

Last information update: March 2025

Product configuration: EF39

EF39: Spotlight with base - Warm White Led - integrated electronic control gear - Spot optic



Product code

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Technical description

Spotlight designed to use LED lamps and a Spot optic. The optical assembly and base is made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. 5 mm thick tempered sodium-calcium closing glass. Double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. Complete with a monochrome LED circuit and an Opti Beam Lens optic system. The product includes a PG13.5 cable gland. Electronic DALI ballast integrated in product. Option of using optic accessories assembled via an accessory holder frame. All external screws used are made of A2 stainless steel.

Installation

Floor, wall, ceiling or via pole.

Colour

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

Weight (Kg)

5.5

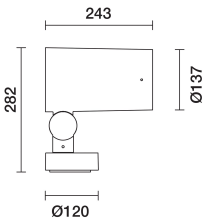
Mounting

wall arm|ground surface|wall surface|ground anchored|ceiling surface

Wiring

Double PG.

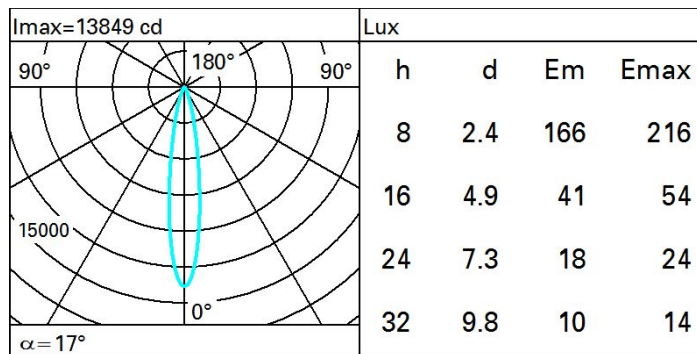
Complies with EN60598-1 and pertinent regulations



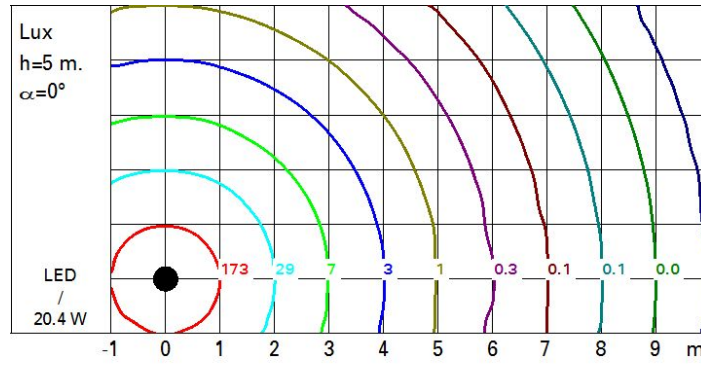
Technical data

Im system:	2094	MacAdam Step:	2
W system:	20.4	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
Im source:	2650	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W source:	17	Lamp code:	LED
Luminous efficiency (lm/W, real value):	102.6	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	79	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	18°	Lifetime of product at ambient operating temperature:	≥ 50.000h Ta=40°C
CRI (minimum):	80	Control:	DALI-2
Colour temperature [K]:	3000		

Polar



Isolux



UGR diagram

Corrected UGR values (at 2650 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/cav											
walls											
work pl.											
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	11.5	13.4	11.8	13.7	14.0	11.5	13.4	11.8	13.7	14.0
	3H	11.4	12.8	11.7	13.1	13.4	11.4	12.8	11.7	13.1	13.4
	4H	11.3	12.5	11.7	12.8	13.1	11.3	12.5	11.7	12.8	13.1
	6H	11.3	12.2	11.6	12.5	12.9	11.3	12.2	11.7	12.5	12.9
	8H	11.2	12.1	11.6	12.5	12.8	11.2	12.2	11.6	12.5	12.9
12H	11.1	12.1	11.5	12.5	12.8	11.2	12.1	11.6	12.5	12.9	
4H	2H	11.3	12.5	11.7	12.8	13.1	11.3	12.5	11.7	12.8	13.1
	3H	11.2	12.2	11.6	12.5	12.9	11.2	12.2	11.6	12.5	12.9
	4H	11.1	12.1	11.5	12.5	12.9	11.1	12.1	11.5	12.5	12.9
	6H	10.7	12.3	11.2	12.8	13.3	10.8	12.4	11.2	12.8	13.3
	8H	10.6	12.4	11.1	12.8	13.3	10.6	12.4	11.1	12.8	13.3
12H	10.5	12.3	11.0	12.8	13.3	10.5	12.3	11.0	12.8	13.3	
8H	4H	10.6	12.4	11.1	12.8	13.3	10.6	12.4	11.1	12.8	13.3
	6H	10.5	12.1	11.0	12.6	13.1	10.5	12.1	11.0	12.6	13.1
	8H	10.5	11.9	11.0	12.4	12.9	10.5	11.9	11.0	12.4	12.9
	12H	10.6	11.6	11.2	12.1	12.6	10.6	11.6	11.2	12.1	12.6
12H	4H	10.5	12.3	11.0	12.8	13.3	10.5	12.3	11.0	12.8	13.3
	6H	10.5	11.9	11.0	12.4	12.9	10.5	11.9	11.0	12.4	12.9
	8H	10.6	11.6	11.2	12.1	12.6	10.6	11.6	11.2	12.1	12.6
Variations with the observer position at spacing:											
S =	1.0H	2.4 / -0.6					2.4 / -0.6				
	1.5H	4.6 / -9.5					4.6 / -9.5				
	2.0H	6.6 / -11.8					6.6 / -11.8				