

Last information update: October 2023

Product configuration: BG20

BG20: Monochrome LED luminaire with electronic control gear

**Product code**

BG20: Monochrome LED luminaire with electronic control gear

Technical description

External direct-light luminaire to be applied to the ground designed to use LED lamps with symmetrical optic. The product is made up of lamp compartment and body. The cylindrical body is made of extruded aluminium and subject to painting and chromate treatment. It houses three stainless-steel rods fixed to the base that make it highly shock-resistant. The product is anchored to the ground by means of a fixing base made of a corrosion-proof diecast aluminium alloy with low copper content. The polycarbonate diffuser screen is fixed to the component-holding box by a diecast-aluminium internal fixing ring. The sheet-aluminium lamp cover is designed to house accessories. The lid-hinging ring is made of diecast aluminium subject to painting and chromate treatment. The top of the fitting is closed by a diecast-aluminium external lid with bayonet-closing system and fixing bolt. The screw can be removed by a socket-head spanner (special spanner upon request). The superpure-aluminium reflector is fixed to the internal end cap by captive screws. The component-holding compartment is made of diecast aluminium. The temperature of all accessible parts never exceeds 75° C. All external screws are made of stainless steel A2.

Installation

Application either directly by fisher screws (floor) or by fixing bases and outer casing with Dakromet-coated bars against corrosion (to be ordered separately).

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

3.15

Mounting

ground anchored

Wiring

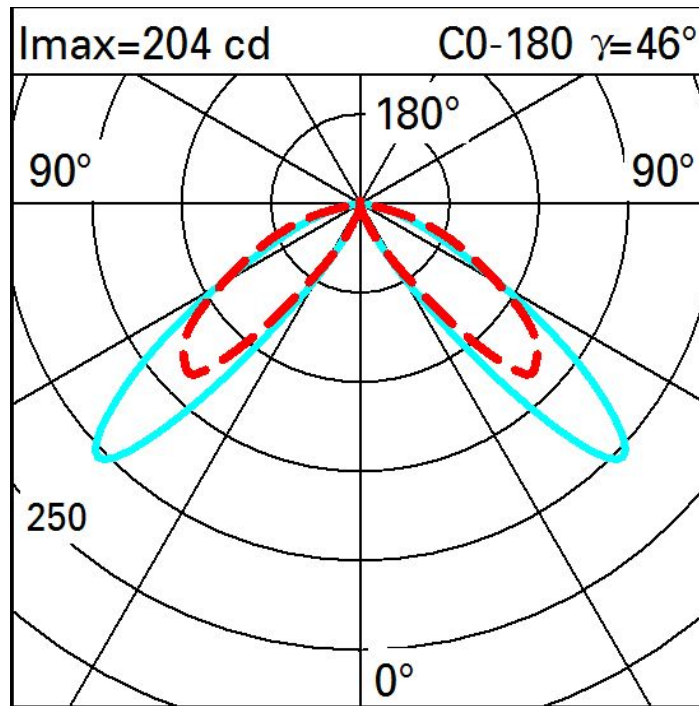
The fitting houses an extractable component-holding plate fixed to the box by captive screws and a fast electrical disconnection system. Electronic control gear. The control-gear box can be equipped with double PG for through wiring upon request. Completing with projecting cable H05RN-F 2x1mm2L=600mm.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	387	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	8.1	Ballast losses [W]:	2.1
Im source:	730	Lamp code:	LED
W source:	6	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	47.8	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	6	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	53	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	5 A / 50 µs
Colour temperature [K]:	3000	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
MacAdam Step:	2	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	Control:	On/off

Polar



Isolux

