



PRODUCT SPECIFICATION

BALDER Pendant 90

Article no: 100046



SOLUTION DESCRIPTION

PRODUCT DESCRIPTION

The BrainLit Balder is a pendant, dynamic LED luminaire that brings brightness and spacious atmosphere. It instantly alters the emotional experience of your environment. By dynamically adjusting its color temperature anywhere between cold white (6500K) to warm white (2700K), you can transform the ambience of a room and promote the circadian alignment.

The BrainLit Balder luminaire embraces the black body curve with exceptional color rendering while dimming smoothly down to 0.1%.

AREAS OF USE (examples)

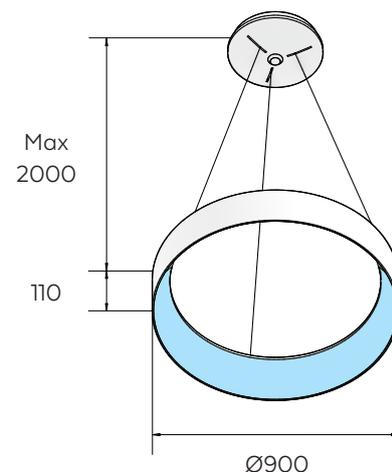
| | |
|--------------------|---|
| Office | High Value Offices / High Risk Offices / Meetings & Seminar Rooms |
| Education | Conference Centres / Class Rooms |
| Hospitality | Customer Interaction Centres / Receptions / Terminals / Conference Centres |
| Residential | Nursing Homes / Elderly Care / Luxury Room Settings |

MEASUREMENTS / PACKAGING

| | |
|------------------------------|-------------|
| Weight (kg) | 6,2 |
| Size LxWxH (mm) | NAxNAX110 |
| Diameter (mm) | 900 |
| Box quantity | 1 |
| Boxed size LxWxH (mm) | 960x960x160 |
| Boxed weight (kg) | 7,5 |

MARKET AVAILABILITY

EMEA EU



Driver size LxWxH (mm): 177x74x31



PRODUCT TECHNICAL SPECIFICATION

LIGHT PROPERTIES

| | |
|-----------------------|---|
| Light source type | LED |
| LED color temperature | 6500K-2700K |
| Color rendering | CRI/RA>90 |
| Lumen output | 6000lm |
| mDER range | 42%-95% |
| Beam angle | 180° |
| Dimming range | 0,1% - 100 % |
| Flicker handling | $P_{st}^{LM} \leq 1$, SVM $\leq 0,4$, IEEE 1789 comp. |
| Lifetime | 0,87 (LLMF 50 000h) >100 000h (L70B50) |

POWER PROPERTIES

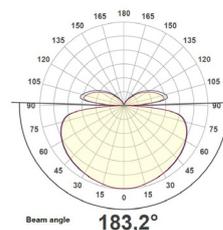
| | | | | | | | | | | | | | | | |
|---|--|-----|-----|-----|-----|-----|-----|-----|-------|----|----|----|----|----|----|
| Rated input power | 102 W | | | | | | | | | | | | | | |
| Efficacy* | 73 lm/W | | | | | | | | | | | | | | |
| Supply voltage range | 120-277V | | | | | | | | | | | | | | |
| Supply power frequency | 50/60Hz | | | | | | | | | | | | | | |
| Maximum circuit breaker loading (no of luminaires): | <table border="1"> <tr> <td></td> <td>B10</td> <td>B13</td> <td>B16</td> <td>C10</td> <td>C13</td> <td>C16</td> </tr> <tr> <td>@230V</td> <td>15</td> <td>20</td> <td>24</td> <td>15</td> <td>20</td> <td>24</td> </tr> </table> | | B10 | B13 | B16 | C10 | C13 | C16 | @230V | 15 | 20 | 24 | 15 | 20 | 24 |
| | B10 | B13 | B16 | C10 | C13 | C16 | | | | | | | | | |
| @230V | 15 | 20 | 24 | 15 | 20 | 24 | | | | | | | | | |
| DALI device type | 6 | | | | | | | | | | | | | | |
| DALI-2 compliant | Yes | | | | | | | | | | | | | | |
| Power supply and DALI connector | WAGO WINSTA® 0,5m | | | | | | | | | | | | | | |

MECHANICAL PROPERTIES

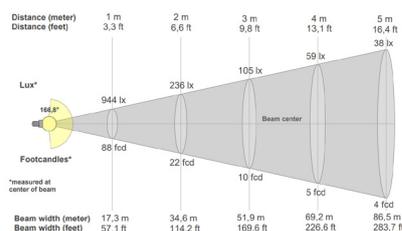
| | |
|----------------|------------------------|
| Colors | White matte (RAL 9003) |
| Material | Aluminum + PMMA |
| Configuration | Pendant |
| Mounting | Surface or suspended |
| IP rating | 20 |
| Certifications | CE |
| Warranty | 5 years |

TYPICAL CHARACTERIZATION DATA

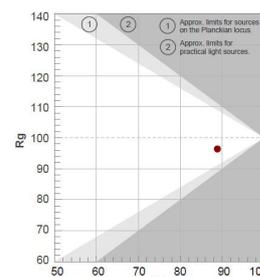
Light distribution



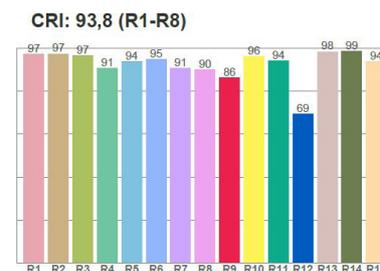
Beam description



Color rendering TM-30



Color rendering CRI, (CIE 1931)



*At maximum intensity and CCT

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