

MECHANICAL FEATURES

Device dimensions:	1200 x 600 x h465 mm 47.2 x 23.6 x h18.3 in	Sky-light size:	1086 x 295 mm 42.8 x 11.6 in
Necessary space for installation (largest volume including device, assembled frame, fixing kit):	1200 x 600 x h465 mm 47.2 x 23.6 x h18.3 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:	Powder-coated steel sheet
Visible dimensions:	1200x600x130 mm / 47.2x23.6x5.1 in
Weight:	7 kg / 15.4 lb
Finishing:	White

DESCRIPTION

CoeLux® LS Matte 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: 1086 x 295 mm (42.8 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.

CERTIFICATIONS

Certifications:	UL, FCC
Certification code:	CoeLux LS

OPTICAL FEATURES

Total Light Output*:	3300 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

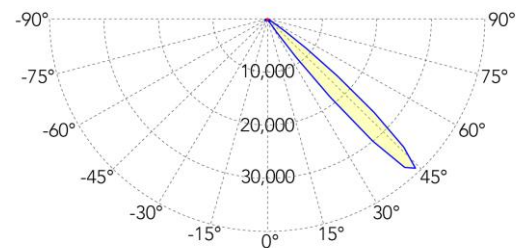
OPERATING CONDITIONS

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.

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

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.