

Atomic LED

Recessed LED luminaire – separate / coupling in lines
(dimensional options 1.2 m / 1.5 m / 2.3 m / 2.9 m)

Atomic LED is characterized by a very good lighting efficiency, which ensures the high comfort of illumination. The luminaire is suitable for lighting in restaurants, shops, hotels, finance houses, corridors and stairways. Housing is made of anodized aluminium profile with steel endings. Equipped with frosted acrylic diffuser or micro-prism optic system. Available with an emergency LED inverter for emergency usage.



GENERAL CHARACTERISTICS

Equivalent Power* 2x 36, 2x 58, 2x 80 W

Power supply SD Version: 93–265 V_{AC} 50/60 Hz
176–250 V_{DC}

ED Version: 230 V_{AC} ±10 % 50 Hz

Standard EN 60598-1, EN 60598-2-2,
EN 60598-2-22 (fundamental require-
ments), EN 62471 (photobiological
hazard)

Protection grade IP40

Working temp. -20 °C ÷ +40 °C

Mounting recessed mounting in plaster ceilings
SEPARATE (endings are components of
the luminaire), recessed mounting in
plaster ceilings COUPLING IN LINES
(endings to be ordered separately)

Body anodized aluminium profile and steel
endings in grey

Diffuser frosted acrylic or microprismatic optics

Driver SD Version:
SmartDriver (cos φ ≥ 0.96)

ED Version:
Eco Driver (cos φ ≥ 0.95)

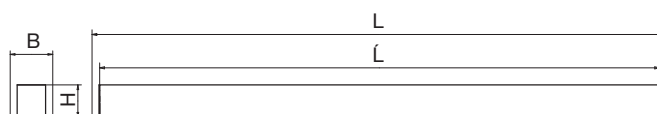
MTFB Control gear** 65 000 h

Luminous flux maintenance**
>60 000 h (L80B20)

Colour deviation 3 SDCM

* Equivalent power for comparison with fluorescent tube fixtures

** At environmental reference temperature of 25 °C



SmartDriver

W	• Dimensions (mm) •				Weight kg
	L' (profile without end.)	L (incl. endings)	B	H	
2x 36 SD	1 177	1 197	77	56	2.5
2x 58 SD	1 177	1 197	77	56	2.5
2x 80 SD	1 467	1 487	77	56	4.0
(2x) 2x 36 SD	2 348	2 368	77	56	5.0
(2x) 2x 80 SD	2 970	2 990	77	56	8.0

Version (2x) 2x 36 SD and (2x) 2x 80 SD include 2x SD and 2x OPTICOM.

Eco Driver

W	• Dimensions (mm) •				Weight kg
	L' (profile without end.)	L (incl. endings)	B	H	
2x36	1 156	1 176	77	56	2.5
2x58	1 156	1 176	77	56	2.5
2x80	1 446	1 466	77	56	4.0
(2x) 2x 36	2 306	2 326	77	56	5.0
(2x) 2x 80	2 928	2 948	77	56	8.0

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 Atomic LED:

Dimming SD 50 %
Device duration +40 %
Luminous efficiency +15 %

Building automation 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

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

Accessories supplied (SD version)

Order code Description

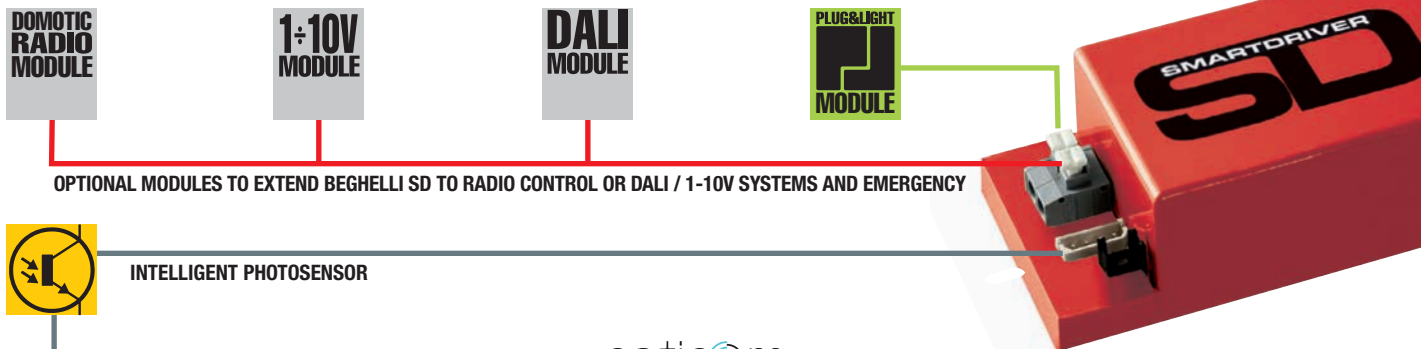
15039 OPTICOM PHOTOSENSOR

Accessories to be ordered separately

Order code Description

99-0124 ENDING FOR RECESSED VERSION COUPLING IN LINES (1 pc)

99-0125 COUPLER FOR LUMINAIRES COUPLING IN LINES



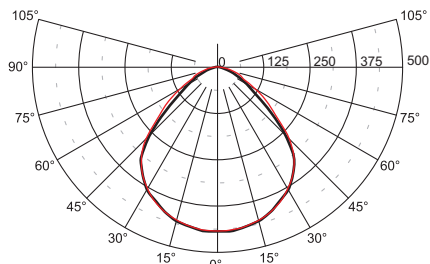
OPTIONAL MODULES TO EXTEND BEGHELLI SD TO RADIO CONTROL OR DALI / 1-10V SYSTEMS AND EMERGENCY

INTELLIGENT PHOTOSENSOR

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

INVERTER	EMERGENCY WITH LED INVERTER		TR	AT	LG	LGFM
		19358	INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V	to be ordered separately		
		19359	INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V	to be ordered separately		
		19355	INV LED AT/LG 6W 55V 123H	to be ordered separately		
		19356	INV LED LGFM 6W 55V 123H	to be ordered separately		
	RA02***	AUTORIPARA INVERTER BATTERY 7.2 V 1.7 Ah	to be ordered separately			

*** Contact the Beghelli sales network for availability



[1] cd/1 000 lm — C0-C180 — C90-C270

Polar Diagram

Atomic LED

SmartDriver

Separate mounting

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
2x 36	A11-10016CMSD	Atomic LED 2x36 SD 4000K 1.2m	36	4 000	>80	40	96	4 180	3 483	87	A+	1
2x 36	A11-10016CWS	Atomic LED 2x36 SD 4000K 1.2m	36	4 000	>80	40	96	4 180	3 430	86	A+	1
2x 58	A11-10017CMSD	Atomic LED 2x58 SD 4000K 1.2m	54	4 000	>80	59	144	6 280	5 235	89	A+	1
2x 58	A11-10017CWS	Atomic LED 2x58 SD 4000K 1.2m	54	4 000	>80	59	144	6 280	5 170	88	A+	1
2x 80	A11-10032CMSD	Atomic LED 2x80 SD 4000K 1.5m	55	4 000	>80	63	180	7 970	6 640	105	A+	1
2x 80	A11-10032CWS	Atomic LED 2x80 SD 4000K 1.5m	55	4 000	>80	63	180	7 970	6 730	107	A+	1
(2x) 2x 36	A11-10029CMSD	Atomic LED (2x)2x36 SD 4000K 2.3m	72	4 000	>80	80	192	8 360	7 000	88	A+	1
(2x) 2x 36	A11-10029CWS	Atomic LED (2x)2x36 SD 4000K 2.3m	72	4 000	>80	80	192	8 360	6 860	86	A+	1
(2x) 2x 80	A11-10030CMSD	Atomic LED (2x)2x80 SD 4000K 2.9m	115	4 000	>80	128	360	15 950	13 280	104	A+	1
(2x) 2x 80	A11-10030CWS	Atomic LED (2x)2x80 SD 4000K 2.9m	115	4 000	>80	128	360	15 950	13 460	105	A+	1

Coupling in lines

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
2x 36	A11-10025CMSD	Atomic LED 2x36 SD 4000K 1.2m	36	4 000	>80	40	96	4 180	3 483	87	A+	1
2x 36	A11-10025CWS	Atomic LED 2x36 SD 4000K 1.2m	36	4 000	>80	40	96	4 180	3 430	86	A+	1
2x 58	A11-10026CMSD	Atomic LED 2x58 SD 4000K 1.2m	54	4 000	>80	59	144	6 280	5 235	89	A+	1
2x 58	A11-10026CWS	Atomic LED 2x58 SD 4000K 1.2m	54	4 000	>80	59	144	6 280	5 170	88	A+	1

Atomic LED

Eco Driver

Separate mounting

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
2x 36	A11-10016CM	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	4 180	3 483	87	A+	1
2x 36	A11-10016CW	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	4 180	3 430	86	A+	1
2x 58	A11-10017CM	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	6 280	5 235	89	A+	1
2x 58	A11-10017CW	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	6 280	5 170	88	A+	1
2x 80	A11-10032CM	Atomic LED 2x80 4000K 1.5m	69	4 000	>80	77	180	9 420	7 850	102	A+	1
2x 80	A11-10032CW	Atomic LED 2x80 4000K 1.5m	69	4 000	>80	77	180	9 420	7 740	100	A+	1
(2x) 2x 36	A11-10029CM	Atomic LED (2x)2x36 4000K 2.3m	72	4 000	>80	80	192	8 360	7 000	88	A+	1
(2x) 2x 36	A11-10029CW	Atomic LED (2x)2x36 4000K 2.3m	72	4 000	>80	80	192	8 360	6 860	86	A+	1
(2x) 2x 80	A11-10030CM	Atomic LED (2x)2x80 4000K 2.9m	138	4 000	>80	154	360	18 840	15 700	102	A+	1
(2x) 2x 80	A11-10030CW	Atomic LED (2x)2x80 4000K 2.9m	138	4 000	>80	154	360	18 840	15 480	100	A+	1

Coupling in lines

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
2x 36	A11-10025CM	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	4 180	3 483	87	A+	1
2x 36	A11-10025CW	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	4 180	3 430	86	A+	1
2x 58	A11-10026CM	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	6 280	5 235	89	A+	1
2x 58	A11-10026CW	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	6 280	5 170	88	A+	1

* Equivalent power for comparison with fluorescent tube fixtures; M – frosted acrylic diffuser; W – micro-prism optic system