



## 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:	4000 lm
Lumen maintenance (L90B10):	> 20000h
LED CRI (Ra) :	> 92
CCT of transmitted beam:	3900K
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 - 37 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

## PHOTOMETRIC CURVES

More information upon request

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.