

Acciaio Extreme LED

Industrial LED luminaire

This luminaire is suitable for outdoor installations for particularly demanding applications in high-risk areas. The stainless steel housing and extruded aluminium terminals grant an excellent mechanical resistance and resistance to aggressive chemical agents. It is suitable for installations according to Standard ATEX 2014/34/UE zone 02-22, for through wiring and continuous raw installations.

The optic system consists of a reflector subdivided into aluminium cells preventing any glare and of a microprismatic glass with very high light transmittance.

This luminaire has a very high oxidation and erosion-corrosion resistance, and it is designed to resist mechanical vibrations and electromagnetic disturbances typical of industrial environments.



GENERAL CHARACTERISTICS

- Equivalent Power*** 2x 36, 2x 58, 2x 80 W
- Power supply** 93–265 V_{AC} 50/60 Hz 176–250 V_{DC}
- 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
- Working temp.** -30 °C ÷ +50 °C****
- Mounting** ceiling, suspension, busbar trunking
- Body** stainless steel Aisi 304
- Head Caps** die-cast aluminium
- Louvre** Wide anti-glare aluminium
- Screen** micro-prismatic Tempered glass
- Driver** **SD Version:**
SELV electronic SD (cos $\varphi \geq 0.96$)
with intelligent dimming
- MTFB Control gear**** 80 000 h
- Luminous flux maintenance**** >60 000 h (L80B20)
- Colour deviation** 3 SDCM

* Equivalent power for comparison with metal halide device
 ** At environmental reference temperature of 25 °C
 **** At highest working temperature thermal protection may reduce the output power.



Power * W	• Dimensions (mm) •			Weight max kg
	L	B	H	
2x 36	1 199	109	88	3.3
2x 58	1 199	109	88	3.3
2x 80	1 484	109	88	4.0

Accessories

supplied

Order code	Description
-	THROUGH WIRING KIT
-	ATEX KIT

Accessories

to be ordered separately

Order code	Description
15019	INPUT DOUBLE COUPLING M20
20123	ADJUSTABLE WALL BRACKET
20125	POLE MOUNTING BRACKET

SPECIAL VARIANTS: COLOUR TEMPERATURE ON REQUEST, COLOUR RENDERING ≥ 90
 Contact the Beghelli sales network

Accessories **SD**

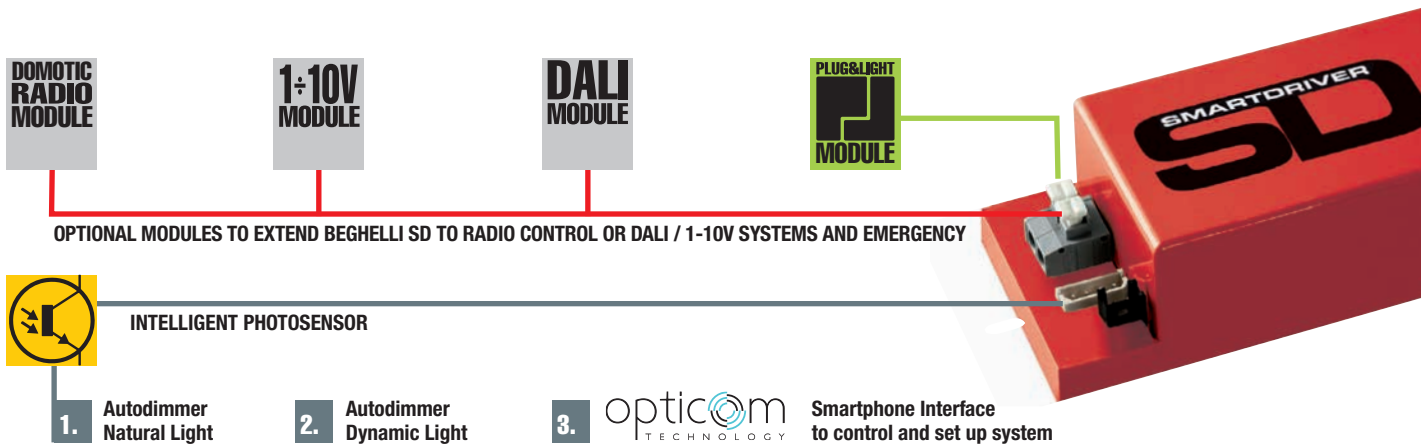
supplied

Order code	Description
15040	OPTICOM PHOTOSENSOR ACCIAIO

Building automation **SD**

to be ordered separately

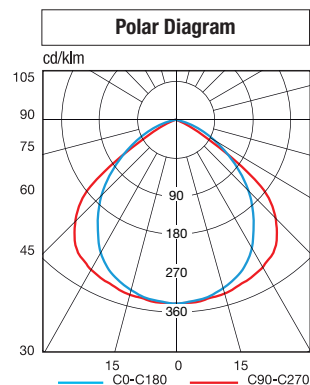
Order code	Description
20102	BUILDING AUTOMATION CENTRAL UNIT
20124	BUILDING AUTOMATION CENTRAL UNIT WIFI
20104	2 INPUT INTERFACE – RADIO TRANSMITTER
15022	BUILDING AUTOMATION RADIO MODULE
15024	DALI MODULE
15034	1-10V MODULE



Efficiency and dimming

The increase in luminous efficacy (lm/W) and the useful life of the device may vary significantly according to the degree to which it is dimmed. Assuming an average level of 50% of the luminous flux, the following results are obtained with the Acciaio Extreme 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	<i>to be ordered separately</i>
19359	INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V	<i>to be ordered separately</i>
19355	INVERTER LED AT/LG 6W 55V 123H	<i>to be ordered separately</i>
19372	INVERTER LED AT/LG 8W 55V 123H	<i>to be ordered separately</i>
19390	INVERTER EXT AT/LG 15W 55V 0,75-1-2-3-8H LTO	<i>to be ordered separately</i>
19391	INVERTER EXT AT/LG 15W 55V 0,75-1-2-3-8H LiFe	<i>to be ordered separately</i>

LG Inverters can be transformed in LGFM with the accessory code 19375

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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	lm/W	Energy Class	Packaging
2× 36	A236EXSD	ACCIAIO EX LED 2x36 SD 4000K	32	4 000	≥80	35	90	5 500	4 700	135	A++	1
2× 58	A258EXSD	ACCIAIO EX LED 2x58 SD 4000K	47	4 000	≥80	52	144	8 200	7 000	135	A++	1
2× 80	A280EXSD	ACCIAIO EX LED 2x80 SD 4000K	67	4 000	≥80	74	180	11 600	9 900	135	A++	1