

MECHANICAL FEATURES

| | | | |
|--|--|-----------------|--|
| Device dimensions: | 1159 x 500 x h460 mm 45.6 x 19.7 x h18.1 in | Sky-light size: | 498 x 295 mm (x2) 19.6 x 11.6 in (x2) |
| Necessary space for installation (largest volume including device, assembled frame, fixing kit): | 1159 x 500 x h460 mm 45.6 x 19.7 x h18.1 in | Weight: | 24 Kg 55 lb |
| Fixing kit: | The fixing kit includes 4 threaded rods (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. Suggested power supply: MOONS MU050S150BQ1511 (x2) |

FRAME

| | |
|---------------------|-----------------------------------|
| Material: | Steel |
| Visible dimensions: | Depending on the configuration |
| Weight: | 7 kg / 15.4 lb 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) |

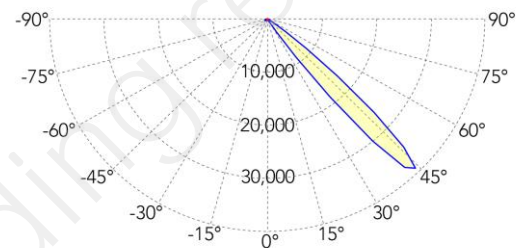
SHIPPING INFORMATION

_ 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: | CCC, CE, PSE |
| Certification code: | Coelux LS (Serie 2) |

PHOTOMETRIC CURVES



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

Coelux technical sheets and 3D files can be downloaded directly from our website www.coelux.com

The products here presented are covered by patents and patents applications. Details available at www.coelux.com/en/patents/index

Coelux reserves the right to carry out variations to technical details.