



**MECHANICAL FEATURES**

Device dimensions:	2318 x 1675 x h798 mm 91.3 x 65.9 x h31.4 in	Sky-light size:	973 x 474 mm 38.3 x 18.7 in
Necessary space for installation (largest volume including device, assembled frame, fixing kit):	2376 x 1913 x h884 mm 93.6 x 75.3 x h34.8 in	Weight:	300 Kg 660 lb
Fixing kit:	The fixing kit includes: - 4 plates for slab fixing, - 4 threaded rods (1.5 m; M12 metric system)		

ELECTRICAL FEATURES	Sun	Moon	FRAME
Type of source:	LED	LED	Material:
Light output control with supplied keypad:	Dimmable by DALI	Recalled by DALI	Visible dimensions:
Light output range:	55-100%	--	Weight:
Power input:	100-240V, 50/60Hz	100-240V, 50/60Hz	Finishing:
Max power consumption:	300W	< 15W	White primer, to be painted
Typical power consumption:	270W	--	
Power supply:	Included	Included	

## DESCRIPTION

Coelux® 45 LC is a recessed ceiling system that artificially reproduces natural light from the sky and the sun. It includes a LED light source, optical components and a Sky panel, all housed in a metal structure. Skylight dimensions: 973 x 474 mm (38.3 x 18.7 in). Appearance of the sun: visible, sharp. Beam direction: 45°. Appearance of the sky: clear. Frame: included (mandatory for optimal yield). It may also be mounted on normally inflammable surfaces. Inspection hatch: required close to the projector.

## CERTIFICATIONS

Certifications:	CE, CB, PSE
Certification code:	Coelux 45LC_P_M

## OPTICAL FEATURES

	Sun	Moon
Total Light Output*:	4800 lm	
Lumen maintenance (L90B10)*:	> 50000h	> 50000h
LED CRI (Ra) :	> 92	--
CCT of transmitted beam:	4100K	--
CCT of the Sky:	> 15000 K	--
Photometric diagram (simulated .ies .ldt file, without frame):	Not available, support upon customer request	--
Beam angle:	45°	45°
Divergence (H/V) (without frames, refer to photometric curves)	30°/10°	30°/10°
Sun and Moon appearance:	Visible sharp	Visible
Sky appearance:	Clear	Clear
Melanopic Ratio (Sky):	1,444	--
Melanopic Ratio (Sun):	0,701	--

## PHOTOMETRIC CURVES

More information upon request

## OPERATING CONDITIONS

Min/max operating temperature:	-10/40°C
Max operating relative humidity (no condensing):	95%
IP grade:	IP20

## SHIPPING INFORMATION

\_ No. 3 Wooden boxes:  
 1130x1970x1115 mm / 44.5x77.5x45.3 in - 350 kg / 771.6 lb and  
 1930x120x970 mm / 76.0x74x38.2 in - 53 kg / 116.8 lb;  
 1650x1300x410 mm / 65.0x51.2x16.1 in - 55 kg / 121.3 lb  
 Dimensions and weights may differ depending on packaging and shipping conditions.

All values marked with an \* are rated values.

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 patents 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.