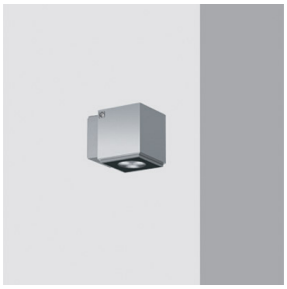
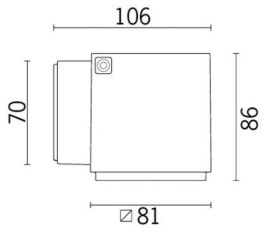
iPro

Design Mario Cucinella **iGuzzini**

Last information update: June 2018





Outdoor wall-mounted luminaire - Warm white LED - with electronic ballast Vin=100-240V ac - Flood optic

Product code
BK32

Technical description
Direct light outdoor floodlight, designed to use warm white LED lamps, with flood optic. For wall-mounting with the special base. The luminaire consists of an optical assembly, upper cap and base for fixing to the wall. The optical assembly, upper cap and base are made of die-cast aluminium alloy coated with liquid acrylic paint (grey finish) or textured liquid (white finish) with a high level of resistance to weather and UV rays. Transparent tempered sodium - calcium safety glass with customised grey serigraphy, 4 mm thick, joined to the optical assembly with silicone. Adjustable fixing bracket made of painted aluminium; with a double nickel-plated brass PG11 cable gland, suitable for power cables ø 6.5-11 mm. For electrical connection the product has a plastic box with three 2-pin quick-coupling terminals for cables with max. cross-section 4 mm². Electronic circuit with warm white LED, optics with lens made of thermoplastic material (methacrylate) and a black polycarbonate multi-groove ring for visual comfort. Equipped with electronic ballast Vin=100-240V ac 50/60Hz. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation
For wall-mounting with the special aluminium base. Secure using screw anchors for concrete, cement and solid brick. Product can be installed with the light beam in any direction (up, down, right, left, slanting, etc.).

Dimension (mm)
81x81x86

Colour
White (01) | Grey (15)

Weight (Kg)
0.92

Mounting
wall arm|wall surface

Wiring
Equipped with electronic ballast Vin=100-240V ac 50/60Hz. Polyamide PG11 double cable gland for pass-through wiring, suitable for power cables ø 6.5-11 mm.

Notes
Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

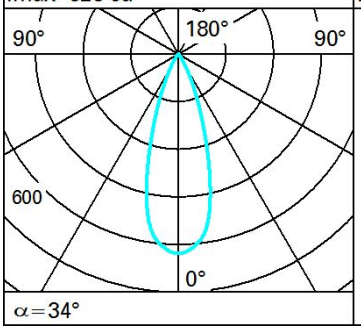
960°C IK07 IP66

Product configuration: BK32

Product characteristics
Total lighting output [Lm]: 228
Total power [W]: 6.4
Luminous efficacy [Lm/W]: 35.6
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]: -
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]: 4.7
Nominal luminous [Lm]: 380
Lamp maximum intensity [cd]: /
Beam angle [°]: 34°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 1.7
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

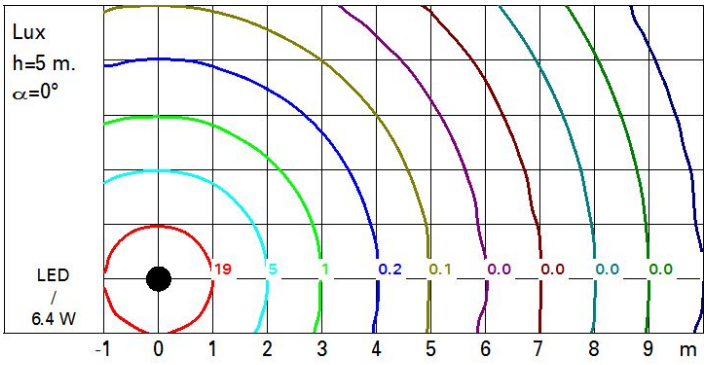
Polar



Lux

h	d	Em	Emax
1	0.6	502	628
2	1.2	125	157
3	1.8	56	70
4	2.4	31	39

Isolux



UGR diagram

Corrected UGR values (at 380 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	5.3	5.8	5.5	6.1	6.3	5.3	5.8	5.5	6.1	6.3
	3H	5.2	5.7	5.5	5.9	6.2	5.2	5.7	5.5	5.9	6.2
	4H	5.1	5.6	5.4	5.9	6.2	5.1	5.6	5.4	5.9	6.2
	6H	5.1	5.5	5.4	5.8	6.1	5.0	5.5	5.4	5.8	6.1
	8H	5.0	5.5	5.4	5.8	6.1	5.0	5.4	5.4	5.7	6.1
	12H	5.0	5.4	5.4	5.8	6.1	5.0	5.4	5.3	5.7	6.0
4H	2H	5.1	5.6	5.4	5.9	6.2	5.1	5.6	5.4	5.9	6.2
	3H	5.0	5.4	5.4	5.7	6.1	5.0	5.4	5.4	5.7	6.1
	4H	4.9	5.3	5.3	5.6	6.0	4.9	5.3	5.3	5.6	6.0
	6H	4.9	5.2	5.3	5.6	6.0	4.8	5.1	5.2	5.5	6.0
	8H	4.9	5.2	5.3	5.6	6.0	4.8	5.1	5.2	5.5	5.9
	12H	4.9	5.1	5.3	5.6	6.0	4.7	5.0	5.2	5.4	5.9
8H	4H	4.8	5.1	5.2	5.5	5.9	4.9	5.2	5.3	5.6	6.0
	6H	4.8	5.0	5.3	5.5	5.9	4.8	5.1	5.3	5.5	6.0
	8H	4.8	5.0	5.3	5.5	6.0	4.8	5.0	5.3	5.5	6.0
	12H	4.8	5.0	5.3	5.5	6.0	4.8	5.0	5.3	5.4	6.0
12H	4H	4.7	5.0	5.2	5.4	5.9	4.9	5.1	5.3	5.6	6.0
	6H	4.7	5.0	5.2	5.4	5.9	4.8	5.0	5.3	5.5	6.0
	8H	4.8	5.0	5.3	5.4	6.0	4.8	5.0	5.3	5.5	6.0

Variations with the observer position at spacing:

S =	1.0H	4.8 / -6.3	4.8 / -6.3
	1.5H	7.5 / -7.3	7.5 / -7.3
	2.0H	9.5 / -8.0	9.5 / -8.0