Linealuce

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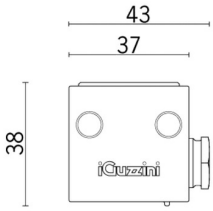


Mini - Wall-/Ceiling-mounted - Neutral White LED - 24V dc - L=528mm - 30° Flood Optic

Product code
BK80

Technical description
Direct light luminaire, designed to use monochrome LED lamps. Ceiling- and wall-mounted. Consists of a body and supports for installation (to be ordered separately). Extruded aluminium body, with zamak die-cast end caps complete with silicone gaskets. Coated with liquid acrylic paint with a high level of weather and UV ray resistance. The top of the optical assembly is closed by a 3 mm thick transparent glass screen, fixed with silicone. Complete with multi-LED power plate in Neutral White with 24V dc electronic circuit (ballast to be ordered separately); 24V smart driver allowing constant light flow emission despite variations in the input voltage (from 30V dc to 16V dc). Fitted with satin-finish polycarbonate film and optics with plastic (methacrylate) lens for 30° FLOOD lighting. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

Installation
The following accessories are available for installation: adjustable wall-mounted arms in AISI304 stainless steel (L=85mm code BZJ8, 200mm code BZJ9) and a plate for surface- or ceiling-mounting made of anodised aluminium (BZJ6).

Dimension (mm)
528x37x38

Colour
Grey (15)

Weight (Kg)
0.9

Mounting
wall surface|ceiling surface

Wiring
The product is supplied with a single nickel-plated brass cable gland PG9 and a 2x1mm2 PVC and polyurethane outlet cable, 2000mm long. For the electrical connection there is an IP68 linear connector (BZK6) and an IP67 junction box with quick-coupling terminals (BZK1). 24V dc electronic ballasts to be ordered separately: 10W (9908), 24W (9909), 72W (9910), 96W (9911), 120W (BZK0), 240W (9912) and 480W (BZK1)

Notes
Product complete with LED lamp

Complies with EN60598-1 and pertinent regulations

III IK05 IP66

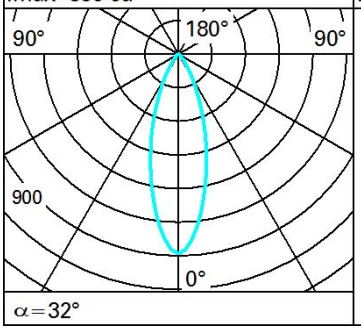
Product configuration: BK80

Product characteristics
Total lighting output [Lm]: 372
Total power [W]: 7.4
Luminous efficacy [Lm/W]: 50.2
Life Time: 100,000h - L80 - B10 (Ta 25°C)
Ambient temperature range: from -20°C to +35°C.
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: 24
Life Time: 66,000h - L80 - B10 (Ta 40°C)
Number of optical assemblies: 1

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 60
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 6.5
Nominal luminous [Lm]: 620
Lamp maximum intensity [cd]: /
Beam angle [°]: 32°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 0.9
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

Polar

Imax=889 cd

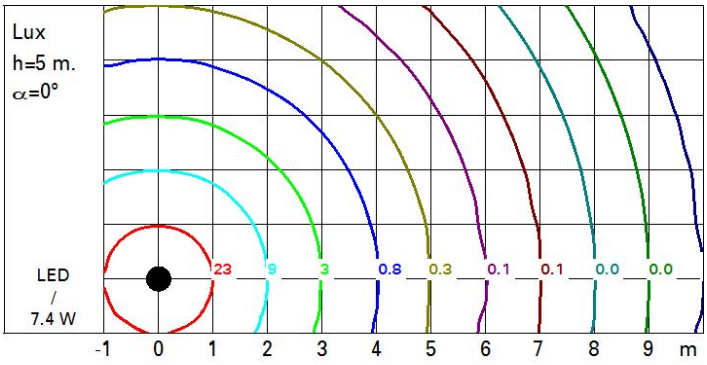


$\alpha = 32°$

Lux

h	d	Em	Emax
1	0.6	671	889
2	1.1	168	222
3	1.7	75	99
4	2.3	42	56

Isolux



UGR diagram

Corrected UGR values (at 620 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				viewed crosswise					viewed endwise		
x	y										
2H	2H	10.1	10.8	10.4	11.0	11.3	10.1	10.8	10.4	11.0	11.3
	3H	10.3	10.9	10.6	11.1	11.4	10.1	10.7	10.4	11.0	11.3
	4H	10.3	10.9	10.6	11.2	11.5	10.1	10.7	10.4	11.0	11.3
	6H	10.3	10.8	10.7	11.1	11.5	10.0	10.6	10.4	10.9	11.2
	8H	10.3	10.8	10.7	11.1	11.5	10.0	10.5	10.4	10.8	11.2
	12H	10.3	10.8	10.7	11.1	11.4	10.0	10.5	10.4	10.8	11.1
4H	2H	10.1	10.7	10.4	11.0	11.3	10.3	10.9	10.6	11.2	11.5
	3H	10.3	10.8	10.7	11.1	11.5	10.4	10.9	10.8	11.2	11.6
	4H	10.4	10.8	10.8	11.2	11.6	10.4	10.8	10.8	11.2	11.6
	6H	10.5	10.8	10.9	11.2	11.6	10.4	10.8	10.8	11.1	11.6
	8H	10.5	10.8	10.9	11.2	11.6	10.4	10.7	10.8	11.1	11.5
	12H	10.4	10.7	10.9	11.2	11.6	10.3	10.6	10.8	11.1	11.5
8H	4H	10.4	10.7	10.8	11.1	11.5	10.5	10.8	10.9	11.2	11.6
	6H	10.5	10.7	10.9	11.2	11.6	10.5	10.7	10.9	11.2	11.7
	8H	10.5	10.7	11.0	11.2	11.7	10.5	10.7	11.0	11.2	11.7
	12H	10.5	10.7	11.0	11.2	11.7	10.4	10.6	10.9	11.1	11.7
12H	4H	10.3	10.6	10.8	11.1	11.5	10.4	10.7	10.9	11.2	11.6
	6H	10.4	10.7	10.9	11.1	11.6	10.5	10.7	10.9	11.2	11.7
	8H	10.4	10.6	10.9	11.1	11.7	10.5	10.7	11.0	11.2	11.7

Variations with the observer position at spacing:

S =			
	1.0H	2.9 / -2.7	2.9 / -2.7
	1.5H	5.2 / -3.5	5.2 / -3.5
	2.0H	7.1 / -4.0	7.1 / -4.0