

SCULPDOT



Designer : Voxdale



Versatile spotlight for accent and architectural lighting

Designed to enhance architectural detail, sculptures and other features, the SCULPDOT is a useful tool for a careful lighting design, especially in combination with SCULPFLOOD luminaires.

Compact and elegant, the SCULPDOT is designed with no visible screws on the front of the frame to maintain the aesthetics.

SCULPDOT offers different colour and lighting options to help designers deliver their desired results. Eye-catching dynamic lighting scenarios can be controlled via the DMX-RDM protocol.

IP 66	IK 06	IK 08
		CE
UK CA		



Concept

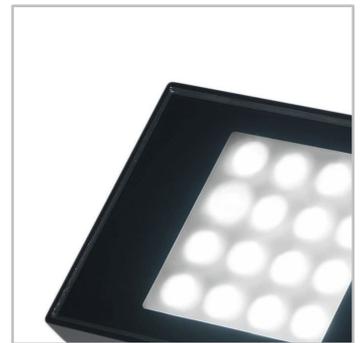
SCULPDOT is composed of a die-cast aluminium body and a protector in tempered glass or polycarbonate.

Its optical technology and accessories ensure perfect light distribution for any space or architectural structure. Whether highlighting contemporary buildings or heritage monuments, SCULPDOT adapts effortlessly to its surroundings while delivering optimal performance. An optional diffuser can be added to soften the light beam and reduce glare, ideal for creating a warm and inviting atmosphere. In addition, the associated bracket offers an angle indication system, allowing for precise on-site adjustments. All these features ease the fine-tuning of the installation for an optimal final result.

Thanks to external connectors for mains power and control, there is no need to open SCULPDOT during installation. This feature not only reduces installation time, but also eliminates the risk of wiring errors.



SCULPDOT is available with monochromatic, RGBW and tunable white LEDs.



An optional diffuser is available to soften the light and create a glare-free beam, making it ideal for creating a pleasant ambience.

TYPES OF APPLICATION

- ACCENT & ARCHITECTURAL
- BRIDGES

KEY ADVANTAGES

- Connections can be made without the need for stripping or special tools
- Inclination angle indicated on bracket
- Adjustable inclination for optimised photometry and uniformity
- Static and dynamic RGB versions



For dynamic lighting scenarios, SCULPDOT can be controlled with DMX or DALI protocols.



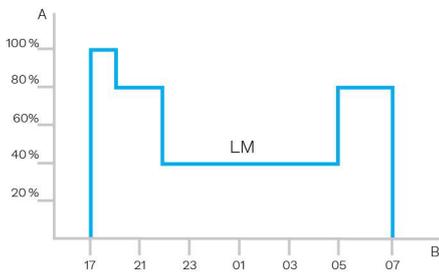
The long lifespan of the LEDs and the robust housing of the SCULPDOT ensure that the photometric performance is maintained over time.



Custom dimming profile

Intelligent luminaire drivers can be programmed with complex dimming profiles. Up to five combinations of time intervals and light levels are possible. This feature does not require any extra wiring.

The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.

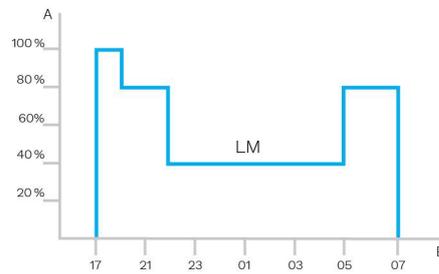


A. Dimming level | B. Time



Dimming through DMX-RDM

DMX-RDM is a protocol that allows bi-directional communication between a lighting fixture and a controller over a standard DMX line. This protocol allows configuration, status monitoring, and control of the lighting fixture. The standard has been developed by the Entertainment Services and Technology Association (ESTA) and is the current standard on the market.



A. Performance | B. Time

GENERAL INFORMATION

CE mark	Yes
ENEC certified	Yes
ROHS compliant	Yes
French law of December 27th 2018 - Compliant with application type(s)	a, b, c, d, e, f, g
UKCA marking	Yes
Testing standard	EN 60598-1 EN 60598-2-1 EN 62262 IEC 62722-2-1 IEC 62493 IEC 62471

HOUSING AND FINISH

Housing	Aluminium
Optic	Polycarbonate
Protector	Tempered glass Polycarbonate
Housing finish	Polyester powder coating
Standard colour(s)	AKZO grey 900 sanded
Tightness level	IP 66
Impact resistance	IK 06, IK 08
Vibration test	Compliant with modified IEC 68-2-6 (0.5G)

· Any other RAL or AKZO colour upon request
· IK may be different according to the size/configurations. Please consult us.

OPERATING CONDITIONS

Operating temperature range (Ta)	-30°C up to +55°C / -22°F up to 131°F with wind effect
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· Depending on the luminaire configuration. For more details, please contact us.

ELECTRICAL INFORMATION

Electrical class	Class I EU, Class II EU
Nominal voltage	220-240V – 50-60Hz
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547
Control protocol(s)	DALI, DMX-RDM
Control options	Custom dimming profile
Associated control system(s)	Nicolaudie Pharos

OPTICAL INFORMATION

LED colour temperature	2700K (Warm White WW 827) 3000K (Warm White WW 830) 4000K (Neutral White NW 840) RGB CW
Colour rendering index (CRI)	>80 (Warm White WW 827) >80 (Warm White WW 830) >80 (Neutral White NW 840) RGB CW

LIFETIME OF THE LEDS @ TQ 25°C

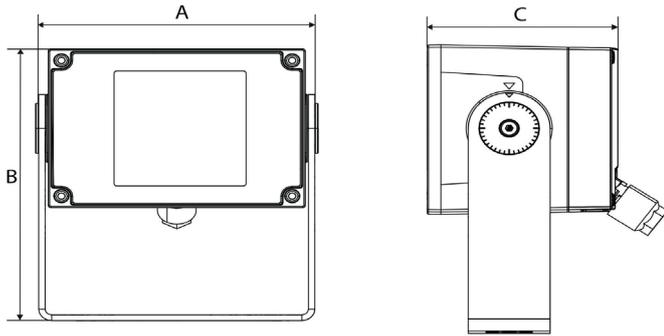
All configurations	100,000h - L95
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· Lifetime may be different according to the size/configurations. Please consult us.

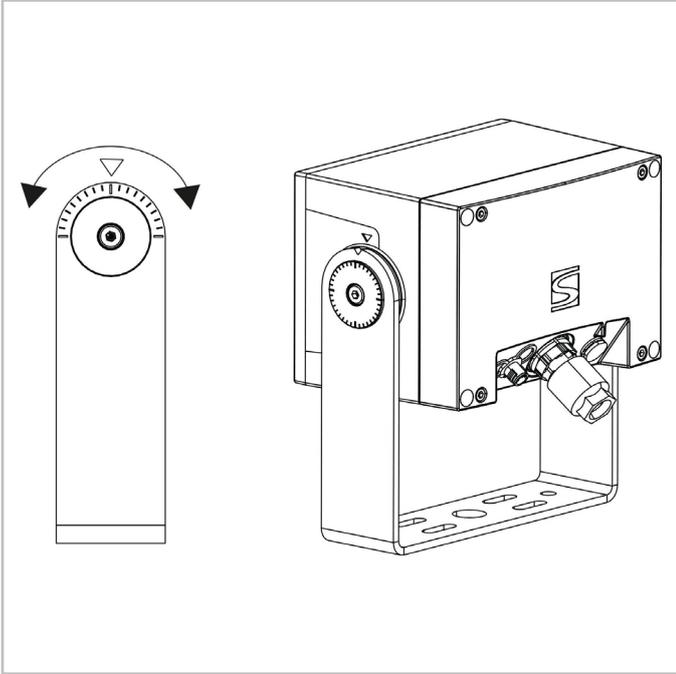
DIMENSIONS AND MOUNTING

AxBxC (mm inch)	213x240x140 8.4x9.4x5.5
Weight (kg lbs)	7.0 15.4
Aerodynamic resistance (CxS)	0.05
Mounting possibilities	Bracket enabling adjustable inclination

· For more information about mounting possibilities, please consult the installation sheet.



SCULPDOT | U-shaped stirrup adjustable bracket



SCULPDOT



	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	RGB CW		Warm White WW 827		Warm White WW 830		Neutral White NW 840		Min	Max	Up to
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max			
20	500	2700	1300	5800	1400	6200	1500	6800	2	64	166

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

