

GENERAL CHARACTERISTICS

Equivalent Power* 1x36, 2x36, 1x58, 2x58, 2x80W (TOP, ATEX)

Power supply **SD version:** Universal Multi Voltage
93÷265 Vac - 50/60Hz 176÷250 Vdc
ED version: 230Vac ±10% 50 Hz

Standard EN 60598-1, EN 60598-2-1,
EN 60598-2-22 (fundamental
requirements), UNI9554:1989,
DIN 18032-3:1997-04, EN 62471
(Photobiological hazard),
ATEX 2014/34/UE

Protection grade IP66, IK09

Working temp. -30 ÷ +40°C (50°C SD ver)

Mounting ceiling, suspension, busbar trunking

Housing Polyester powder coated
sheet steel RAL 7035 grey

Head Caps Technopolymer PC+PBT

Louvre Wide anti-glare aluminium

Driver **SD version:**
SELV electronic SD (Cos $\varphi \geq 0,96$)
with intelligent dimming
ED version:
electronic ED (Cos $\varphi \geq 0,95$)

MTBF Control gear** 80.000h

Luminous flux >60.000h (versioni 2x) (L80B20)
maintenance** >70.000h (versioni 1x) (L80B20)

Colour deviation 3 SDCM

* Equivalent power for comparison with metal halide device

** At environmental reference temperature of 25°C

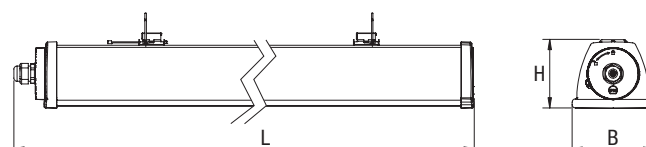
Acciaio Eco LED

Waterproof ceiling fitting

Acciaio Eco LED is the reply to the request for products with a high technological content for particularly demanding applications in high-risk areas. The steel housing and glass diffuser present both excellent mechanical resistance (IK09) and resistance to aggressive chemical agents. In the industrial field, it is ideally used in installations in environments with an explosive atmosphere, caused either by alterations of a gaseous type or by the presence of combustible powders suspended in the air (according to Standard ATEX 2014/34/ EU for zones 02 and 22).

The optic system is composed of a diffuser subdivided into 12 cells for optimal light distribution, and a special microprismatic glass with very high light transmittance for greater visual comfort.

Acciaio Eco LED is suitable for heavy-duty use even in outdoor environments directly exposed to inclement weather: it is designed to resist mechanical vibrations and electromagnetic disturbances typical of industrial environments.



Power* W	• Dimensions (mm) •			Weight max kg
	L	B	H	
1x36	1225	108	90	3.2
2x36	1225	108	90	3.2
1x58	1225	108	90	3.2
2x58	1225	108	90	3.2
2x80	1565	108	90	3.9

Accessories **SD**

supplied

Order code	Description
15040	OPTICOM PHOTOSENSOR ACCIAIO

Accessories

to be ordered separately

Order code	Description
20107	WIDE ACC DIFFUSER 1200
15019	INPUT DOUBLE COUPLING M20
15018	KIT ATEX ACCIAIO ECO (supplied with 2x80 version)
20122	ORIENTABLE BRACKET
20082	MOD EM ACC LED/T5 TR SE1NRM
20085	MOD EM ACC LED/T5 AT/LG SE1/3H
20086	MOD EM ACC LED/T5 LGFM SE 1/3H
418319000	CABLE GLAND M20 WITH VENTILATION VALVE

Building automation **SD**

to be ordered separately

Cod. ord.	Descrizione
20102	BUILDING AUTOMATION CENTRAL UNIT
20124	BUILDING AUTOMATION CENTRAL UNIT+WIFI
20104	2 INPUT INTERFACE - RADIO TRANSMITTER
15022	BUILDING AUTOMATION RADIO MODULE
15024	DALI MODULE
15034	1-10V MODULE

SPECIAL VARIANTS: COLOUR RENDERING ≥ 90 - COLOUR TEMPERATURE ON REQUEST - WITH THREE-PHASE THROUGH WIRING - WITH POLYCARBONATE DIFFUSER (HACCP) - SICURO 24 (SLGS) Contact the Beggelli sales network

DOMOTIC RADIO MODULE

1÷10V MODULE

DALI MODULE

PLUG&LIGHT MODULE

OPTIONAL MODULES TO EXTEND BEGHELLI SD TOWIFI CONTROL OR DALI / 1-10V SYSTEMS AND EMERGENCY



INTELLIGENT PHOTOSENSOR

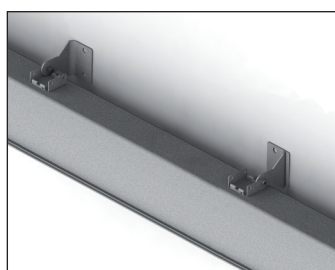
1. **Autodimmer Natural Light**
2. **Autodimmer Dynamic Light**
3. **opticom TECHNOLOGY Smartphone Interface to control and set up system**

MODULE FOR EMERGENCY LIGHTING



- 20082 to be ordered separately
- 20085 to be ordered separately
- 20086 to be ordered separately

WALL BRACKET



20122 to be ordered separately

Efficiency and dimming

The increase in luminous efficacy (lm/W) and the useful life of the device may vary significantly according to the degree of dimming. Assuming an average level of 50% of the luminous flux, the following results are obtained with the Acciaio Eco LED:

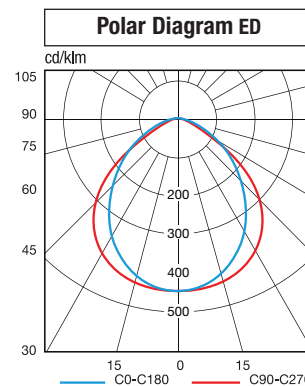
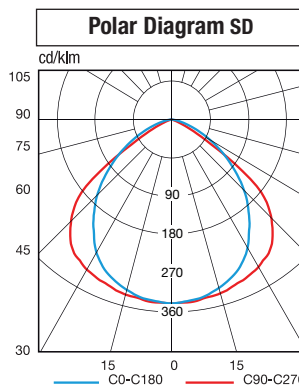
- Dimming SD** 50%
- Device duration** +40%
- Luminous efficiency** +10%

EMERGENCY WITH LED INVERTER

TR AT LG LGFM

- 19358** INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V to be ordered separately (version SD only)
- 19359** INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V to be ordered separately (version SD only)
- 19367** INVERTER PLUG&LIGHT LED SE/SA 1H 60-120V to be ordered separately (version ED only)
- 19355** INV LED AT/LG 6W 55V 123H (addressable) to be ordered separately
- 19356** INV LED LGFM 6W 55V 123H (addressable) to be ordered separately
- RA02***** AUTORIPARA INVERTER BATTERY 7.2V 1.7Ah to be ordered separately

***Contact the Beghelli sales network for availability



Acciaio Eco LED

SmartDriver **SD**

Power* W	Order code	Description	LED Power W	Colour Temp. K	Colour rendering	Power consumption Max W	N° LEDs	Flux of LEDs lm (Tj=25°C)	Flux of fixture lm	Luminous efficiency lm/W	Energy Class	Packaging
2x18	A218ESD	ACCIAIO E LED 2x18 SD 4000K	11	4000	>80	12	32	1850	1600	135	A++	1
1x36	A136ESD	ACCIAIO E LED 1x36 SD 4000K	15	4000	>80	20	48	3150	2700	135	A++	1
2x36	A236ESD	ACCIAIO E LED 2x36 SD 4000K	30	4000	>80	35	96	5570	4700	135	A++	1
1x58	A158ESD	ACCIAIO E LED 1x58 SD 4000K	23	4000	>80	29	72	4400	3800	131	A++	1
2x58	A258ESD	ACCIAIO E LED 2x58 SD 4000K	46	4000	>80	52	144	8350	7000	135	A++	1
2x80	A280ESD	ACCIAIO TOP LED 2x80 SD 4K	68	4000	>80	74(56***)	180	11800	9900	135	A++	1
1x36	A136E**	ACCIAIO E LED 1x36 D 4000K	17	4000	>80	22	48	3150	2700	120	A++	1
2x36	A236E**	ACCIAIO E LED 2x36 D 4000K	35	4000	>80	40	96	5570	4700	120	A++	1
1x58	A158E**	ACCIAIO E LED 1x58 D 4000K	26	4000	>80	32	72	4400	3800	120	A++	1
2x58	A258E**	ACCIAIO E LED 2x58 D 4000K	52	4000	>80	58	144	8350	7000	120	A++	1

Acciaio Eco LED

Eco Driver **ED**

Power* W	Order code	Description	LED Power W	Colour Temp. K	Colour rendering	Power consumption Max W	N° LEDs	Flux of LEDs lm (Tj=25°C)	Flux of fixture lm	Luminous efficiency lm/W	Energy Class	Packaging
2x36	A236ED	ACCIAIO ED LED 2x36 4000K	34	4000	>80	36	96	5400	4400	124	A++	1
2x58	A258ED	ACCIAIO ED LED 2x58 4000K	50	4000	>80	52	144	8050	6400	122	A++	1

** version with electronic Driver with traditional technology

*** The power consumption has an auto derating to the power indicated in parenthesis if the product is powered by voltage less than 150 Vac. LED power, LED Flux and output Flux from the device will be reduced in proportion to the power derating.

INDUSTRIAL LIGHTING