

### MECHANICAL FEATURES

|  |  |                 |  |
|--|--|-----------------|--|
| Device dimensions:   | 1159 x 500 x h460 mm<br>45.6 x 19.7 x h18.1 in                       | Sky-light size: | 498 x 295 mm (x2)<br>19.6 x 11.6 in (x2) |
| Necessary space for installation<br>(largest volume including device,<br>assembled frame, fixing kit): | 1159 x 500 x h460 mm<br>45.6 x 19.7 x h18.1 in                       | Weight:         | 24 Kg<br>55 lb                           |
| Fixing kit:  | The fixing kit includes 4 threaded rods<br>(0.5 m; M6 metric system) |                 |  |

### ELECTRICAL FEATURES

|                            |   |
|----------------------------|---|
| Type of source:            | LED                                     |
| Light output control:      | Dimmable by DALI                        |
| Light output range:        | 0.1-100%                                |
| Power input:               | 4 channels, 450 mA each channel, 42 Vdc |
| Max power consumption:     | 80W                                     |
| Typical power consumption: | 80W                                     |
| Power supply:              | Not included.                           |

### FRAME

|                     |                                   |
|---------------------|-----------------------------------|
| Material:           | Steel                             |
| Visible dimensions: | Depending on the<br>configuration |
| Weight:             | 7 kg / 15.4 lb<br>0               |
| Finishing:          | White                             |

## DESCRIPTION

Coelux® LS Array is a recessed ceiling system that artificially reproduces natural light from the sky and the sun. It includes an LED light source, optical components and a Coelux® panel, all housed in a plastic structure. Skylight dimensions: (2x)498 x 295 mm | (2x)19.6 x 11.6 in). Appearance of the sun: visible, slightly frosted. Beam direction: 45°. Appearance of the sky: clear. Frame: included (mandatory for optimal yield), matte. It may also be mounted on normally inflammable surfaces. Inspection hatch: not required. For Array configurations use LS Array Head module and LS Array Middle module in variable number.

## OPTICAL FEATURES

|                             |           |
|-----------------------------|-----------|
| Total Light Output:         | 3000 lm   |
| Lumen maintenance (L90B10): | > 50000h  |
| LED CRI (Ra) :              | > 92      |
| CCT of transmitted beam:    | 4800K     |
| CCT of the Sky:             | > 30000 K |

Photometric diagram (simulated .ies .ldt file, without frame): Available

|  |                          |
|--|--------------------------|
| Beam angle:  | 45°                      |
| Divergence (H/V) (without frames, refer to photometric curves) | 13° / 18°                |
| Sun appearance:  | Visible slightly frosted |
| Sky appearance:  | Clear                    |
| Melanopic Ratio (Sky):   | 1,577                    |
| Melanopic Ratio (Sun):   | 0,822                    |

## OPERATING CONDITIONS

|  |  |
|--|--|
| Min/max operating temperature:                   | -10/40°C                               |
| Max operating relative humidity (no condensing): | 95%                                    |
| IP grade:  | IP20 (IP44 on the sky panel side only) |

## SHIPPING INFORMATION

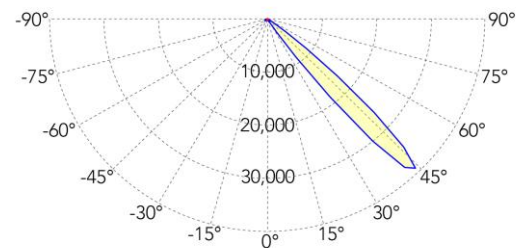
\_ No. 3 Carton boxes:  
 1200x500x650 mm / 47.2x19.7x25.6 in - 32 kg / 70.5 lb and  
 1250x660x185 mm / 49.2x26.0x7.3 in - 10 kg / 22 lb and  
 1250x660x185 mm / 49.2x26.0x7.3 in - 10 kg / 22 lb  
 Dimensions and weights may differ depending on packaging and shipping conditions.

## CERTIFICATIONS

|                     |                     |
|---------------------|---------------------|
| Certifications:     | KC*                 |
| Certification code: | Coelux LS (Serie 2) |

\* Available on request

## PHOTOMETRIC CURVES



Profiles (cd)  
 — C0 - C180  
 — C90 - C270

Coelux technical sheets and 3D files can be downloaded directly from our website [www.coelux.com](http://www.coelux.com)  
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