iPro

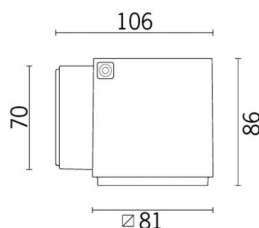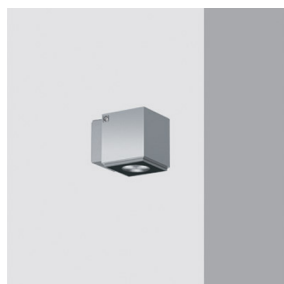**Design Mario Cucinella**   **iGuzzini**

Last information update: May 2018

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

Product code
BU38

Technical description
Direct light outdoor floodlight, designed to use neutral 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 neutral 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)
0.88

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: BU38

Product characteristics

Total lighting output [Lm]: 217	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 6.4	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 33.9	Voltage [V]: -
Life Time: 100,000h - L80 - B10 (Ta 25°C)	Life Time: 66,000h - L80 - B10 (Ta 40°C)
Ambient temperature range: from -20°C to +35°C.	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 53	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 1.7
Nominal power [W]: 4.7	Colour temperature [K]: 4000
Nominal luminous [Lm]: 410	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 84°	MacAdam Step: 3

Polar

Imax=115 cd			Lux			
90° 180° 90°			h	d	Em	Emax
			1	1.8	78	115
125			2	3.6	20	29
			3	5.4	9	13
0°			4	7.2	5	7
α=84°						

Isolux

Lux
h=5 m.
α=0°

LED / 6.4 W

4 3 2 1.3 0.7 0.4 0.2 0.1 0.1

-1 0 1 2 3 4 5 6 7 8 9 m
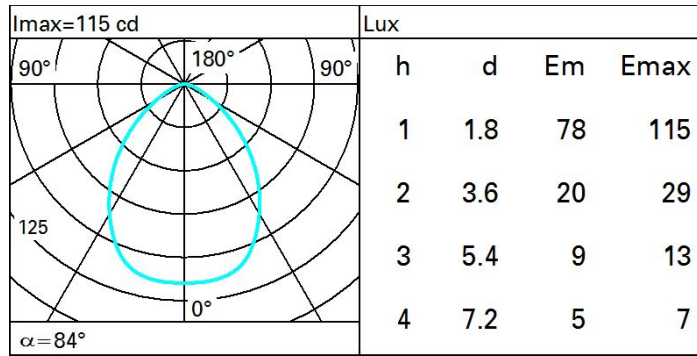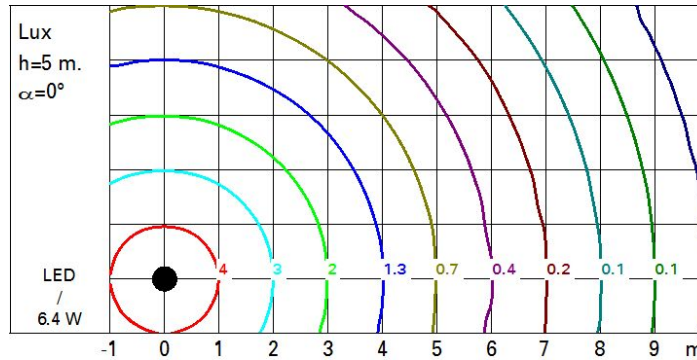
UGR diagram

Corrected UGR values (at 410 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					viewed			
x	y		crosswise					endwise			
2H	2H	20.4	21.4	20.7	21.6	21.9	20.4	21.4	20.7	21.6	21.9
	3H	20.8	21.7	21.2	22.0	22.3	20.6	21.5	20.9	21.8	22.1
	4H	20.9	21.8	21.3	22.1	22.4	20.6	21.5	21.0	21.8	22.1
	6H	21.0	21.8	21.4	22.1	22.4	20.6	21.4	21.0	21.7	22.0
	8H	21.0	21.8	21.4	22.1	22.5	20.6	21.3	20.9	21.6	22.0
	12H	21.0	21.7	21.4	22.1	22.4	20.5	21.2	20.9	21.6	21.9
4H	2H	20.6	21.5	21.0	21.8	22.1	20.9	21.8	21.3	22.1	22.4
	3H	21.2	21.9	21.6	22.2	22.6	21.3	22.0	21.7	22.3	22.7
	4H	21.3	22.0	21.8	22.3	22.7	21.3	22.0	21.8	22.3	22.7
	6H	21.5	22.0	21.9	22.4	22.9	21.4	21.9	21.8	22.3	22.8
	8H	21.5	22.0	22.0	22.4	22.9	21.4	21.9	21.8	22.3	22.7
	12H	21.5	22.0	22.0	22.4	22.9	21.3	21.8	21.8	22.2	22.7
8H	4H	21.4	21.9	21.8	22.3	22.7	21.5	22.0	22.0	22.4	22.9
	6H	21.6	22.0	22.0	22.4	22.9	21.6	22.0	22.1	22.5	22.9
	8H	21.6	22.0	22.1	22.5	23.0	21.6	22.0	22.1	22.5	23.0
	12H	21.7	22.0	22.2	22.5	23.0	21.6	21.9	22.1	22.4	23.0
12H	4H	21.3	21.8	21.8	22.2	22.7	21.5	22.0	22.0	22.4	22.9
	6H	21.6	21.9	22.0	22.4	22.9	21.6	22.0	22.1	22.5	23.0
	8H	21.6	21.9	22.1	22.4	23.0	21.7	22.0	22.2	22.5	23.0

Variations with the observer position at spacing:

S =	1.0H	0.4 / -0.6	0.4 / -0.6
	1.5H	0.9 / -1.7	0.9 / -1.7
	2.0H	2.0 / -2.4	2.0 / -2.4