

SCULPFLOOD



Designer : Voxdale



Versatile floodlights for large-scale accent and architectural lighting

The SCULPFLOOD LED floodlight range includes two power versions to provide the best solution to transform medium and large architectural structures including skyscrapers, monuments, façades, roundabouts, bridges and stadiums into landmarks.

Compact and stylish, the SCULPFLOOD range offers refined floodlights with a high-quality build, feel and finish. The two versions provide a high degree of flexibility with an on-site adjustable photometry and precise fine-tuning through brackets. These features help lighting designers deliver their desired result.

SCULPFLOOD is dedicated to creating striking lighting effects and enhance the value of architectural buildings at night. Through control systems, dynamic lighting scenarios can be achieved for a dramatic result.



IP 66

IK 08

IK 06



Concept

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

This range of architectural floodlights is available with symmetrical or elliptical light distributions. SCULPFLOOD is the beneficial alternative to traditional HID floodlights for powerful and soft-edge beams. The range ensures a heavily reduced energy consumption and longer lifespan.

SCULPFLOOD 60 and SCULPFLOOD 150 can be fitted with monochromatic, tunable white and RGB CW LEDs to provide a wide range of colour temperatures and colour mix.

Optional refractors enable precise photometric adjustments. Eye-catching, dynamic lighting scenarios can be managed via the DMX-RDM protocol.



Monochromatic, RGBW and tunable white LEDs are available.



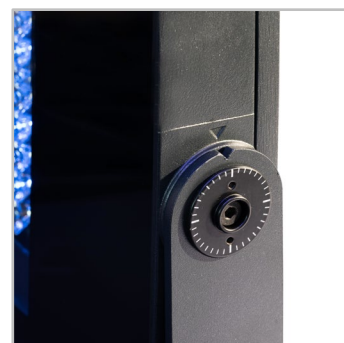
Dynamic lighting scenarios can be controlled via the DMX-RDM protocol.

TYPES OF APPLICATION

- ACCENT & ARCHITECTURAL
- BRIDGES

KEY ADVANTAGES

- Discreet 4 colour LED solution or all-white
- Inclination angle indicated on bracket
- Wide range of operating temperatures
- Creation of ambiance
- Dynamic light shows via DMX-RDM



SCULPFLOOD is installed using a graduated fixation bracket.



Its optical technology and accessories ensure perfect light distribution for any space or architectural structure.



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.

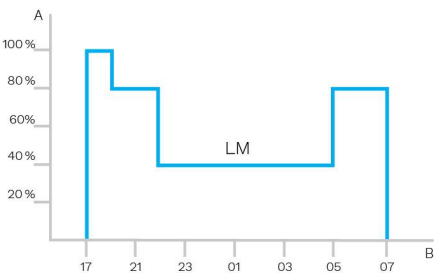


A. Dimming level | B. Time



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

· 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

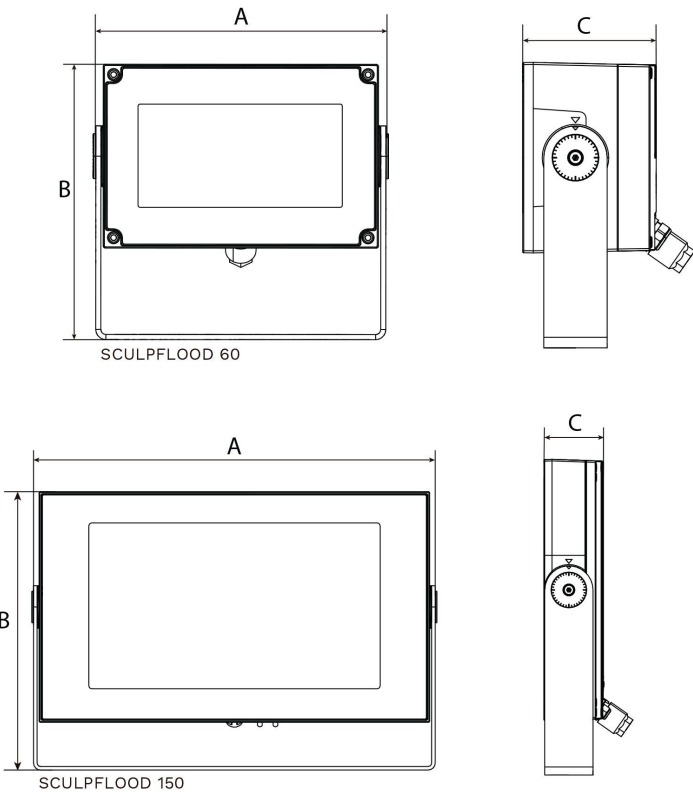
LIFETIME OF THE LEDS @ TQ 25°C	
All configurations	100,000h - L95

· Lifetime may be different according to the size/configurations. Please consult us.

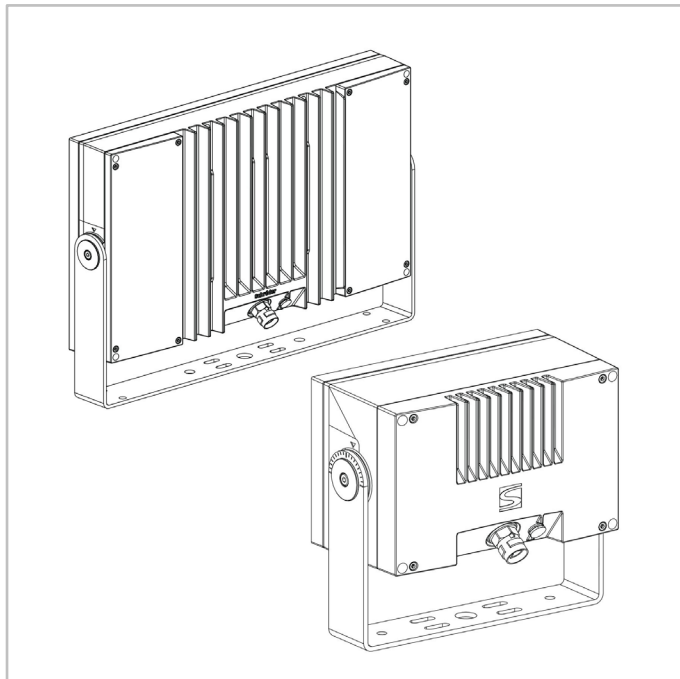
DIMENSIONS AND MOUNTING

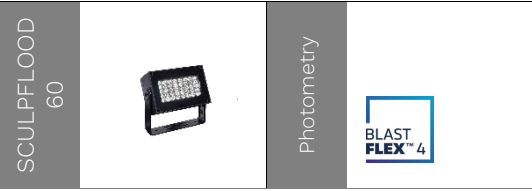
AxBxC (mm inch)	SCULPFLOOD 60 : 285x270x127 11.2x10.6x5.0 SCULPFLOOD 150 : 567x393x74 22.3x15.5x2.9
Weight (kg lbs)	SCULPFLOOD 60 : 8.5 18.7 SCULPFLOOD 150 : 18.0 39.6
Mounting possibilities	Bracket enabling adjustable inclination

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



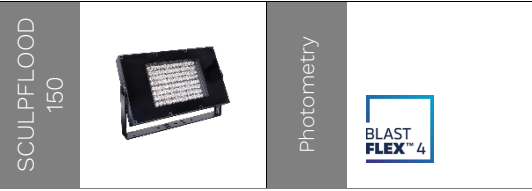
SCULPFLOOD | U-shaped stirrup adjustable bracket





	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				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
40	1400	5400	2800	15300	3000	16400	3300	17900	5	128	165

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



	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				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
80	3400	9900	5900	23100	6300	24800	6900	27000	10	255	168
120	-	-	8700	28700	9400	30700	10200	33500	112	297	134

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

