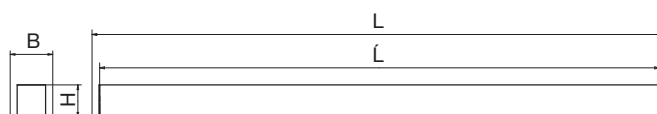


Atomic LED

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.



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 %**



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 requirements), 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)

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 **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

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

Accessories **SD** supplied (SD version)

Order code Description

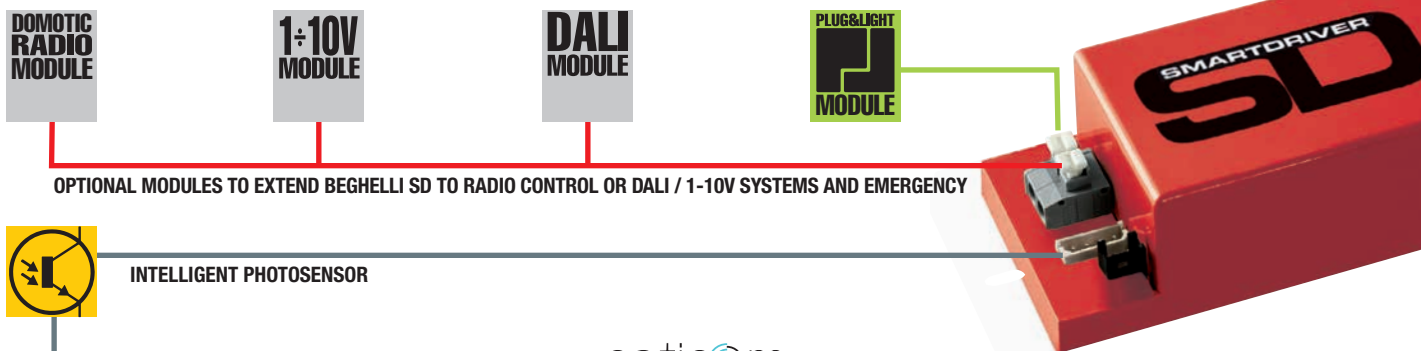
15039 OPTICOM PHOTOSENSOR

Accessories to be ordered separately

Order code Description

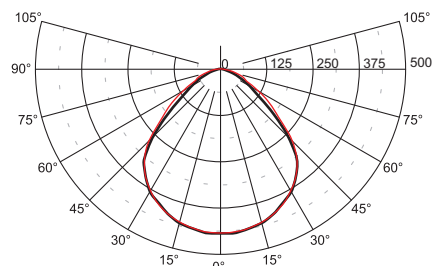
99-0124 ENDING FOR RECESSED VERSION COUPLING IN LINES (1 pc)

99-0125 COUPLER FOR LUMINAIRES COUPLING IN LINES



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	INVERTER LED AT/LG 6W 55V 123H	to be ordered separately			
		19356	INVERTER LED LGFM 6W 55V 123H	to be ordered separately			
	19372	INVERTER LED AT/LG 8W 55V 123h	to be ordered separately				



[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	33	4 000	>80	37	96	5 000	4 200	114	A+	1
2x 36	A11-10016CWS	Atomic LED 2x36 SD 4000K 1.2m	33	4 000	>80	37	96	5 000	4 450	120	A+	1
2x 58	A11-10017CMSD	Atomic LED 2x58 SD 4000K 1.2m	56	4 000	>80	61	144	7 500	6 300	103	A+	1
2x 58	A11-10017CWS	Atomic LED 2x58 SD 4000K 1.2m	56	4 000	>80	61	144	7 500	6 600	108	A+	1
2x 80	A11-10032CMSD	Atomic LED 2x80 SD 4000K 1.5m	56	4 000	>80	61	180	8 000	6 700	110	A+	1
2x 80	A11-10032CWS	Atomic LED 2x80 SD 4000K 1.5m	56	4 000	>80	61	180	8 000	7 000	115	A+	1
(2x) 2x 36	A11-10029CMSD	Atomic LED (2x)2x36 SD 4000K 2.3m	66	4 000	>80	74	192	10 000	8 400	114	A+	1
(2x) 2x 36	A11-10029CWS	Atomic LED (2x)2x36 SD 4000K 2.3m	66	4 000	>80	74	192	10 000	8 900	120	A+	1
(2x) 2x 80	A11-10030CMSD	Atomic LED (2x)2x80 SD 4000K 2.9m	112	4 000	>80	122	360	16 000	13 400	110	A+	1
(2x) 2x 80	A11-10030CWS	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	A11-10025CMSD	Atomic LED 2x36 SD 4000K 1.2m	33	4 000	>80	37	96	5 000	4 200	114	A+	1
2x 36	A11-10025CWS	Atomic LED 2x36 SD 4000K 1.2m	33	4 000	>80	37	96	5 000	4 450	120	A+	1
2x 58	A11-10026CMSD	Atomic LED 2x58 SD 4000K 1.2m	56	4 000	>80	61	144	7 500	6 300	103	A+	1
2x 58	A11-10026CWS	Atomic LED 2x58 SD 4000K 1.2m	56	4 000	>80	61	144	7 500	6 600	108	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	5 500	4 560	114	A+	1
2x 36	A11-10016CW	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	5 500	4 800	120	A+	1
2x 58	A11-10017CM	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	7 000	6 080	103	A+	1
2x 58	A11-10017CW	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	7 000	6 370	108	A+	1
2x 80	A11-10032CM	Atomic LED 2x80 4000K 1.5m	70	4 000	>80	77	180	10 000	8 470	110	A+	1
2x 80	A11-10032CW	Atomic LED 2x80 4000K 1.5m	70	4 000	>80	77	180	10 000	8 850	115	A+	1
(2x) 2x 36	A11-10029CM	Atomic LED (2x)2x36 4000K 2.3m	72	4 000	>80	80	192	11 000	9 100	114	A+	1
(2x) 2x 36	A11-10029CW	Atomic LED (2x)2x36 4000K 2.3m	72	4 000	>80	80	192	11 000	9 600	120	A+	1
(2x) 2x 80	A11-10030CM	Atomic LED (2x)2x80 4000K 2.9m	140	4 000	>80	154	360	20 000	16 900	110	A+	1
(2x) 2x 80	A11-10030CW	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	A11-10025CM	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	5 500	4 560	114	A+	1
2x 36	A11-10025CW	Atomic LED 2x36 4000K 1.2m	36	4 000	>80	40	96	5 500	4 800	120	A+	1
2x 58	A11-10026CM	Atomic LED 2x58 4000K 1.2m	54	4 000	>80	59	144	7 000	6 080	103	A+	1
2x 58	A11-10026CW	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