

# כנסיית הדורמיציון

חברת גופי תאורה

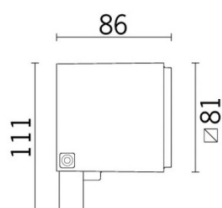
תאריך: 03.07.18

iPro

Design Mario Cucinella

iGuzzini

Last information update: March 2018



**Outdoor floodlight - Neutral white LED - with electronic ballast Vin=100-240V ac - Wide Flood optic**

**Product code**  
BK26

**Technical description**

Direct light outdoor floodlight, designed to use neutral white LED lamps, with wide flood optic. Ground, wall or ceiling installation using special adjustable bracket. The luminaire consists of an optical assembly, rear cap and adjustable bracket. The optical assembly and rear cap 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. Prismatic 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  $\varnothing$  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 mm<sup>2</sup>. Electronic circuit with neutral white LED and highly reflective thermoplastic internal reflector. 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**

Ground, wall or ceiling installation using special bracket. Secure using screw anchors for concrete, cement and solid brick.

**Dimension (mm)**  
81x81x86

**Colour**  
White (01) | Grey (15)

**Weight (Kg)**  
0.86

**Mounting**  
wall surface|free standing

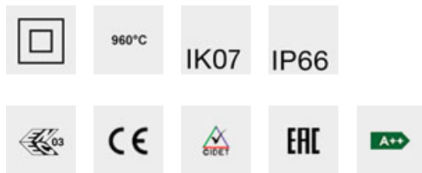
**Wiring**

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

**Notes**

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations



**Product configuration: BK26**

**Product characteristics**

Total lighting output [Lm]: 217.3  
Total power [W]: 6.4  
Luminous efficacy [Lm/W]: 33.9  
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.) [%]: 53  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 4.7  
Nominal luminous [Lm]: 410  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 84°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 1.7  
Colour temperature [K]: 4000  
CRI: 80  
Wavelength [nm]: /  
MacAdam Step: 3

## FIN

### Product Image

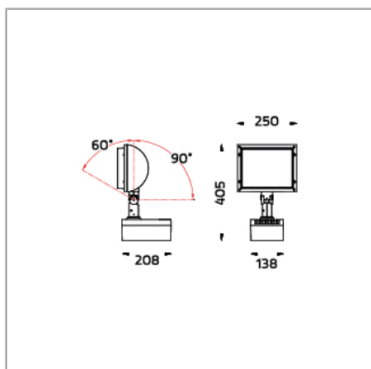


### Project Data

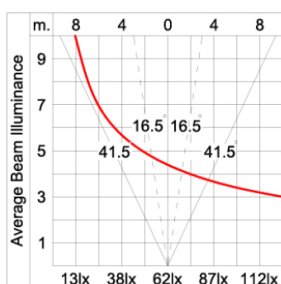
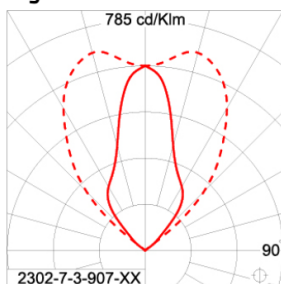
Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date: \_\_\_\_\_  
Remarks: \_\_\_\_\_  
Approve by: \_\_\_\_\_

Application Type: SURFACE WASHER & FLOOD LIGHT  
Product Name: FIN LED  
Ordering Code: 2302-7-3-907-XX  
Lamp Type: LED  
Socket: N/A  
Watt: 55 W  
Lumen: 6950 lm  
Beam: Bi-Symmetric  
Kelvin: 4000 K

### Dimension



### Light Distribution



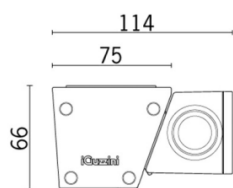
**Linealuce**

**iGuzzini**

Design Jean Michel Wilmotte

iGuzzini

Last information update: April 2018



**Wall-/Ceiling-mounted - 11 Neutral White LEDs - 100-277V ac - L=528mm - Wall Washer Optic**

**Product code**  
BH08

**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 body, with die-cast aluminium end caps complete with silicone seals. Coated with liquid acrylic paint with a high level of weather and UV ray resistance. Lateral power supply box made of PPS (polyphenylene sulfide). The top of the optical assembly is closed by a 3 mm thick transparent glass screen, fixed with silicone. Complete with multi-LED plate in Neutral White 4200K. Fitted with a PMMA diffusing filter and optic with plastic (methacrylate) lens for Wall Washer lighting. The lateral box is supplied with a double connector, male/female, with 3-pin quick coupling for pass-through wiring and a closing cap on one side. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

**Installation**

Accessories available for installation:  $\pm 90^\circ$  adjustable arms L=138mm (code 5576), arms extendable from 309 to 389mm and adjustable  $\pm 90^\circ$  (code 5577), bracket for wall-mounting L=350mm (code BZ10), brackets for mounting on balustrades L297mm (code 5578), bracket for surface- or ceiling-mounting L=350mm (code 5570)

**Dimension (mm)**  
528x75x66

**Colour**  
Grey (15)

**Weight (Kg)**  
1.65

**Mounting**  
wall surface/ceiling surface

**Wiring**

The product is supplied with electronic control gear, 220÷240Vac, 50/60Hz contained in the luminaire. Available for electrical connection: IP66 3-pin female connector (BZ12), IP66 3-pin male connector + closing cap (BZ13), IP66 3-pin male connector + female connector (BZ14), multi-pole cable units with 3-pin male + female connectors (BZJ0-BZJ1-BZJ2)

**Notes**

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations



IK05

IP66



**Product configuration: BH08**

**Product characteristics**

Total lighting output [Lm]: 1125  
Total power [W]: 19.9  
Luminous efficacy [Lm/W]: 56.5  
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  $90^\circ$  [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.) [%]: 73  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 18  
Nominal luminous [Lm]: 1540  
Lamp maximum intensity [cd]: /  
Beam angle [°]: /

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 1.9  
Colour temperature [K]: 4000  
CRI: 80  
Wavelength [nm]: /  
MacAdam Step: 3



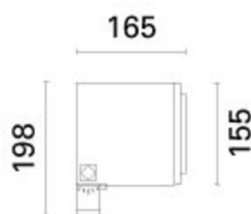
iPro

**iGuzzini**

Design Mario Cucinella

iGuzzini

Last information update: March 2018



**Spotlight with bracket - Warm White COB LED - dimmable electronic ballast 1-10V (220 ÷ 240Vac 50/60Hz) - flood optic**

**Product code**  
BX11

#### Technical description

Floodlight designed to use Warm White COB LED lamps with a flood optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. The luminaire consists of an optical assembly/component-holding box and hidden fixing bracket. The optical assembly and front frame are made of die-cast aluminium alloy painted with a smooth finish (grey RAL 9007) or a textured finish (white RAL 9016). The painting process includes a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The next painting stage consists of a primer and a liquid acrylic paint, cured at 150°, with a high level of weather and UV ray resistance. The tempered sodium-calcium glass cover has customised serigraphy, is 4mm thick, and joined to the frame with silicone. The frame is fastened to the optical assembly by two M5 AISI 304 stainless steel captive screws and a galvanised steel safety cable. The product comes complete with a neutral white colour, monochrome COB LED circuit, an optic with a 99.93% super-pure aluminium OPTIBEAM reflector with a polished, anodized surface and built-in electronic ballast. The component-holding box, in the rear of the luminaire, is set up to hold the control gear, which is fixed with captive screws on a galvanised steel pull-out plate. The control gear can be accessed through the rear door made of painted aluminium alloy, fixed to the product body with four M5 AISI 304 stainless steel captive screws and a safety cable. iPro can be adjusted +95°/-5° relative to the horizontal line using a bracket made of extruded aluminium, on which a graduated scale (with 15° steps) is marked using serigraphy. The internal silicone seals guarantee watertightness IP66h Set up for pass-through wiring using a double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7÷16mm diameter). All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

#### Installation

Ground, wall or ceiling installation using special bracket. Secure using screw anchors for concrete, cement and solid brick.

**Dimension (mm)**  
155x155x165

**Colour**  
White (01) | Grey (15)

**Weight (Kg)**  
3.9

#### Mounting

wall arm|ground surface|wall surface|ground anchored|ground spike|ceiling surface|u-bracket

#### Wiring

Control gear complete with dimmable electronic ballast 1-10V (220÷240V ac 50/60Hz) and quick-coupling terminals.

#### Notes

IK09 with protective grille accessory.

Complies with EN60598-1 and pertinent regulations



#### Product configuration: BX11

#### Product characteristics

Total lighting output [Lm]: 1713.4  
Total power [W]: 19.1  
Luminous efficacy [Lm/W]: 89.7  
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: 100,000h - L80 - B10 (Ta 40°C)  
Number of optical assemblies: 1

#### Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 66  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 16  
Nominal luminous [Lm]: 2600  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 38°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 3.1  
Colour temperature [K]: 3000  
CRI: 80  
Wavelength [nm]: /  
MacAdam Step: 2

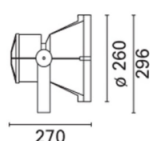
**MaxiWoody**

**iGuzzini**

Design Mario Cucinella

iGuzzini

Last information update: April 2018



**Spotlight with bracket - Warm White COB LED - Integrated dimm electronic control gear DALI - Wide Flood optic**

**Product code**  
BU99

**Technical description**

Spotlight designed to use Warm White COB LED lamps and a 50° wide flood optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. Consists of an optic assembly, component box, glass-holder frame and bracket. The optical assembly, component box, and glass-holder frame are made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The next painting stage consists of a primer and a liquid acrylic paint, cured at 150 °C, with a high level of weather and UV ray resistance. The 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and a seal is included. The 50/60 Shore A silicone seal is subjected to a post-curing treatment, in an oven, for 4 hours at 220 °C. The glass unit is fixed to the frame with silicone. The product comes complete with a warm white colour, monochrome COB LED circuit, an optic with a 99.93% super-pure aluminium OPTIBEAM reflector with a polished, anodized surface and built-in electronic ballast. Zinc-coated stainless steel ballast holding plate; simplified extraordinary maintenance thanks to quick-coupling connectors between the control gear and the LED and the control gear and the wiring terminal block. Painted aluminium alloy box and rear cover, complete with spacers and captive screws. The floodlight can be adjusted by  $\pm 115^\circ$  in the vertical plane using a painted steel bracket, with a graduated scale showing 10° steps and mechanical stops to guarantee stable aiming of the beam of light. Horizontal aiming is performed using the holes and slots in the bracket. Access to the optical assembly is simpler thanks to a nickel-plated brass decompression valve which eliminates the product internal vacuum. Set up for pass-through wiring using a double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7÷16mm diameter). All external screws used are made of A2 stainless steel and are of the captive type. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

**Installation**

The luminaire can be floor, ceiling or wall-mounted using the supporting bracket fixed with screw anchors (Fisher type or similar) for concrete, cement and solid brick or various other available accessories. It can also be installed on a MultiWoody or CityWoody pole system.

**Dimension (mm)**  
Ø260x270

**Colour**  
Grey (15)

**Weight (Kg)**  
4.57

**Mounting**

wall arm|pole arm|ground surface|wall surface|ground anchored|wall bracket|ceiling surface|u-bracket|pole-top

**Wiring**

Control gear complete with DALI dimmable electronic ballast (220÷240V ac 50/60Hz) and quick-coupling terminals.

**Notes**

Dimming function with pushbutton (DIM PUSH): for this option consult the instructions included in the package.

Complies with EN60598-1 and pertinent regulations



**Product configuration: BU99**

**Product characteristics**

Total lighting output [Lm]: 4131  
Total power [W]: 39.6  
Luminous efficacy [Lm/W]: 104.3  
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: 99,000h - L80 - B10 (Ta 40°C)  
Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 78  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 35  
Nominal luminous [Lm]: 5300  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 50°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 4.6  
Colour temperature [K]: 3000  
CRI: 80  
Wavelength [nm]: /  
MacAdam Step: 2

## CL-PROFILE LED Zoom 18-31 ° ou 60 °



**GARANTIE 3 ANS**

### CARACTERISTIQUES PHOTOMETRIQUES

- Couleurs :

4000K ou 3000 K autres N.C  
Optique Zoom 18° - 31° ou 60°

### CARACTERISTIQUES ELECTRIQUES

- Classe 1

- Alimentation en 1,5A

- Puissance de 160W COB CITIZEN

- Alimentation intégrée

-SCX: **CL-PROFILE LED** 18-31 °: 0,12 m2

SCX: **CL-PROFILE LED** 60°: 0,10m2

-23.500 lumens

- Graduable en 0-10 V uniquement

Prochainement DMX / DALI

### CARACTERISTIQUES MECANIKES

- IP65

- Corps en aluminium thermo-laqué RAL 2900 SABLE GRIS AKZO

- Optique en verre trempé

- Projecteur inclinable

### OPTIONS

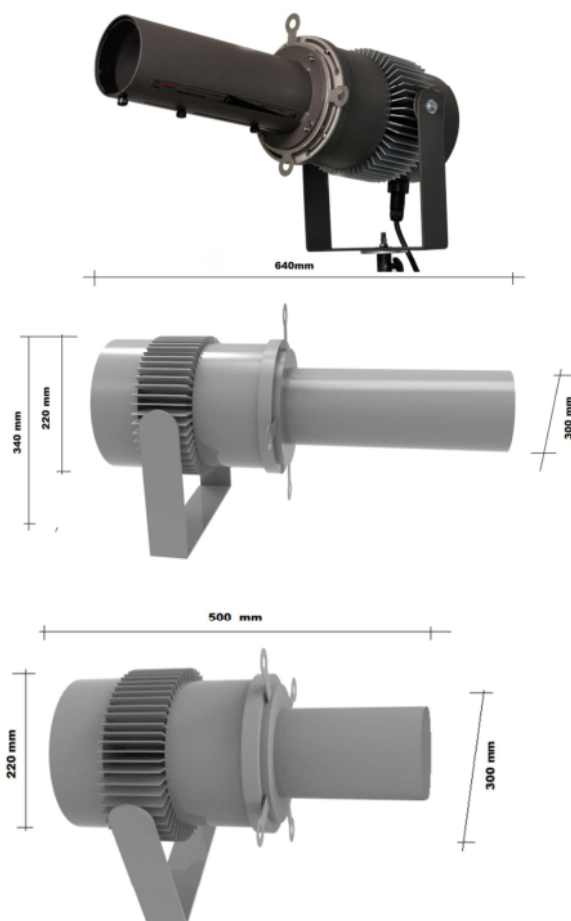
- Différentes couleurs de corps RAL au choix

-Divers Verre de couleurs

- Gobos sur mesure ou standard verre ou métal

- Traitement Salins

**CE** IP65- CLASSE 1- **Made in France**



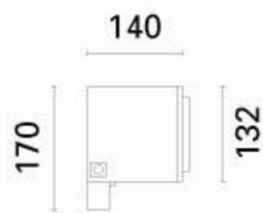
iPro

**iGuzzini**

Design Mario Cucinella

iGuzzini

Last information update: April 2018



#### Spotlight with bracket - Warm White COB Led - electronic ballast 220÷240V ac - flood optic

**Product code**  
BX05

#### Technical description

Floodlight designed to use Warm White COB LED lamps with a flood optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. The luminaire consists of an optical assembly/component-holding box and hidden fixing bracket. The optical assembly and front frame are made of die-cast aluminium alloy painted with a smooth finish (grey RAL 9007) or a textured finish (white RAL 9016). The painting process includes a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The next painting stage consists of a primer and a liquid acrylic paint, cured at 150°, with a high level of weather and UV ray resistance. The tempered sodium-calcium glass cover has customised serigraphy, is 4mm thick, and joined to the frame with silicone. The frame is fastened to the optical assembly by two M5 AISI 304 stainless steel captive screws and a galvanised steel safety cable. The product comes complete with a neutral white colour, monochrome COB LED circuit, an optic with a 99.93% super-pure aluminium OPTIBEAM reflector with a polished, anodized surface and built-in electronic ballast. The component-holding box, in the rear of the luminaire, is set up to hold the control gear, which is fixed with captive screws on a galvanised steel pull-out plate. The control gear can be accessed through the rear door made of painted aluminium alloy, fixed to the product body with four M5 AISI 304 stainless steel captive screws and a safety cable. iPro can be adjusted +95° / -5° relative to the horizontal line using a bracket made of extruded aluminium, on which a graduated scale (with 15° steps) is marked using serigraphy. The internal silicone seals guarantee watertightness IP66h Set up for pass-through wiring using a double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7÷16mm diameter). All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

#### Installation

Ground, wall or ceiling installation using special bracket. Secure using screw anchors for concrete, cement and solid brick.

**Dimension (mm)**  
132x132x140

**Colour**  
White (01) | Grey (15)

**Weight (Kg)**  
2.8

**Mounting**  
wall arm|ground surface|wall surface|ground anchored|ground spike|ceiling surface|u-bracket

**Wiring**  
Luminaire with electronic control gear 220 ÷ 240V ac, 50/60 Hz.

**Notes**  
IK09 with protective grille accessory.

Complies with EN60598-1 and pertinent regulations



#### Product configuration: BX05

#### Product characteristics

Total lighting output [Lm]: 1350  
Total power [W]: 13.6  
Luminous efficacy [Lm/W]: 99.3  
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: 100,000h - L80 - B10 (Ta 40°C)  
Number of optical assemblies: 1

#### Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 73  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 12  
Nominal luminous [Lm]: 1850  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 40°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 1.6  
Colour temperature [K]: 3000  
CRI: 80  
Wavelength [nm]: /  
MacAdam Step: 2



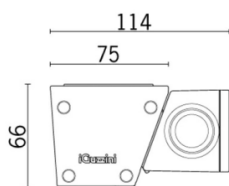
Linealuce

**iGuzzini**

Design Jean Michel Wilmotte

iGuzzini

Last information update: April 2018



**Wall-/Ceiling-mounted - 22 Warm White LEDs - 100-277V ac - L=1056mm - Wall Washer Optic**

**Product code**  
BH05

**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 body, with die-cast aluminium end caps complete with silicone seals. Coated with liquid acrylic paint with a high level of weather and UV ray resistance. Lateral power supply box made of PPS (polyphenylene sulfide). The top of the optical assembly is closed by a 3 mm thick transparent glass screen, fixed with silicone. Complete with multi-LED plate in Warm White 3100K. Fitted with a PMMA diffusing filter and optic with plastic (methacrylate) lens for Wall Washer lighting. The lateral box is supplied with a double connector, male/female, with 3-pin quick coupling for pass-through wiring and a closing cap on one side. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

**Installation**

Accessories available for installation:  $\pm 90^\circ$  adjustable arms L=138mm (code 5576), arms extendable from 309 to 389mm and adjustable  $\pm 90^\circ$  (code 5577), bracket for wall-mounting L=350mm (code BZ10), brackets for mounting on balustrades L297mm (code 5578), bracket for surface- or ceiling-mounting L=350mm (code 5570)

**Dimension (mm)**  
1056x75x66

**Colour**  
Grey (15)

**Weight (Kg)**  
3.2

**Mounting**  
wall surface|ceiling surface

**Wiring**

The product is supplied with electronic control gear, 220-240Vac, 50/60Hz contained in the luminaire. Available for electrical connection: IP66 3-pin female connector (BZ12), IP66 3-pin male connector + closing cap (BZ13), IP66 3-pin male connector + female connector (BZ14), multi-pole cable units with 3-pin male + female connectors (BZJ0-BZJ1-BZJ2)

**Notes**

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations



IK05

IP66



**Product configuration: BH05**

**Product characteristics**

Total lighting output [Lm]: 1631  
Total power [W]: 28.5  
Luminous efficacy [lm/W]: 57.2  
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  $90^\circ$  [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Life Time: 100,000h - L80 - B10 (Ta 40°C)  
Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 77  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 24  
Nominal luminous [Lm]: 2130  
Lamp maximum intensity [cd]: /  
Beam angle [°]: /

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 4.5  
Colour temperature [K]: 3000  
CRI: 80  
Wavelength [nm]: /  
MacAdam Step: 3

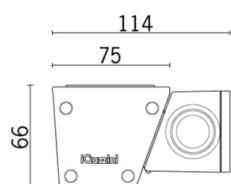
**Linealuce**

**iGuzzini**

Design Jean Michel Wilmotte

iGuzzini

Last information update: June 2018



**Wall-/Ceiling-mounted - 22 Warm White LEDs - 100-277V ac - L=1056mm - Wall Washer Optic**

**Product code**

BH11

**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 body, with die-cast aluminium end caps complete with silicone seals. Coated with liquid acrylic paint with a high level of weather and UV ray resistance. Lateral power supply box made of PPS (polyphenylene sulfide). The top of the optical assembly is closed by a 3 mm thick transparent glass screen, fixed with silicone. Complete with multi-LED plate in Warm White 3100K. Fitted with a PMMA diffusing filter and optic with plastic (methacrylate) lens for Wall Washer lighting. The lateral box is supplied with a double connector, male/female, with 3-pin quick coupling for pass-through wiring and a closing cap on one side. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

**Installation**

Accessories available for installation:  $\pm 90^\circ$  adjustable arms L=138mm (code 5576), arms extendable from 309 to 389mm and adjustable  $\pm 90^\circ$  (code 5577), bracket for wall-mounting L=350mm (code BZ10), brackets for mounting on balustrades L297mm (code 5578), bracket for surface- or ceiling-mounting L=350mm (code 5570)

**Dimension (mm)**

1056x75x66

**Colour**

Grey (15)

**Weight (Kg)**

3.2

**Mounting**

wall surface|ceiling surface

**Wiring**

The product is supplied with electronic control gear, 220÷240Vac, 50/60Hz contained in the luminaire. Available for electrical connection: IP66 3-pin female connector (BZ12), IP66 3-pin male connector + closing cap (BZ13), IP66 3-pin male connector + female connector (BZ14), multi-pole cable units with 3-pin male + female connectors (BZJ0-BZJ1-BZJ2)

**Notes**

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations



IK05

IP66



**Product configuration: BH11**

**Product characteristics**

Total lighting output [Lm]: 2045  
Total power [W]: 39.7  
Luminous efficacy [lm/W]: 51.5  
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  $90^\circ$  [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.) [%]: 73  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 35  
Nominal luminous [Lm]: 2800  
Lamp maximum intensity [cd]: /  
Beam angle [°]: /

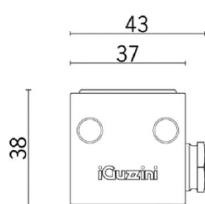
Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 4.7  
Colour temperature [K]: 3000  
CRI: 80  
Wavelength [nm]: /  
MacAdam Step: 3

**Linealuce**

Design Jean Michel Wilmotte

iGuzzini

Last information update: June 2018



**Wall-/Ceiling-mounted - 12 Warm White LEDs - 24V dc - L=1056mm - Wall Washer Optic**

**Product code**  
BH23

**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 body, 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 Warm White 3100K 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 (BZJ6).

**Dimension (mm)**  
1056x37x38

**Colour**  
Grey (15)

**Weight (Kg)**  
1.59

**Mounting**  
wall surface|ceiling surface

**Wiring**

The product is supplied with a single nickel-plated brass cable gland PG9 and a 2x1mm<sup>2</sup> 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



**Product configuration: BH23**

**Product characteristics**

Total lighting output [Lm]: 612  
Total power [W]: 14  
Luminous efficacy [Lm/W]: 43.7  
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]: 24  
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.) [%]: 54  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 13  
Nominal luminous [Lm]: 1130  
Lamp maximum intensity [cd]: /  
Beam angle [°]: /

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 1  
Colour temperature [K]: 3000  
CRI: 80  
Wavelength [nm]: /  
MacAdam Step: 3



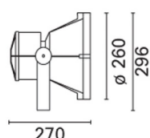
**MaxiWoody**

**iGuzzini**

Design Mario Cucinella

iGuzzini

Last information update: April 2018



**Spotlight with bracket - Warm White COB LED - Integrated electronic control gear dimm 1-10V - Spot optic**

**Product code**  
BU89

**Technical description**

Spotlight designed to use Warm White COB LED lamps and a spot optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. Consists of an optic assembly, component box, glass-holder frame and bracket. The optical assembly, component box, and glass-holder frame are made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The next painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and a seal is included. The 50/60 Shore A silicone seal is subjected to a post-curing treatment, in an oven, for 4 hours at 220 °C. The glass unit is fixed to the frame with silicone. The product comes complete with a warm white colour, monochrome COB LED circuit, an optic with a 99.93% super-pure aluminium reflector with a polished, anodized surface and built-in electronic ballast. Zinc-coated stainless steel ballast holding plate; simplified extraordinary maintenance thanks to quick-coupling connectors between the control gear and the LED and the control gear and the wiring terminal block. Painted aluminium alloy box and rear cover, complete with spacers and captive screws. The floodlight can be adjusted by  $\pm 115^\circ$  in the vertical plane using a painted steel bracket, with a graduated scale showing 10° steps and mechanical stops to guarantee stable aiming of the beam of light. Horizontal aiming is performed using the holes and slots in the bracket. Access to the optical assembly is simpler thanks to a nickel-plated brass decompression valve which eliminates the product internal vacuum. Set up for pass-through wiring using a double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7÷16mm diameter). All external screws used are made of A2 stainless steel and are of the captive type. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

**Installation**

The luminaire can be floor, ceiling or wall-mounted using the supporting bracket fixed with screw anchors (Fisher type or similar) for concrete, cement and solid brick or various other available accessories. It can also be installed on a MultiWoody or CityWoody pole system.

**Dimension (mm)**  
Ø260x270

**Colour**  
Grey (15)

**Weight (Kg)**  
4.57

**Mounting**

wall arm|pole arm|ground surface|wall surface|ground anchored|wall bracket|ceiling surface|u-bracket|pole-top

**Wiring**

Control gear complete with a 1-10V dimmable electronic ballast (220÷240V ac 50/60Hz) and quick-coupling terminals.

Complies with EN60598-1 and pertinent regulations



IK08

IP67



**Product configuration: BU89**

**Product characteristics**

Total lighting output [Lm]: 2587  
Total power [W]: 28.4  
Luminous efficacy [Lm/W]: 91.1  
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: 100,000h - L80 - B10 (Ta 40°C)  
Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 70  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 24  
Nominal luminous [Lm]: 3700  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 10°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 4.4  
Colour temperature [K]: 3000  
CRI: 80  
Wavelength [nm]: /  
MacAdam Step: 2

# מפרט טכני

## לאספקת גופי תאורה

## 1. התקנת גופי תאורה

גופי התאורה יסופקו כך שישלול את כל האביזרים הדרושים להתקנתם המושלמת בכל מצב של המוצר כשהם כוללים את כל הציוד הדרוש משנק, מצברים או שנאי וכו'.

1.2 האביזרים יאפשרו לפרק ולתקין בקלות מספר רב של פעמים בלא שיגרם נזק לאלמנט גמר כלשהו וללא כל צורך בפירוק אלמנטי גמר שונים.

1.3 לגופי תאורה המכילים ציוד פריקה לא אינטגרלי – יסופק הציוד הנלווה בתיבה נפרדת אורגינלית או מארז שווה ערך שיוגש לאישור מוקדם, החיווט המקשר בין הגוף למארז יהיה תקני, יסופק ע"י הספק ויאפשר חיבור החוטים באופן הנכון בלבד. המוצרים יוגשו לאישור כולל המארז הנלווה והחיווט המקשר בניהם.

1.4. לגופי תאורה המכילים ציוד חרום:

הציוד יותקן באופן אינטגרלי אך ורק באם קיים מספיק מרווח לגישה לכל האביזרים ואין חשש להתחממות הגוף מעל טמפ' המומלצת. לגבי ציוד שיסופק במארז נפרד ראה ס"ק 2.3 לעיל.

## 2. מערכת החשמל

2.1 ביצוע כל מערך החשמל להזנת גופי התאורה יבוצע ע"פ חוק החשמל בהתאם למפרט טכני של מהנדס החשמל והנחיות מחלקת מאור של עירייה

## 3. גופי תאורה מיובאים

3.1 ג"ת יסופקו באריזתם המקורית תוך הקפדה על איכותם. על הגופים לעמוד בתקן ישראלי. כל החוטים יהיו עם בידוד P.V.C והחיבורים לגוף יהיו עם מהדקים.

3.2 במידה ויש צורך בשינוי צבע – בתיאום עם מתכנן/ אדריכל, הג"ת יצבע בצבע גמר אפוקסי או צבע אפוי בתנור.

3.3 לא יאושרו שווה-ערך לאותם גופים שבמכרז הסופי לא תינתן אפשרות לשו"ע – על הגופים שינתנו שו"ע להיות מאושרים אצל המתכנן ע"י דוגמא מחווטת ועובדת לפני אספקה לאתר.

3.4. לאחר קבלת הצעות המחיר ובחינתם יתאם המתכנן מפגש בנוכחות היוזם, מנ"פ אדריכל, קבלן ומהנדס חשמל עם המועמדים הסופיים לאספקת גופי התאורה לבחינת גופי התאורה והצגתם בצורה מרוכזת לפני אספקה לאתר.

## 4. גופי תאורה – יצור

4.1 ג.ת. אשר ייצור במיוחד עקב דרישות הפרויקט יבוצע עפ"י הנחיות המתכננים ומהנדס החשמל ויעמדו בדרישות התקן. הגוף יעבור את כל התהליכים למיגונו מפני מפגעי מזג האוויר והתחמצנות ויצבעו באם הדבר נדרש, בתאום עם המתכננים בצבע אפור תנור או אמאיל. ציוד הצתה, חיווט ובתי נורה יעמדו בדרישות התקן. כל הברגים יהיו מגלוונים או מניקל או מצופים.

4.2 לכל ג"ת יצור יעשה אב טיפוס שיבחן ויאשר ע"י מתכנן התאורה והאדריכל לפני יצור כל הכמות.

## 5. דוגמאות

5.1 הדוגמאות של כל המוצרים יסופקו לאתר לאישור מתכן התאורה, יועץ החשמל והמהנדס תוך 30 יום מצו התחלת העבודה כשהן מושלמות וכוללות את כל האביזרים והציוד הנלווה. לאחר האישור הראשוני יותקנו על גבי אלמנטים דומים לאלמנטים המתוכננים במבנה ויופעלו למשך תקופה שתקבע ע"י המהנדס. הדוגמא תהיה זהה לגמרי למוצר שבכוונת הספק/ים לספק ולהתקין והאישור הסופי יינתן לאחר שנבדקה עוצמת התאורה והאפקט האדריכלי של המוצר, המזמין או המתכנן ו/או המהנדס שומרים לעצמם את הזכות לפסול כל דוגמת ציוד או מוצר לפי ראות עיניהם ועל הספק/ים יהיה להגיש דוגמא חדשה לאישור.

5.2 אספקת והפעלת הדוגמאות לכל המוצרים שבכתב הכמויות הינה תנאי בסיסי לקיום החוזה ובאם החליט המתכנן שהספק/ים משתהה באספקת דוגמאות או אינו עושה מאמץ מספיק, עפ"י החלטתו של מתכנן התאורה לאשר את הדוגמאות, רשאים הנ"ל לפסול הדוגמא ולפנות לספק אחר לקבלת המוצר החלופי ע"ח הספק.

## 6. אספקת שווה ערך מאושר

6.1 בכל מקום בו מצוין שם היצרן או שמו המסחרי של המוצר מתייחס המחיר למוצע בהצעתו של הספק אך ורק למוצר מסוים זה. מוצר אחר שאושר ע"י המתכנן כשווה ערך, מחירו ייקבע בהתאם, וזאת בין אם המוצר הוחלף בשווה ערך ביוזמת הספק / או הנ"ל. השימוש בשווה ערך טעון אישור מראש. מחירו של מוצר שווה ערך אך מאושר יקבע לפני אספקתו לאתר.

6.2 כל מקרה בו מתכוון הספק בשלב הגדרת ההצעות להתבסס על המוצר שווה ערך עליו לציין זאת במפורש בהצעתו ולצרף להצעתו עקומות פוטומטריות, מפרט טכני של הגופים וכל פרט שיידרש ע"י המתכנן ולדאוג לאשרו עוד בשלב הגשת ההצעות.

## 7. מערכות בקרה ושליטה ממוחשבת

7.1 יש לתאם ציוד נלווה בשימוש במערכות בקרה ממוחשבות:

ג.ת. למתח נמוך: יש לתאם סוג של שנאי מול החברה המספקת את מערכות הבקרה. ג.ת. לתאורה פלורוסנטית: יש לתאם סוג המשנקים מול החברה המספקת את מערכות הבקרה.

על הקבלן המבצע וספק מערכות ממוחשבות לבצע ניסוי תאורה לבדיקת יישום שנאים על גבי הדימרים המוצאים ולאשר את התוצאה עם מתכנן התאורה.

## 8. גופי תאורה לד "LED"

התאורה בפריטים השונים תתבסס על טכנולוגית לד. הזוכה יחויב לספק עם גופי התאורה את מנגנוני הבקרה ואת החוטים הדרושים להתקנת תאורת LED וכל האביזרים הנלווים למערכת עד לעבודה מושלמת. כל מקורות האור יהיו LED מתוצרת Philips Lumileds, cree, Edison,

על הקבלן להיות מאושר חברת לדים מוכרת לייצור גופי תאורה

גוויי ה LED שיסופקו יהיו לאחר מיון קפדני ביותר (Bin Selection)

כל מקורות האור LED יהיו בעלי יכולת עמעום

על ספק הלדים להציג תקינה בין-לאומית לגופי התאורה

כל מעגלי ה LED יהיו מוגנים בעזרת "Thermal Feedback" להבטחת פעילות תקינה

## בקרה LED

על ספק הלדים להציג תקינה בין-לאומית למערכות הבקרה  
כל מערכות הבקרה יופעלו במתח נמוך בלבד  
על מערכת הבקרה להיות בעלת אפשרות עמעום מסוג "Flicker Free" ( ללא ריצוד)  
על הזכיון לכלול מגוון אפשרויות בקרה המתאימים הן לסוג וכמות גופי התאורה

## 9. אחריות ותקינה

כל הגופים והציוד יהיו בעלי תקן ישראלי. בהעדר תקינה ישראלית יתקבל תקן אמריקאי או אירופאי בהתאם לארץ הייצור גופים לא יתקבל תו תקן מארצות אחרות. כל הגופים יישאו תווית או חותמת היצרן, הדגם והתקן.  
בנוסף לאחריות הקבלן תינתן אחריות מורחבת לכל גופי התאורה LED **למשך 5 שנים**. בטקס 'ח' ו'לסזם ב' וג' יט'  
עוצמת האור בגופי הLED עפ' תקן L80 L79 וכן תכסה כל בעיה שתגרם כתוצאה מחדירת מים לכל אחד מרכיבי הגוף וכן תכסה כל נזק שיגרם לגוף התאורה כתוצאה מפגעי מזג האוויר.  
אחריות זו תינתן ישירות ע"י יבואן גופי התאורה בארץ ותסופק בכתב עם הגשת הצעת המחיר/מכרז.

## 10. הנחיות כלליות:

גוון הנורות והצבע יקבע ע"י המתכנן לאחר ניסוי בשטח באחריות הקבלן לספק נורות ע"פ דרישת המתכנן לצורך ניסוי התאורה.  
מחיר הגופים כולל נורות לבנות בגוון קר, חם תוצרת אירופאית או צבעוניות תוצרת אירופאית.  
עם סיום התקנת גופי התאורה יבוצעו כיווני תאורה ע"י הקבלן הזוכה בהתאם להנחיות היועץ.  
מיקום הגופים המדויק יקבע לאחר ניסוי/ סיור משותף שיערך בשטח.