

# 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.



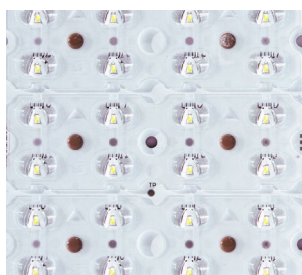
The inclination angle of the SCULPline is indicated on bracket.



## 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<br>- 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<br>Composite materials |
| Optic             | Polycarbonate                    |
| Protector         | Tempered glass<br>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 |
|----------------------------------|--|

· 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<br>Pharos    |

## OPTICAL INFORMATION

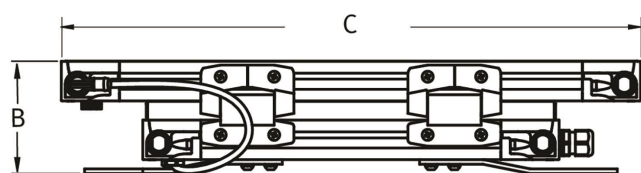
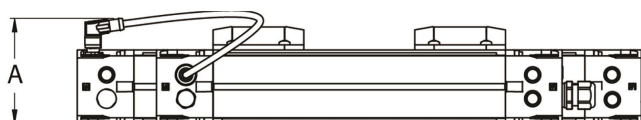
|                              |  |
|------------------------------|--|
| LED colour temperature       | RGB CW<br>3000K (Warm White 830)<br>4000K (Neutral White 740)<br>4000K (Neutral White 840) |
| Colour rendering index (CRI) | >80 (Warm White 830)<br>>70 (Neutral White 740)<br>>80 (Neutral White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

## LIFETIME OF THE LEDS @ TQ 25°C



|                    |                |
|--------------------|----------------|
| All configurations | 100,000h - L90 |
|--------------------|----------------|

## DIMENSIONS AND MOUNTING

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



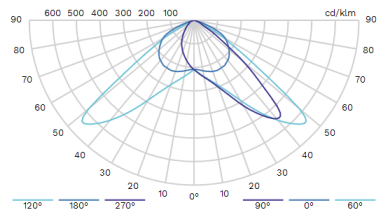


|             |                |              | Luminaire output flux (lm)<br>Warm White 830 |      | Luminaire output flux (lm)<br>Neutral White 840 |      | Luminaire output flux (lm)<br>RGB CW |      | Luminaire output flux (lm)<br>Neutral White 740 |      | Power consumption (W) |     | Luminaire 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

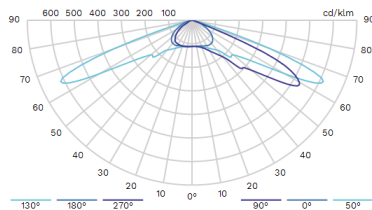


| Distance [m] | Beam [°] | Diameter [cm] |
|--------------|----------|---------------|
| 25           |          |               |
| 20           |          |               |
| 15           |          |               |
| 10           |          |               |
| 5            |          |         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

For a source of 1000 lumens



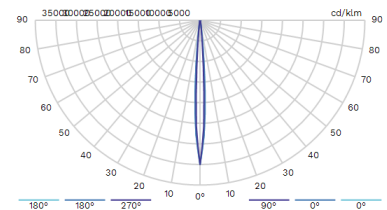
5121



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

For a source of 1000 lumens

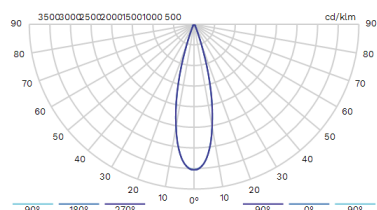
5125 Narrow beam



| Distance [m] | Beam [°] | Diameter [cm] |
|--------------|----------|---------------|
| 25           | 6        | 262           |
| 20           |          | 210           |
| 15           |          | 157           |
| 10           |          | 105           |
| 5            |          | 52            |

For a source of 1000 lumens

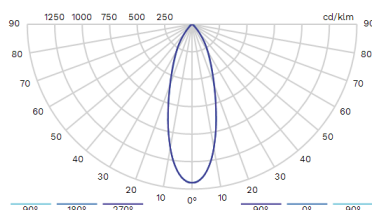
5126 Medium beam



| Distance [m] | Beam [°] | Diameter [cm] |
|--------------|----------|---------------|
| 25           | 26       | 1154          |
| 20           |          | 923           |
| 15           |          | 693           |
| 10           |          | 462           |
| 5            |          | 231           |

For a source of 1000 lumens

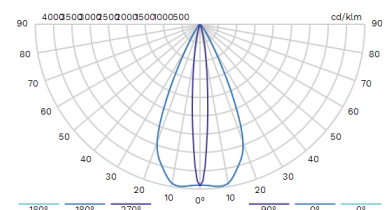
5127 Wide beam



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

For a source of 1000 lumens

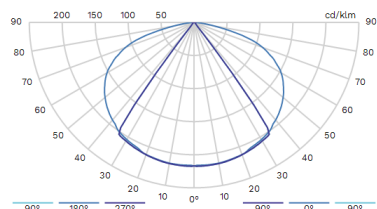
5128 Elliptical Beam



| Distance [m] | Beam [°] | Diameter [cm] |
|--------------|----------|---------------|
| 25           | 48 x 10  | 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

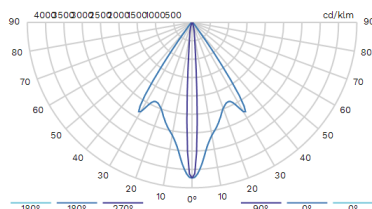
6262 No lenses Screen printed



| Distance [m] | Beam [°] | Diameter [cm] |
|--------------|----------|---------------|
| 25           | 140 x 72 | 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

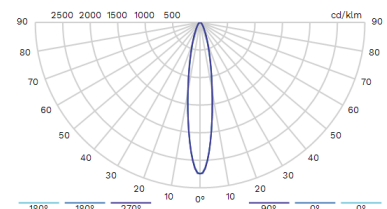
6286 - Diffuser P25 striated



| Distance [m] | Beam [°] | Diameter [cm] |
|--------------|----------|---------------|
| 25           | 66 x 6   | 3247 x 262    |
| 20           |          | 2598 x 210    |
| 15           |          | 1948 x 157    |
| 10           |          | 1299 x 105    |
| 5            |          | 649 x 52      |

For a source of 1000 lumens

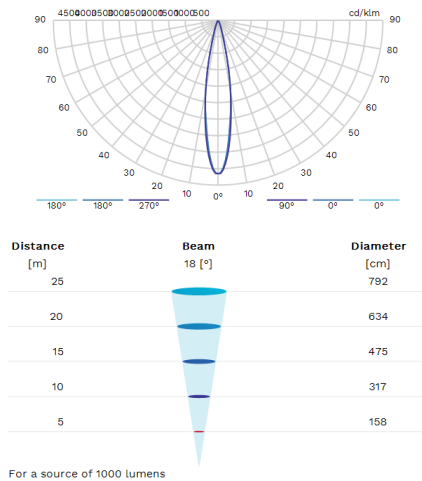
6287 - Diffuser sanded



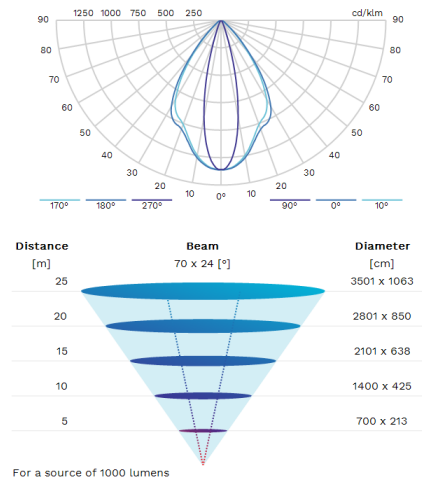
| Distance [m] | Beam [°] | Diameter [cm] |
|--------------|----------|---------------|
| 25           | 18       | 792           |
| 20           |          | 634           |
| 15           |          | 475           |
| 10           |          | 317           |
| 5            |          | 158     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

For a source of 1000 lumens

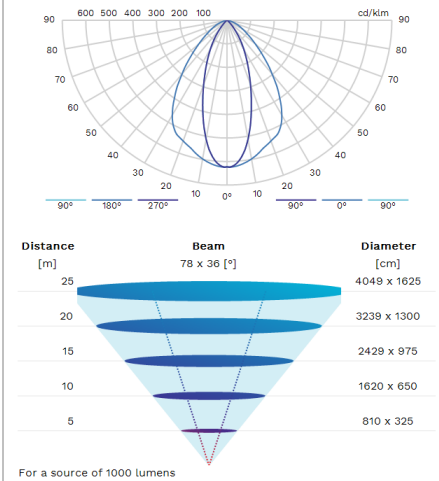
6288 - Diffuser P42 prismatic



6289 - Diffuser P25 striated



6290 - Diffuser P25 striated



6291 - Diffuser P25 striated

