

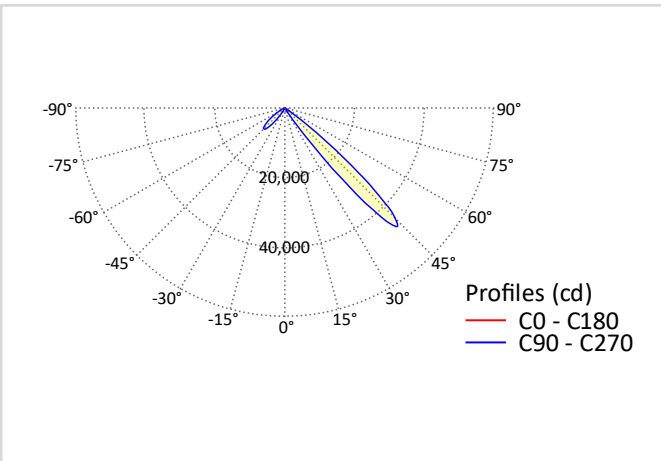
**MECHANICAL FEATURES**

Device dimensions:	1200 x 600 x h435 mm 47.2 x 23.6 x h18.1 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 h435 mm 47.2 x 23.6 x h17.1 in	Weight:	30 Kg 66 lb
Fixing kit	The fixing kit includes 4 threaded rods (0.5 m; M6 metric system)		

**ELECTRICAL FEATURES**

ELECTRICAL FEATURES		FRAME	
Type of source:	LED	Material and visible dimensions:	Painted metal, Silver alanod 1200x600xh100 mm / 47.2x23.6xh3.9 in
Light output control:	Dimmable by DALI or 0-10V	Weight:	6 kg / 13 lb
Light output range:	0.1-100%	Finishing:	White, RAL 9010 (horizontal surface) / silver (vertical surfaces)
Power input:	100-240V, 50/60Hz		
Max power consumption:	100 W		
Typical power consumption:	90 W		
Electrical rating	Class II		
Power supply units and drivers:	Included		

DESCRIPTION	CERTIFICATIONS						
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.	<table border="1"> <tr> <td>Certifications:</td> <td>UL, FCC</td> </tr> <tr> <td>Certification code:</td> <td>Coelux LS</td> </tr> <tr> <td>Warranty:</td> <td>5 years</td> </tr> </table>	Certifications:	UL, FCC	Certification code:	Coelux LS	Warranty:	5 years
Certifications:	UL, FCC						
Certification code:	Coelux LS						
Warranty:	5 years						

OPTICAL FEATURES	PHOTOMETRIC CURVES																								
<table border="1"> <tr><td>Total Light Output:</td><td>4300 lm</td></tr> <tr><td>Lumen maintenance(L90B10):</td><td>&gt; 50000 h</td></tr> <tr><td>LED CRI (Ra)</td><td>&gt; 92</td></tr> <tr><td>CCT of transmitted beam:</td><td>4800 K</td></tr> <tr><td>CCT of the Sky:</td><td>&gt; 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:	4300 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)</p> <ul style="list-style-type: none"> <li>— C0 - C180</li> <li>— C90 - C270</li> </ul>
Total Light Output:	4300 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 - 30 kg / 66.1 lb and  
 1250x660xh160 mm / 49.2x26.0xh6.2 in - 17 kg / 37.4 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	

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 patent 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.