

## PRODUCT SPECIFICATION

### EMBLA Ceiling Panel 60x60

P/N: 100048



## SOLUTION DESCRIPTION

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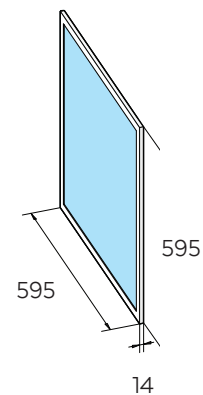
BrainLit Embla, a 24/7 Tunable white ceiling panel, that provides the right light around the clock. By dynamically adjusting the color temperature anywhere between ice blue white (7300K) to blue deprived warm white (1600K), you can transform the ambience of a room and promote the circadian alignment day and night thanks to the impressive DER range of 18% to 108%. The luminaire embraces the black body curve, dims smoothly to 0,1% and provides up to 4000lm. The low CCT, high CRI white ensures comfortable blue deprived light to relax or work in during nighttime.

### AREAS OF USE (examples)

|                    |  |
|--------------------|--|
| <b>Office</b>      | High Value Offices / High Risk Offices / Meetings & Seminar Rooms  |
| <b>Industrial</b>  | High Value Manufacturing / High Risk Operations / Control Rooms  |
| <b>Education</b>   | Conference Centres / Class Rooms   |
| <b>Hospitality</b> | Customer Interaction Centres / Receptions / Conference Rooms / Premium Room Settings / Terminals / Lounges   |
| <b>Healthcare</b>  | Surgical Theaters / Sterile Processing Dep. / Intensive Care Units / Wards-Long Term Care / Dialysis Centres |
| <b>Residential</b> | Nursing Homes / Elderly Care / Luxury Room Settings  |

## MEASUREMENTS / PACKAGING

|                              |             |
|------------------------------|-------------|
| <b>Weight (kg)</b>           | 4,0         |
| <b>Size LxWxH (mm)</b>       | 595x595x14  |
| <b>Diameter (mm)</b>         | N/A         |
| <b>Box quantity</b>          | 4           |
| <b>Boxed size LxWxH (mm)</b> | 745x255x655 |
| <b>Boxed weight (kg)</b>     | 19,7        |



## MARKET AVAILABILITY

EMEA                      EU



## PRODUCT TECHNICAL SPECIFICATION

### LIGHT PROPERTIES

|                       |   |
|-----------------------|---|
| Light source type     | LED   |
| LED color temperature | 1600K-7300K   |
| Color rendering       | CRI/Ra >90  |
| Lumen output          | 4000lm  |
| mDER range            | 18%-108%  |
| Beam angle            | 110°  |
| Dimming range         | 0.1%-100%   |
| Flicker handling      | $P_{st}^{LM} \leq 1$ , $SVM \leq 0,4$ , IEEE 1789 comp. |
| Lifetime              | 0.81 (LLMF 50 000h)                                     |
|                       | 83 000h (L70B50)  |

### POWER PROPERTIES

|   |  |
|---|--|
| Rated input power                                   | 52W  |
| Efficacy*   | 76 lm/W  |
| Supply voltage range                                | 220-240V   |
| Supply power frequency                              | 50/60Hz  |
| Maximum circuit breaker loading (no of luminaires): | B10 B13 B16 C10 C13 C16<br>@230V 21 27 33 21 27 33 |
| DALI device type                                    | 1x DT8 + 1x DT6                                    |
| DALI address usage                                  | 2  |
| DALI-2 compliant                                    | Yes  |
| Power and DALI connector                            | WAGO WINSTA®. Cable length 1,5m                    |

### MECHANICAL PROPERTIES

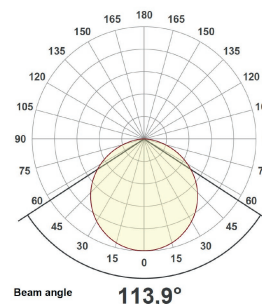
|                |  |
|----------------|--|
| Colors         | Anodized aluminum (Al)                   |
| Material       | Aluminum + PMMA                          |
| Configuration  | Edge lit panel for drop down ceiling     |
| Mounting       | Recessed, surface or pendant using frame |
| IP rating      | 44                                       |
| Certifications | CE                                       |

\*At maximum intensity and CCT

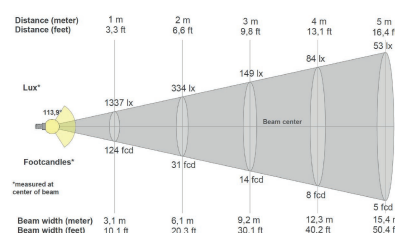
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## TYPICAL CHARACTERIZATION DATA

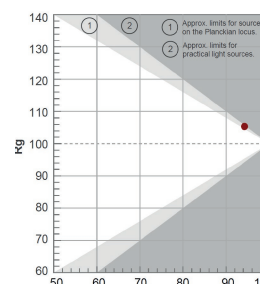
### Light distribution



### Beam description



### Color rendering TM-30



### Color rendering CRI, (CIE 1931)

