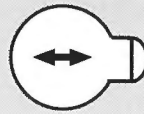


EUROSPOT DS 51

Zoom Profile Spotlight

18° - 38° 300/500/650 W



ADB

A Siemens Company

DE 5425

The DS51 belongs to the EUROSPOT family of theatre spotlights developed to provide a practical and economical solution to the lighting requirements of small stages in theatres, schools, clubs, community halls, cultural centres, hotels, etc...

Designed for a 300,500, or 650W tungsten halogen lamp, the DS51 is an extremely versatile spotlight which will prove equally effective in exhibition and architectural applications.

The DS51 is a variable angle profile spotlight, equipped with 2 individually adjustable zoom lenses. It provides a sharp or soft edge beam over a very useful range of 18° to 38°. Zoom focusing is smooth and stable in any position. Beam distribution is adjustable for peaky or flat field performance. The DS51 will yield over 1,500 Lux at 5 m and still close to 500 Lux at 9 m with a 650W lamp.

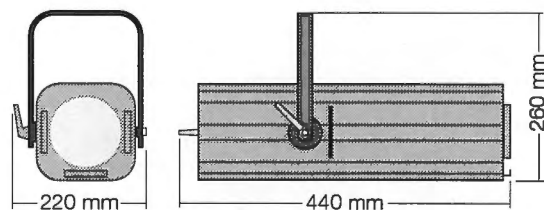
Beam shaping and imaging are achieved by 4 shutters working in 2 planes, an iris diaphragm or a size M gobo. Front runners allow one-hand insertion of filter frames.

Small size and very low weight make this spotlight very easy to install, handle, store and transport. The tiltlock mechanism is simple and efficient. A clutch type handle prevents any interference with the shutters. Access to the lamp and lenses is made easy by a hinge down bottom tray and a sliding lid on the lens housing.

A simple design with quality manufacturing using extruded aluminium sections and sheet steel provides excellent mechanical strength and long term reliability. The unit is professionally finished in a non-reflective black paint.

The EUROSPOT DS51 has been designed in accordance with the latest international safety standards.

The standard unit is fitted with a 1m silicone rubber power cable with open ends, 4 beam shaping shutters, a metal colour frame and an integral wiremesh front lens safety guard.



Net Weight 3.6 kg

Packing 230 x 185 x 555 mm

Gross Weight 4.6 kg

50 Units per pallet

EUROSPOT DS 51

Specifications

Housing

- The housing is a rigid assembly of aluminium extruded sections and sheet steel.
- The gate is fitted with 4 removable, stainless steel beam shaping shutters with anti-reflection coating, working in 2 planes. It can also accept a drop-in iris diaphragm or a size M gobo holder.
- The front end plate is fitted with runners for the insertion of a filter frame (125 x 125 mm).
- A sliding lid on the lens barrel gives full access to the zoom lenses.
- A hinge down tray held by a captive clip allows easy access to the lamp/reflector assembly.
- The back end plate is fitted with a strong grab handle.

Positioning Mechanism

- A strong steel yoke, with simple and effective tiltlock mechanism. Clamping is by a clutch type handle which does not interfere with the shutters.
- One Ø 11mm hole in the transverse arm of the yoke for fixing on a hook clamp.

Optical System

- Ellipsoidal reflector of pure, polished, anodised aluminium
- 18°-38° zoom optics with 2 polished, plano-convex lenses
- Focusing mechanism with smooth control by 2 screw knobs
- Control knob for Peak / Flat adjustment

Electromechanical Components

- 1m silicone power supply cable (2 x 1.5 + 1.5mm)
- GY9.5 lamp holder for 220/240V / 300,500 or 650W tungsten halogen lamps with 46.5mm light centre length (LCL).

Safety / Reliability

- The spotlight is built in accordance with EN 60598/IEC 598 international safety standards.
- An anchorage ring is provided for safety bond.
- A wiremesh front lens safety guard is integrated into the front end plate.
- A retaining clip in the front runners secures the accessories.
- The spotlight does not present any sharp edge.
- All handles and knobs are heat insulated.
- All metal parts are protected against corrosion.
- Overall finish in non-reflective, heat and wear resisting black paint.

Photometric Data

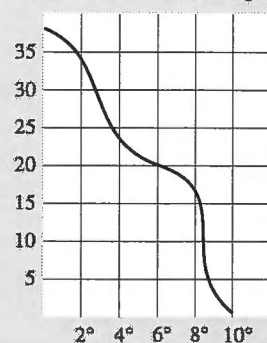
Typical values
Lamp : 650 W, 220 V, 3200 K, 15,000 lm, CP89
Conversion factor for a 500 W lamp = 0.73

Light Levels (Lux) and Field Ø (m)

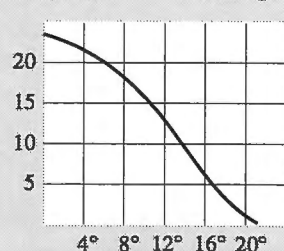
		Min. Angle		Max. Angle	
Peak Intensity (Cd)		38 000		23 200	
Cut off Angle		18°		38°	
Throw Distance (m)	Lux	Ø (m)	Lux	Ø (m)	
4	2 375	1.3	1 450	2.8	
5	1 520	1.6	930	3.4	
6	1 055	1.9	645	4.1	
7	775	2.2	475	4.8	
8	595	2.5	365	5.5	
9	470	2.9	285	6.2	
10	380	3.2	230	6.9	

Light Distribution (Half Beam)

Cd x 1000 Min. Angle



Cd x 1000 Max. Angle



Accessories

Metal filter frame
Iris diaphragm
Gobo holder
Hook clamp
Safety cable
Safety chain

PFM/EURO
OR/EURO
SP/GO/EURO
A5 or A15
CAS 120
CHAS 120

ADB - Your Partner for Light

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