Ellipse

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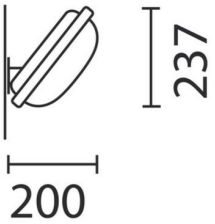


Wall-mounted - Warm White LED - with 200-240V ac electronic ballast - General light optic

Product code
BH53

Technical description
Wall-mounted luminaire for lighting residential exteriors, designed to use LED lamps. The optical assembly consists of a diffuser screen made of patterned glass and internally painted, fixed on the polycarbonate supporting plate by means of a die-cast aluminium outer frame coated with liquid acrylic paint with a high level of weather and UV ray resistance. Silicone (sulphur-free) seal interposed between screen and plate. Complete with multi-LED power circuit in Warm White 3100K fixed on anodised aluminium supporting plate. The compartment housing the LEDs has IP55 protection. Equipped with grey polyamide PG9 cable clamp suitable for cables with diameter D=7.5-9.5mm. The luminaire can be wall-mounted using a painted polycarbonate arm. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

Installation
Wall- or ceiling-mounted using wall screw anchors

Dimension (mm)
275x150x105

Colour
Grey (15)

Mounting
wall arm

Wiring
Control gear complete with electronic ballast IP67, 200-240V ac ±10%, 50/60Hz and double quick-coupling connector suitable for 2x4mm2 cables.

Notes
Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

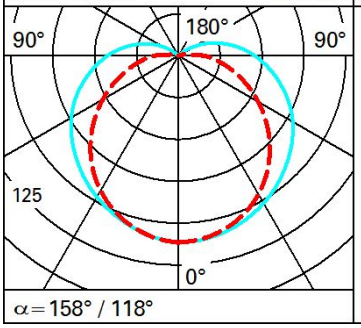
960°C IK08 IP55

Product configuration: BH53

Product characteristics
Total lighting output [Lm]: 479
Total power [W]: 11
Luminous efficacy [Lm/W]: 43.5
Life Time: 100,000h - L80 - B10 (Ta 25°C)
Number of optical assemblies: 1
Total luminous flux at or above an angle of 90° [Lm]: 57
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.) [%]: 64
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 8.7
Nominal luminous [Lm]: 750
Lamp maximum intensity [cd]: /
Beam angle [°]: /
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.3
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

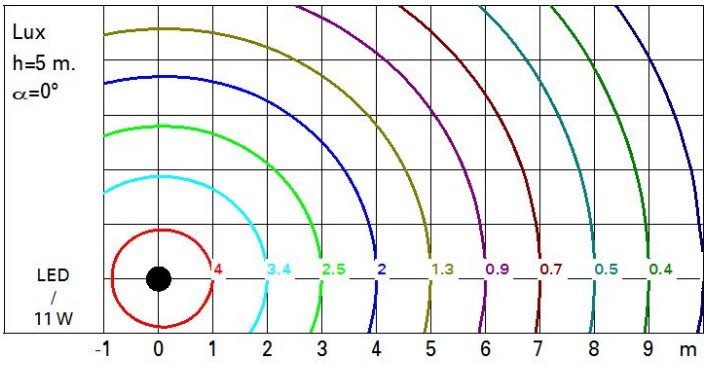
Polar



Lux

h	d1	d2	Em	Emax
1	10.3	3.3	54	111
2	20.6	6.7	14	28
3	30.9	10	6	12
4	41.2	13.3	3	7

Isolux



UGR diagram

Corrected UGR values (at 750 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	16.1	17.3	16.6	17.8	18.3	14.7	15.9	15.2	16.4	16.9
	3H	18.4	19.4	18.9	20.0	20.5	15.3	16.4	15.9	16.9	17.5
	4H	19.5	20.5	20.1	21.1	21.7	15.6	16.6	16.2	17.2	17.8
	6H	20.6	21.6	21.2	22.1	22.8	15.8	16.8	16.4	17.3	18.0
	8H	21.2	22.1	21.8	22.7	23.3	15.9	16.8	16.5	17.4	18.0
	12H	21.7	22.6	22.3	23.2	23.8	15.9	16.8	16.5	17.4	18.0
4H	2H	16.7	17.7	17.2	18.2	18.8	17.1	18.1	17.7	18.7	19.3
	3H	19.2	20.1	19.8	20.6	21.3	17.9	18.8	18.5	19.4	20.0
	4H	20.5	21.3	21.1	21.9	22.5	18.4	19.2	19.0	19.8	20.4
	6H	21.8	22.5	22.4	23.1	23.8	18.8	19.5	19.4	20.1	20.8
	8H	22.5	23.1	23.1	23.7	24.5	19.0	19.6	19.6	20.3	21.0
	12H	23.1	23.7	23.7	24.3	25.1	19.1	19.7	19.8	20.4	21.1
8H	4H	20.8	21.5	21.4	22.1	22.8	19.5	20.2	20.2	20.8	21.5
	6H	22.3	22.9	23.0	23.6	24.3	20.2	20.7	20.8	21.4	22.1
	8H	23.1	23.6	23.8	24.3	25.1	20.5	21.0	21.2	21.7	22.4
	12H	24.0	24.4	24.6	25.1	25.9	20.8	21.3	21.5	22.0	22.7
12H	4H	20.8	21.4	21.5	22.1	22.8	19.9	20.5	20.5	21.1	21.9
	6H	22.4	22.9	23.1	23.6	24.4	20.5	21.1	21.2	21.7	22.5
	8H	23.3	23.7	24.0	24.4	25.2	21.0	21.4	21.6	22.1	22.9

Variations with the observer position at spacing:

S =			
	1.0H	0.1 / -0.1	0.1 / -0.1
	1.5H	0.2 / -0.2	0.2 / -0.2
	2.0H	0.2 / -0.3	0.2 / -0.4