

## Led Tube

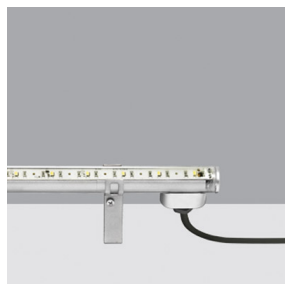
Design iGuzzini

iGuzzini

Last information update: October 2023

### Product configuration: BJ48+BZN5.13

BJ48: Wall-/ceiling-mounted luminaires - Warm White LEDs - external power supply Vin=24V dc - L=815mm - Diffusing Optic  
BZN5.13: Pair of stainless steel supporting arms L=60mm - Steel



#### Product code

BJ48: Wall-/ceiling-mounted luminaires - Warm White LEDs - external power supply Vin=24V dc - L=815mm - Diffusing Optic

**Attention! Code no longer in production**

#### Technical description

Direct light luminaire, designed to use Warm White monochrome LED lamps, with diffusing optic. Ceiling-/wall-mounted. Consists of a body and supports for installation, to be ordered separately. Extruded polycarbonate cylindrical body with semi-transparent (etched) finish and anti-UV treatment; die-cast Zamak cover plates and cable gland supports with opaque nickel galvanic treatment, complete with silicone seals. Monochrome version with electronic circuit 24V dc, warm white LEDs, Dali dimmable using Dali ballast and interface to be ordered separately. Set up for pass-through wiring using a black plastic double PG11 cable gland and double multi-core cable L=500mm. Various wiring accessories are available: IP68 linear connectors for pass-through wiring, DIN bar or surface-mounted 24V dc external power supplies, dimming and control interfaces. All screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

#### Installation

Product fixed using AISI304 stainless steel arms, L=60 and 120mm, complete with safety screw, to be ordered separately.

#### Colour

Chrome / Nitric (A5)

#### Weight (Kg)

0.92

#### Mounting

wall arm|wall surface|ceiling surface

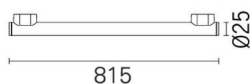
#### Wiring

Luminaire equipped with 24V dc electronic circuit and electronic ballast to be ordered separately. Set up for pass-through wiring using a black plastic double PG11 cable gland and double multi-core cable L=500mm. Available for electrical connections: 2-pin IP68 linear connector, suitable for cables with diameter D=5-13.5mm complete with terminal block for cables with max. section 4mm<sup>2</sup> and cover plate for connectors.

#### Notes

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations



#### Accessory code

BZN5.13: Pair of stainless steel supporting arms L=60mm - Steel **Attention! Code no longer in production**

#### Technical description

Pair of AISI304 stainless steel supporting arms for Led Tube L=60mm, complete with safety screw

#### Installation

For wall-, pavement- and ceiling-mounting Led Tube products. Secure using screw anchors for concrete, cement and solid brick.

#### Colour

Steel (13)

#### Weight (Kg)

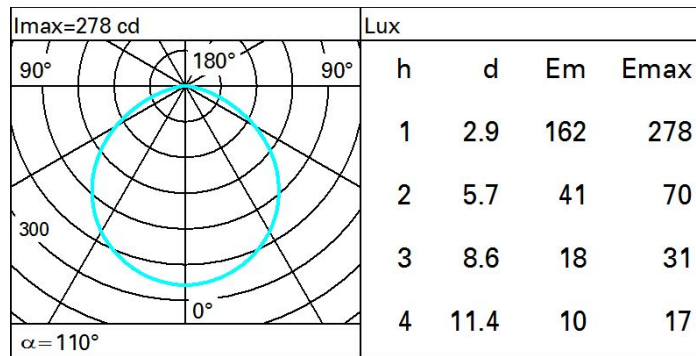
0.04

Complies with EN60598-1 and pertinent regulations

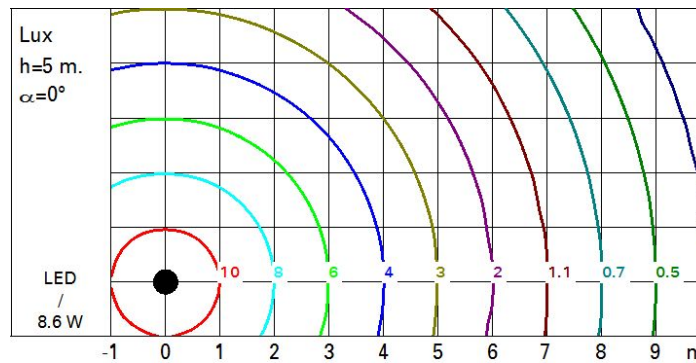
#### Technical data

Im system:	754	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W system:	8.6	Life Time LED 2:	50,000h - L80 - B10 (Ta 40°C)
Im source:	820	Ballast losses [W]:	2.2
W source:	6.4	Voltage [Vin]:	24
Luminous efficiency (Im/W, real value):	87.7	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	5	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	92	Number of optical assemblies:	1
Beam angle [°]:	110°	Intervall temperatura ambiente:	from -20°C to +35°C.
CRI (minimum):	80	LED current [mA]:	90
Colour temperature [K]:	3000	Control:	PWM
MacAdam Step:	3		

### Polar



### Isolux



### UGR diagram

Corrected UGR values (at 820 lm bare lamp luminous flux)												
Reflect.:		viewed crosswise					viewed endwise					
ceiling	cav	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	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	0.20
Room dim		viewed crosswise					viewed endwise					
x	y											
2H	2H	22.0	23.2	22.4	23.5	23.8	22.0	23.2	22.4	23.5	23.8	23.8
	3H	23.2	24.3	23.6	24.6	24.9	22.5	23.5	22.8	23.8	24.1	24.1
	4H	23.6	24.6	23.9	24.9	25.2	22.6	23.6	23.0	23.9	24.2	24.2
	6H	23.8	24.7	24.2	25.0	25.4	22.6	23.5	23.0	23.9	24.2	24.2
	8H	23.8	24.7	24.2	25.0	25.4	22.6	23.5	23.0	23.8	24.2	24.2
	12H	23.8	24.7	24.2	25.0	25.4	22.6	23.4	23.0	23.8	24.2	24.2
4H	2H	22.6	23.6	23.0	23.9	24.2	23.6	24.6	23.9	24.9	25.2	25.2
	3H	23.9	24.8	24.4	25.1	25.5	24.2	25.0	24.6	25.4	25.7	25.7
	4H	24.4	25.1	24.8	25.5	25.9	24.4	25.1	24.8	25.5	25.9	25.9
	6H	24.7	25.3	25.1	25.7	26.2	24.5	25.2	25.0	25.6	26.0	26.0
	8H	24.7	25.3	25.2	25.7	26.2	24.5	25.1	25.0	25.6	26.0	26.0
	12H	24.8	25.3	25.2	25.7	26.2	24.5	25.1	25.0	25.5	26.0	26.0
8H	4H	24.5	25.1	25.0	25.6	26.0	24.7	25.3	25.2	25.7	26.2	26.2
	6H	24.9	25.4	25.4	25.8	26.3	24.9	25.4	25.4	25.9	26.4	26.4
	8H	25.0	25.4	25.5	25.9	26.4	25.0	25.4	25.5	25.9	26.4	26.4
	12H	25.1	25.4	25.6	25.9	26.5	25.0	25.4	25.5	25.9	26.4	26.4
12H	4H	24.5	25.1	25.0	25.5	26.0	24.8	25.3	25.2	25.7	26.2	26.2
	6H	24.9	25.3	25.4	25.8	26.3	25.0	25.4	25.5	25.9	26.4	26.4
	8H	25.0	25.4	25.5	25.9	26.4	25.1	25.4	25.6	25.9	26.5	26.5
Variations with the observer position at spacing:												
S =		1.0H	0.1 / -0.1				0.1 / -0.1					
		1.5H	0.4 / -0.6				0.4 / -0.6					
		2.0H	0.6 / -1.0				0.6 / -1.0					