

Last information update: January 2025

Product configuration: 6141+1769

6141: Floodlight70W HIT G12electronic with Medium (M) optic

**Product code**

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Technical description

Direct light luminaire designed to use HIT metal halide lamps, with Medium optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. Consists of an optical assembly and bracket. The optical assembly and frame are made of aluminium alloy coated with liquid acrylic paint with a high level of weather and UV ray resistance. The frame is fastened to the optical assembly by captive screws and a stainless steel retaining cable. Slots in the frame allow rainwater drainage. The 4 mm thick colourless transparent tempered sodium-calcium closing glass is fitted with a 50-60 Shore A silicone seal. The glass+seal assembly is fixed to the frame using silicone. The reflector is made of 99.93% super-pure aluminium. The ballast holding plate is made of plastic, whilst the box and rear cover are painted aluminium alloy. Complete with spacers and captive screws. The floodlight can be adjusted $\pm 115^\circ$ 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 installed at ground level or on walls using the supporting bracket fixed with screw anchors (Fisher type or similar). It can also be installed in the Multiwoody and Citywoody pole system.

Colour

Grey (15)

Mounting

wall arm|wall surface|ground anchored|free standing

Wiring

Control gear complete with electronic ballast and quick-coupling terminals.

Notes

Accessories available: refractor for elliptical light flow distribution, diffusing glass, coloured filters, accessories retention cable, visor, directional flaps, louvre and spill-ring for visual comfort, protective grille, floor anchor plate and cylindrical screen.

Complies with EN60598-1 and pertinent regulations

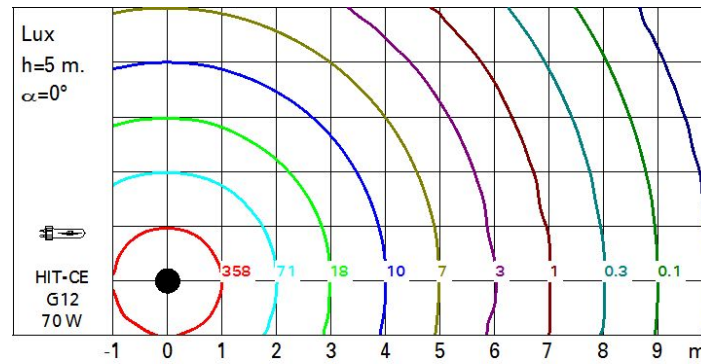
**Technical data**

lm system:	4568	CRI (minimum):	83
W system:	78	Colour temperature [K]:	3000
lm source:	6600	Voltage [Vin]:	230
W source:	70	Lamp code:	1769
Luminous efficiency (lm/W, real value):	58.6	Socket:	G12
lm 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.) [%]:	69	Number of optical assemblies:	1
Beam angle $^\circ$:	26°	Intervallo temperatura ambiente:	from -20°C to +35°C.

Polar

Imax=16452 cd		Lux			
		h	d	Em	E _{max}
	90°				
	180°				
	90°				
	0°				
		10	4.5	128	165
		20	9	32	41
		30	13.5	14	18
		40	18	8	10

Isolux



UGR diagram

Corrected UGR values (at 6000 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	17.3	19.0	17.6	19.3	19.6	17.3	19.0	17.6	19.3	19.6
	3H	17.2	18.5	17.5	18.8	19.1	17.2	18.5	17.5	18.8	19.1
	4H	17.1	18.3	17.5	18.6	18.9	17.1	18.3	17.5	18.6	18.9
	6H	17.1	18.0	17.4	18.4	18.7	17.0	18.0	17.4	18.4	18.7
	8H	17.0	18.0	17.4	18.4	18.7	17.0	18.0	17.4	18.3	18.7
	12H	17.0	18.0	17.4	18.3	18.7	16.9	17.9	17.4	18.3	18.7
4H	2H	17.1	18.3	17.5	18.6	18.9	17.1	18.3	17.5	18.6	18.9
	3H	17.0	18.0	17.4	18.4	18.7	17.0	18.0	17.4	18.4	18.8
	4H	16.9	17.9	17.3	18.3	18.7	16.9	17.9	17.3	18.3	18.7
	6H	16.6	18.1	17.1	18.6	19.0	16.6	18.1	17.1	18.6	19.0
	8H	16.5	18.2	17.0	18.6	19.1	16.5	18.1	17.0	18.6	19.1
	12H	16.5	18.1	17.0	18.6	19.1	16.4	18.1	16.9	18.6	19.1
8H	4H	16.5	18.1	17.0	18.6	19.1	16.5	18.2	17.0	18.6	19.1
	6H	16.5	18.0	17.0	18.5	19.0	16.5	18.0	17.0	18.5	19.0
	8H	16.5	17.8	17.0	18.3	18.8	16.5	17.8	17.0	18.3	18.8
	12H	16.6	17.5	17.1	18.0	18.6	16.6	17.5	17.1	18.0	18.6
12H	4H	16.4	18.1	16.9	18.6	19.1	16.5	18.1	17.0	18.6	19.1
	6H	16.4	17.8	17.0	18.3	18.8	16.5	17.8	17.0	18.3	18.8
	8H	16.6	17.5	17.1	18.0	18.6	16.6	17.5	17.1	18.0	18.6
Variations with the observer position at spacing:											
S =		1.0H	2.0 / -4.5				2.0 / -4.5				
		1.5H	2.9 / -8.6				2.9 / -8.6				
		2.0H	4.8 / -9.0				4.8 / -9.0				