iGuzzini

Last information update: April 2024

### **Product configuration: EH88**

EH88: Spotlight with base - Warm White Led - integrated electronic control gear - Super Spot optic



Ø120

Product code

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#### 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 On/Off 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 ground-installed via pole or stake.

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

Weight (Kg)

1.9



wall surface|ground spike

## Wiring

Double PG.

















Complies with EN60598-1 and pertinent regulations

Technical data

Im system: 713 W system: 10.9 950 Im source: W source: 9.1 Luminous efficiency (lm/W, 65.4 real value): Im in emergency mode: Total light flux at or above an angle of 90° [Lm]: Light Output Ratio (L.O.R.) 75 [%]: Beam angle [°]: 8° CRI (minimum): 80 Colour temperature [K] 3000 MacAdam Step:

Life Time LED 2: 78,000h - L80 - B10 (Ta 40°C) Lamp code: LED Number of lamps for optical 1 assembly: ZVEI Code: LFD Number of optical assemblies: from -20°C to 50°C. Intervallo temperatura ambiente: Lifetime of product at ≥ 50.000h Ta=40°C ambient operating temperature: Power factor: See installation instructions Inrush current:  $5 A / 50 \mu s$ Maximum number of luminaires of this type per B10A: 18 luminaires

miniature circuit breaker:

B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires

Overvoltage protection:

4kV Common mode & 2kV Differential mode

Control:

On/off

Polar

Life Time LED 1:

Imax=14172 cd	Lux					
90°   180°   90°	h	d	Em	Emax		
	8	1.1	172	221		
	16	2.2	43	55		
15000	24	3.4	19	25		
α=8°	32	4.5	11	14		

68,000h - L80 - B10 (Ta 25°C)

# Lux h=5 m. α=0° LED 39 7 2 0.5 0.1 0.1 0.0 0.0 0.0 0.0 10.9 W

## UGR diagram

Corre	ected UC	R value	s (at 950	Im bare	lamp lu	mino us f	lux)				
Rifled	ct.:										
ceil/c	av	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls work pl. Room dim		0.50	0.30 0.20		0.30		0.50 0.20	0.30	0.50 0.20 viewed	0.30 0.20	0.30 0.20
		0.20									
		STATE OF									
x	У	crosswise			endwise						
2H	2H	7.8	8.8	8.2	10.1	10.4	7.8	8.8	8.2	10.1	10.4
	ЗН	7.7	9.0	8.1	9.3	9.6	7.7	9.0	8.1	9.3	9.6
	4H	7.7	8.6	8.0	8.9	9.3	7.7	8.7	8.1	9.0	9.3
	бН	7.6	8.3	8.0	8.6	9.0	7.7	8.4	0.8	8.7	9.0
	HS	7.6	8.4	7.9	8.7	9.0	7.6	8.4	0.8	8.7	9.1
	12H	7.5	8.4	7.9	8.7	9.1	7.5	8.4	7.9	8.8	9.1
4H	2H	7.7	8.7	8.1	9.0	9.3	7.7	8.6	0.8	8.9	9.3
	ЗН	7.5	8.4	7.9	8.8	9.2	7.5	8.4	7.9	8.8	9.2
	4H	7.3	8.5	7.7	8.9	9.3	7.3	8.5	7.7	8.9	9.3
	6H	7.0	8.7	7.5	9.2	9.6	7.0	8.7	7.5	9.2	9.6
	HS	6.9	8.7	7.4	9.2	9.7	6.9	8.7	7.4	9.2	9.7
	12H	6.8	8.7	7.3	9.1	9.6	8.6	8.7	7.3	9.1	9.7
вн	4H	6.9	8.7	7.4	9.2	9.7	6.9	8.7	7.4	9.2	9.7
	6H	6.8	8.4	7.3	8.9	9.4	8.6	8.4	7.3	8.9	9.4
	HS	6.9	8.1	7.4	8.6	9.1	6.9	8.1	7.4	8.6	9.1
	12H	7.0	7.7	7.5	8.2	8.7	7.0	7.7	7.5	8.2	8.7
12H	4H	6.8	8.7	7.3	9.1	9.7	6.8	8.7	7.3	9.1	9.6
	бН	6.9	8.1	7.4	8.6	9.1	6.9	8.1	7.4	8.6	9.1
	H8	7.0	7.7	7.5	8.2	8.7	7.0	7.7	7.5	8.2	8.7
Varia	tions wi	th the ol	bserverp	noitieo	at spacir	ng:					
S =	1.0H		4	9 / -7	.6				1.9 / -7	.6	
	1.5H		7	6 / -11	.6			7	.6 / -11	.6	
	2.0H		9	6 / -16	8.			9	.6 / -16	8.8	