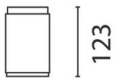
iRoll 65

Design iGuzzini **iGuzzini**

Last information update: May 2018



Ceiling-mounting 3 LED warm white - flood optic

Product code
BA83

Technical description
Lighting system with down-light emission designed to use monochromatic Warm White (3100K) LEDs with fixed flood optic. Optical assembly, ceiling base and frame made of diecast alluminium alloy, with acrylic liquid paint treatment with high resistance to atmospheric agents and UV rays; tempered transparent sodium calcium closing glass, 4 mm thick, siliconed to frame. Provided with fast-coupling closing system between frame, optical assembly and ceiling base, without the use of tools. Internal silicone watertight gaskets. Complete with 3 Warm White (3100K) monochromatic power LEDs, Flood (F) optics with plastic lens, black polycarbonate multi-groove ring for visual comfort and built-in electronic ballast. Single cable entrance via black polyamide PG11 cable clamp, suitable for ø 6.5÷11mm cables. Connection with three fast-coupling terminals. Possibility to use unipolar cables with 2.4÷3.4mm diameter. Various accessories available: refractor for elliptical distribution, diffusing prismatic glass and chromatic filters. All external screws are made of stainless steel A2.

Installation
Ceiling installation with down-light luminous emission.

Dimension (mm)
Ø78x123

Colour
Grey (15)

Weight (Kg)
0.64

Mounting
ceiling surface

Wiring
Control gear with 220÷240Vac 50/60Hz electronic ballast.

Notes
Version in insulation class II with outgoing cable on demand. Spare parts for LED circuit and electronic control gear available for extraordinary maintenance.

Complies with EN60598-1 and pertinent regulations

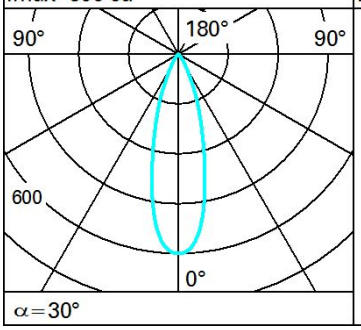
850°C IK07 IP65

Product configuration: BA83

Product characteristics
Total lighting output [Lm]: 198.5
Total power [W]: 5.7
Luminous efficacy [Lm/W]: 34.8
Life Time: 50,000h - L70 - B20 (Ta 25°C)
Number of optical assemblies: 1
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Ambient temperature range: from -20°C to +35°C.

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 71
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 4.5
Nominal luminous [Lm]: 280
Lamp maximum intensity [cd]: /
Beam angle [°]: 30°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 1.2
Colour temperature [K]: 3200
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

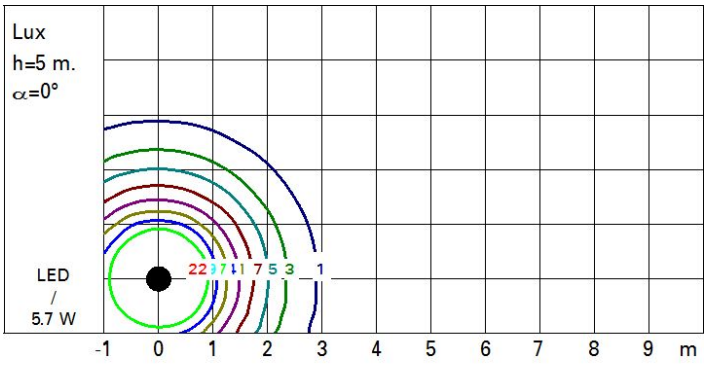
Polar



Lux

h	d	Em	Emax
1	0.5	471	600
2	1.1	118	150
3	1.6	52	67
4	2.1	29	37

Isolux



UGR diagram

Photometric curve code: BA820000.000
Corrected UGR values (at 319 lm bare lamp luminous flux)

Riflect.: ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim x	y	viewed crosswise					viewed endwise				
2H	2H	7.4	8.0	7.7	8.2	8.5	7.4	8.0	7.7	8.2	8.5
	3H	7.3	7.8	7.6	8.1	8.3	7.3	7.8	7.6	8.1	8.4
	4H	7.2	7.7	7.5	8.0	8.3	7.2	7.7	7.6	8.0	8.3
	6H	7.1	7.6	7.5	7.9	8.2	7.2	7.6	7.5	7.9	8.2
	8H	7.1	7.5	7.5	7.8	8.2	7.1	7.6	7.5	7.9	8.2
	12H	7.1	7.5	7.4	7.8	8.2	7.1	7.5	7.5	7.8	8.2
4H	2H	7.2	7.7	7.6	8.0	8.3	7.2	7.7	7.5	8.0	8.3
	3H	7.1	7.5	7.5	7.8	8.2	7.1	7.5	7.5	7.8	8.2
	4H	7.0	7.4	7.4	7.7	8.1	7.0	7.4	7.4	7.7	8.1
	6H	6.9	7.2	7.3	7.6	8.0	6.9	7.2	7.3	7.6	8.0
	8H	6.9	7.2	7.3	7.6	8.0	6.9	7.2	7.3	7.6	8.0
	12H	6.8	7.1	7.3	7.5	8.0	6.8	7.1	7.3	7.5	8.0
8H	4H	6.9	7.2	7.3	7.6	8.0	6.9	7.2	7.3	7.6	8.0
	6H	6.8	7.0	7.2	7.5	7.9	6.8	7.0	7.2	7.5	7.9
	8H	6.7	6.9	7.2	7.4	7.9	6.7	6.9	7.2	7.4	7.9
	12H	6.7	6.8	7.2	7.3	7.8	6.7	6.8	7.2	7.3	7.8
12H	4H	6.8	7.1	7.3	7.5	8.0	6.8	7.1	7.3	7.5	8.0
	6H	6.7	6.9	7.2	7.4	7.9	6.7	6.9	7.2	7.4	7.9
	8H	6.7	6.8	7.2	7.3	7.8	6.7	6.8	7.2	7.3	7.8

Variations with the observer position at spacing:

S =			
	1.0H	4.8 / -8.3	4.8 / -8.3
	1.5H	7.4 / -16.1	7.4 / -16.1
	2.0H	8.2 / -16.4	8.2 / -16.4