



MECHANICAL FEATURES

Device dimensions:	1159 x 535 x h464 mm 45.6 x 21.1 x h18.3 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 535 x h mm 45.6 x 21.1 x h in	Weight:	30 Kg 66 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:	120V, 60Hz
Max power consumption:	100W
Typical power consumption:	90W
Power supply:	Included

FRAME

Material:	Steel
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: 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)

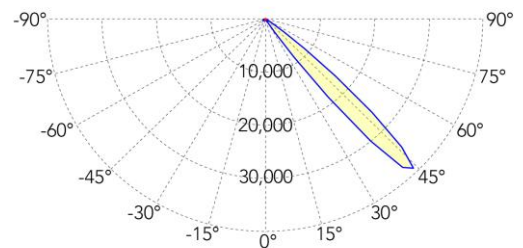
SHIPPING INFORMATION

_ 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:	UL, FCC
Certification code:	CoeLux LS

PHOTOMETRIC CURVES



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

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