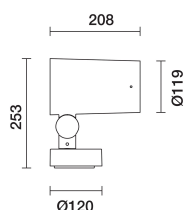


Product configuration: EH99

EH99: Spotlight with base - Warm White Led - integrated electronic control gear - Spot optic



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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.

Floor, wall, ceiling or ground-installed via pole or stake.

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

3.85

wall surface|ground spike

Double PG.

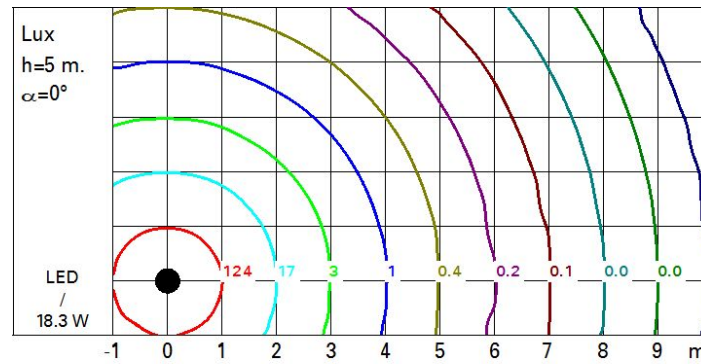
Complies with EN60598-1 and pertinent regulations



lm system:	1680	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W system:	18.3	Lamp code:	LED
lm source:	2100	Number of lamps for optical assembly:	1
W source:	16	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	91.8	Number of optical assemblies:	1
lm in emergency mode:	-	Intervallo temperatura ambiente:	from -20°C to 35°C.
Total light flux at or above an angle of 90° [Lm]:	0	Lifetime of product at ambient operating temperature:	≥ 50.000h Ta=25°C
Light Output Ratio (L.O.R.) [%]:	80	Power factor:	See installation instructions
Beam angle [°]:	13°	Inrush current:	5 A / 220 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 81 luminaires B16A: 130 luminaires C10A: 135 luminaires C16A: 221 luminaires
Colour temperature [K]:	2700	Minimum dimming %:	1
MacAdam Step:	2	Control:	DALI-2

$I_{\max} = 18969 \text{ cd}$	Lux			
	h	d	Em	E _{max}
	10	2.4	146	190
	20	4.7	36	47
	30	7.1	16	21
$\alpha = 13^\circ$	40	9.4	9	12

Isolux



UGR diagram

Corrected UGR values (at 2100 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		viewed crosswise					viewed endwise				
x	y										
2H	2H	6.8	8.8	7.2	9.1	9.5	6.8	8.8	7.2	9.1	9.5
	3H	6.7	8.1	7.1	8.4	8.7	6.7	8.1	7.1	8.4	8.7
	4H	6.7	7.7	7.0	8.0	8.4	6.7	7.8	7.1	8.1	8.4
	6H	6.6	7.4	7.0	7.7	8.1	6.7	7.4	7.0	7.7	8.1
	8H	6.6	7.4	7.0	7.7	8.1	6.6	7.4	7.0	7.8	8.1
	12H	6.5	7.4	6.9	7.8	8.1	6.5	7.4	6.9	7.8	8.2
4H	2H	6.7	7.8	7.1	8.1	8.4	6.7	7.7	7.0	8.0	8.4
	3H	6.5	7.4	6.9	7.8	8.2	6.5	7.4	6.9	7.8	8.2
	4H	6.3	7.5	6.8	7.9	8.3	6.3	7.5	6.8	7.9	8.3
	6H	6.0	7.7	6.5	8.2	8.6	6.0	7.7	6.5	8.2	8.6
	8H	5.9	7.8	6.4	8.2	8.7	5.9	7.8	6.4	8.2	8.7
	12H	5.8	7.7	6.3	8.2	8.7	5.8	7.7	6.3	8.2	8.7
8H	4H	5.9	7.8	6.4	8.2	8.7	5.9	7.8	6.4	8.2	8.7
	6H	5.8	7.5	6.3	7.9	8.5	5.8	7.5	6.3	7.9	8.5
	8H	5.8	7.2	6.4	7.7	8.2	5.8	7.2	6.4	7.7	8.2
	12H	6.0	6.8	6.5	7.3	7.8	6.0	6.8	6.5	7.3	7.8
12H	4H	5.8	7.7	6.3	8.2	8.7	5.8	7.7	6.3	8.2	8.7
	6H	5.8	7.2	6.4	7.7	8.2	5.8	7.2	6.4	7.7	8.2
	8H	6.0	6.8	6.5	7.3	7.8	6.0	6.8	6.5	7.3	7.8
Variations with the observer position at spacing:											
S =		1.0H	3.3 / -7.4				3.3 / -7.4				
		1.5H	5.9 / -14.1				5.9 / -14.1				
		2.0H	7.9 / -23.9				7.9 / -23.9				