



## MECHANICAL FEATURES

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

| ELECTRICAL FEATURES                        |                   |                   | FRAME                       |  |
|--|-------------------|-------------------|-----------------------------|--|
| Type of source:                            | LED               | LED               | Material:                   | Ceiling mounted PU,<br>1493x1186x165 mm /<br>58.8x46.7x6.5 in<br>10 kg / 22 lb |
| 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             |                             |  |
| Typical power consumption:                 | 270W              | --                | Finishing:                  |  |
| Power supply:                              | Included          | Included          | 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: 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:     | UL, FCC         |
| 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.