



### MECHANICAL FEATURES

Device dimensions:	2315 x 1675 x 1656 mm 91.2 x 65.9 x 65.2 in	Sky-light size:	893 x 974 mm 35.0 x 38.3 in (perceived)
Necessary space for installation (largest volume including device, assembled frame, fixing kit):	2376 x 1885 x 1656 mm 93.6 x 74.2 x 65.2 in	Weight:	300 Kg 660 lb
Fixing kit:	The fixing kit includes also: - 4 plates, - 2 stirrups for all fixing		

### ELECTRICAL FEATURES

Type of source:	LED
Light output control:	Dimmable by DALI
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:	1795x786x108 mm / 70.7x30.9x4.3 in
Weight:	20 kg / 44 lb
Finishing:	White primer, to be painted

## DESCRIPTION

Coelux® 45 SQUARE is a recessed system: partially hidden by the false wall and the false ceiling, it is able to artificially reproduce the natural light of the sky and the sun (it must be installed on the wall). It includes an LED light source, optical components and a Sky panel, all housed in a metal structure in the counter-wall, plus a mirror to be recessed into the false ceiling. Perceived Skylight dimensions : 890 x 974 mm (35.0 x 38.3 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.

## OPTICAL FEATURES

Total Light Output*:	4600 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. 4 Wooden boxes:  
 850x2400x1800 mm / 33.5x94.5x70.9 in - 250 kg / 551.2 lb and  
 1930x120x970 mm / 76.0x4.7x38.2 in - 53 kg / 116.8 lb and  
 2150x150x970 mm / 84.6x5.9x38.2 in - 70 kg / 154.3 lb and  
 2000x390x1150 mm / 78.7x15.4x45.3 in - 83 kg / 183.0 lb;  
 \_ No. 1 Pallet: 1200x800x1200 mm / 47.2x31.5x47.2 in - 47 kg / 81.6 lb;  
 \_ No. 2 Carton Boxes: 2150x150x1000 mm / 84.6x5.9x39.4 in - 10 kg / 22.0 lb and  
 800x600x200 mm / 31.5x23.6x7.9 in - 20 kg / 44.1 lb;  
 Dimensions and weights may differ depending on packaging and shipping conditions.

## CERTIFICATIONS

Certifications:	UL, FCC
Certification code:	Coelux 45 SQUARE_P

## 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.