

Last information update: March 2025

Product configuration: SR91

SR91: 47 surface Remote – 48 Vdc DMX512-RDM – L=340mm – Flood optic

**Product code**

SR91: 47 surface Remote – 48 Vdc DMX512-RDM – L=340mm – Flood optic

Technical description

Direct light luminaire, designed to use RGB LED lamps, DMX512-RDM 48Vdc dimmable with searching and addressing function. Ceiling, wall or surface-mounted. It consists of a body and installation brackets to be ordered separately. The body is made of extruded aluminium and includes die-cast aluminium end caps with 50/60 Shore A silicone seals. It is 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. The top of the optical assembly is closed by a 3 mm thick transparent glass screen, fixed with silicone. Complete with multi-LED plate in RGB colour and a 48V dc DMX512-RDM electronic driver (power supply to be ordered separately). Supplied with a double PG11 and outlet cables for pass-through wiring with IP68 male/female joiners. Fitted with a PMMA diffusing filter and optics with plastic (methacrylate) lens for Flood lighting. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

Installation

Accessories are available for installation, like adjustable AISI304 stainless steel wall-mounted arms.

Colour

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

Mounting

wall arm|wall surface|ceiling surface

Wiring

Complete with DMX-RDM 44÷52Vdc control card. The product is supplied with a nickel-plated brass PG11 double cable gland and 05RN-F 2x1.5mm²+3x0.35mm² rubber outlet cables for pass-through wiring with connectors (illegible part). Available for electrical connection and DMX-RDM control: IP68 5-pin female connector, IP68 5-pin male connector + closing cap (BZI6), and IP68 5-pin male + female connectors.

Notes

Product complete with LED lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (BZQ7).

Complete with electronic control card. power supply to be ordered separately.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	399.6	Life Time LED 1:	86,000h - L80 - B10 (Ta 25C)
W system:	15.9	Life Time LED 2:	81,000h - L80 - B10 (Ta 40C)
Im source:	740	Voltage [Vin]:	48
W source:	13	Lamp code:	LED
Luminous efficiency (Im/W, real value):	25.13	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]:	0.0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	54	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	36° / 42°	Control:	DMX-RDM