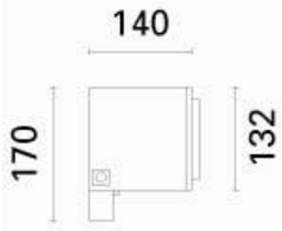


Last information update: May 2024

Product configuration: BD33+L160

BD33: Superspot floodlight 20W HIT (CDM-Tm) flood optic



Product code

BD33: Superspot floodlight 20W HIT (CDM-Tm) flood optic **Attention! Code no longer in production**

Technical description

Floodlight designed to use 20W CDM-Tm (PGJ5) metal halide discharge lamps with Flood (F) optic. 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 coated with liquid acrylic paint (colour: RAL 9007 grey) or textured liquid paint (colour: RAL 9016 white) with a high level of resistance to atmospheric agents and UV rays. The 5 mm thick transparent, tempered sodium – calcium safety glass is 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 optical assembly contains the reflector made of 99.93% super-pure aluminium subjected to anodic oxidation and polishing. 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. The luminaire is set up for pass-through wiring using two PG11 nickel-plated brass cable clamps, suitable for the entry of cables with diameter between 6.5 and 11 mm. The connection between the mains and the control gear is made using a 3-pole terminal board with quick-coupling system. iPro can be angled relative to the horizontal plane (+95°/-5°) using an extruded aluminium bracket on which the graduated scale (15° steps) is marked with serigraphy. The internal silicone seals guarantee watertightness IP66. A number of accessories are available: spill-rings, lamellar louvre, visor, directional flaps, cylindrical screen, glass refractors, diffusers and coloured filters which can be applied in pairs. All external screws used are made of A2 stainless steel.

Installation

Wall-, ceiling- and ground-mounted using bracket and fisher (not included). Can be ground-mounted with stake accessory. Can be mounted on branches with belt accessory. Dimensions:

Colour

White (01) | Grey (15)

Mounting

wall surface|ground spike|ceiling surface|free standing

Notes

IK 09 with protective grille accessory

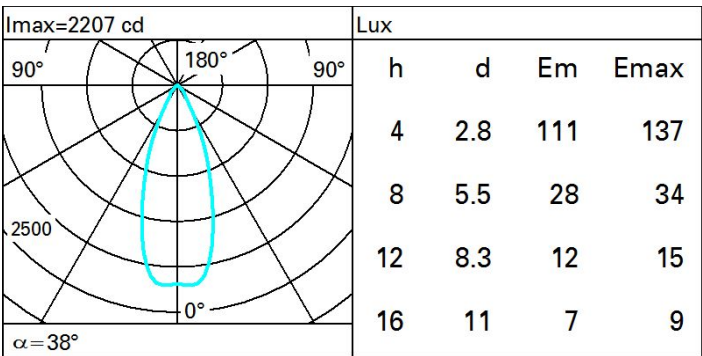
Complies with EN60598-1 and pertinent regulations



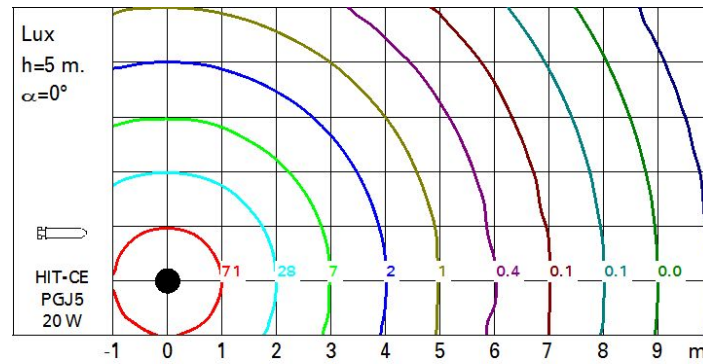
Technical data

Im system:	1104	CRI (minimum):	86
W system:	24	Colour temperature [K]:	3000
Im source:	1650	Voltage [Vin]:	230
W source:	20	Lamp code:	L160
Luminous efficiency (Im/W, real value):	46	Socket:	PGJ5
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	HIT-CE
Light Output Ratio (L.O.R.) [%]:	67	Number of optical assemblies:	1
Beam angle [°]:	38°	Intervallo temperatura ambiente:	from -20°C to +35°C.

Polar



Isolux



UGR diagram

Corrected UGR values (at 1650 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling		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											
x	y										
2H	2H	14.9	15.5	15.2	15.8	16.0	14.9	15.5	15.2	15.8	16.0
	3H	14.9	15.5	15.2	15.8	16.0	14.8	15.4	15.1	15.7	15.9
	4H	14.9	15.5	15.3	15.8	16.1	14.7	15.3	15.1	15.6	15.9
	6H	14.9	15.4	15.3	15.7	16.1	14.7	15.2	15.0	15.5	15.8
	8H	14.9	15.4	15.2	15.7	16.0	14.7	15.1	15.0	15.5	15.8
	12H	14.8	15.3	15.2	15.6	16.0	14.6	15.1	15.0	15.4	15.8
4H	2H	14.7	15.3	15.1	15.6	15.9	14.9	15.5	15.3	15.8	16.1
	3H	14.8	15.3	15.2	15.6	16.0	14.9	15.4	15.3	15.7	16.1
	4H	14.9	15.3	15.3	15.7	16.1	14.9	15.3	15.3	15.7	16.1
	6H	14.9	15.3	15.3	15.7	16.1	14.9	15.2	15.3	15.6	16.0
	8H	14.9	15.2	15.3	15.6	16.0	14.8	15.2	15.3	15.6	16.0
	12H	14.8	15.1	15.3	15.6	16.0	14.8	15.1	15.2	15.5	16.0
8H	4H	14.8	15.2	15.3	15.6	16.0	14.9	15.2	15.3	15.6	16.0
	6H	14.9	15.1	15.3	15.6	16.0	14.9	15.1	15.3	15.6	16.0
	8H	14.8	15.1	15.3	15.5	16.0	14.8	15.1	15.3	15.5	16.0
	12H	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.0
12H	4H	14.8	15.1	15.2	15.5	16.0	14.8	15.1	15.3	15.6	16.0
	6H	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.0
	8H	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.0
Variations with the observer position at spacing:											
S =		1.0H	1.8 / -4.5				1.8 / -4.5				
		1.5H	4.1 / -5.4				4.1 / -5.4				
		2.0H	5.9 / -5.6				5.9 / -5.6				