



**MECHANICAL FEATURES**

Device dimensions:	3698 x 2274 x h1086 mm 145.6 x 89.5 x h42.7 in	Sky-light size:	1722 x 868 mm 67.8 x 34.2 in
Necessary space for installation (largest volume including device, assembled frame, fixing kit):	3759 x 2491 x h1170 mm 148.0 x 98.1 x h 46.1 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	
Max power consumption:	300W	< 15W	Finishing:
Typical power consumption:	270W	--	White primer, to be painted
Power supply:	Included	Included	

## DESCRIPTION

Coelux® 45 HC 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 1722 x 868 mm (67.8 x 34.2 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 45HC_P_M

## OPTICAL FEATURES

	Sun	Moon
Total Light Output*:	4700 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):	0,764	--

## 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. 2 Wooden boxes:  
2440x1000x1470 mm / 96.0x39.4x57.9 in - 301 kg / 663.6 lb and  
2630x120x1220 mm / 103.4x4.7x48.0 in - 87 kg / 191.8 lb;

\_ No. 1 Pallet:  
1200x800x1200 mm / 47.2x31.5x47.2 in - 50 kg / 110.2 lb;

\_ No. 1 Carton box pallet:  
1670x2370x430 mm / 65.7x93.3x16.9 in - 55 kg / 121.3 lb;

\_ No. 3 Carton boxes:  
2280x170x70 mm / 89.8x6.7x2.8 in - 18 kg / 39.7 and  
2070x130x1210 mm / 81.5x5.1x47.6 in - 41 kg / 90.4 lb and  
2280x170x70 mm / 89.8x6.7x2.8 in - 23 kg / 40.7 lb

Dimensions and weights may differ depending on packaging and shipping

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.