



Luminaires

CATALOGUE

LED

**Beghelli**



# List of products

## LED luminaires



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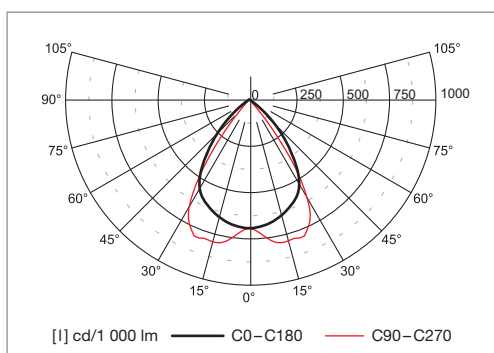
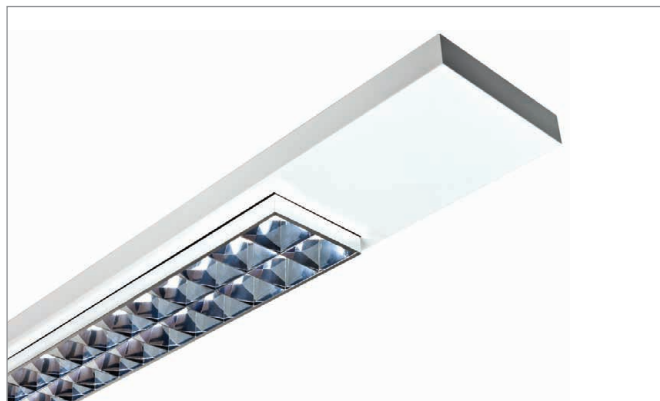
Pluraluce LED 28



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# P236/P258 LED

Ceiling and suspended LED luminaires – separate/coupling in lines



## 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, available with emergency module

**Mounting:** ceiling or suspended

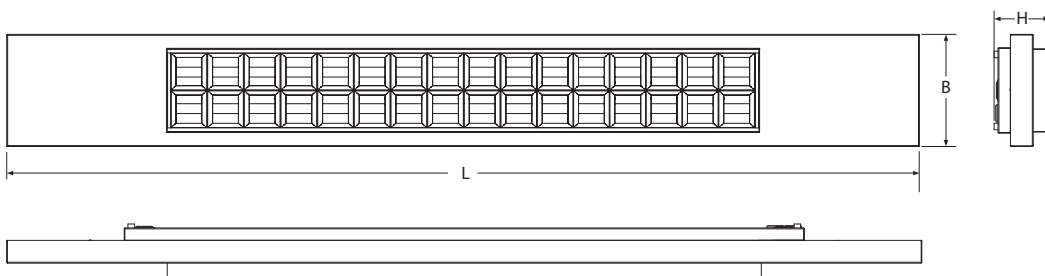
**Accessories: (to be ordered separately)**

99-0152 – wire pendant without power cable (120 cm)

99-0153 – wire pendant with power cable 3× 0.75 mm<sup>2</sup> (120 cm)

19350 – inverter EcoLED SE 1N

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



Power* W	Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L×B×H (mm)	Kg
2×36	P236LED	42	3200	76	4000	>80	1300 × 173 × 76	5.5
2×58	P258LED	53	4000	76	4000	>80	1300 × 173 × 76	5.5

\* Indicative power just for fluorescent fixtures comparison purpose



**SURFACE MOUNTING – SEPARATE**



**SUSPENDED MOUNTING – SEPARATE**



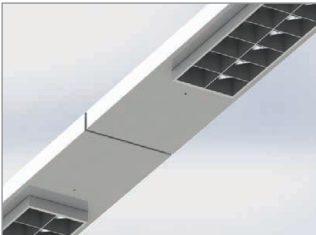
**99-0152** wire pendant without power cable (120 cm)

to be ordered separately

**99-0153** wire pendant with power cable  
3× 0.75 mm<sup>2</sup> (120 cm)

to be ordered separately

**MOUNTING – COUPLING IN LINES**



**95-1331.1840** connecting bracket

to be ordered separately

**MOUNTING WITH EMERGENCY LED MODULE**



**19350** inverter EcoLED SE 1N

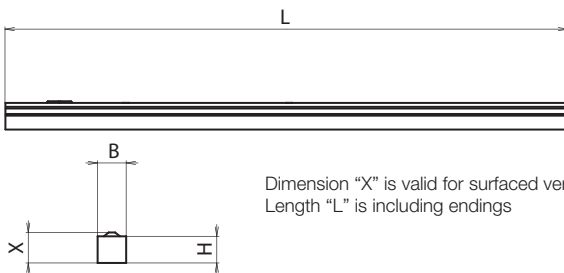
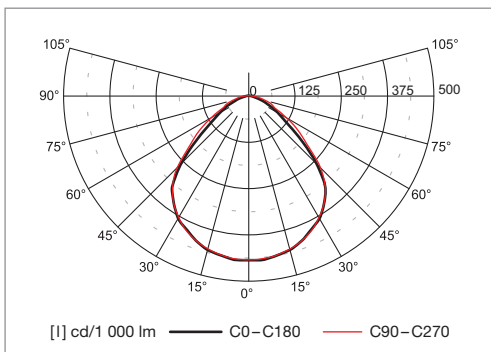


to be ordered separately

IP40

# Atomic LED

Ceiling and suspended LED luminaires – separate/coupling in lines



## Material:

- body: anodized aluminium profile
- color: gray
- diffuser: frosted acrylic or microprismatic optics

**Degree of protection:** IP40

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

**Control gear:** LED driver, available with emergency module AutoTest, Logica or LogicaFM

## 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 3x 1,5 mm<sup>2</sup> (120 cm) – set for one luminaire
- 99-0087 – wire suspensions, transparent power cable 5x 1,5 mm<sup>2</sup> (120 cm) – set for one luminaire
- 99-0094 – transparent power cable 200 cm (3x 1,5 mm<sup>2</sup>)
- 99-0095 – transparent power cable 200 cm (5x 1,5 mm<sup>2</sup>)
- 99-0096 – wire suspension 1 pc 200 cm (for one coupling in lines luminaire 2 pcs needed)
- 99-0123 – ending (1 pc) for ceiling version coupling in lines (for diffuser IP40)
- 99-0125 – coupler for luminaires coupling in lines (for diffuser IP40), couplers for IP20 are supplied with luminaire

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

## Separate mounting

Power* W	Code	Optics	Luminous flux lm	Absorption W	lm/W	Color temp. K	Ra	L x B x H x X (mm)	Kg
2x36W	A11-10001CM	frosted diffuser	2848	41	69	4000	>80	1203 x 60 x 56 x 61	2.5
2x36W	A11-10001CW	micro-prism optic system	2930	41	71	4000	>80	1203 x 60 x 56 x 61	2.5
2x58W	A11-10002CM	frosted diffuser	4336	63	69	4000	>80	1203 x 60 x 56 x 61	2.5
2x58W	A11-10002CW	micro-prism optic system	4300	63	68	4000	>80	1203 x 60 x 56 x 61	2.5

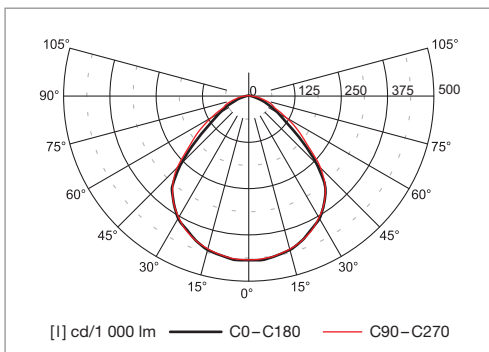
## Coupling in lines

Power* W	Code	Optics	Luminous flux lm	Absorption W	lm/W	Color temp. K	Ra	L x B x H x X (mm)	Kg
2x36W	A11-10008CM	frosted diffuser	2848	41	69	4000	>80	1200 x 60 x 56 x 61	2.5
2x36W	A11-10008CW	micro-prism optic system	2930	41	71	4000	>80	1200 x 60 x 56 x 61	2.5
2x58W	A11-10009CM	frosted diffuser	4336	63	69	4000	>80	1200 x 60 x 56 x 61	2.5
2x58W	A11-10009CW	micro-prism optic system	4300	63	68	4000	>80	1200 x 60 x 56 x 61	2.5

\* Indicative power just for fluorescent fixtures comparison purpose

# Atomic LED

## Recessed LED luminaires – separate/coupling in lines



### Material:

- body: anodized aluminium profile
- color: gray
- diffuser: frosted acrylic or microprismatic optics

### Degree of protection: IP40

### Rated voltage: 230 V/50 Hz

**Control gear:** LED driver, available with emergency module AutoTest, Logica or LogicaFM

### 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 (for diffuser IP40)

99-0125 – coupler for luminaires coupling in lines (for diffuser IP40), couplers for IP20 are supplied with luminaire

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

### Separate mounting

Power* W	Code	Optics	Luminous flux lm	Absorption W	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
2×36W	A11-10016CM	frosted diffuser	2848	41	69	4000	>80	1230 × 93 × 66	4.2
2×36W	A11-10016CW	micro-prism optic system	2930	41	71	4000	>80	1230 × 93 × 66	4.2
2×58W	A11-10017CM	frosted diffuser	4336	63	69	4000	>80	1230 × 93 × 66	4.2
2×58W	A11-10017CW	micro-prism optic system	4300	63	68	4000	>80	1230 × 93 × 66	4.2

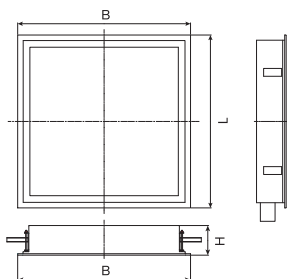
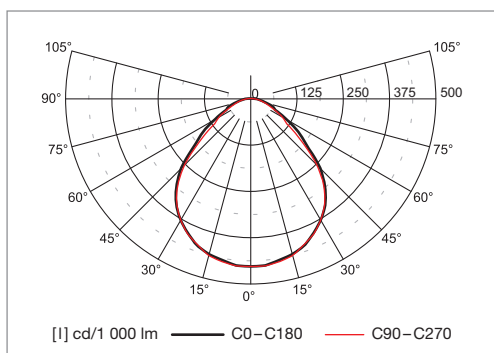
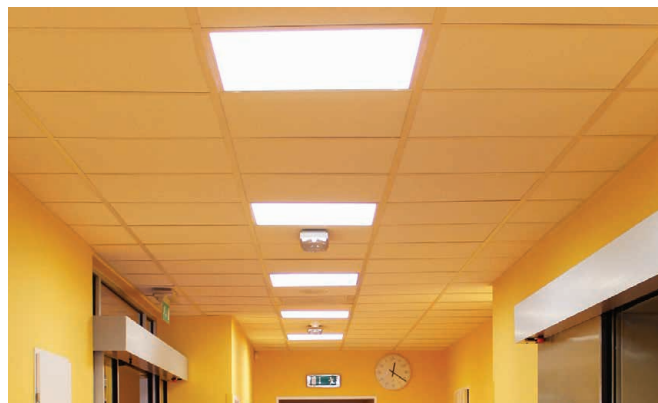
### Coupling in lines

Power* W	Code	Optics	Luminous flux lm	Absorption W	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
2×36W	A11-10025CM	frosted diffuser	2848	41	69	4000	>80	1200 × 93 × 66	4.2
2×36W	A11-10025CW	micro-prism optic system	2930	41	71	4000	>80	1200 × 93 × 66	4.2
2×58W	A11-10026CM	frosted diffuser	4336	63	69	4000	>80	1200 × 93 × 66	4.2
2×58W	A11-10026CW	micro-prism optic system	4300	63	68	4000	>80	1200 × 93 × 66	4.2

\* 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

**Degree of protection:** IP20

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

**Control gear:** LED driver

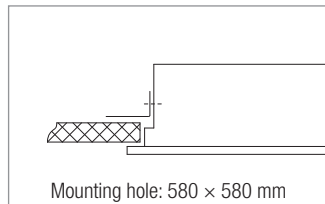
**Mounting:** universal mounting in ceiling module M600 and plaster ceiling

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

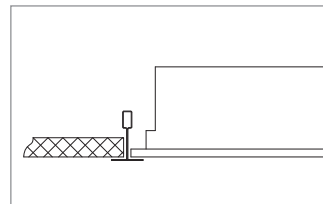
99-298 – steel holders for mounting in M600 module and plaster ceiling (4 pcs)

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

## MOUNTING IN PLASTER CEILING



## MOUNTING IN MODULE M600



Power* W	Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L x B x H (mm)	Kg
4x14	32-929/414/NW	37	3140	85	4000	>80	595 x 595 x 60	5.0
4x14	32-929/414/TW	37	3140	85	4000	>80	595 x 595 x 60	5.0

\* Indicative power just for fluorescent fixtures comparison purpose

N – LED driver

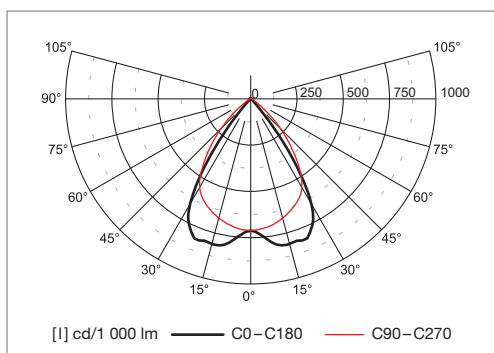
T – LED driver dimmable DALI

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



# Carella LED

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



### 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, available with emergency module

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

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

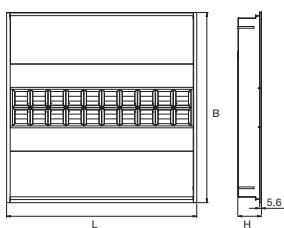
99-298 – holders into panel ceilings (4 pcs)

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

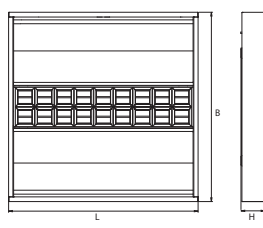
19350 – inverter EcoLED SE 1N

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

### Recessed version

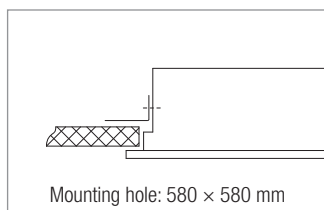


### Surfaced version

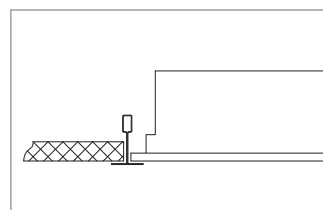


Surfaced version

### MOUNTING IN PLASTER CEILING



### MOUNTING IN MODULE M600



### EMERGENCY LED MODULE

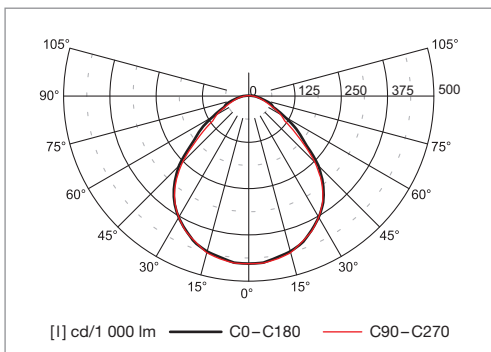


Power* W	Code	Mounting	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
4×18	A14-10037C	recessed	37	2800	76	4000	>80	595 × 595 × 74	5.0
4×18	A14-10038C	surfaced	37	2800	76	4000	>80	603 × 603 × 76	5.0

\* Indicative power just for fluorescent fixtures comparison purpose

# Aries W LED

Recessed LED luminaires IP54/20 – 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:** IP54/20 – IP54 (frame to the body of the luminaire), IP20 body of the luminaire

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

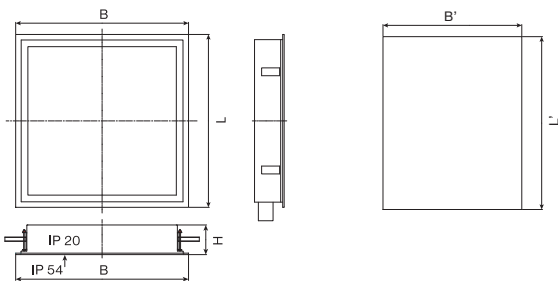
**Control gear:** LED driver

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

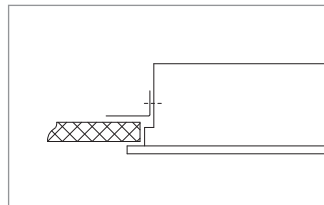
**Accessories:** holders are components of the luminaire

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

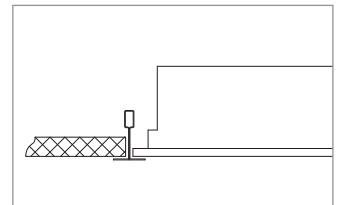
**Mounting hole in plaster ceiling**



**MOUNTING INTO PLASTER CEILING**



**MOUNTING INTO CEILING MODULE M600**

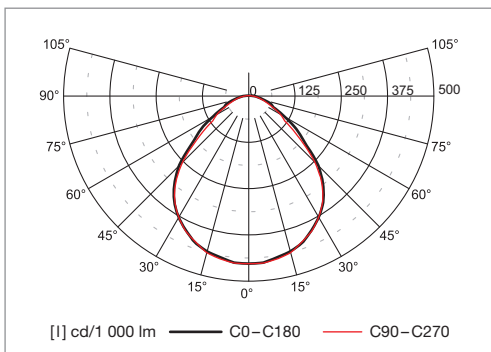


Power* W	Code	Absorption W	Color temp. K	Ra	Hole cut out L' x B' (mm)	L x B x H (mm)	Kg
4x18	35-909/414/NW	51	4000	>80	572 x 565	595 x 595 x 112	4.5
4x18	35-909/414/TW	51	4000	>80	572 x 565	595 x 595 x 112	4.5

\* 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

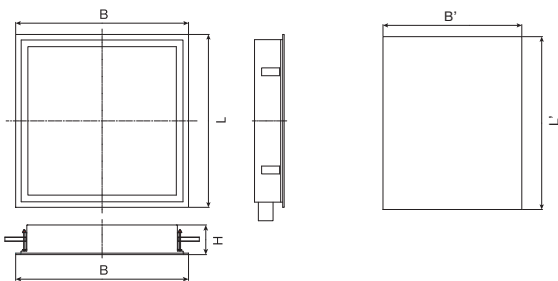
**Control gear:** LED driver

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

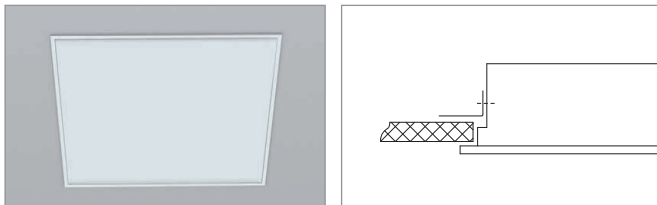
**Accessories:** holders are components of the luminaire

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

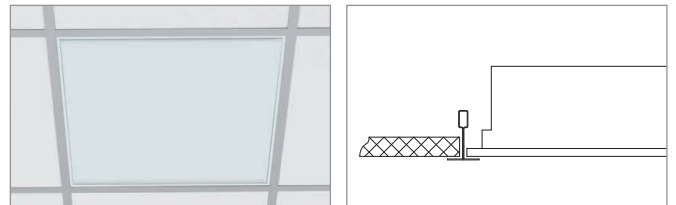
**Mounting hole in plaster ceiling**



**MOUNTING INTO PLASTER CEILING**



**MOUNTING INTO CEILING MODULE M600**



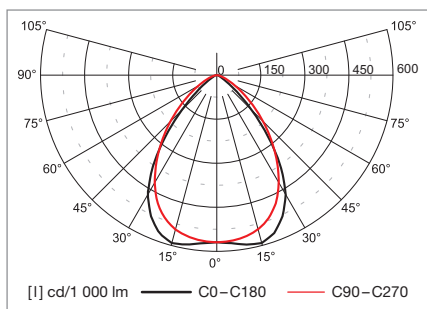
Power* W	Code	Absorption W	Color temp. K	Ra	Hole cut out L' x B' (mm)	L x B x H (mm)	Kg
4x18	36-999/414/NW	51	4000	>80	572 x 565	595 x 595 x 112	5.5
4x18	36-999/414/TW	51	4000	>80	572 x 565	595 x 595 x 112	5.5

\* 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

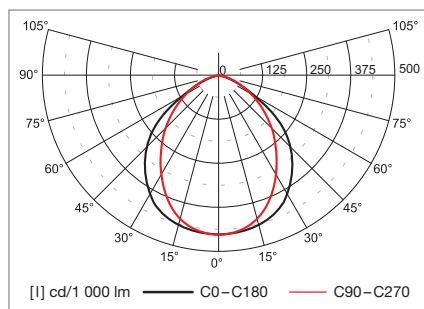
# ACCIAIO<sup>®</sup> Beghelli

## LED

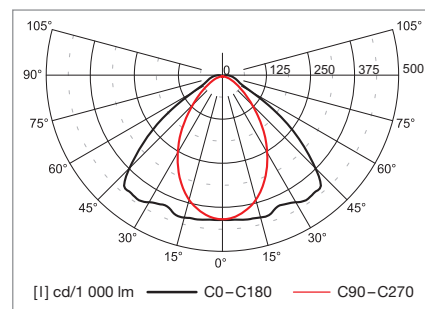
A new concept of  
energy-efficient lighting solutions



**Acciaio A258CLED**



**Acciaio A258LED**



**Acciaio 258CLED + 20096**

# Acciaio LED

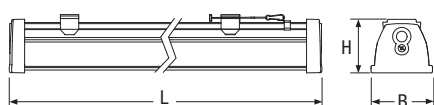
## Industrial LED luminaires



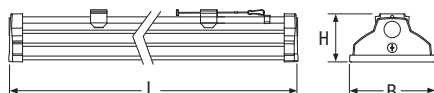
A236LED, A258LED



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, available with emergency module

**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 1W, BS, 1h, NiMH-Battery 7.2V/0.6Ah, 180lm Autotest	1
<b>14813</b>	<b>14812</b> LED emergency head 1W, BS, 1h, NiMH-Battery 7.2V/0.6Ah, 180lm Logica	1
<b>14815</b>	<b>14814</b> LED emergency head 1W, BS, 1h, NiMH-Battery 7.2V/0.6Ah, 180lm Logica-FM	1
<b>15015</b>	<b>15015</b> adjustable ceiling and wall bracket	1



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

### Acciaio LED concentrating

Code	Article	Absorption W	Luminous flux	Color temp.	Ra	L × B × H (mm)	Kg
A236CLED	AcciaioLED 96 CONC	45	3850 lm	4000 K	>80	1254 × 110 × 88	4.6
A258CLED	AcciaioLED 144 CONC	63	5600 lm	4000 K	>80	1254 × 110 × 88	4.6

### Acciaio LED diffusing

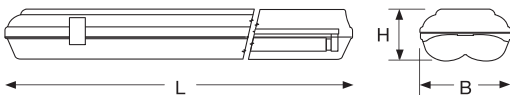
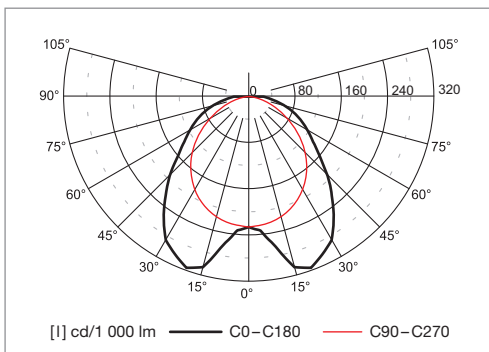
Code	Article	Absorption W	Luminous flux	Color temp.	Ra	L × B × H (mm)	Kg
A236LED	AcciaioLED 96 DIFF	45	3650 lm	4000K	>80	1254 × 170 × 88	5.1
A258LED	AcciaioLED 144 DIFF	63	5470 lm	4000K	>80	1254 × 170 × 88	5.1

### Acciaio LED with external diffuser for wide-beam light distribution

Code	Article	Absorption W	Luminous flux	Color temp.	Ra	L × B × H (mm)	Kg
A236CLED+20096	AcciaioLED 96 CONC + Diffuser	45	2940 lm	4000 K	>80	1254 × 110 × 88	4.8
A258CLED+20096	AcciaioLED 144 CONC + Diffuser	63	4400 lm	4000 K	>80	1254 × 110 × 88	4.8

# BS102 LED

## Industrial LED luminaires



### Material:

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

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

**Degree of protection:** IP65

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

**Control gear:** LED driver, emergency version by LED module AT, LG and LGFM with duration 1/3h

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

**Application:** washrooms, factory halls, farms, cellars, store houses

Long-life and maintenance-free operation.

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

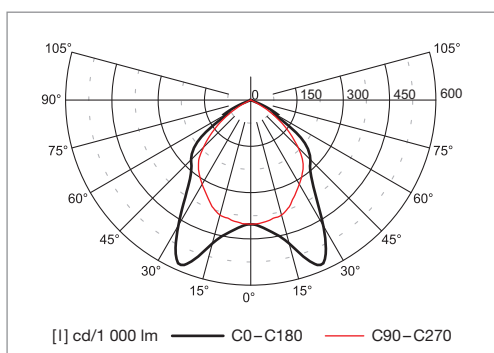
Through wiring and/or external fast connector versions on request.

Power* W	Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	L × B × H (mm)	Kg
2×36	A12-10033C	41	3270	80	4000	>80	1264 × 121 × 82	3.1
2×58	A12-10034C	63	4950	79	4000	>80	1264 × 121 × 82	3.1

\* Indicative power just for fluorescent fixtures comparison purpose

# Crater LED

Recessed LED luminaires – mounting in plaster ceiling



### Material:

- body: steel sheet finished by powder technology varnishing
- color: white RAL 9003
- reflector: aluminium sheet

**Degree of protection:** IP20

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

**Control gear:** LED driver

**Mounting:** in plaster ceiling

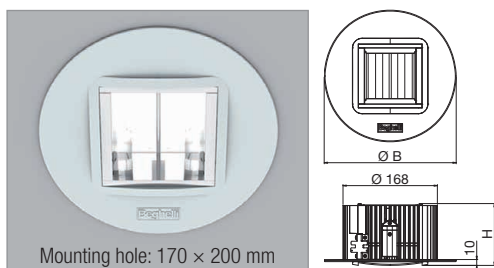
**Accessories: (to be ordered separately)**

20090 – adapter ring 240 DWL LED

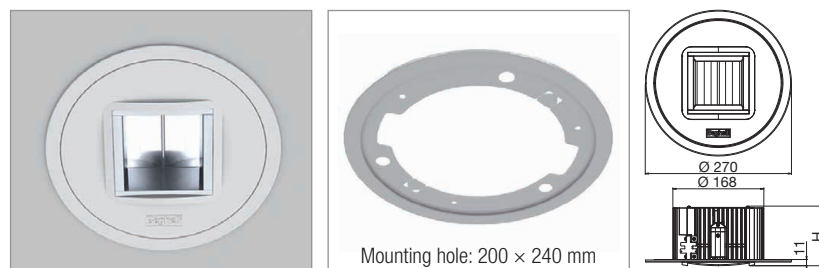
20091 – adapter for surfaced mounting

**Application:** reception desks, restaurants, corridors and stairways, shops, hotels, lecture halls

### RECESSED MOUNTING



### RECESSED MOUNTING WITH ADAPTER RING



20090 Adapter ring 240 DWL LED

### SURFACED MOUNTING ON CEILING



20091 Adapter for surfaced mounting DWL LED

Power* W	Code	Absorption W	Lum. flux (lm)	lm/W	Color temp. K	Ra	ØB × H (mm)	Kg
2×26	A15-10039C	18	1500	83	4000	>80	235 × 110	5.0

\* Indicative power just for fluorescent fixtures comparison purpose





# 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 IP 40 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	

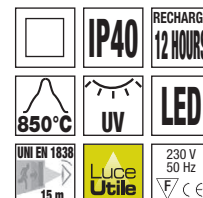
6-8-11-24	292	102	36.8	LED
-----------	-----	-----	------	-----

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



Visible distance	
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Exit sign	15 m
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Exit sign Bandiera	20 m
--------------------	------



## ACCESSORIES: TO BE ORDERED SEPARATELY

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

## German standard

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

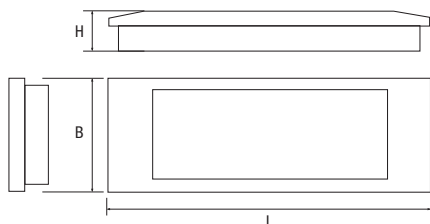
## Technical data

Mounting: on ceiling or wall,  
recessed mounting

Diffuser: clear plastic

Body and reflector:  
white polycarbonate

Rated voltage:  
230 V / 50 Hz



W	Code	Article	Duration	Battery	LED	Luminous flux	Absorption W	Kg	Pckg / pcs
6	16220	6 W SE 1H	1 h	NiMH 4.8 V 0.75 Ah	10 Pcs	75 lm	0.7	0.5	12
8	16221	8 W SE 1H	1 h	NiMH 4.8 V 0.75 Ah	16 Pcs	120 lm	0.7	0.5	12
11	16222	11 W SE 1H	1 h	NiMH 4.8 V 0.75 Ah	20 Pcs	150 lm	0.7	0.5	12
11	16223	11 W SA 1H	1 h	NiMH 4.8 V 0.75 Ah	20 Pcs	150 lm (SE) / 75 lm (SA)	1.6	0.5	12
24	16224	24 W SE 1H	1 h	NiMH 4.8 V 0.75 Ah	32 Pcs	240 lm	0.9	0.6	12

# 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 IP 65 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

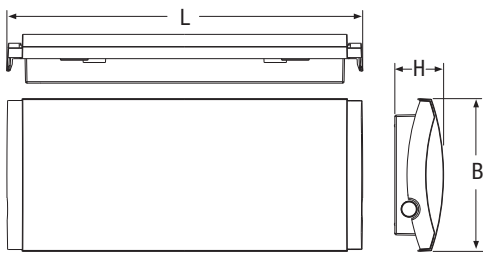
Mounting: on ceiling or wall, with recessed box

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	

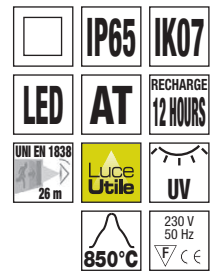
6-8-11-24	354	152	48.5	LED
-----------	-----	-----	------	-----

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

Visible distance	
------------------	--

Adhesive legend	26 m
-----------------	------

Exit sign	28 m
-----------	------



## ACCESSORIES: PROVIDED WITH

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

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

## ACCESSORIES: TO BE ORDERED SEPARATELY

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

## WALL MOUNTING WITH BUBBLE LEVEL

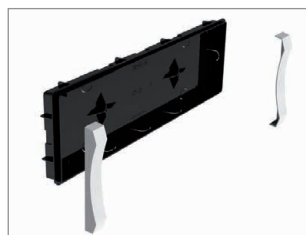


19040 recessed box with frame, supplied with the fixture

## 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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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 W	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: IP 65

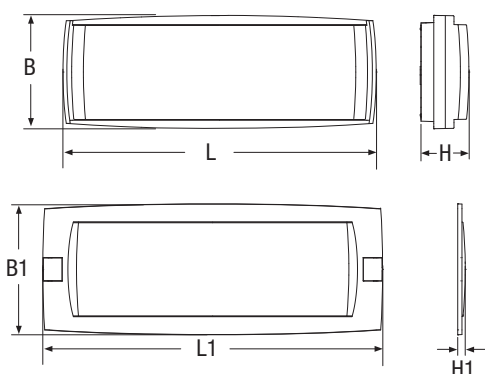
Rated voltage: 230 V/50 Hz

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	
12193	Logica false ceiling bracket	
12175	Logica RIGHT screen	1
12176	Logica LEFT screen	1
12177	Logica DOWN screen	1



(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 1/2/3H	SE	1/2/3 h	Pb 6 V 2.2 Ah	30 Pcs	400/200/150 lm	-	3 W	2.4	6
8	12185	LOG LED LG 8 W SA/PS 1/2/3H	SA/PS	1/2/3 h	NiCd 7.2 V 2.2 Ah	30 Pcs	400/200/150 lm	300 lm	3/13 W	2.4	6
11	12183	LOG LED LG 11 W SE 1/2/3H	SE	1/2/3 h	Pb 6 V 2.2 Ah	30 Pcs	500/300/200 lm	-	3 W	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	500/300/200 lm	400 lm	3/14 W	2.4	6
24	12184	LOG LED LG 24 W SE 1/2/3H	SE	1/2/3 h	Pb 6 V 2.2 Ah	30 Pcs	600/350/250 lm	-	3 W	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	600/350/250 lm	500 lm	3/16 W	2.4	6

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



(AT if not connected to a control unit)

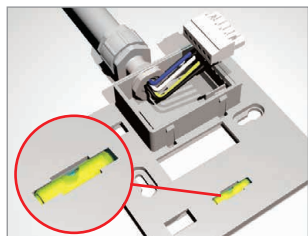
W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/ pcs
8	12182FM	LOG LED LGFM 8 W SE 1/2/3H	SE	1/2/3 h	Pb 6 V 2.2 Ah	30 Pcs	400/200/150 lm	-	4/14 W	2.4	6
8	12185FM	LOG LED LGFM 8 W SA/PS 1/2/3H	SA/PS	1/2/3 h	NiCd 7.2 V 2.2 Ah	30 Pcs	400/200/150 lm	300 lm	14 W	2.4	6
11	12183FM	LOG LED LGFM 11 W SE 1/2/3H	SE	1/2/3 h	Pb 6 V 2.2 Ah	30 Pcs	500/300/200 lm	-	4/15 W	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	500/300/200 lm	400 lm	15 W	2.4	6
24	12184FM	LOG LED LGFM 24 W SE 1/2/3H	SE	1/2/3 h	Pb 6 V 2.2 Ah	30 Pcs	600/350/250 lm	-	4/17 W	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	600/350/250 lm	500 lm	17 W	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

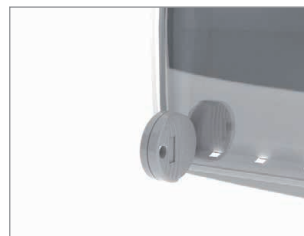


provided with

**MAGNETIC SWITCH FOR LOCAL MANUAL DIAGNOSIS**



– REED bulb and magnetic key



provided with

**RECESSED MOUNTING**



**12198** LOGICA IP65 recessed box



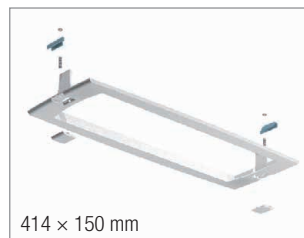
recessed mounting hole:  
430 × 165 mm

provided with

**FALSE CEILING AND PLASTERBOARD MOUNTING**



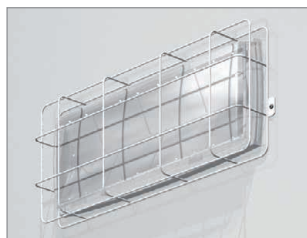
**12193** Logica false ceiling bracket



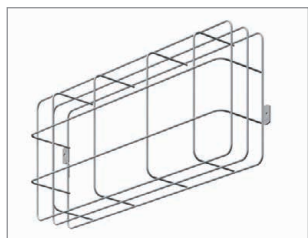
414 × 150 mm

to be ordered separately

**LOGICA LUMINAIRE GRID**



**12194** Logica lamp grille



to be ordered separately

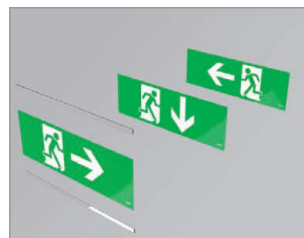
**LOGICA SCREENS**



**12175** Logica PS RIGHT screen

**12176** Logica PS LEFT screen

**12177** Logica PS DOWN screen



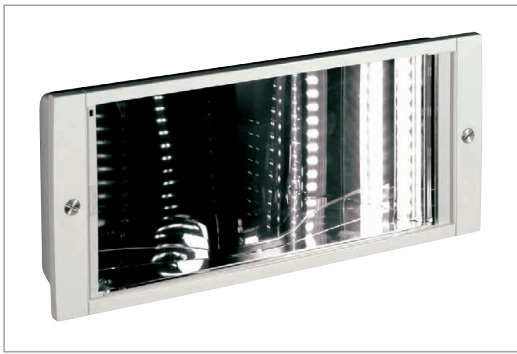
to be ordered separately

to be ordered separately

to be ordered separately



# Acciaio LED



## Technical data

Mounting: on wall or ceiling, recessed mounting with box

Body: die-cast aluminium

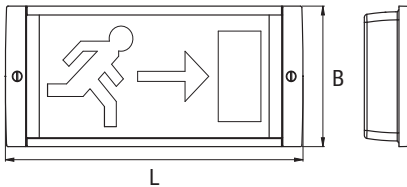
Reflector: symmetrical, polished aluminium

Diffuser: hardened glass

Rated voltage: 230 V/50 Hz

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

In industrial areas, the product has its ideal location in explosive environment installations, due to gas or flammable dust in the air (ATEX 94/9/CE).



Acciaio LED features a high technological content for particularly complex applications in high risk areas. The die-cast aluminium housing and glass screen have an excellent mechanical strength (IK09) and resist well to aggressive chemical agents. In industrial applications, the fixture is ideal for installation in areas with explosive atmospheres caused by gaseous alterations or airborne combustible dust (as indicated in the ATEX Directive 94/9/EC). The reflector is in 99.99% antiridescend polished aluminium, with a dual reflection optical system for more uniform illumination. The dual series of highperformance LEDs has a special extra lens, to make screen illumination even more uniform. The Acciaio Beghelli also features a revolutionary lamp test system: a magnetic switch allows for manual testing of the operation of one fixture, by moving a magnet close to it, to immediately test efficiency.

The safety sign version of the Acciaio LED has an additional opaline polycarbonate screen for easier installation, which also guarantees extremely uniform sign illumination (over 500 cd/m<sup>2</sup>). The range also includes a number of measures for easier installation, such as: an incorporated bubble level, a quick-fit system, feed through wiring, dual wire entry for each terminal, stainless steel, wide-head screws.

W**	• Dimensions (mm) •			Source
	L	B	H	
8-24	391	174	59.5	LED

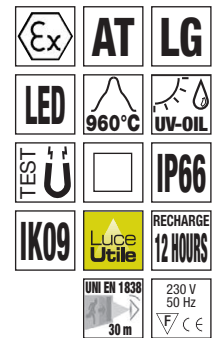
\*\* Indicative power for comparison with fluorescent tube lighting

## ACCESSORIES: PROVIDED WITH

Code	Description	Pcs
15009	RH/LH low screen (version SE AT excluded)	1

## ACCESSORIES: TO BE ORDERED SEPARATELY

Code	Description	Pcs
15010	RH/LH flag screen	1
15011	DH flag screen	1
15012	false ceiling / recessed bracket	1
15016	bracket for flag installation	1
15017	ATEX kit	1



## AutoTest

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
8	15000	ACC LED 8 W SE AT 1N	SE	1 h	NiCd 7.2 V 0.75 Ah	24 Pcs	160 lm	-	1.9 W	2.5	6
8	15001	ACC LED 8 W SA AT 1N	SA	1 h	NiCd 7.2 V 0.75 Ah	24 Pcs	160 lm	96 lm	4 W	2.5	6
24	15002	ACC LED 24 W SE AT 1N	SE	1 h	NiCd 7.2 V 0.75 Ah	24 Pcs	224 lm	-	1.9 W	2.5	6
24	15003	ACC LED 24 W SA AT 1N	SA	1 h	NiCd 7.2 V 0.75 Ah	24 Pcs	224 lm	135 lm	6.3 W	2.5	6
24	15008	ACC LED 24 W SE/SA AT 1/3N	SE/SA	1/3 h	NiMH 7.2 V 1.2 Ah	24 Pcs	224 - 224 - 125 lm	157 lm	6.5 W	2.5	6

\* Indicative power just for fluorescent fixtures comparison purpose

## [LOGICA]

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
8	15004	ACC LED 8 W SE/SA/PS LG 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	24 Pcs	145/105/95 lm	145 lm	1.9/4 W	2.5	6
24	15006	ACC LED 24 W SE/SA/PS LG 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	24 Pcs	220/175/145 lm	220 lm	1.9/4 W	2.5	6

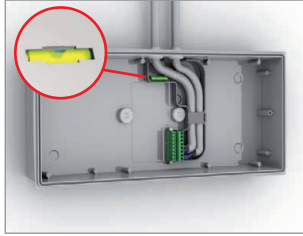
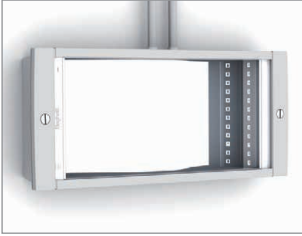
\* Indicative power just for fluorescent fixtures comparison purpose

## [LOGICA]fm

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
8	15005	ACC LED 8 W SE/SA/PS LGFM 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	24 Pcs	145/105/95 lm	145 lm	1.9/4 W	2.5	6
24	15007	ACC LED 24 W SE/SA/PS LGFM 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	24 Pcs	220/175/145 lm	220 lm	1.9/4 W	2.5	6

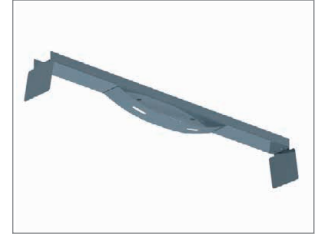
\* Indicative power just for fluorescent fixtures comparison purpose

**WALL/CEILING INSTALLATION – FAST TERMINAL AND LEVEL INDICATOR**



Terminal for cables from 1 to 2.5 mm<sup>2</sup> with two inputs for each terminal

**RECESSED WALL INSTALLATION**



**15012** bracket for recessed installation

to be ordered separately

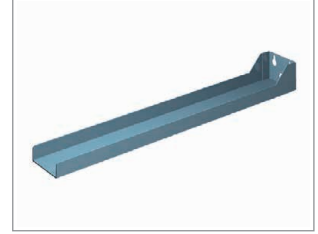
**FLAG CEILING INSTALLATION/FALSE CEILING INSTALLATION**



**15010** housing + flag screen RH/LH  
**15011** housing + flag screen low  
**15012** false ceiling / recessed bracket

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

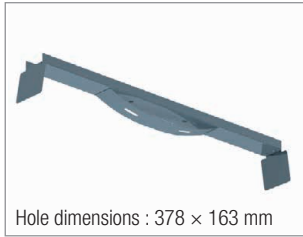
**WALL FLAG INSTALLATION**



**15016** bracket for flag installation  
**15010** housing + flag screen LH/RH  
**15011** housing + flag screen low

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

**CEILING RECESSED INSTALLATION**

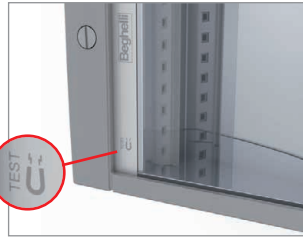


Hole dimensions : 378 × 163 mm

**15012** false ceiling / recessed bracket

to be ordered separately

**MAGNETIC FIXTURE TEST BUTTON**

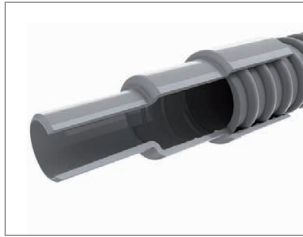
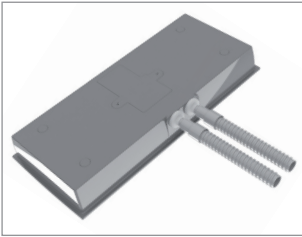


– REED ampoule and magnetic key



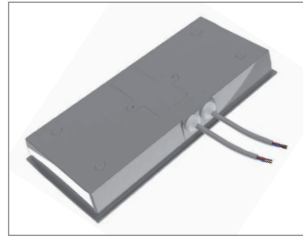
supplied with

**INVISIBLE CONNECTOR**



supplied with

**IP PLUG FOR WIRING**



supplied with



# 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/m<sup>2</sup>). 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

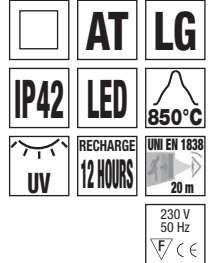
Material: aluminium frame and polycarbonate bracket RAL 7035

New optical system with high efficiency.

Degree of protection: IP 42

Rated voltage: 230 V/50 Hz

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

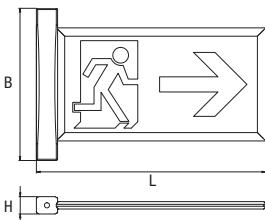


## ACCESSORIES: PROVIDED WITH

Code	Description
-	screen LEFT/RIGHT/DOWN

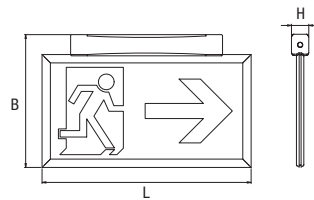
## ACCESSORIES: TO BE ORDERED SEPARATELY

Code	Description
<b>19380</b>	brackets 250 mm Indica DF
<b>19381</b>	brackets 500 mm Indica DF
<b>19382</b>	brackets 1000 mm Indica DF
<b>19383</b>	Indica DF 2 m wire suspension
<b>19384</b>	20 m false ceiling recessed bracket



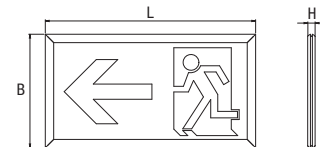
## Wall double-sided version

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



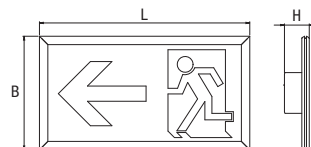
## Ceiling double-sided version

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

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
2.1	<b>19309</b>	Indica LED DF20M AT SA/PS 1/3H	SA/PS	1/3 h	NiMH 7.2 V 0.6 Ah	24 Pcs	192/64 lm	115 lm	3.5 W	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 W	0.52	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
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 W	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 BRACKETS**



**19380** brackets 250 mm Indica DF  
**19381** brackets 500 mm Indica DF  
**19382** brackets 1000 mm Indica DF

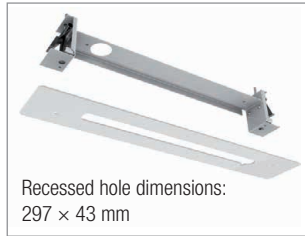


to be ordered separately  
to be ordered separately  
to be ordered separately

**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>19319</b>	Indica LED SF20M AT SA/PS	1/3H SA/PS	1/3 h	NiMH 7.2 V 0.75 Ah	16 Pcs	96/55 lm	68 lm	2.6 W	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 W	0.65	6

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

**[LOGICA]fm**

**Single-sided version** 

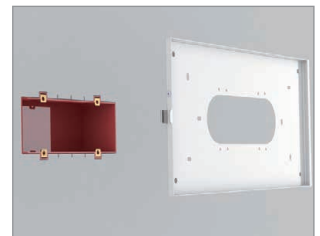
W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
1	<b>19317</b>	Indica LED SF20M LGFM SAPS	1/2/3H SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	16 Pcs	96/96/55 lm	68 lm	2.6 W	0.65	6

\* 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/m<sup>2</sup>). 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

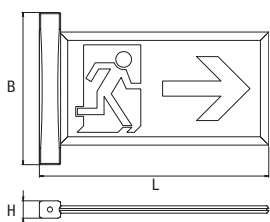
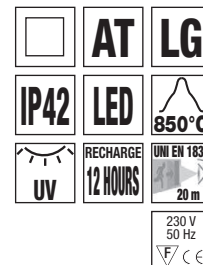
Body: aluminium frame and polycarbonate bracket RAL 7035

New optical system with high efficiency

Degree of protection: IP 42

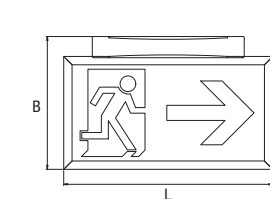
Rated voltage: 230 V/50 Hz

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



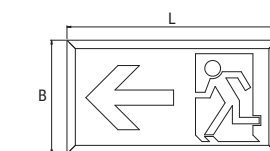
### Wall double-sided version

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

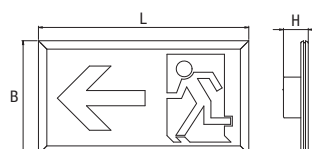
DV	• Dimensions (mm) •		
	L	B	H
30	335	185	15

### ACCESSORIES: PROVIDED WITH

Code	Description
-	screen LEFT/RIGHT/DOWN

### ACCESSORIES: TO BE ORDERED SEPARATELY

Code	Description
19380	brackets 250 mm Indica DF
19381	brackets 500 mm Indica DF
19382	brackets 1000 mm Indica DF
19383	Indica DF 2 m wire suspension
19386	30 m false ceiling recessed bracket



### 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	19308	Indica LED DF30M AT SA/PS 1/3H	SA/PS	1/3 h	NiMH 7.2 V 0.6 Ah	48 Pcs	288/160 lm	205 lm	4.2 W	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 W	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 W	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 BRACKETS**



**19380** brackets 250 mm Indica DF

**19381** brackets 500 mm Indica DF

**19382** brackets 1000 mm Indica DF



to be ordered separately

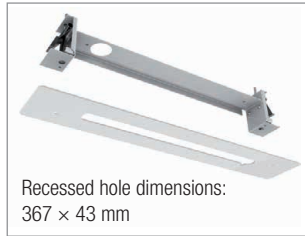
to be ordered separately

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>19318</b>	Indica LED SF30M AT SA/PS	1/3H SA/PS	1/3 h	NiMH 7.2 V 0.75 Ah	32 Pcs	288/160 lm	205 lm	3 W	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 W	1.1	6

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

**[LOGICA]fm**

**Single-sided version** 

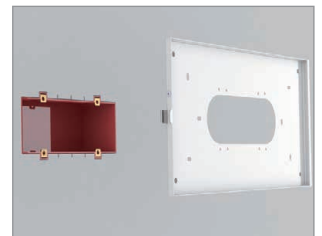
W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
1.6	<b>19316</b>	Indica LED SF30M LGFM SAPS	1/2/3H SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	24 Pcs	288/288/160 lm	205 lm	3 W	1.1	6

\* 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

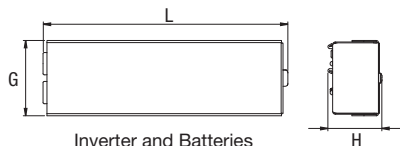
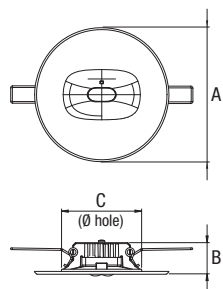
Material: white polycarbonate RAL 9010

Optical part: High-transparency plexiglas optical lenses

Degree of protection: IP 43

Rated voltage: 230 V/50 Hz

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



Inverter and Batteries

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

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



## ACCESSORIES: PROVIDED WITH

Code	Description
–	LUNGALUCE lens with cover
–	LARGALUCE lens with cover

## AutoTest

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
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 W	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 W	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 W	0.8	6

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

## [LOGICA] fm



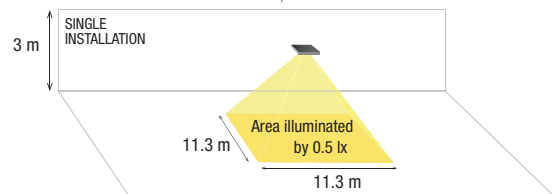
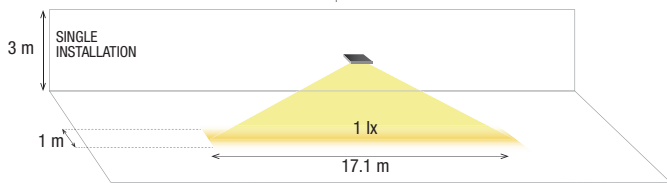
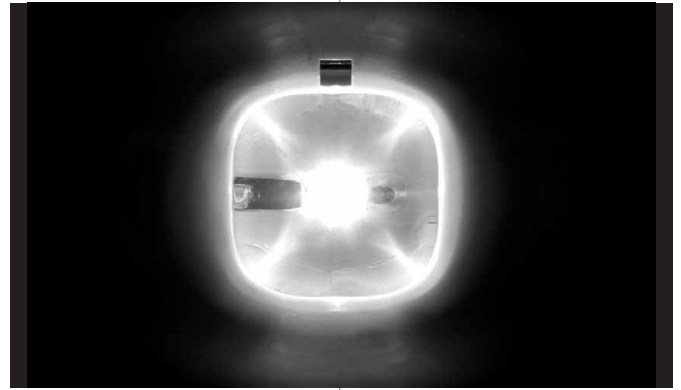
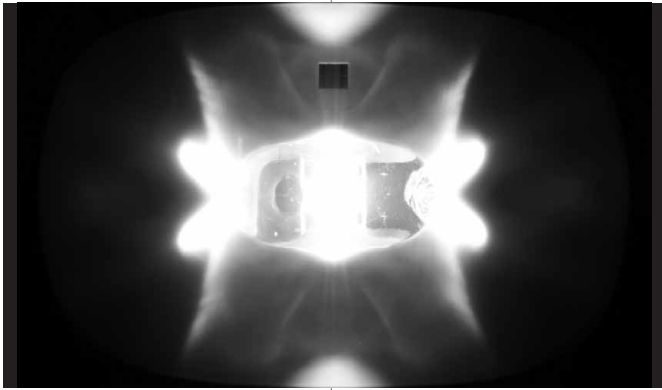
W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
24	19333	L.LARG DW RC LGFM 24 W SE/SA/PS 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7.2 V 1.2 Ah	1 Pc	180/180/100 lm	126 lm	2/7.5 W	0.8	6

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



### LUNGALUCE LENS

### LARGALUCE LENS

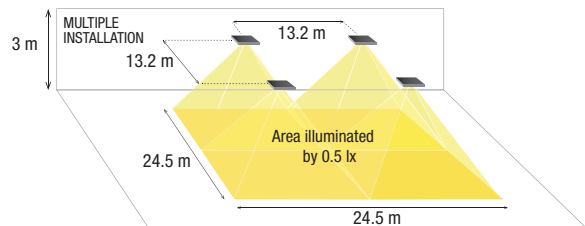
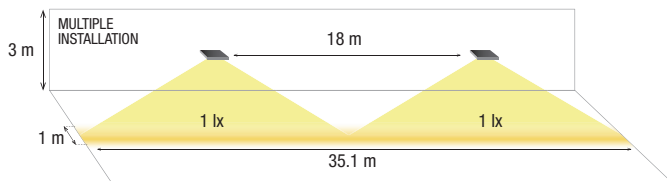


#### Single installation

covers an escape route of 17.1 m with 1 lux 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 lux (128 m<sup>2</sup>)



#### 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

#### 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 m<sup>2</sup>)

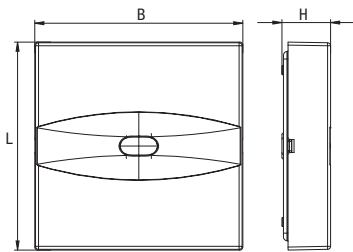
# Pluraluce LED



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.

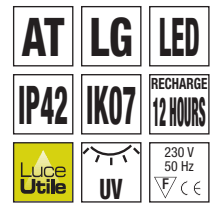
## Technical data

Mounting: surfaced on ceiling  
 Degree of protection: IP 42  
 Body: white polycarbonate RAL 9010  
 Rated voltage: 230 V/50 Hz  
 Optical part: High-transparency plexiglas optical lenses  
 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

Code	Description
-	LUNGALUCE lens with cover
-	LARGALUCE lens with cover
-	DIFFUSALUCE lens with cover

## AutoTest

W	Code	Type	Version	Duration	Battery	LED	Luminous flux SE*	Luminous flux SA*	Absorption W	Kg	Pckg/pcs
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 W	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 W	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 W	0.6	6

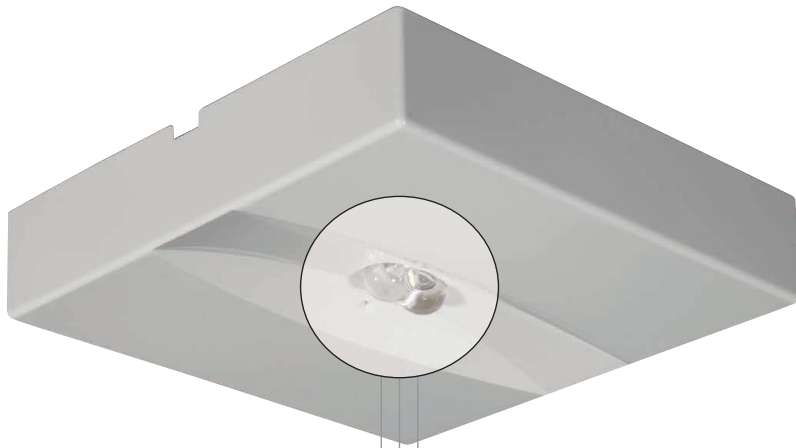
\* Minimum flow guaranteed according to EN 60598-2-22

## [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 W	0.6	6

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



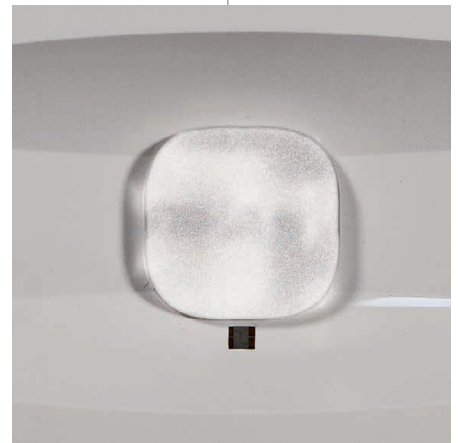
**Lungaluce lens**

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



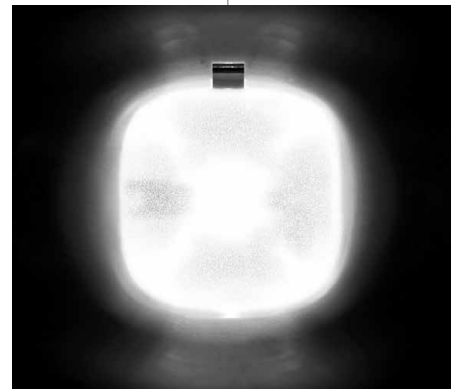
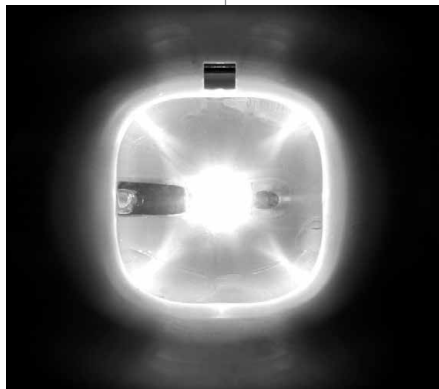
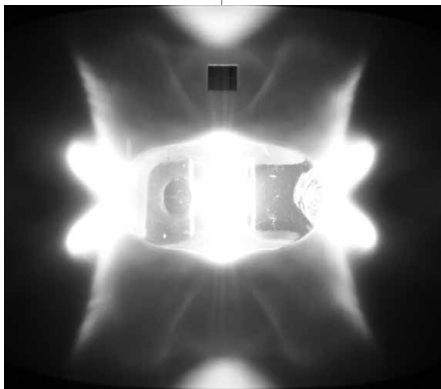
**Largaluce lens**

installed at a height of 3 m illuminates a surface area of  $11.3 \times 11.3$  m at 0.5 lux (128 m<sup>2</sup>)



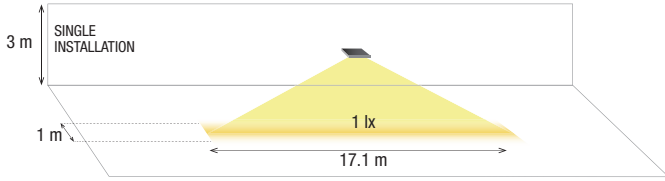
**Diffusaluce lens**

A wall mounted diffusa luce lens at a height of 2.5 m illuminates a surface area of  $7 \times 3$  m at 0.5 lux (21 m<sup>2</sup>)



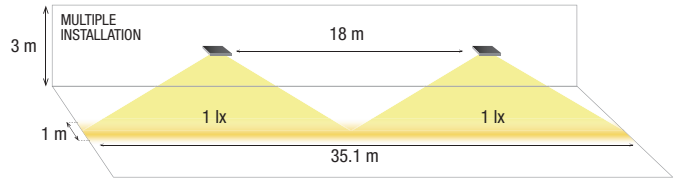
# Lighting performance on the ground

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

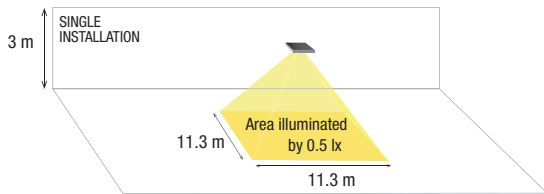


**Single installation**  
covers an escape route of 17.1 m with 1 lux along the centre line and > 0.5 within 1 m

**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

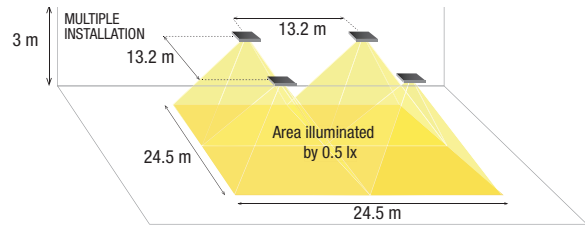


## Largaluce lens – installation at 3 m from the ground

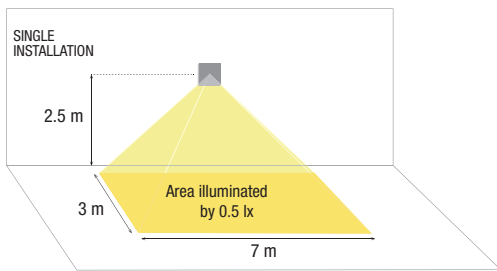


**Single installation**  
illuminates a surface area of 11.3 × 11.3 m at 0.5 lux (128 m<sup>2</sup>)

**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 m<sup>2</sup>)

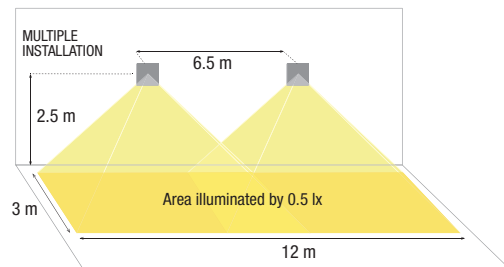


## Diffusaluce lens – installation at 2.5 m from the ground



**Single installation**  
illuminates a surface area of 7 × 3 m at 0.5 lux (21 m<sup>2</sup>)

**Multiple installation, centre distance of 13.7 m between fixtures**  
illuminates a surface area of 12 × 3 m at 0.5 lux (36 m<sup>2</sup>)



LENS	Lamps	Coverage
<b>LUNGALUCE</b> 3 m	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> 3 m	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</b> 2.5 m	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
99-0052	→ adhesive legend RIGHT	1
99-0052	↓ adhesive legend DOWN	2
99-0081	bracket for wall mounting (for surfaced version only)	1

#### Technical data

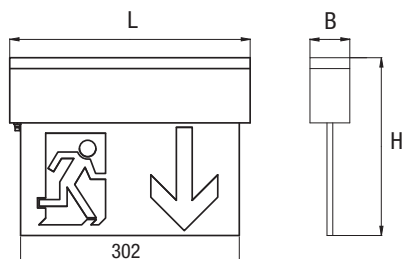
Mounting: surfaced on ceiling or recessed into ceiling

Rated voltage: 230 V / 50 Hz

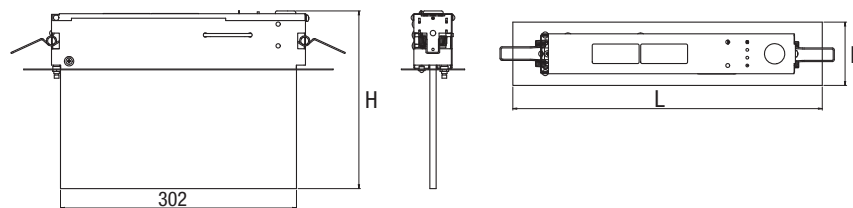
Body: steel sheet finished by powder technology varnishing in white color

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 W	-	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 W	-	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 W	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 W	350 × 55	2.8	1

\* Standard type supplied with emergency test switch



# Central and group battery systems

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

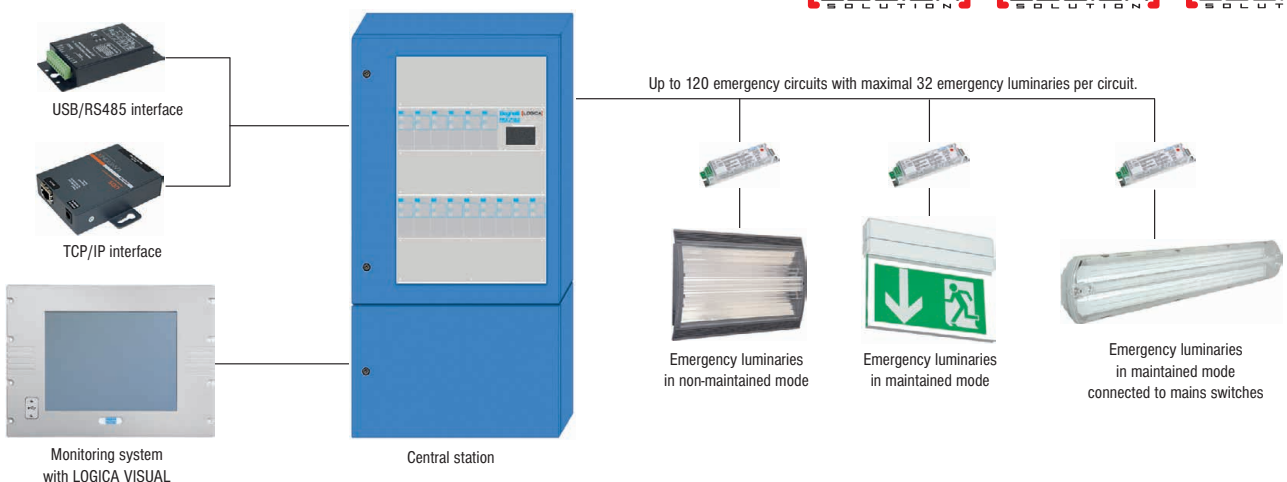
- simple and cheap maintenance of the system
- high efficiency lighting in Safe Mode
- wide range of usable light sources (LED, CCFL, T5, T8, high pressure lamps...)
- possibility of changing autonomy with regard to installed capacity battery
- supervision and management in one place
- not necessary 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



## Central battery system spreadsheet



# Photometric diagrams and Luce Utile



The figure in lux refers to the illuminance value at ground level which the fixture can reach, with an established installation height. The figure in metres corresponds instead to the surface area (side x side) which the fixture illuminates with the minimum value indicated in EN 1838.

By combining the two data, elements are provided for the immediate evaluation of the lighting characteristics of an emergency luminaire.

## Aestetica LED



Luce Utile: illuminance value (Lux) and illuminated surface (m)

W	H 2.5 m		H 3 m		H 6 m		H 6 m	
	lx	m	lx	m	lx	m	lx	m
6	-	-	1.08	-	-	-	-	-
8	1.11	-	1.80	5.5 × 4	-	-	-	-
11	1.34	-	2.16	6 × 4.5	-	-	-	-
24	2.12	6 × 4	3.42	8 × 6	-	-	0.88	8 × 10

## Formula 65 LED



Luce Utile: illuminance value (Lux) and illuminated surface (m)

W	H 2.5 m		H 3 m		H 6 m		H 6 m	
	lx	m	lx	m	lx	m	lx	m
6	-	-	1.08	-	-	-	-	-
8	1.42	-	1.70	5.5 × 4	-	-	-	-
11	1.55	-	1.86	6 × 4.5	-	-	0.50	-
24	2.90	6 × 4	3.48	8 × 6	1.00	-	0.88	8 × 10

## Acciaio LED



Luce Utile: illuminance value (Lux) and illuminated surface (m)

W	H 2.5 m		H 3 m		H 6 m		H 6 m	
	lx	m	lx	m	lx	m	lx	m
8	2.20	5 × 3.5	2.48	8.5 × 5	-	-	0.58	9.5 × 5
24	3.09	6 × 4	3.47	9.5 × 6	-	-	0.82	12.5 × 7

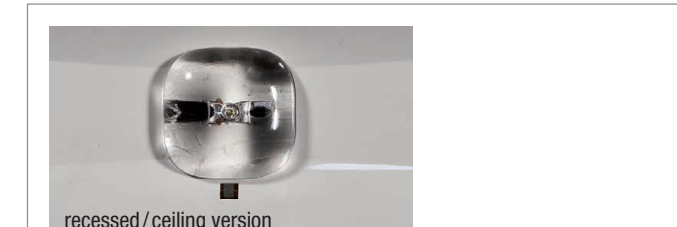
## Logica LED



Luce Utile: illuminance value (Lux) and illuminated surface (m)

W	H 2.5 m		H 3 m		H 6 m		H 6 m	
	lx	m	lx	m	lx	m	lx	m
8	5.32	7 × 4	3.49	11 × 5	-	-	0.72	14 × 8
11	6.64	7.5 × 4.5	4.36	12 × 6	1	13 × 3	0.90	15 × 8
24	7.97	8 × 5	5.24	13 × 6	1.2	15 × 4	1.09	15 × 9

## Pluraluce LED



Luce Utile: illuminance value (Lux) and illuminated surface (m)

W	H 2.5 m		H 3 m		H 6 m		H 3 m	
	lx	m	lx	m	lx	m	lx	m
24	-	-	-	-	-	-	0.94	12 × 12

# 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.

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14811	11	19043	16,17	19308	24	35-909/414/TW	8	A11-10026CM	5
14812	11	19044	16	19309	22	36-999/414/NW	9	A11-10026CW	5
14813	11	19044	16	19314	25	36-999/414/TW	9	A12-10033C	12
14814	11	19045	16	19315	23	58-009/801/N	31	A12-10034C	12
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15003	20	19203	17	19319	23	95-1331.1840	3	A236CLED	11
15004	20	19204	17	19322	28	99-0051	31	A236CLED+20096	11
15005	20	19205	17	19323	28	99-0052	31	A236LED	11
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## 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).

## 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).



# 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.



Certificate ENEC 21 (EZÚ Prague)  
Certificate ENEC 03 (IMQ Italy)



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



LED lamp



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

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