CoeLux
Experience the Sky

Order Code: LS-ARR-MD-3L-CE

+ Fixing point

MECHANICAL FEATURES

Device dimensions:	1159 x 500 x h460 mm 45.6 x 19.7 x h18.1 in	Sky-light size:	(498 + 498) x 295 mm (19.6 + 19.6) x 11.6 in
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 or 0-10V
Light output range:	0.1-100%
Power input:	4 channels, 450 mA each channel, 42 Vdc
Max power consumption:	80 W
Typical power consumption:	80 W
Electrical rating	Class III
Power supply units and drivers:	Not included. Suggested driver: Driver DALI 50W - EldoLED SL0560/A-450mA Order code: 27-00003-02 (two pieces required)

FRAME

Material and visible dimensions:	Steel 1086x295xh130 mm / 42.8x11.6xh5.1 in
Weight:	6 kg / 13 lb
Finishing:	White, RAL 9010

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: (498 + 498) x 295 mm | (19.6 + 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.
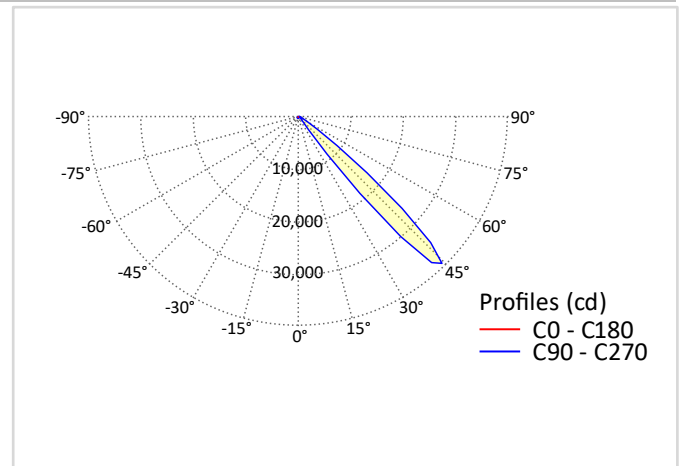
CERTIFICATIONS

Certifications:	CE, CB, PSE
Certification code:	CoeLux LS (Serie 2)
Warranty:	5 years

OPTICAL FEATURS

Total Light Output:	3000 lm
Lumen maintenance(L90B10):	> 50000 h
LED CRI (Ra)	> 92
CCT of transmitted beam:	4800 K
CCT of the Sky:	> 30000 K
Photometric diagram (simulated .ies .ldt file, without frame):	Available
Beam angle:	45°
Divergence-FWHM (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

PHOTOMETRIC CURVES

Profiles (cd)
C0 - C180
C90 - C270

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. 2 Carton boxes:
1200x650x h500 mm / 47.2x25.6x h19.7 in - 32 kg / 70.5 lb and
1210x450xh160 mm / 47.6x17.1xh6.2 in - 8 kg / 17.6 lb
Dimensions and weights may differ depending on packaging and shipping conditions.

ACCESSORIES

- 75-00063-01: CBU-A2D - Casambi wireless control unit configured for CoeLux LS Classic DALI
- 75-00064-01: CBU-A2D - Casambi wireless control unit configured for CoeLux LS Classic 0-10V
- 75-00057-01: Casambi Xpress - Casambi wireless Keypad user interface - White
- 75-00058-01: Casambi Xpress - Casambi wireless Keypad user interface - Black

NOTES

1) The drivers must be purchased separately, make sure you order it. The Order code is indicated in the section ELECTRICAL FEATURES (Power supply and driver units) of this datasheet.