

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. The floodlight combines multi-die technology and special lenses for a perfect colour mix. These features help lighting designers deliver their desired result. Eye-catching dynamic lighting scenarios can be controlled via the DMX-RDM protocol.



Concept

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

Thanks to an external refractor, the beam can be easily adapted on-site. The refractor can mimic the soft-edged light distribution of a HID solution. In addition, the associated bracket offers a degree angle indication system allowing for precise adjustment. All these features ease the fine-tuning of the installation for an optimal final result.

For more installation flexibility and to satisfy specific constraints (high ambient temperature for example), the driver and the power supply can be installed remotely.



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



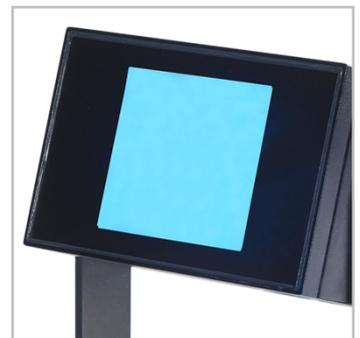
Thanks to an external refractor, the beam can be easily adapted on-site.

Types of application

- ACCENT & ARCHITECTURAL
- BRIDGES

Key advantages

- Precise on-site photometric distribution via external refractor
- Wide range of operating temperatures
- Very good colour mixing at close distance with special lenses on multi-die LED technology
- Connections can be made without the need for stripping or special tools
- Inclination angle indicated on bracket



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



SCULPdot is proposed with an internal driver.

GENERAL INFORMATION

CE Mark	Yes
ROHS compliant	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

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

· Any other RAL or AKZO colour upon request

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

ELECTRICAL INFORMATION

Electrical class	Class I EU, Class II EU
Nominal voltage	220-240V – 50-60Hz
Power factor (at full load)	0.9
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-4-5
Control protocol(s)	DALI, DMX-RDM
Control options	Remote management
Associated control system(s)	Nicolaudie Pharos

OPTICAL INFORMATION

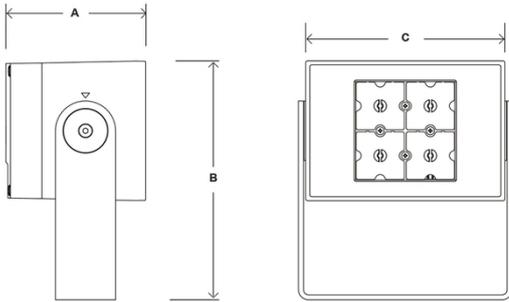
LED colour temperature	0K (RGB+Cool White) 0K (Blue) 0K (Green) 0K (Red) 3000K (Warm White) 4000K (Neutral White) 5700K (Cool White)
Colour rendering index (CRI)	>0 (RGB+Cool White) >0 (Blue) >0 (Green) >0 (Red) >80 (Warm White) >80 (Neutral White) >0 (Cool White) >70 (Cool White)

LIFETIME OF THE LEDS @ TQ 25°C

All configurations	100,000h - L90
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DIMENSIONS AND MOUNTING

AxBxC (mm inch)	140x240x199 5.5x9.4x7.8
Weight (kg lbs)	7 15.4
Aerodynamic resistance (CxS)	0.05
Mounting possibilities	Bracket enabling adjustable inclination

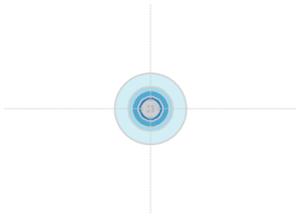
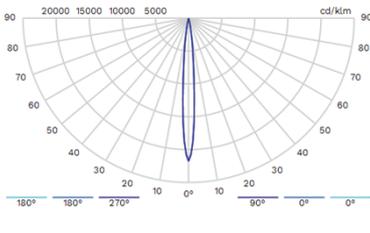




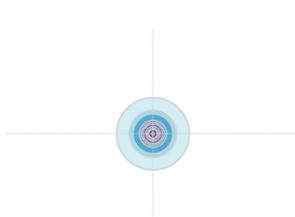
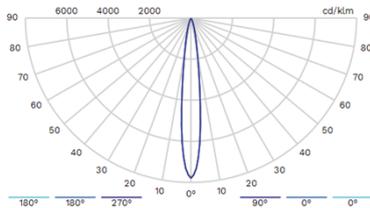
Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) RGB+Cool White		Luminaire output flux (lm) Cool White 757		Luminaire output flux (lm) Neutral White 840		Luminaire output flux (lm) Warm White 830		Power consumption (W) *	Luminaire efficacy (lm/W)
			Min	Max	Min	Max	Min	Max	Min	Max		
SCULPdot	1	500	500	600	-	-	-	-	-	-	24	25
	16	350	800	1100	-	-	-	-	-	-	21	52
	16	600	-	-	800	2600	800	2700	600	2100	35	77

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

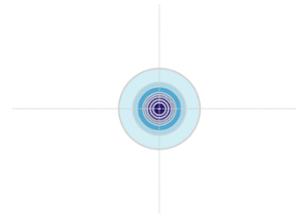
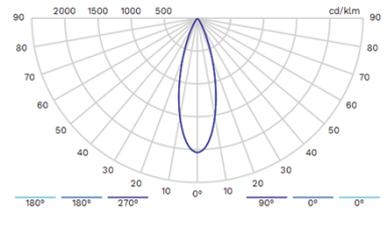
5124 - Narrow Beam, No diffuser



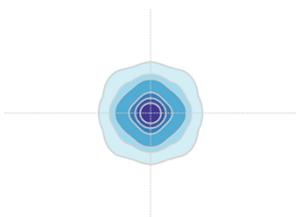
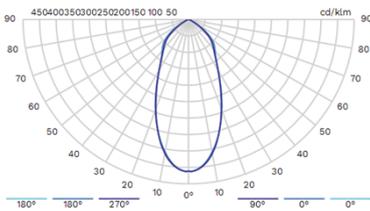
6267 RGB+CW (all ON 100%) Narrow Beam, No diffuser



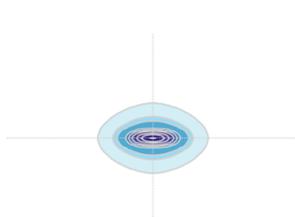
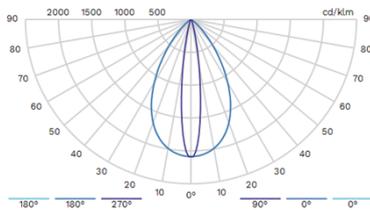
6275 - Circular Beam



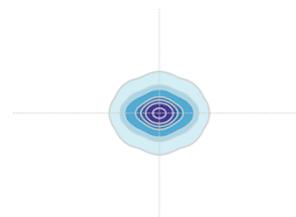
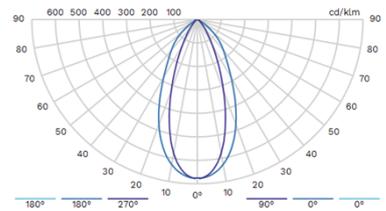
6276 - Circular Beam



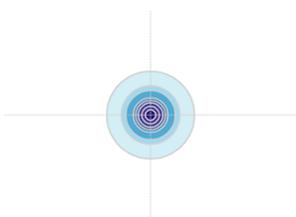
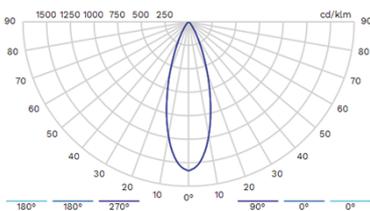
6277 RGB+CW (all ON 100%) Elliptical, Horizontal Beam



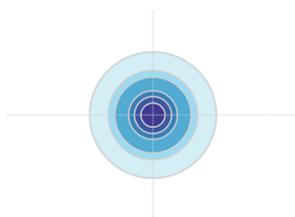
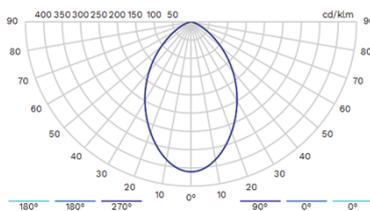
6278 - Elliptical, Horizontal Beam



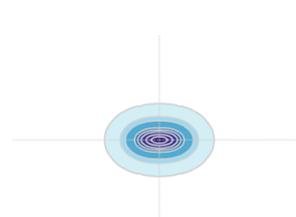
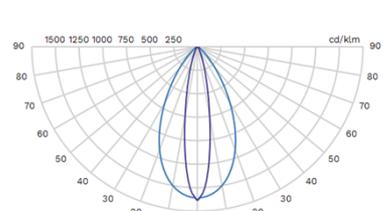
6279 RGB+CW (all ON 100%) Circular Beam



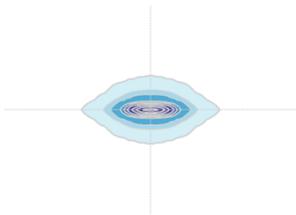
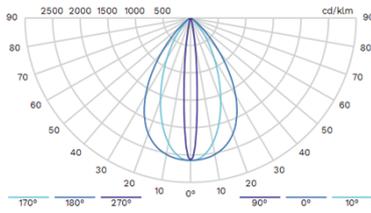
6280 RGB+CW (all ON 100%) Circular Beam



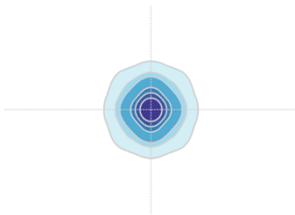
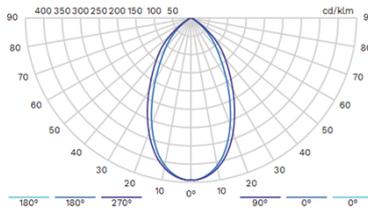
6281 RGB+CW (all ON 100%) Elliptical, Horizontal Beam



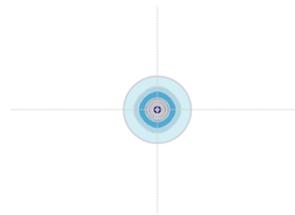
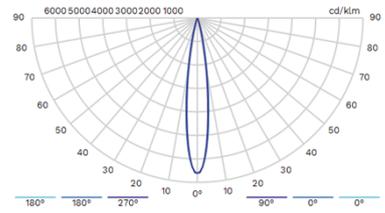
6297 - Elliptical,Horizontal Beam



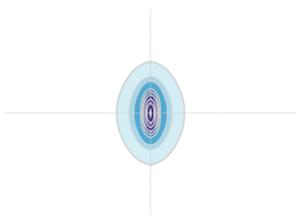
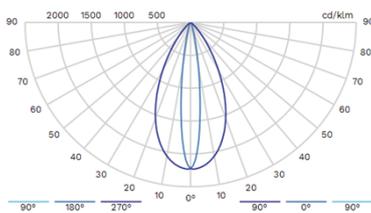
6298 - Circular Beam



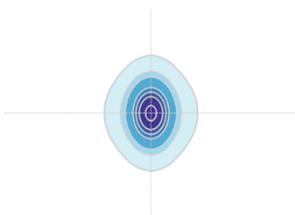
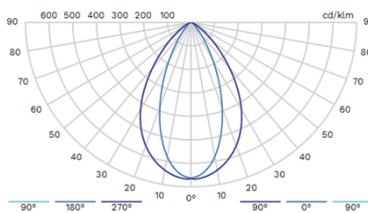
6316 - Circular Beam



6318 - Elliptical,Vertical Beam



6322 - Elliptical,Vertical Beam



6323 - Elliptical,Vertical Beam

