



## GENERAL CHARACTERISTICS

- Equivalent Power\*** 2x 36, 2x 58, 2x 80 W
- Power supply** **SD Version:** 93–265 V<sub>AC</sub> 50/60 Hz  
176–250 V<sub>DC</sub>  
**ED Version:** 230 V<sub>AC</sub> ±10 % 50 Hz
- Standard** EN 60598-1, EN 60598-2-1, EN 60598-2-22 (fundamental requirements), EN 62471 (photobiological hazard)
- Protection grade** IP40
- Working temp.** -20 °C ÷ +40 °C
- Mounting** surfaced or suspended mounting  
SEPARATE (endings are components of the luminaire), surfaced or suspended mounting COUPLING IN LINES (endings to be ordered separately)
- Body** anodized aluminium profile and steel endings in grey
- Screen** frosted acrylic or microprismatic optics
- Driver** **SD Version:** SmartDriver (cos φ ≥ 0.96)  
**ED Version:** Eco Driver (cos φ ≥ 0.95)
- MTBF 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

## 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

## Accessories supplied (SD version)

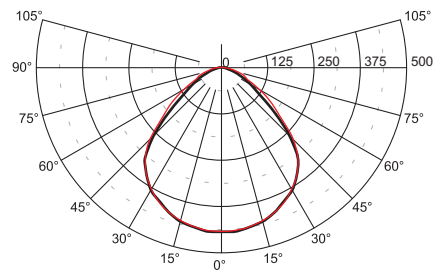
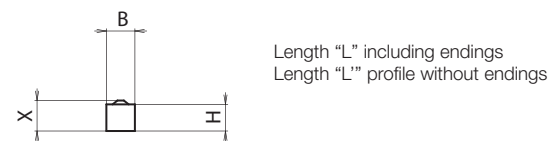
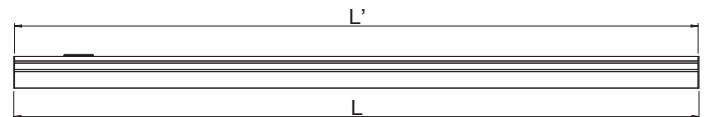
Order code	Description
15039	OPTICOM PHOTOSENSOR

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

# Atomic LED

Ceiling and suspended 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.



[1] cd/1 000 lm — C0–C180 — C90–C270

Polar Diagram

## SmartDriver

W	• Dimensions (mm) •					Weight kg
	L' (profile without end.)	L (incl. endings)	B	H	X	
2x 36 SD	1 177	1 180	60	56	61	2.5
2x 58 SD	1 177	1 180	60	56	61	2.5
2x 80 SD	1 467	1 470	60	56	61	3.3
(2x) 2x 36 SD	2 348	2 351	60	56	61	5.0
(2x) 2x 80 SD	2 970	2 973	60	56	61	6.6

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	X	
2x 36	1 156	1 159	60	56	61	2.5
2x 58	1 156	1 159	60	56	61	2.5
2x 80	1 446	1 449	60	56	61	3.3
(2x) 2x 36	2 306	2 309	60	56	61	5.0
(2x) 2x 80	2 928	2 931	60	56	61	6.6

## Accessories

to be ordered separately

Order code	Description
90-0096N	WIRE SUSPENSION, 1 pc, 200 cm (for luminaire 1.2, 1.5 and 2.3 m 2 pcs needed, for luminaire 2.9 m 3 pcs needed)
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> )
99-0123	ENDING FOR CEILING VERSION COUPLING IN LINES (1 pc)
99-0125	COUPLER FOR LUMINAIRES COUPLING IN LINES

**DOMOTIC RADIO MODULE**

**1÷10V MODULE**

**DALI MODULE**

**PLUG&LIGHT MODULE**

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**

CEILING AND SUSPENDED

INVERTER	EMERGENCY WITH LED INVERTER		TR	AT	LG	LGFM
	<b>19358</b>	INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V	to be ordered separately			
	<b>19359</b>	INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V	to be ordered separately			
	<b>19355</b>	INV LED AT/LG 6W 55V 123H	to be ordered separately			
	<b>19356</b>	INV LED LGFM 6W 55V 123H	to be ordered separately			
<b>19372</b>	INVERTER LED AT/LG 8W 55V 123H	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 to which it is dimmed. Assuming an average level of 50% of the luminous flux, the following results are obtained with the Atomic LED:

<b>Dimming SD</b>	<b>50 %</b>
<b>Device duration</b>	<b>+40 %</b>
<b>Luminous efficiency</b>	<b>+15 %</b>

## Atomic LED

SmartDriver **SD**

### 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	<b>A11-10001CMSD</b>	Atomic LED 2x36 SD 4000K 1.2m	33	4 000	>80	37	96	5 000	4 200	114	A+	1
2x 36	<b>A11-10001CWS</b>	Atomic LED 2x36 SD 4000K 1.2m	33	4 000	>80	37	96	5 000	4 450	120	A+	1
2x 58	<b>A11-10002CMSD</b>	Atomic LED 2x58 SD 4000K 1.2m	56	4 000	>80	61	144	7 500	6 300	103	A+	1
2x 58	<b>A11-10002CWS</b>	Atomic LED 2x58 SD 4000K 1.2m	56	4 000	>80	61	144	7 500	6 600	108	A+	1
2x 80	<b>A11-10031CMSD</b>	Atomic LED 2x80 SD 4000K 1.5m	56	4 000	>80	61	180	8 000	6 700	110	A+	1
2x 80	<b>A11-10031CWS</b>	Atomic LED 2x80 SD 4000K 1.5m	56	4 000	>80	61	180	8 000	7 000	115	A+	1
(2x) 2x 36	<b>A11-10027CMSD</b>	Atomic LED (2x)2x36 SD 4000K 2.3m	66	4 000	>80	74	192	10 000	8 400	114	A+	1
(2x) 2x 36	<b>A11-10027CWS</b>	Atomic LED (2x)2x36 SD 4000K 2.3m	66	4 000	>80	74	192	10 000	8 900	120	A+	1
(2x) 2x 80	<b>A11-10028CMSD</b>	Atomic LED (2x)2x80 SD 4000K 2.9m	112	4 000	>80	122	360	16 000	13 400	110	A+	1
(2x) 2x 80	<b>A11-10028CWS</b>	Atomic LED (2x)2x80 SD 4000K 2.9m	112	4 000	>80	122	360	16 000	14 000	115	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	<b>A11-10008CMSD</b>	Atomic LED 2x36 SD 4000K 1.2m	33	4 000	>80	37	96	5 000	4 200	114	A+	1
2x 36	<b>A11-10008CWS</b>	Atomic LED 2x36 SD 4000K 1.2m	33	4 000	>80	37	96	5 000	4 450	120	A+	1
2x 58	<b>A11-10009CMSD</b>	Atomic LED 2x58 SD 4000K 1.2m	56	4 000	>80	61	144	7 500	6 300	103	A+	1
2x 58	<b>A11-10009CWS</b>	Atomic LED 2x58 SD 4000K 1.2m	56	4 000	>80	61	144	7 500	6 600	108	A+	1

## Atomic LED

Eco Driver **ED**

### 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	<b>A11-10001CM</b>	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	5 500	4 560	114	A+	1
2x 36	<b>A11-10001CW</b>	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	5 500	4 800	120	A+	1
2x 58	<b>A11-10002CM</b>	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	7 000	6 080	103	A+	1
2x 58	<b>A11-10002CW</b>	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	7 000	6 370	108	A+	1
2x 80	<b>A11-10031CM</b>	Atomic LED 2x80 4000K 1.5m	70	4 000	>80	77	180	10 000	8 470	110	A+	1
2x 80	<b>A11-10031CW</b>	Atomic LED 2x80 4000K 1.5m	70	4 000	>80	77	180	10 000	8 850	115	A+	1
(2x) 2x 36	<b>A11-10027CM</b>	Atomic LED (2x)2x36 4000K 2.3m	72	4 000	>80	80	192	11 000	9 100	114	A+	1
(2x) 2x 36	<b>A11-10027CW</b>	Atomic LED (2x)2x36 4000K 2.3m	72	4 000	>80	80	192	11 000	9 600	120	A+	1
(2x) 2x 80	<b>A11-10028CM</b>	Atomic LED (2x)2x80 4000K 2.9m	140	4 000	>80	154	360	20 000	16 900	110	A+	1
(2x) 2x 80	<b>A11-10028CW</b>	Atomic LED (2x)2x80 4000K 2.9m	140	4 000	>80	154	360	20 000	17 700	115	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	<b>A11-10008CM</b>	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	5 500	4 560	114	A+	1
2x 36	<b>A11-10008CW</b>	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	5 500	4 800	120	A+	1
2x 58	<b>A11-10009CM</b>	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	7 000	6 080	103	A+	1
2x 58	<b>A11-10009CW</b>	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	7 000	6 370	108	A+	1

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