## MECHANICAL FEATURES

| Device dimensions: | $2376 \times 1675 \times 1656 \mathrm{~mm}$ $93.6 \times 65.9 \times 65.2$ in | Sky-light size: | $\begin{aligned} & 891 \times 974 \mathrm{~mm} \\ & 35.0 \times 38.3 \mathrm{in} \text { (perceived) } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| Necessary space for installation (largest volume including device, assembled frame, fixing kit): | $\begin{aligned} & 2376 \times 1885 \times 1656 \mathrm{~mm} \\ & 93.6 \times 74.2 \times 65.2 \mathrm{in} \end{aligned}$ | Weight: | $\begin{aligned} & 300 \mathrm{Kg} \\ & 660 \mathrm{lb} \end{aligned}$ |
| Fixing kit: | The fixing kit includes also: - 4 plates, - 2 stirrups for all fixing |  |  |
| ELECTRICAL FEATURES |  | FRAME |  |
| Type of source: | LED | Material: | Recessed Hlushed mounted |
| Light output control: | Not dimmable | Visible dimensions: | $1795 \times 786 \times 108 \mathrm{~mm} /$ |
| Light output range: | -- | Weight: | $\begin{aligned} & 70.7 \times 30.9 \times 4.3 \mathrm{in} \\ & 20 \mathrm{~kg} / 44 \mathrm{lb} \end{aligned}$ |
| Power input: | 100-240V, 50/60Hz |  | -- |
| Max power consumption: | 300W |  |  |
| Typical power consumption: | 270W |  |  |
| Power supply: | Included | 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 $: 890 \times 974 \mathrm{~mm}(35.0 \times 38.3 \mathrm{in})$. Appearance of the sun: visible sharp. Beam direction: $45^{\circ}$. 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 Im |
| :--- | :--- |
| Lumen maintenance (L90B10): | $>20000 \mathrm{~h}$ |
| LED CRI (Ra) : | $>92$ |
| CCT of transmitted beam: | 3900 K |
| CCT of the Sky: | $>15000 \mathrm{~K}$ |

Photometric diagram (simulated Not available, support upon customer .ies .Idt file, without frame): request

| Beam angle: | $45^{\circ}$ |
| :--- | :--- |
| Divergence (H/V) <br> (without frames, refer to <br> photometric curves) | $30^{\circ} / 10^{\circ}$ |
| Sun appearance: | Visible sharp |
| Sky appearance: | Clear |
| Melanopic Ratio (Sky): | 1,444 |
| Melanopic Ratio (Sun): | 0,701 |

## OPERATING CONDITIONS

Min/max operating temperature: $-10 / 40^{\circ} \mathrm{C}$
Max operating relative humidity $95 \%$
(no condensing)
IP20

## SHIPPING INFORMATION

_ No. 4 Wooden boxes:
$850 \times 2400 \times 1800 \mathrm{~mm} / 33.5 \times 94.5 \times 70.9 \mathrm{in}-250 \mathrm{~kg} / 551.2 \mathrm{lb}$ and
$1930 \times 120 \times 970 \mathrm{~mm} / 76.0 \times 4.7 \times 38.2 \mathrm{in}-53 \mathrm{~kg} / 116.8 \mathrm{lb}$ and $2150 \times 150 \times 970 \mathrm{~mm} / 84.6 \times 5.9 \times 38.2$ in $-70 \mathrm{~kg} / 154.3 \mathrm{lb}$ and
$2000 \times 390 \times 1150 \mathrm{~mm} / 78.7 \times 15.4 \times 45.3 \mathrm{in}-83 \mathrm{~kg} / 183.0 \mathrm{lb}$;
_ No. 1 Pallet: 1200×800x1200 mm / 47.2x31.5x47.2 in - $37 \mathrm{~kg} / 81.6 \mathrm{lb}$;
_ No. 2 Carton Boxes: $2150 \times 150 \times 1000 \mathrm{~mm} / 84.6 \times 5.9 \times 39.4 \mathrm{in}-10 \mathrm{~kg} / 22.0 \mathrm{lb}$ and
$800 \times 600 \times 200 \mathrm{~mm} / 31.5 \times 23.6 \times 7.9 \mathrm{in}-20 \mathrm{~kg} / 44.1 \mathrm{lb}$;
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
The products here presented are covered by patents and patents applications. Details available at www.coelux.com/en/patents/index CoeLux reserves the right to carry out variations to technical details.

