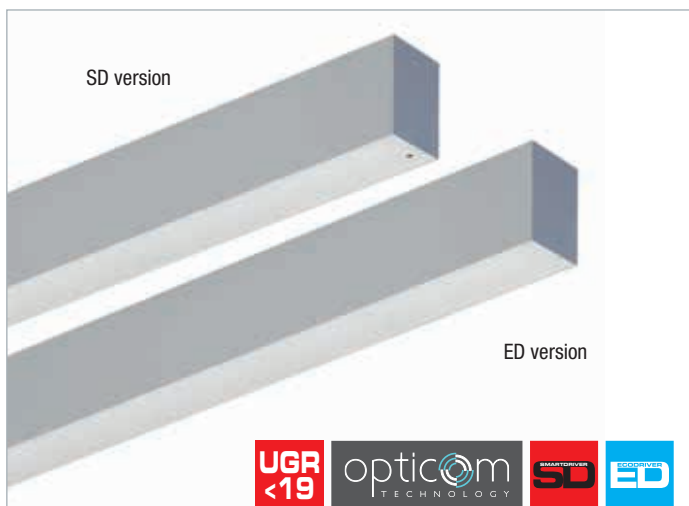


Atomic TOP LED

Ceiling and suspended LED luminaire – separate / coupling in lines (dimensional options 1.2 m/1.5 m)

Atomic TOP LED is a luminaire of a new generation 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, offices, classrooms, corridors and stairways. Housing is made of anodized aluminium profile with steel endings. Equipped with frosted acrylic diffuser or micro-prism optic system. The luminaire equipped with a microprismatic diffuser ensures very high efficiency and reduces the glare value of UGR below 19. It provides a very good visual comfort with no glare. It fits perfectly in offices, conference and training rooms, lecture halls as well as exhibition spaces and showrooms. Available with an emergency LED inverter for emergency usage. Luminaires for separate mounting are available in IP40, luminaires for coupling in lines in IP20.



GENERAL CHARACTERISTICS

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 60598-2-1, EN 60598-2-22 (fundamental requirements), EN 62471 (photobiological hazard)

Protection grade IP20, 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

Diffuser opal or microprismatic optics

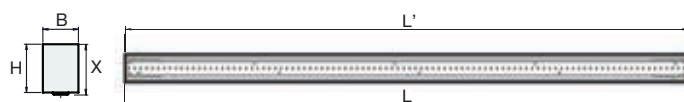
Driver SD Version:
SmartDriver (cos φ ≥ 0.96)
ED Version:
Eco Driver (cos φ ≥ 0.95)

MTBF Control gear** 80 000 h

Luminous flux maintenance** >70 000 h (L80B20)

Colour deviation 3 SDCM

** At environmental reference temperature of 25 °C



Length "L'" including endings
Length "L" profile without endings

W	• Dimensions (mm) •					Weight kg
	L' (profile without end.)	L (incl. endings)	B	H	X	
1.2 m	1 147	1 150	60	81.5	86	2.8
1.5 m	1 432	1 435	60	81.5	86	3.4

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 %

Accessories

supplied

Order code	Description
–	2× COUPLER (only for COUPLING IN LINES)

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

Accessories **SD** supplied (SD version)

Order code	Description
15039	OPTICOM PHOTOSENSOR

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

Accessories to be ordered separately

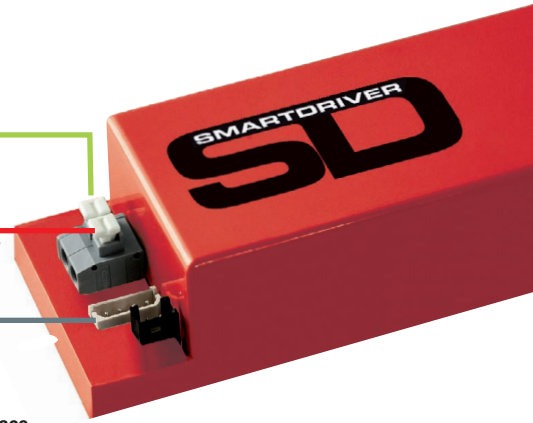
Order code	Description
99-0275	WIRE SUSPENSION, 1 pc 200 cm (for luminaire 1.2, 1.5 and 2.3 m 2 pcs needed)
99-0095	TRANSPARENT POWER CABLE 200 cm (5× 1.5 mm ²)
99-0094	TRANSPARENT POWER CABLE 200 cm (3× 1.5 mm ²)
99-0296	END CAP (only for COUPLING IN LINES)

EMERGENCY WITH LED INVERTER

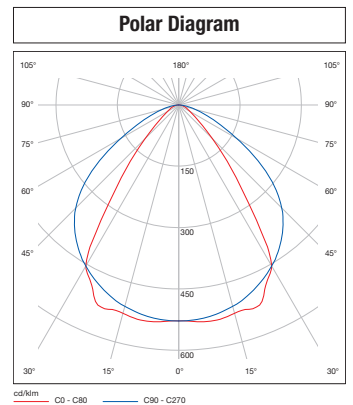
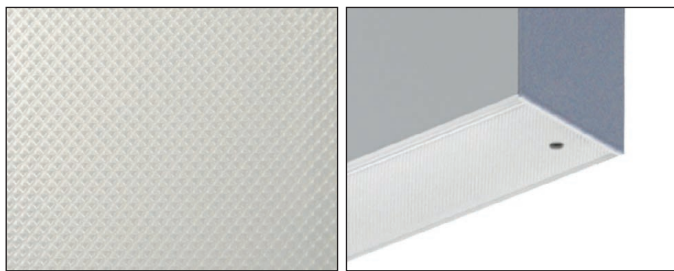
INVERTER	Order code	Description
	19358	INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V to be ordered separately
	19359	INVERTER PLUG&LIGHT LED SE/SA 3H 20-60V to be ordered separately
	19355	INVERTER LED AT/LG 6W 55V 123H to be ordered separately
	19356	INVERTER LED LGFM 6W 55V 123H to be ordered separately

**DOMOTIC
RADIO
MODULE****1÷10V
MODULE****DALI
MODULE****MODUL
PLUG&LIGHT**

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**
TECHNOLOGYSmartphone Interface
to control and set up system

W – Microprismatic diffuser – UGR<19*



Atomic TOP LED

SmartDriver **SD**

Separate mounting

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
A61-10061CWSD	Atomic TOP LED SD 4000K 1.2m	19	4 000	>80	21	96	2 600	2 400	114	A+	1
A61-10062CWSD	Atomic TOP LED SD 4000K 1.2m	26	4 000	>80	29	96	3 600	3 300	114	A+	1
A61-10063CWSD	Atomic TOP LED SD 4000K 1.5m	23	4 000	>80	26	120	3 300	3 000	115	A+	1
A61-10064CWSD	Atomic TOP LED SD 4000K 1.5m	31	4 000	>80	35	120	4 400	4 000	114	A+	1

Coupling in lines

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
A61-10061PCWSD	Atomic TOP LED SD 4000K 1.2m	19	4 000	>80	21	96	2 600	2 400	115	A+	1
A61-10062PCWSD	Atomic TOP LED SD 4000K 1.2m	26	4 000	>80	29	96	3 600	3 300	115	A+	1

Atomic TOP LED

Eco Driver **ED**

Separate mounting

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
A61-10061CWED	Atomic TOP LED 4000K 1.2m	18	4 000	>80	20	96	2 500	2 300	115	A+	1
A61-10062CWED	Atomic TOP LED 4000K 1.2m	25	4 000	>80	28	96	3 500	3 200	114	A+	1
A61-10063CWED	Atomic TOP LED 4000K 1.5m	21	4 000	>80	24	120	3 000	2 800	117	A+	1
A61-10064CWED	Atomic TOP LED 4000K 1.5m	33	4 000	>80	36	120	4 600	4 200	117	A+	1

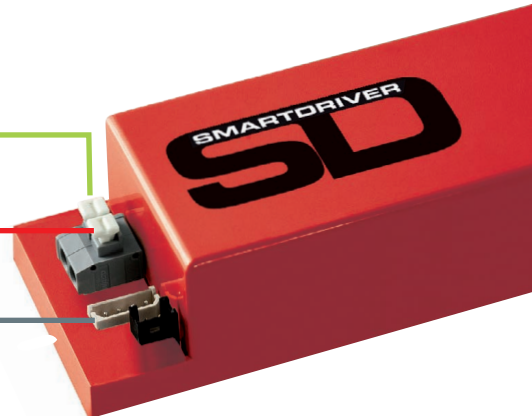
Coupling in lines

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
A61-10061PCWED	Atomic TOP LED 4000K 1.2m	18	4 000	>80	20	96	2 500	2 300	115	A+	1
A61-10062PCWED	Atomic TOP LED 4000K 1.2m	25	4 000	>80	28	96	3 500	3 200	114	A+	1

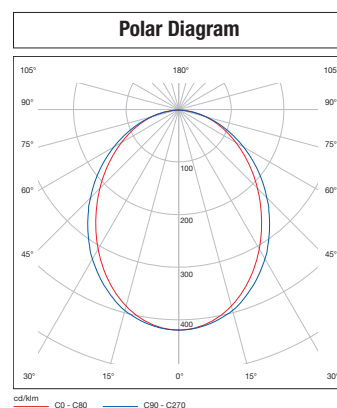
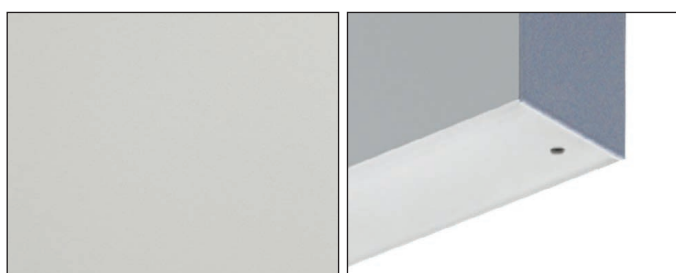
* UGR < 19 is the indicative value of glare as stated by relevant EU-standards chart method for interior application. The real glare value is always given by the actual mutual positions of observer and glare source (luminaire) and concurrently, by actual parameters of the whole lighting system installed. This luminaire glare UGR < 19 is performed just in C90-C270 plane at any situation. In case of a particular project, we can provide Dialux calculation results of actual UGR value(s) in other planes on request.

**DOMOTIC
RADIO
MODULE****1÷10V
MODULE****DALI
MODULE****MODUL
PLUG&LIGHT**

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**
TECHNOLOGYSmartphone Interface
to control and set up system

Z – Opal diffuser – Homogenous



Atomic TOP LED

SmartDriver **SD**

Separate mounting

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
A61-10061CZSD	Atomic TOP LED SD 4000K 1.2m	22	4 000	>80	25	96	3 100	2 500	100	A+	1
A61-10062CZSD	Atomic TOP LED SD 4000K 1.2m	31	4 000	>80	34	96	4 300	3 400	100	A+	1
A61-10063CZSD	Atomic TOP LED SD 4000K 1.5m	28	4 000	>80	31	120	4 000	3 150	102	A+	1
A61-10064CZSD	Atomic TOP LED SD 4000K 1.5m	38	4 000	>80	42	120	5 300	4 250	101	A+	1

Coupling in lines

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
A61-10061PCZSD	Atomic TOP LED SD 4000K 1.2m	22	4 000	>80	25	96	3 100	2 500	100	A+	1
A61-10062PCZSD	Atomic TOP LED SD 4000K 1.2m	31	4 000	>80	34	96	4 300	3 400	100	A+	1

Atomic TOP LED

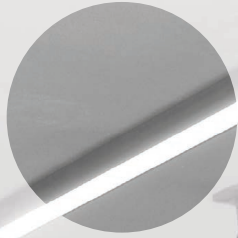
Eco Driver **ED**

Separate mounting

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
A61-10061CZED	Atomic TOP LED 4000K 1.2m	21	4 000	>80	24	96	3 000	2 400	100	A+	1
A61-10062CZED	Atomic TOP LED 4000K 1.2m	33	4 000	>80	36	96	4 600	3 650	101	A+	1
A61-10063CZED	Atomic TOP LED 4000K 1.5m	29	4 000	>80	32	120	4 000	3 200	100	A+	1
A61-10064CZED	Atomic TOP LED 4000K 1.5m	38	4 000	>80	42	120	5 300	4 200	100	A+	1

Coupling in lines

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
A61-10061PCZED	Atomic TOP LED 4000K 1.2m	21	4 000	>80	24	96	3 000	2 400	100	A+	1
A61-10062PCZED	Atomic TOP LED 4000K 1.2m	33	4 000	>80	36	96	4 600	3 650	101	A+	1



A typical installation of **Atomic TOP LED** in offices and classrooms, where glare level (UGR <math><19</math>) is a priority for those who use personal computers. However, it is equally important to ensure that a sufficient level of light is diffused throughout the environment.

