Linealuce

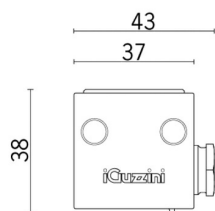**Design Jean Michel Wilmotte** **iGuzzini**

Last information update: May 2018

Wall-/Ceiling-mounted - 18 Neutral White LEDs - 24V dc - L=1585mm - Wall Washer Optic

Product code
BH24

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 boy, with zamak die-cast end caps complete with silicone seals. 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 4200K 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 a PMMA diffusing filter and optic with plastic (methacrylate) lens for Wall Washer 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=90mm code BZJ9, 200mm code BZJ8) and a plate for surface- or ceiling-mounting made of anodised aluminium (BZJ7).

Dimension (mm)
1585x37x38

Colour
Grey (15)

Weight (Kg)
2.22

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 IP66 junction box with quick-coupling terminals (BZK7). 24V dc electronic ballasts to be ordered separately: 120W (BZK0), 240W (9912) and 480W (BZK1).

Notes
Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

IK05   IP66

CE   EAC   A++

Product configuration: BH24

Product characteristics

Total lighting output [Lm]: 1007	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 20.8	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 48.4	Voltage [V]: 24
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.) [%]: 54	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 0.8
Nominal power [W]: 20	Colour temperature [K]: 4000
Nominal luminous [Lm]: 1860	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: /	MacAdam Step: 3

Polar

Imax=4987 cd C0-180

90° 180° 90°

5000

0°

$\alpha = 13° / 17°$
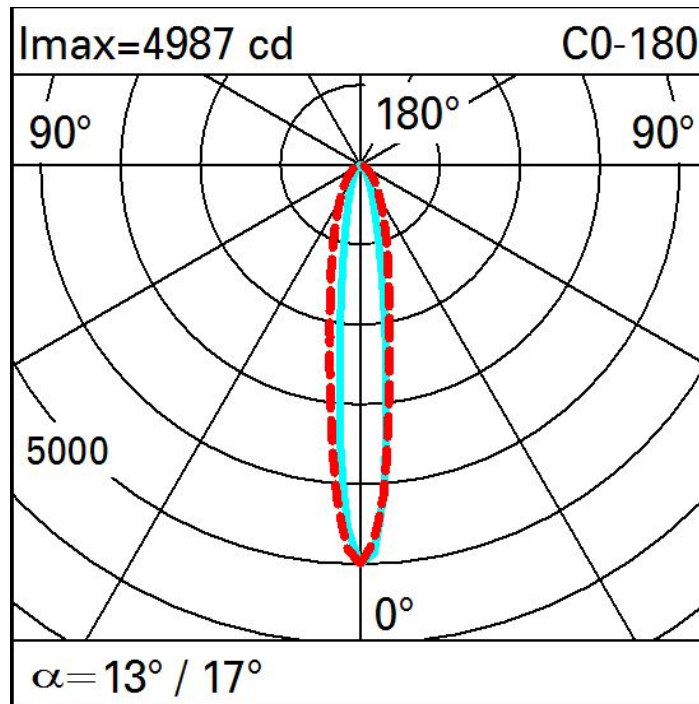
Illuminances

Lux										Wall distance = 1m

m	-2	-1	0	1	2	3
0.1	0.4	2	14	54	13	2	0.4	0.1	0.1
0.2	0.7	2	8	27	78	26	7	2	0.7	0.2
0.6	1	4	11	27	67	29	10	3	1	0.6
0.9	2	4	11	24	55	25	11	4	2	0.9
1.0	2	5	10	20	43	22	10	5	2	1.0