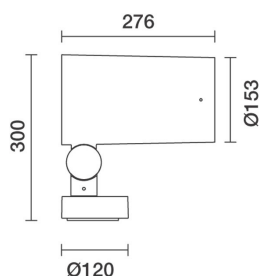


Last information update: May 2025

Product configuration: ES91

ES91: Spotlight with base - Warm White Led - integrated electronic control gear - H.O. - Ta 25

**Product code**

ES91: Spotlight with base - Warm White Led - integrated electronic control gear - H.O. - Ta 25

Technical description

Spotlight designed to use LED lamps and a Flood 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 Reflector 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.

Colour

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

Weight (Kg)

6.56

Mounting

wall arm|ground surface|wall surface|ceiling surface

Wiring

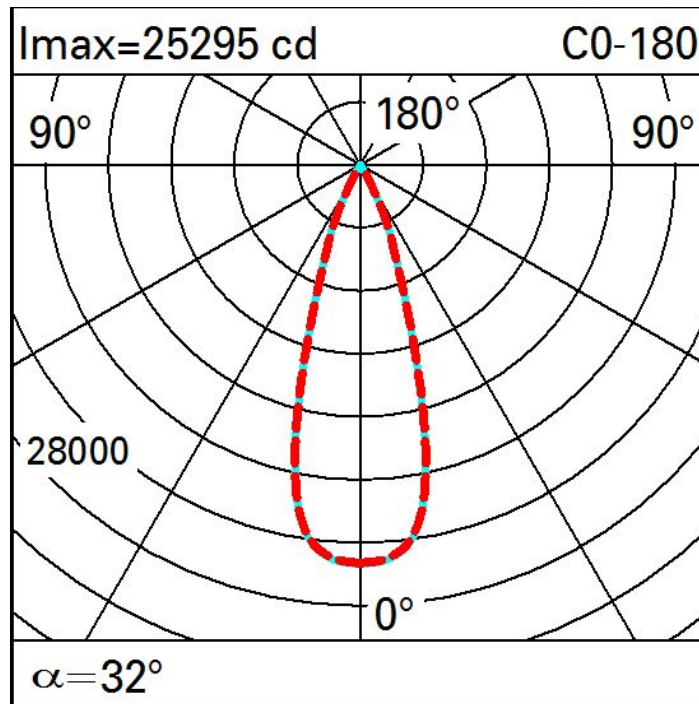
Double PG.

Complies with EN60598-1 and pertinent regulations

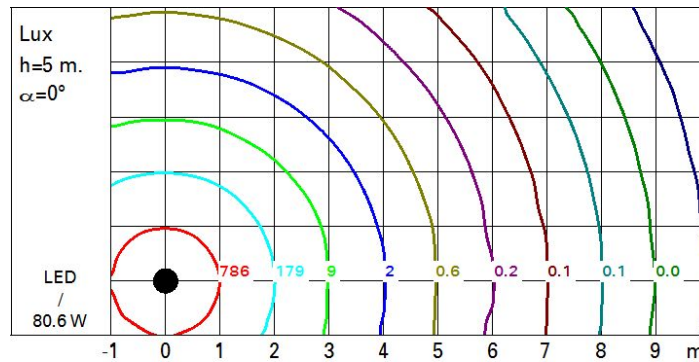
**Technical data**

Im system:	7979	Life Time LED 1:	60,000h - L80 - B10 (Ta 25°C)
W system:	80.6	Voltage [Vin]:	230
Im source:	9850	Lamp code:	LED
W source:	71	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	99	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 35°C.
Light Output Ratio (L.O.R.) [%]:	81	Lifetime of product at ambient operating temperature:	≥ 50.000h Ta=25°C
Beam angle [°]:	32°	Power factor:	See installation instructions
CRI (minimum):	80	Overvoltage protection:	10kV Common mode & 6kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2
MacAdam Step:	3		

Polar



Isolux



Illuminances

