Directives.



Fixtures suitable for installation on normally flammable surfaces.



Protection against electric shock rate I



Fixtures characterized by special resistance to UV rays and mineral oils



Fixture equipped with a magnetic sensor for emergency test function



Fixtures with insulation Class II. Fixture without this symbol must be considered Class I.



Level of protection against external factors. (According to IEC EN 60529)



Indicates the temperature of the glow wire test (EN 60598-1).



Code for protection level provided with covers of electric appliances against the exterior mechanical impact.



Fixtures characterised by special resistance to UV rays



Emergency luminaires equipped with batteries assuring a duration of 1 hour after 12 hours of charging



Logica FM



Maximum visibility distance of safety signs according to UNI EN 1838



Emergency lighting systems



Emergency luminaire Logica



Emergency luminaire Logica FM



Logica



AutoTest



Fixture to be used in areas subject to explosion due to the presence of explosive substances or dust according to the ATEX Directive



LED lamp



Useful light fixtures, based on Beghelli standards, deliver specific illuminance (Lx) on the ground, if installed at the distance indicated in the Luce Utile project, and indicated alongside the icon which specifies the direction and amplitude of the light beam. The definition of the lighting characteristics of a fixture may be simplified, using the **only item of data useful for design purposes: ground illuminance expressed in Lux**. To ensure this data, some typical installation situations need to be sized, cataloguing each product not on light flow, but on the basis of various lighting data in different conditions of use for which the fixture is intended.

## Main obligations envisioned

The manufacturer (intended broadly and however substantially whoever places his own brand name on the goods and whoever imports from non-member countries) is responsible for the costs of disposal of their own products at the end of their life span. The point of sale must receive the product at the end of its life span if the same is replaced with a new one of the same type. The customer is asked to handle the product at the end of its life span with intelligence taking it to an equipped area, a point of sale or by following instructions provided by the manufacturer.

Beghelli has always been sensitive to environmental problems and is member of the ECOLIGHT consortium to which it gives the whole sum of the visible fee collected. Choosing products of companies that belong to voluntary consortiums for the recovery and recycling of the goods is a responsible choice and ecologically correct in favour of the environment and our future. The products that fall within the field of application of the WEEE Directive are identified by the symbol indicated at the side (a version without the bar also exists).







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