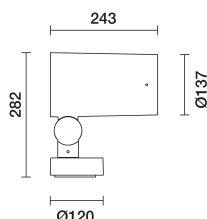


**Product configuration: EF38**

EF38: Spotlight with base - Neutral White Led - integrated electronic control gear - Super Spot optic



EF38: Spotlight with base - Neutral White Led - integrated electronic control gear - Super Spot optic

**Technical description:**

Spotlight designed to use LED lamps and a Super 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 via pole.

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

## 5.5

mounting  
wall arm|ground surface|wall surface|ceiling surface

Double PG.

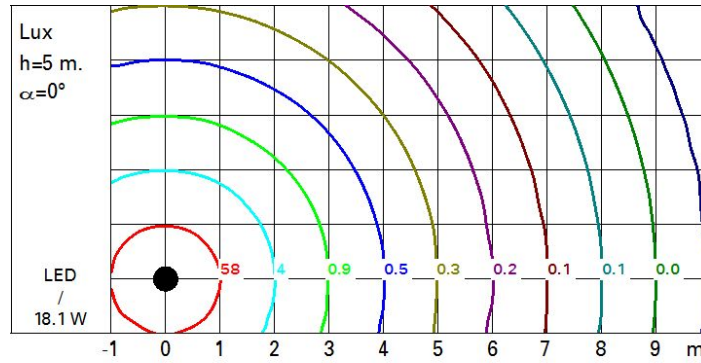
Complies with EN60598-1 and pertinent regulations



Im system:	1308	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	18.1	Lamp code:	LED
Im source:	2180	Number of lamps for optical assembly:	1
W source:	15	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	72.3	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallto temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	0	Lifetime of product at ambient operating temperature:	≥ 50.000h Ta=40°C
Light Output Ratio (L.O.R.) [%]:	60	Power factor:	See installation instructions
Beam angle [°]:	10°	Inrush current:	15 A / 360 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 14 luminaires B16A: 23 luminaires C10A: 23 luminaires C16A: 39 luminaires
Colour temperature [K]:	4000	Minimum dimming %:	10
MacAdam Step:	2	Overvoltage protection:	10kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	Control:	DALI-2

	Lux			
	h	d	Em	E <sub>max</sub>
	12	2	180	237
	24	4	45	59
	36	5.9	20	26
48	7.9	11	15	

### Isolux



### UGR diagram

Corrected UGR values (at 2180 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	4.7	6.7	5.1	7.0	7.4	4.7	6.7	5.1	7.0	7.4
	3H	5.1	6.2	5.4	6.5	6.8	5.2	6.3	5.5	6.6	6.9
	4H	5.1	5.8	5.4	6.1	6.4	5.2	6.0	5.6	6.3	6.6
	6H	5.0	5.5	5.4	5.8	6.1	5.2	5.7	5.6	6.0	6.3
	8H	4.9	5.6	5.3	5.9	6.2	5.1	5.8	5.5	6.1	6.4
	12H	4.8	5.7	5.2	6.0	6.4	5.0	5.8	5.4	6.2	6.6
4H	2H	5.2	6.0	5.6	6.3	6.6	5.1	5.8	5.4	6.1	6.4
	3H	5.4	6.2	5.8	6.6	6.9	5.3	6.1	5.7	6.5	6.8
	4H	5.1	6.4	5.6	6.8	7.2	5.1	6.4	5.6	6.8	7.2
	6H	4.8	6.7	5.3	7.1	7.6	4.8	6.7	5.3	7.1	7.6
	8H	4.7	6.7	5.2	7.1	7.6	4.7	6.7	5.2	7.1	7.6
	12H	4.6	6.5	5.1	7.0	7.5	4.7	6.5	5.2	7.0	7.5
8H	4H	4.7	6.7	5.2	7.1	7.6	4.7	6.7	5.2	7.1	7.6
	6H	4.7	6.2	5.2	6.7	7.2	4.7	6.2	5.2	6.7	7.2
	8H	4.8	5.9	5.3	6.4	6.9	4.8	5.9	5.3	6.4	6.9
	12H	5.0	5.5	5.5	6.0	6.5	5.0	5.5	5.5	6.0	6.5
12H	4H	4.7	6.5	5.2	7.0	7.5	4.6	6.5	5.1	7.0	7.5
	6H	4.8	5.9	5.3	6.4	6.9	4.8	5.9	5.3	6.4	6.9
	8H	5.0	5.5	5.5	6.0	6.5	5.0	5.5	5.5	6.0	6.5
Variations with the observer position at spacing:											
S =		1.0H	0.5 / -0.8		0.5 / -0.8						
		1.5H	0.7 / -1.4		0.7 / -1.4						
		2.0H	1.0 / -7.8		1.0 / -7.8						