

MECHANICAL FEATURES

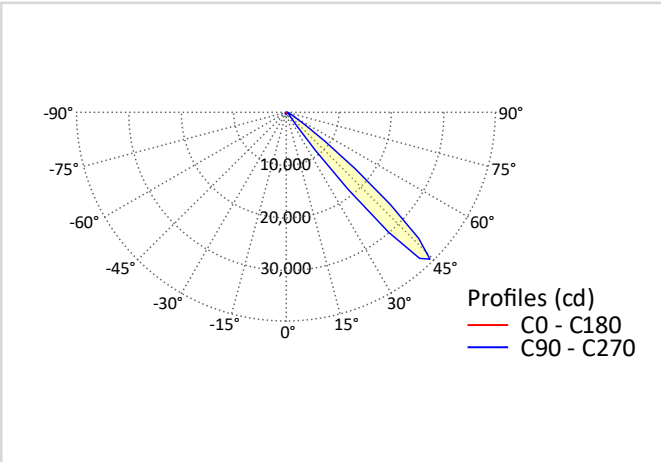
Device dimensions:	1159 x 500 x h460 mm 45.6 x 19.7 x h18.1 in	Sky-light size:	(498 + 498) x 295 mm (19.6 + 19.6) x 11.6 in
Necessary space for installation (largest volume including device, assembled frame, fixing kit):	1159 x 500 x h460 mm 45.6 x 19.7 x h18.1 in	Weight:	24 Kg 55 lb
Fixing kit	The fixing kit includes 4 threaded rods (0.5 m; M6 metric system)		

ELECTRICAL FEATURES

FRAME

Type of source:	LED	Material and visible dimensions:	Steel Depending on the configuration
Light output control:	Dimmable by DALI or 0-10V	Weight:	7 kg / 15.4 lb
Light output range:	0.1-100%	Finishing:	White, RAL 9010
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)		

DESCRIPTION	CERTIFICATIONS
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: CE, CB, PSE Certification code: Coelux LS (Serie 2) Warranty: 5 years

OPTICAL FEATURS	PHOTOMETRIC CURVES																								
<table border="1"> <tr><td>Total Light Output:</td><td>3000 lm</td></tr> <tr><td>Lumen maintenance(L90B10):</td><td>> 50000 h</td></tr> <tr><td>LED CRI (Ra)</td><td>> 92</td></tr> <tr><td>CCT of transmitted beam:</td><td>4800 K</td></tr> <tr><td>CCT of the Sky:</td><td>> 30000 K</td></tr> <tr><td>Photometric diagram (simulated .ies .ldt file, without frame):</td><td>Available</td></tr> <tr><td>Beam angle:</td><td>45°</td></tr> <tr><td>Divergence-FWHM (H/V)(without frames, refer to photometric curves):</td><td>13° / 18°</td></tr> <tr><td>Sun appearance:</td><td>Visible slightly frosted</td></tr> <tr><td>Sky appearance:</td><td>Clear</td></tr> <tr><td>Melanopic Ratio (Sky):</td><td>1,577</td></tr> <tr><td>Melanopic Ratio (Sun):</td><td>0,822</td></tr> </table>	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	 <p>Profiles (cd) — C0 - C180 — C90 - C270</p>
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																								

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	NOTES
- 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	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.

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 patent applications.
 Details available at www.coelux.com/en/patents/index Coelux reserves the right to carry out variations to technical details.