



**MECHANICAL FEATURES**

Device dimensions:	2318 x 1675 x h797 mm 91.3 x 65.9 x h31.4 in	Sky-light size:	960 x 460 mm 37.8 x 18.1 in
Necessary space for installation (largest volume including device, assembled frame, fixing kit):	2376 x 1913 x h923 mm 93.6 x 75.3 x h36.3 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**

Type of source:	LED
Light output control:	Dimmable by DALI with supplied Keypad
Light output range:	55-100%
Power input:	100-240V, 50/60Hz
Max power consumption:	300W
Typical power consumption:	270W
Power supply:	Included

**FRAME**

Material:	Recessed Flushed mounted
Visible dimensions:	Wood, 1458x1095x164 mm / 57.4x43.1x6.5 in
Weight:	30 kg / 66 lb
Finishing:	White primer, to be painted

## 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: 960 x 460 mm (37.8 x 18.1 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:	UL, FCC
Certification code:	Coelux 45LC_P

## OPTICAL FEATURES

Total Light Output*:	4800 lm
Lumen maintenance (L90B10)*:	> 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
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Beam angle:	45°
Divergence (H/V) (without frames, refer to photometric curves)	30°/10°
Sun appearance:	Visible sharp
Sky appearance:	Clear
Melanopic Ratio (Sky):	1,444
Melanopic Ratio (Sun):	0,701

## OPERATING CONDITIONS

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

## SHIPPING INFORMATION

\_ No. 2 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;  
\_ No. 1 Pallet:  
1650x1300x410 mm / 65.0x51.2x16.1 in - 55 kg / 121.3 lb;  
\_ No. 1 Carton Box:  
1700x160x70 mm / 66.9x6.3x2.8 in - 20 kg / 44.0 lb  
Dimensions and weights may differ depending on packaging and shipping conditions.

## PHOTOMETRIC CURVES

More information upon request

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.