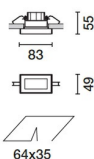


Last information update: May 2018



**Recessed rectangular ceiling-mounted IP65 luminaire, compact body, Neutral White COB LEDs, Flood optic.**

#### Product code

BX55

#### Technical description

Miniaturised recessed rectangular luminaire with two optical elements with Neutral White LED light sources - fixed Flood optic. Comprises a (round) optical compartment, frame, glass, outgoing cable and installation accessories to be ordered separately, where necessary. The optical compartment and frame are made of aluminium alloy and subjected to a multi-step pre-treatment process, the main phases of which include degreasing, fluorozirconic coating (a surface protective coat) and sealing (silane-based nanostructured coat). The successive painting phase is completed using primer and liquid acrylic paint, baked at 150°C, guaranteeing excellent resistance to atmospheric agents and UV rays. The glass-holder frame has plastic end caps. Tempered soda-lime closing glass, transparent with black screen-printing on the edge, 3mm thickness, attached to the frame with silicone. Silicone seals are placed between the glass-holder frame and the optical compartment. High-definition optic made of metallic thermoplastic, integrated into the black anti-glare screen towards the rear. Grade 304 stainless steel supporting springs. Connection cables supplied. Control gear not included; available with separate code. All external screws are made of A2 stainless steel.

#### Installation

Recessed installation with protruding frame on 1-20mm-thick suspended ceilings. Recess opening on suspended ceiling, size 64x35. Recessed installation with flush frame on 12.5mm- or 15mm-thick suspended ceilings, through adapter frame to be ordered separately. Installation on concrete ceilings using an outer casing to be ordered separately (flush and protruding frame).

#### Dimension (mm)

83x49x55

#### Colour

Black/White (47) | Grey/Black (74)

#### Weight (Kg)

0.15

#### Mounting

ceiling recessed

#### Wiring

Constant current control gear (700mA) to be ordered separately.

#### Notes

Version with black painted frame available on request.

Complies with EN60598-1 and pertinent regulations



#### Product configuration: BX55

#### Product characteristics

Total lighting output [Lm]: 269  
Total power [W]: 4.1  
Luminous efficacy [Lm/W]: 65.7  
Life Time: 50,000h - L90 - B10 (Ta 25°C)  
Number of optical assemblies: 1

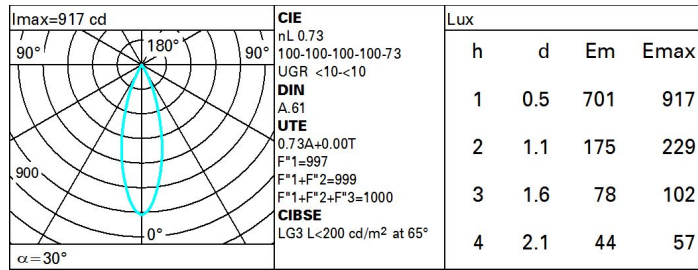
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Ambient temperature range: from -20°C to +35°C.

#### Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 73  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 4.1  
Nominal luminous [Lm]: 370  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 30°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 0  
Colour temperature [K]: 4000  
CRI: 95  
Wavelength [Nm]: /  
MacAdam Step: 3

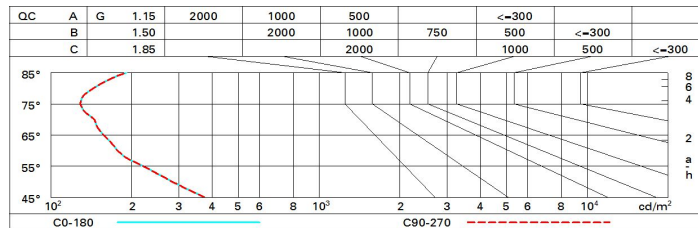
**Polar**



**Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	60	58	62	60	59	57	78
1.0	69	66	63	62	65	63	63	60	83
1.5	72	70	68	66	69	67	67	64	89
2.0	74	73	71	70	72	70	70	68	93
2.5	76	74	73	73	73	72	72	70	96
3.0	77	76	75	74	74	74	73	71	98
4.0	77	77	76	76	76	75	74	72	99
5.0	78	77	77	77	76	76	75	73	100

**Luminance curve limit**



**UGR diagram**

Corrected UGR values (at 370 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/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	-3.0	-2.5	-2.7	-2.3	-2.0	-3.0	-2.5	-2.7	-2.3	-2.0
	3H	-3.0	-2.6	-2.7	-2.3	-2.0	-3.1	-2.6	-2.8	-2.4	-2.1
	4H	-3.0	-2.6	-2.7	-2.3	-2.0	-3.1	-2.7	-2.8	-2.4	-2.1
	6H	-3.0	-2.6	-2.7	-2.3	-2.0	-3.2	-2.8	-2.9	-2.5	-2.2
	8H	-3.0	-2.6	-2.7	-2.3	-2.0	-3.2	-2.9	-2.9	-2.5	-2.2
	12H	-3.0	-2.7	-2.7	-2.3	-2.0	-3.3	-2.9	-2.9	-2.6	-2.2
4H	2H	-3.1	-2.7	-2.8	-2.4	-2.1	-3.0	-2.6	-2.7	-2.3	-2.0
	3H	-3.1	-2.8	-2.8	-2.4	-2.1	-3.1	-2.7	-2.7	-2.4	-2.0
	4H	-3.1	-2.8	-2.7	-2.4	-2.0	-3.1	-2.8	-2.7	-2.4	-2.0
	6H	-3.1	-2.8	-2.7	-2.4	-2.0	-3.2	-2.9	-2.7	-2.5	-2.1
	8H	-3.1	-2.8	-2.6	-2.4	-2.0	-3.2	-2.9	-2.8	-2.5	-2.1
	12H	-3.0	-2.8	-2.6	-2.4	-1.9	-3.2	-3.0	-2.8	-2.6	-2.1
8H	4H	-3.2	-2.9	-2.8	-2.5	-2.1	-3.1	-2.8	-2.6	-2.4	-2.0
	6H	-3.1	-2.9	-2.7	-2.5	-2.0	-3.1	-2.8	-2.6	-2.4	-1.9
	8H	-3.1	-2.9	-2.6	-2.4	-1.9	-3.1	-2.9	-2.6	-2.4	-1.9
	12H	-3.0	-2.8	-2.5	-2.3	-1.8	-3.1	-2.9	-2.6	-2.4	-1.9
12H	4H	-3.2	-3.0	-2.8	-2.6	-2.1	-3.0	-2.8	-2.6	-2.4	-1.9
	6H	-3.2	-3.0	-2.7	-2.5	-2.0	-3.0	-2.8	-2.5	-2.4	-1.9
	8H	-3.1	-2.9	-2.6	-2.4	-1.9	-3.0	-2.8	-2.5	-2.3	-1.8
Variations with the observer position at spacing:											
S =	1.0H	5.5 / -4.3					5.5 / -4.3				
	1.5H	8.2 / -4.8					8.2 / -4.8				
	2.0H	10.2 / -5.0					10.2 / -5.0				