

### 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 MU050S150BQI511 (x2)

### FRAME

Material:	Powder-coated steel sheet
Visible dimensions:	Depending on the configuration
Weight:	7 kg / 15.4 lb
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)

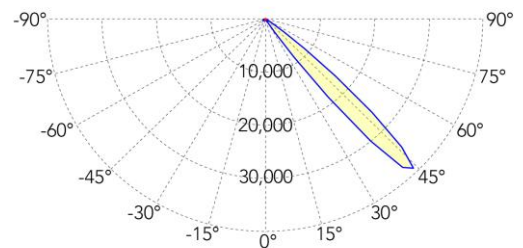
## SHIPPING INFORMATION

\_ 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
Certification code:	CoeLux LS (Serie 2)

## PHOTOMETRIC CURVES



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

All values marked with an \* are rated values.

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

The products here presented are covered by patents and patents applications. Details available at [www.coelux.com/en/patents/index](http://www.coelux.com/en/patents/index)

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