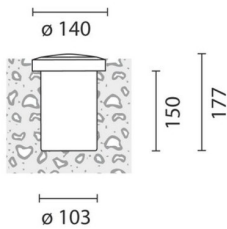


Last information update: April 2024

Product configuration: 7160+1698

7160: Floodlight complete with transformer - fixed optics 20W 12V QR CBC 51

**Product code**7160: Floodlight complete with transformer - fixed optics 20W 12V QR CBC 51 **Attention! Code no longer in production****Technical description**

Ground-recessed luminaire, for use with 12V halogen lamps (QR-CBC 51). With fixed optic and suitable for Energy Saver lamps (Osram Decostar 51 ES and Philips MASTERline ES). Consists of a circular body and a frame made of AISI 304 stainless steel, with surface treatment to increase resistance to corrosion. The product has an 8 mm thick tempered sodium - calcium closing glass which resists a static load of 1000 kg, plus a black EPDM seal. With aluminium component-holding plate. The base of the product is fitted with a stainless steel PG16 cable clamp, complete with 1 m power cable and anti-transpiration device. The frame, glass and optical assembly together guarantee resistance to a static load of 1000 kg. All external screws used are made of A2 stainless steel.

Installation

Fitted into the ground.

Colour
Steel (13)

Weight (Kg)
1.89

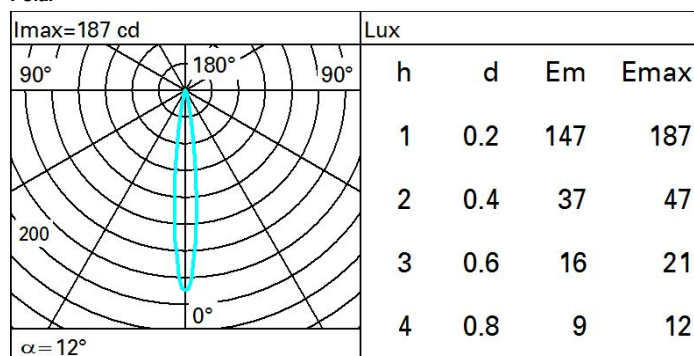
Mounting
ground recessed

Wiring
Luminaire with electromagnetic transformer.

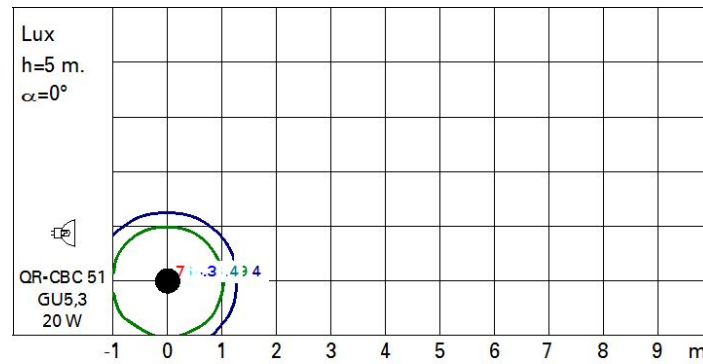
Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	69.5	Colour temperature [K]:	3000
W system:	22	Lamp maximum intensity	5000
lm source:	300	[cd]:	
W source:	20	Voltage [Vin]:	12
Luminous efficiency (lm/W, real value):	3.2	Lamp code:	1698
lm in emergency mode:	-	Socket:	GU5,3
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	23	ZVEI Code:	QR-CBC 51
Beam angle [°]:	12°	Number of optical assemblies:	1
CRI:	100	Intervalllo temperatura ambiente:	from -20°C to +35°C.

Polar

Isolux



UGR diagram

Corrected UGR values (at 60 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
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		viewed crosswise					viewed endwise				
x	y										
2H	2H	-4.7	-2.8	-4.4	-2.5	-2.1	-4.7	-2.8	-4.4	-2.5	-2.1
	3H	-4.8	-3.0	-4.5	-3.3	-3.0	-4.8	-3.0	-4.5	-3.3	-3.0
	4H	-4.9	-3.9	-4.5	-3.6	-3.3	-4.9	-3.9	-4.5	-3.6	-3.3
	6H	-4.9	-4.2	-4.5	-3.9	-3.5	-4.9	-4.2	-4.5	-3.9	-3.5
	8H	-5.0	-4.2	-4.6	-3.8	-3.5	-5.0	-4.2	-4.6	-3.8	-3.5
	12H	-5.1	-4.2	-4.7	-3.8	-3.4	-5.1	-4.2	-4.7	-3.8	-3.4
4H	2H	-4.9	-3.9	-4.5	-3.6	-3.3	-4.9	-3.9	-4.5	-3.6	-3.3
	3H	-5.1	-4.2	-4.7	-3.8	-3.4	-5.1	-4.2	-4.7	-3.8	-3.4
	4H	-5.3	-4.1	-4.8	-3.7	-3.3	-5.3	-4.1	-4.8	-3.7	-3.3
	6H	-5.6	-3.9	-5.1	-3.4	-3.0	-5.6	-3.9	-5.1	-3.4	-3.0
	8H	-5.7	-3.9	-5.2	-3.4	-2.9	-5.7	-3.9	-5.2	-3.4	-2.9
	12H	-5.8	-3.9	-5.3	-3.5	-2.9	-5.8	-3.9	-5.3	-3.5	-2.9
8H	4H	-5.7	-3.9	-5.2	-3.4	-2.9	-5.7	-3.9	-5.2	-3.4	-2.9
	6H	-5.8	-4.2	-5.3	-3.7	-3.2	-5.8	-4.2	-5.3	-3.7	-3.2
	8H	-5.7	-4.5	-5.2	-4.0	-3.5	-5.7	-4.5	-5.2	-4.0	-3.5
	12H	-5.6	-4.9	-5.1	-4.4	-3.8	-5.6	-4.9	-5.1	-4.4	-3.8
12H	4H	-5.8	-3.9	-5.3	-3.5	-2.9	-5.8	-3.9	-5.3	-3.5	-2.9
	6H	-5.7	-4.5	-5.2	-4.0	-3.5	-5.7	-4.5	-5.2	-4.0	-3.5
	8H	-5.6	-4.9	-5.1	-4.4	-3.8	-5.6	-4.9	-5.1	-4.4	-3.8
Variations with the observer position at spacing:											
S =		1.0H	1.0	/	-2.1		1.0	/	-2.1		
		1.5H	2.0	/	-1.2		2.0	/	-1.2		
		2.0H	2.0	/	-1.2		2.0	/	-1.2		