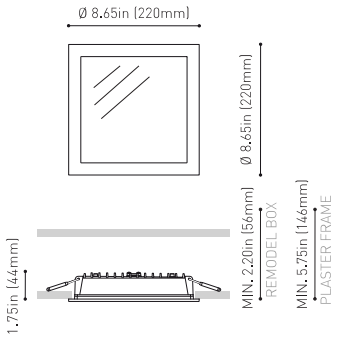
# Madison

ARKOSLIGHT



## Dimensions




| | |
|---|---|
| | **PRODUCT** |
| **Name** | MADISON UL 4000K W |
| **Reference** | U1900112W |
| **Color** | Matt white |
| **RAL** | 9010 |
| **Category** | CEILING RECESSED |

| | |
|---|---|
| | **MOUNTING ACCESSORY / DRIVER** |
| **Mounting Accessory / Driver** | Mandatory, not included. See Mounting acc. Page |
| **Model** | NC PLASTER FRAME L 205x205 20-29.4W 700mA |
| **Reference** | U1000016 |

| | |
|---|---|
| | **LIGHT SOURCE** |
| **Type** | LED |
| **Gross luminous flux** | 3075 Lm |
| **Color temperature** | 4000 K |
| **Chromatic stability** | MacAdam Step 2 |
| **Color Rendering Index** | CRI>90 |
| **Power** | 22 W |
| **Current** | 700 mA |
| **Efficacy** | 140 Lm/W |
| **LED lifespan** | L80B10>60.000h |

| | |
|---|---|
| | **LIGHTING FIXTURE \| PHOTOMETRIC DATA** |
| **Lighting efficiency** | 82% |
| **Delivered luminous flux** | 2522 Lm |
| **Light beam angle** | 100° |

| | |
|---|---|
| | **LIGHTING FIXTURE \| ELECTRICAL DATA** |
| **Power values of the system** | 25 W |
| **Voltage** | 120/277 V |
| **Frequency** | 50/60 Hz |
| **Dimming** | 0-10V / TRIAC/ELV dimming only at 120Vac. |

| | |
|---|---|
| | **OTHER DATA** |
| **IC Rated** | Yes |
| **Environmental location** | DAMP |

A squared recessed downlight in which the narrowness and the reduced width of its frame are the differentiating hallmarks of this elegant luminaire.

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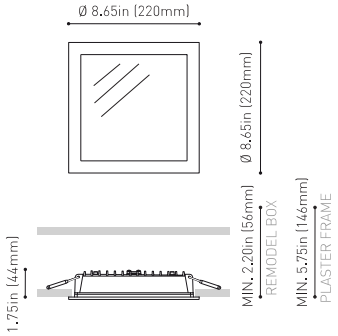
# Madison

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| | OTHER DATA |
|---|---|
| **Recess measurements** | 8.07 x 8.07 in \| 205 x 205 mm |
| **Weight** | 2.53 lb \| 1147 gr |
| **Packaged weight** | 3.04 lb \| 1378 gr |
| **Packaging dimensions** | 13.07 x 9.65 x 3.31 in \| 332 x 245 x 84 mm |
| **Materials** | Aluminium - Polymethyl Methacrylate |

## Dimensions




A squared recessed downlight in which the narrowness and the reduced width of its frame are the differentiating hallmarks of this elegant luminaire.

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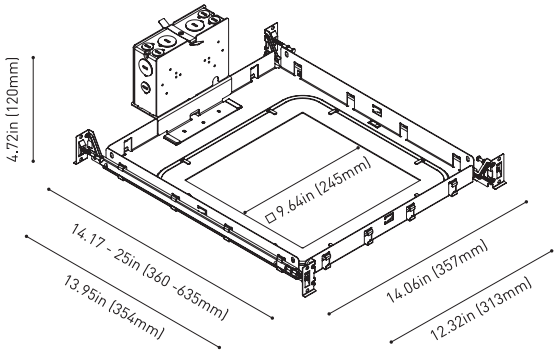


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# Mounting Accessory / Driver

ARKOSLIGHT

## Mandatory / Not Included




| | PRODUCT |
|---|---|
| Model | NC PLASTER FRAME L 205x205 20-29.4W 700mA |
| Driver | Included: ERP - PSB series or similar |
| Reference | U1000016 |
| IC Rated | Yes |
| Dimming | 0-10V / TRIAC/ELV dimming only at 120Vac. |
| Fast connect | Yes |
| Size | 14.17 - 25 x 14.06 x 4.72 in \| 360 - 635 x 357 x 120 mm |
| Weight | 3.19 lb \| 1452 gr |
| Packaged weight | 3.76 lb \| 1707 gr |
| Packaging dimensions | 16.6 x 15.03 x 4.52 in \| 422 x 382 x 115 mm |
| Nº Luminaires | 1 |

| | INPUT CHARACTERISTICS |
|---|---|
| Input Voltage | 120/277 V |
| Frequency | 50/60 Hz |

| | OUTPUT CHARACTERISTICS |
|---|---|
| Output Voltage | 28 - 42 V |
| Output Current | 700 mA |
| Output Power | 20 - 29.4 W |

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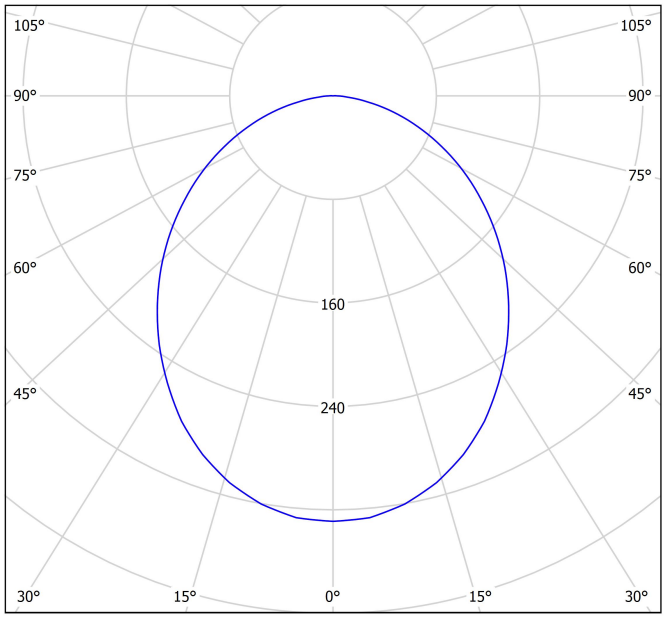


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# Lighting Technical Data

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## Polar diagram

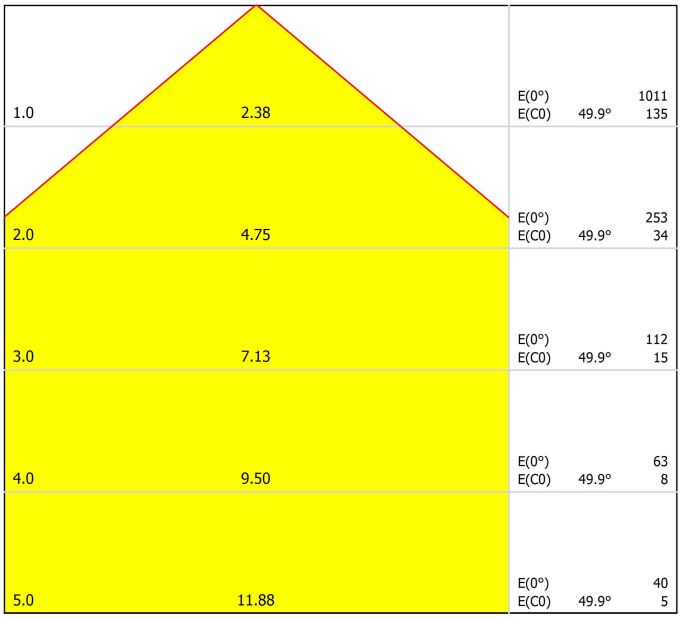



cd/klm

η = 82%

C0 - C180 C90 - C270

## Conical diagram




Distance [m] Cone Diameter [m] Illuminance [lx]

C0 - C180 (Half-value Angle: 99.8°)

## UGR

**Glare Evaluation According to UGR**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ρ Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| ρ Walls | | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| ρ Floor | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room Size X | Y | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | 23.0 | 24.3 | 23.3 | 24.5 | 24.8 | 23.0 | 24.3 | 23.3 | 24.5 | 24.8 |
| | 3H | 24.7 | 25.8 | 25.0 | 26.1 | 26.4 | 24.7 | 25.8 | 25.0 | 26.1 | 26.4 |
| | 4H | 25.3 | 26.4 | 25.6 | 26.7 | 27.0 | 25.3 | 26.4 | 25.6 | 26.7 | 27.0 |
| | 6H | 25.7 | 26.7 | 26.1 | 27.0 | 27.3 | 25.7 | 26.7 | 26.1 | 27.0 | 27.3 |
| | 8H | 25.8 | 26.8 | 26.2 | 27.1 | 27.4 | 25.8 | 26.8 | 26.2 | 27.1 | 27.4 |
| | 12H | 25.9 | 26.8 | 26.3 | 27.1 | 27.5 | 25.9 | 26.8 | 26.3 | 27.1 | 27.5 |
| 4H | 2H | 23.6 | 24.7 | 23.9 | 24.9 | 25.2 | 23.6 | 24.7 | 23.9 | 24.9 | 25.2 |
| | 3H | 25.4 | 26.4 | 25.8 | 26.7 | 27.0 | 25.4 | 26.4 | 25.8 | 26.7 | 27.0 |
| | 4H | 26.2 | 27.0 | 26.6 | 27.4 | 27.7 | 26.2 | 27.0 | 26.6 | 27.4 | 27.7 |
| | 6H | 26.7 | 27.4 | 27.1 | 27.8 | 28.2 | 26.7 | 27.4 | 27.1 | 27.8 | 28.2 |
| | 8H | 26.9 | 27.5 | 27.3 | 27.9 | 28.4 | 26.9 | 27.5 | 27.3 | 27.9 | 28.4 |
| | 12H | 27.0 | 27.6 | 27.4 | 28.0 | 28.4 | 27.0 | 27.6 | 27.4 | 28.0 | 28.4 |
| 8H | 4H | 26.5 | 27.1 | 26.9 | 27.5 | 27.9 | 26.5 | 27.1 | 26.9 | 27.5 | 27.9 |
| | 6H | 27.1 | 27.6 | 27.6 | 28.1 | 28.5 | 27.1 | 27.6 | 27.6 | 28.1 | 28.5 |
| | 8H | 27.3 | 27.8 | 27.8 | 28.3 | 28.7 | 27.3 | 27.8 | 27.8 | 28.3 | 28.7 |
| | 12H | 27.5 | 27.9 | 28.0 | 28.4 | 28.9 | 27.5 | 27.9 | 28.0 | 28.4 | 28.9 |
| 12H | 4H | 26.5 | 27.1 | 26.9 | 27.5 | 27.9 | 26.5 | 27.1 | 26.9 | 27.5 | 27.9 |
| | 6H | 27.2 | 27.6 | 27.6 | 28.1 | 28.5 | 27.2 | 27.6 | 27.6 | 28.1 | 28.5 |
| | 8H | 27.4 | 27.8 | 27.9 | 28.3 | 28.8 | 27.4 | 27.8 | 27.9 | 28.3 | 28.8 |

Variation of the observer position for the luminaire distances S

| | | |
|---|---|---|
| S = 1.0H<br>S = 1.5H<br>S = 2.0H | +0.1 / -0.1<br>+0.2 / -0.4<br>+0.4 / -0.7 | +0.1 / -0.1<br>+0.2 / -0.4<br>+0.4 / -0.7 |
| Standard table | BK05 | BK05 |
| Correction Summand | 5.3 | 5.3 |

Corrected Glare Indices referring to 3075lm Total Luminous Flux


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