

SCULPline



Designer : Voxdale



Flexible wall washer for advanced architectural illumination

SCULPline is a modern floodlight offering a wall washer effect that can be used for façade or monument illumination.

It enables lighting designers to sculpt the light to create a unique identity for monuments and buildings.

SCULPline creates a warm ambiance while providing huge energy savings thanks to its performing LensoFlex®2 photometric engine. It offers a wide palette of colours and lighting effects.

SCULPline 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 dramatic results.



IP 66

IK 08

IK 07



Concept

SCULPline is composed of an extruded aluminium body, polycarbonate end caps, glass or polycarbonate protector with a customizable (paintable) cover plate.

It is available with symmetrical and asymmetrical light distributions, monochromatic, RGBW or tunable white LEDs and can be dynamically controlled using the DMX-RDM or Dali control to achieve the desired effect.

SCULPline can be installed in a continuous line by placing several modules one after the other to achieve excellent uniformity. Different light diffusers are available providing maximum flexibility. The power supply can be located in a central cabinet to minimise the impact on the façade.

Various types of brackets are available for a flexible mounting: standard compact brackets, wall-mounted extension arms, end clamps and side clamps.

SCULPline is available in two lengths (0.5m or 1m) to offer flexible solutions that cope with project constraints.



Monochromatic, RGBW and tunable white LEDs are available for SCULPline.



SCULPline offers symmetrical and asymmetrical photometric light distributions.

TYPES OF APPLICATION

- ACCENT & ARCHITECTURAL
- BRIDGES

KEY ADVANTAGES

- Elegant and compact design for minimum impact on architecture
- Front cover can be customised to perfectly integrate the environment
- Broad palette of colours and lighting effects/distributions
- Numerous (symmetrical and asymmetrical) light distributions
- Variable number of LEDs from 10 up to 48 LEDs/m
- Large range of mounting options
- Low energy consumption



The connections can be made without the need for stripping or special tools.



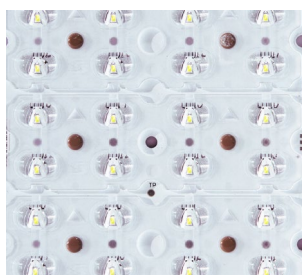
The inclination angle of the SCULPline is indicated on bracket.



LensoFlex®2

LensoFlex®2 is based upon the addition principle of photometric distribution. Each LED is associated with a specific PMMA lens that generates the complete photometric distribution of the luminaire. The number of LEDs in combination with the driving current determines the intensity level of the light distribution.

The proven LensoFlex®2 concept includes a glass protector to seal the LEDs and lenses into the luminaire body.



GENERAL INFORMATION

CE Mark	Yes
ROHS compliant	Yes
French law of December 27th 2018 - Compliant with application type(s)	a, b, c, d, e, f, g
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH

Housing	Aluminium Composite materials
Optic	Polycarbonate
Protector	Tempered glass Polycarbonate
Tightness level	IP 66
Impact resistance	IK 07, IK 08

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

OPERATING CONDITIONS

Operating temperature range (Ta)	-20 °C up to +50 °C / -4 °F up to 122 °F
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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 61547
Control protocol(s)	DALI, DMX-RDM
Control options	Remote management
Associated control system(s)	Nicolaudio Pharos

OPTICAL INFORMATION

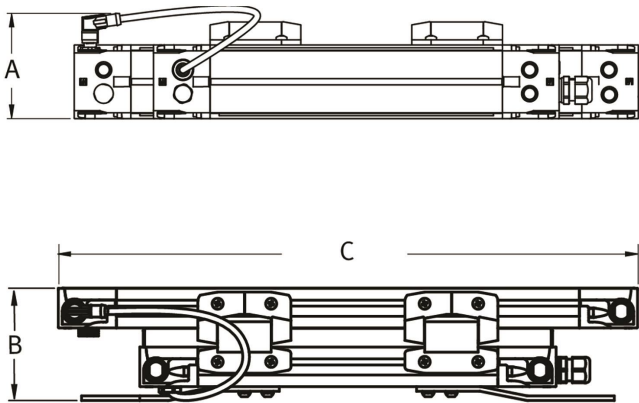
LED colour temperature	RGB CW 3000K (Warm White 830) 4000K (Neutral White 740) 4000K (Neutral White 840)
Colour rendering index (CRI)	>80 (Warm White 830) >70 (Neutral White 740) >80 (Neutral White 840)

LIFETIME OF THE LEDS @ TQ 25°C



All configurations	100,000h - L90
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DIMENSIONS AND MOUNTING

AxBxC (mm inch)	SCULPline 1 - 93x97x500 3.7x3.8x19.7
	SCULPline 2 - 93x97x1000 3.7x3.8x39.4
Weight (kg lbs)	SCULPline 1 - 4.8 10.6
	SCULPline 2 - 6.4 14.1
Mounting possibilities	Bracket enabling adjustable inclination



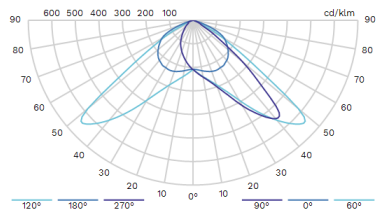


			Luminaire output flux (lm) Warm White 830		Luminaire output flux (lm) Neutral White 840		Luminaire output flux (lm) RGB CW		Luminaire output flux (lm) Neutral White 740		Power consumption (W)		Luminaire efficacy (lm/W)	
Luminaire	Number of LEDs	Current (mA)	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to	Photometry
SCULPline 1	5	350	200	400	300	500	-	-	-	-	6	6	83	
	20	350	900	1800	1200	2300	-	-	-	-	25	25	92	
	20	350	-	-	-	-	1100	1100	-	-	25	25	44	
	24	350	2600	2900	-	-	-	-	3000	3300	28	28	118	
SCULPline 2	10	350	400	900	600	1100	-	-	-	-	12	12	92	
	40	350	1900	3600	2400	4600	-	-	-	-	49	49	94	
	40	350	-	-	-	-	2300	2300	-	-	50	50	46	
	48	350	5300	5800	-	-	-	-	6100	6700	56	56	120	

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



5120

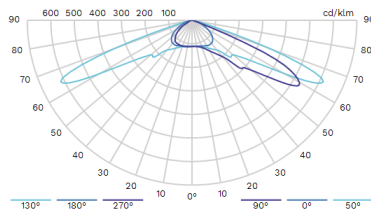


Distance [m]	Beam [°]	Diameter [cm]
25		
20		
15		
10		
5		

For a source of 1000 lumens



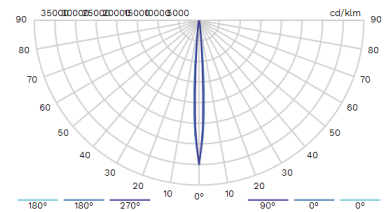
5121



Distance [m]	Beam [°]	Diameter [cm]
25		
20		
15		
10		
5		

For a source of 1000 lumens

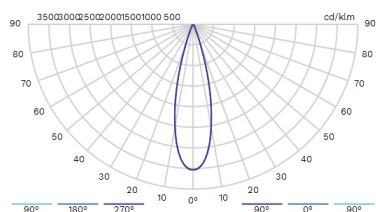
5125 Narrow beam



Distance [m]	Beam ϕ [°]	Diameter [cm]
25		262
20		210
15		157
10		105
5		52

For a source of 1000 lumens

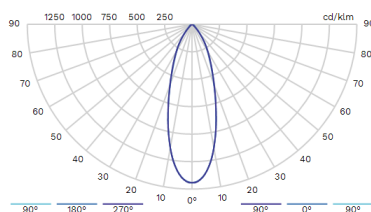
5126 Medium beam



Distance [m]	Beam 2θ [°]	Diameter [cm]
25		1154
20		923
15		693
10		462
5		231

For a source of 1000 lumens

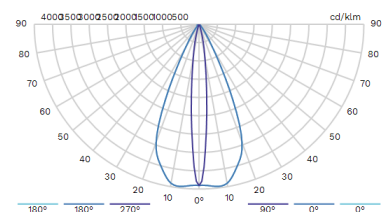
5127 Wide beam




Distance [m]	Beam 34 [°]	Diameter [cm]
25		1529
20		1223
15		917
10		611
5		306

For a source of 1000 lumens

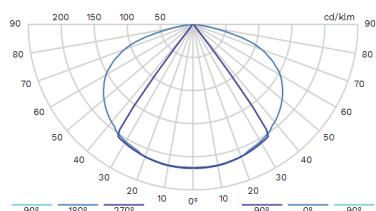
5128 Elliptical Beam



Distance [m]	Beam 48 x 10 [°]	Diameter [cm]
25		2226 x 437
20		1781 x 350
15		1336 x 262
10		890 x 175
5		445 x 87

For a source of 1000 lumens

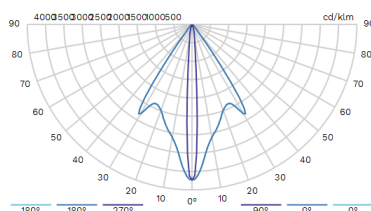
6262 No lenses Screen printed



Distance [m]	Beam 140 x 72 [°]	Diameter [cm]
25		13737 x 3633
20		10990 x 2906
15		8242 x 2180
10		5495 x 1453
5		2747 x 727

For a source of 1000 lumens

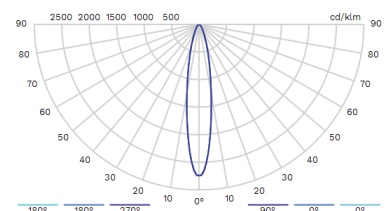
6286 - Diffuser P25 striated



Distance [m]	Beam 66 x 6 [°]	Diameter [cm]
25		3247 x 262
20		2598 x 210
15		1948 x 157
10		1289 x 105
5		649 x 52

For a source of 1000 lumens

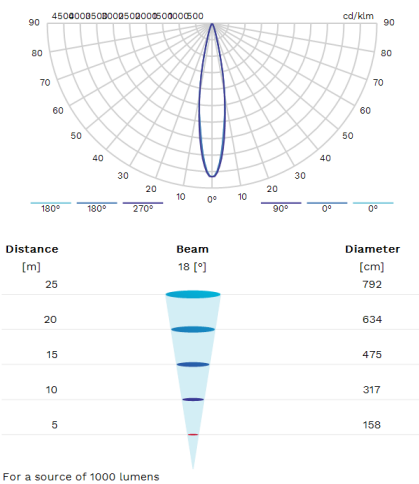
6287 - Diffuser sanded



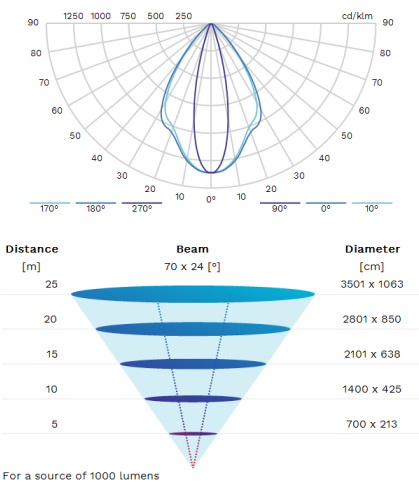
Distance [m]	Beam 18 [°]	Diameter [cm]
25		792
20		634
15		475
10		317
5		158

For a source of 1000 lumens

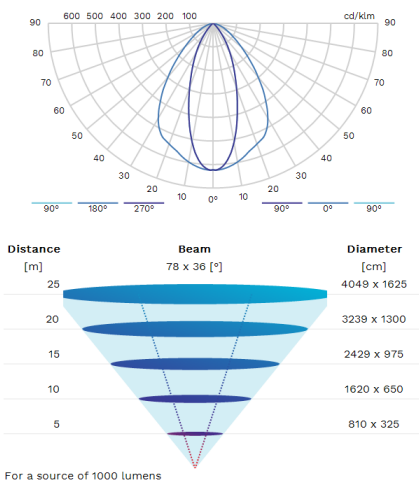
6288 - Diffuser P42 prismatic



6289 - Diffuser P25 striated



6290 - Diffuser P25 striated



6291 - Diffuser P25 striated

