



Powerful

High brightness

**High-speed
applications**

LED projector

3.5 MLUX

IP40

CE

effiSPOT

Very powerful and homogeneous LED projector

INTRODUCTION

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PART NUMBERING

STANDARD VERSION

EFFI-SPOT - ZZZ

Wavelength (nm)

- 365
(UV)
- 395
(UV)
- 405
(UV)
- 465
(Blue)
- 525
(Green)
- 625
(Red)
- 850
(Infrared)
- 000
(White)

AVAILABLE OPTIONS

ELS option

EFFI-SPOT - ZZZ - VVV - UUU

- VVV corresponds to the intensity current sent per LED (700 or 1000 mA). Default configuration is ELS 1000 apart for RED which is ELS 700 only.
- UUU corresponds to the voltage range used for intensity control (24V or 5V). Default configuration is 24V.

TECHNICAL SPECIFICATIONS

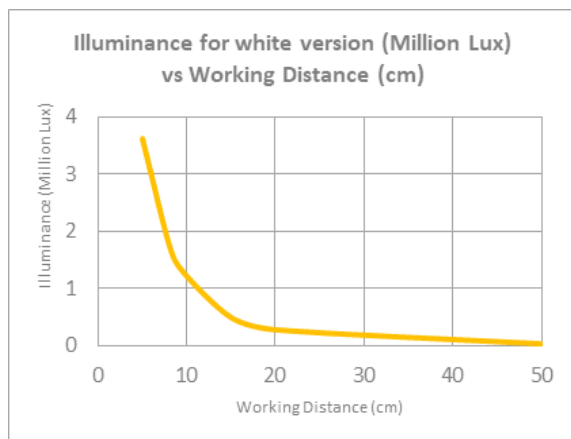
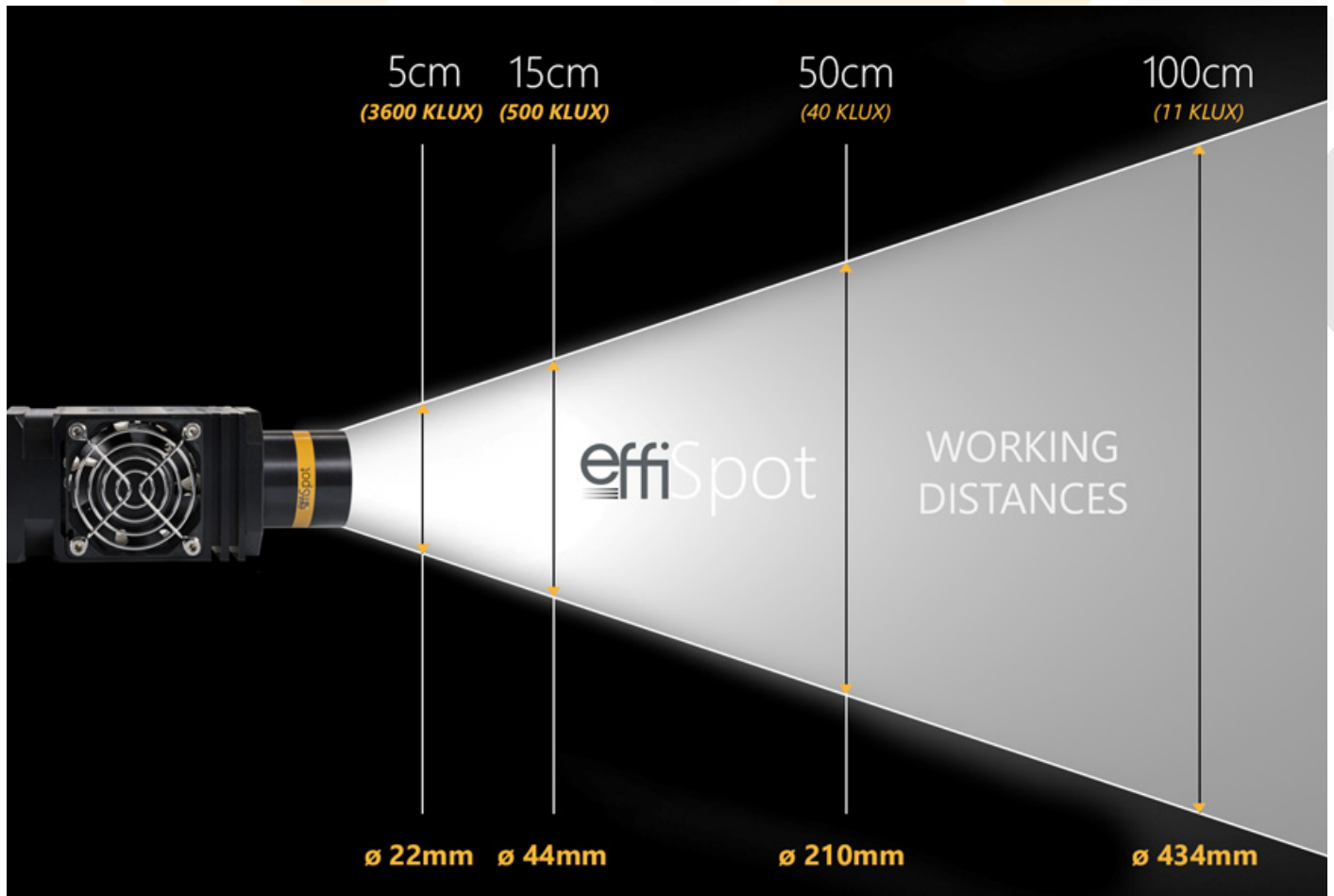


Illumination Mode	Continuous with AIC (Analog Intensity Control)
Wavelengths	365nm, 395nm, 405nm, 465nm, 525nm, 625nm, 850nm and white (000)
Power Supply	24V DC
Connector(s)	M12 - 5 pins
Power Consumption	45W for ELS700 and 70W for ELS1000
Weight	860g
Dimensions	Width x height x length: 70.6mm x 65 mm x172 mm
Material	Device body: Aluminum alloy
IP rating	IP40
Operation environment	Temperature: 0°C to 40°C - Humidity: 20 to 85%RH (with no condensation) - Altitude: Up to 2000m
Storage environment	Temperature: -20° to 60°C - Humidity: 20 to 85%RH (with no condensation)
Informations	Overvoltage category I - Protective class III - Pollution degree 3
Regulations & Marking	CE - UKCA
Environmental Standards	RoHS Directives (2011/65/EU, 2015/863/EU and China RoHS) - REACH Regulation - WEEE Regulation
Country of Origin	France

OPTICAL SPECIFICATIONS

ILLUMINATION FOR WHITE VERSION

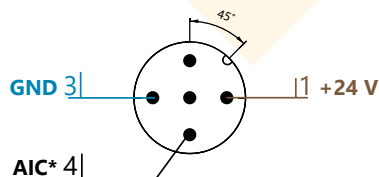
Best working distances for EFFI-SPOT is between 5cm and 50cm. For longer working distance we recommend to use EFFI-SHARP.



ELECTRONICAL SPECIFICATIONS

WIRING LAYOUT

M12 5pins - male connector

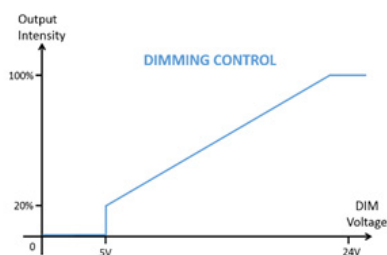


*: 0 – 24V (or 0-5V) look at the graph below

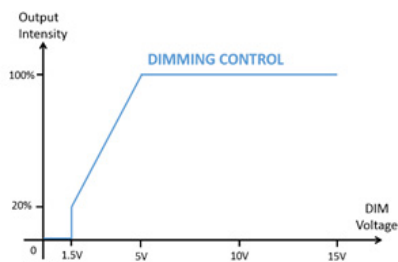
- Consumption: 0,6mA@24V
- Rise time: 8 μ s / Fall time: 12 μ s
- Response time: 16 μ s

ANALOG INTENSITY CONTROL (AIC)

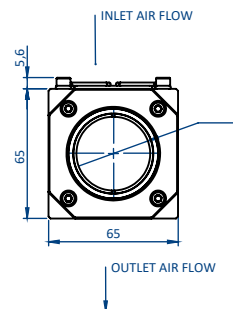
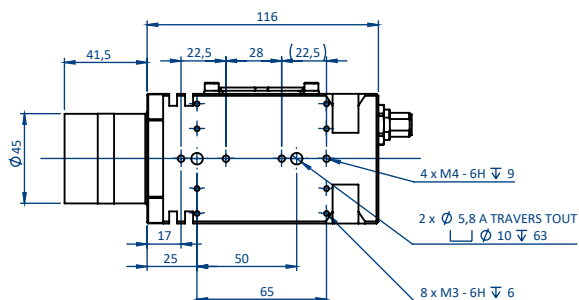
DIM 0-24V (default)



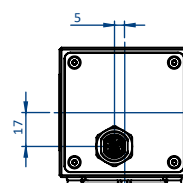
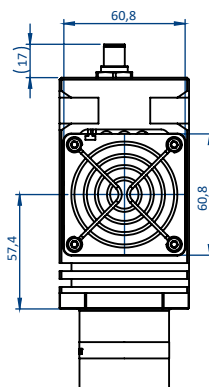
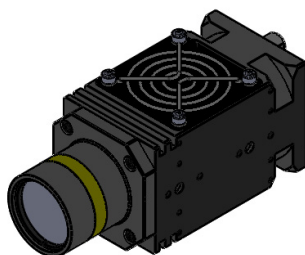
DIM 0-5V (optional)



MECHANICAL SPECIFICATIONS



IMPORTANT NOTE: Do not cover the ventilation holes



ACCESSORIES

Please refer to the specific documentation for additional information on the accessories of the EFFI-SHARP.



Potentiometer

EFFI-DIMMER
EFFI-DIMMER2



Extension cables

M12 - Female
2meters: EFFC-CAB-M12-F-5-D-L2
5meters: EFFC-CAB-M12-F-5-D-L5
10meters: EFFC-CAB-M12-F-5-D-L10
M12 - Female Male
2meters: EFFC-CAB-M12-FM-5-DD-L2
5meters: EFFC-CAB-M12-FM-5-DD-L5
10meters: EFFC-CAB-M12-FM-5-DD-L10



Fasteners

Elcom ball: EFFM-1-0009
Adapter tripod: EFFM-1-0027



Power supply

EFFI-PWR

CONTACT INFORMATION

Please refer to the specific documentation (datasheet, user manual and drawing) for complementary information. Contents of this document are based on information available as of July 2025 and may be changed without prior notice.



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