



GENERAL CHARACTERISTICS

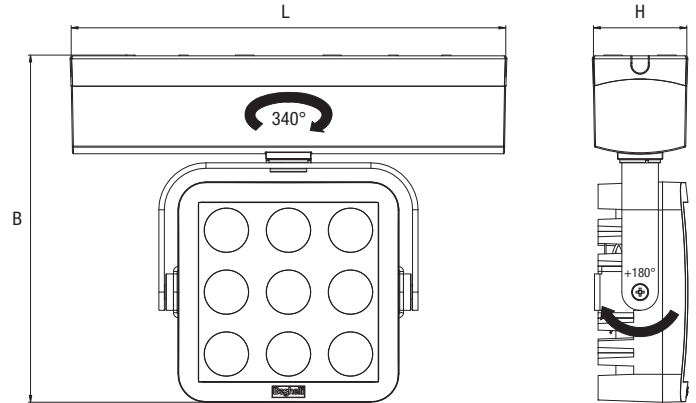
- Equivalent Power*** 35, 70, 150 W
- Power supply** 93–265 V_{AC} 50/60 Hz
176–250 V_{DC}
- Standard** EN 60598-1, EN 60598-2-1,
EN 60598-2-22 (fundamental requirements),
EN 62471 (photobiological hazard)
- Protection grade** IP40
- Working temp.** -20 ÷ +40 °C
- Mounting** wall, ceiling
- Housing** Die-cast aluminium, white RAL 9010
- Optic** Zoom LED System (PMMA lenses)
- Driver** Electronic SD (cos φ ≥ 0.96)
Electronic with intelligent dimming
- MTBF Control gear**** 80 000 h
- Luminous flux maintenance**** >70 000 h (1 × 70, 1 × 150) (L80B20)
>80 000 h (1 × 35) (L80B20)
- Colour deviation** 3 SDCM

* Equivalent power for comparison with metal halide fixtures
** At environmental reference temperature of 25 °C

Zoom LED

Mounting on ceiling, wall

Adjustable focus projector made of die-cast aluminium which integrates the power of 9 high-efficiency LEDs. Patented optics, consisting of a system of variable focus PMMA lenses to adjust the beam of light with an angle between 10° and 40°. Adjustment is continuous and is obtained by a regulator on the rear. The fixture can be oriented on both the horizontal and the vertical axis. With the bracket supplied it can be mounted on the wall or on the ceiling. The Zoom Led range has been designed specifically for accent lighting, where it is essential to enhance the items on display.



Version	• Dimensions (mm) •			Weight max kg
	L	B	H	
35, 70, 150 W	240	195	53	1.4

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

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 Zoom LED:

- Dimming** 50 %
- Device duration** +40 %
- Luminous efficiency** +15 %

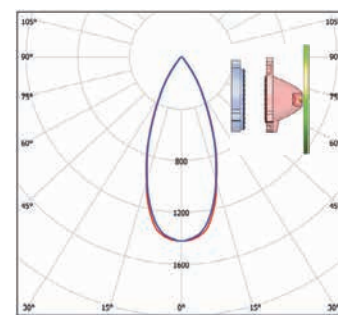
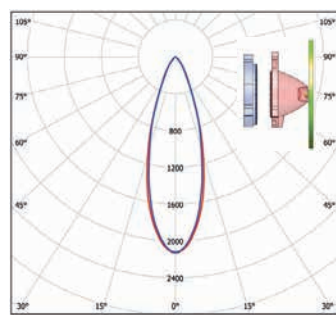
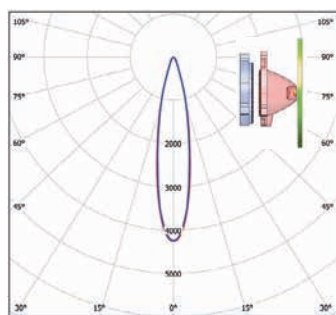
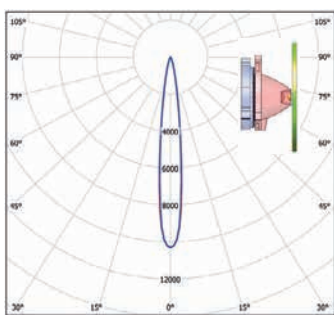
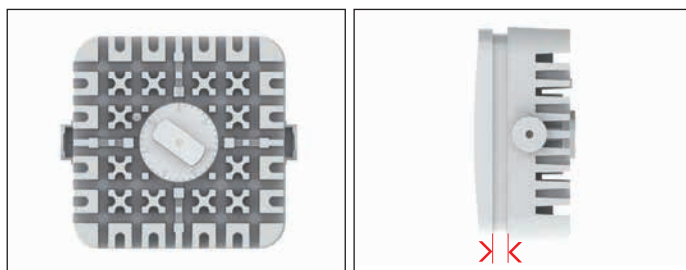
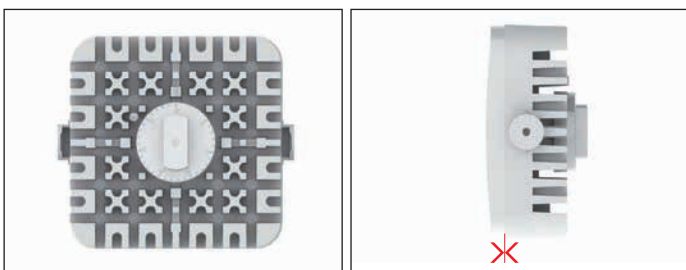
SPECIAL VARIANTS: COLOUR RENDERING ≥90, COLOUR TEMPERATURE
Contact the Beghelli sales network

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



MINIMUM RANGE OF THE FOCAL LENGTH FOR 10° CONE OF LIGHT

MAXIMUM RANGE OF THE FOCAL LENGTH FOR 40° CONE OF LIGHT



I max 35w* = 28 800 Cd / I max 70w* = 47 400 Cd

I max 35w* = 11 900 / I max 70w* = 19 550 Cd

I max 35w* = 5 950 Cd / I max 70w* = 9 800 Cd

I max 35w* = 4 000 Cd / I max 70w* = 6 550 Cd

Beam width 10°

Beam width 20°

Beam width 30°

Beam width 40°

Distance	Diameter	Luminosity
0.5 m	Ø 0.11 m	119 379 lx
1.0 m	Ø 0.22 m	29 845 lx
1.5 m	Ø 0.33 m	13 264 lx
2.0 m	Ø 0.44 m	7 461 lx
2.5 m	Ø 0.55 m	4 775 lx
3.0 m	Ø 0.66 m	3 316 lx

Distance	Diameter	Luminosity
0.5 m	Ø 0.18 m	49 269 lx
1.0 m	Ø 0.36 m	12 317 lx
1.5 m	Ø 0.53 m	5 474 lx
2.0 m	Ø 0.71 m	3 079 lx
2.5 m	Ø 0.89 m	1 971 lx
3.0 m	Ø 1.07 m	1 369 lx

Distance	Diameter	Luminosity
0.5 m	Ø 0.29 m	24 656 lx
1.0 m	Ø 0.58 m	6 164 lx
1.5 m	Ø 0.87 m	2 740 lx
2.0 m	Ø 1.15 m	1 541 lx
2.5 m	Ø 1.44 m	986 lx
3.0 m	Ø 1.73 m	685 lx

Distance	Diameter	Luminosity
0.5 m	Ø 0.39 m	16 512 lx
1.0 m	Ø 0.78 m	4 128 lx
1.5 m	Ø 1.16 m	1 835 lx
2.0 m	Ø 1.55 m	1 032 lx
2.5 m	Ø 1.94 m	660 lx
3.0 m	Ø 2.33 m	459 lx

Zoom LED

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
1 × 35	Z135ASD	ZOOM LED AP 1X35 SD 3K	13	3 000	≥80	17	9	1 750	1 400	84	A++	1
1 × 70	Z170ASD	ZOOM LED AP 1X70 SD 3K	29	3 000	≥80	33	9	3 200	2 500	76	A++	1
1 × 150	Z1150ASD	ZOOM LED AP 1X150 SD 3K	47	3 000	≥80	52(50***)	9	5 000	4 000	77	A++	1

*** The power consumption has an auto derating to the power indicated in parenthesis if the product is powered by voltage less than 110 V_{AC}.