

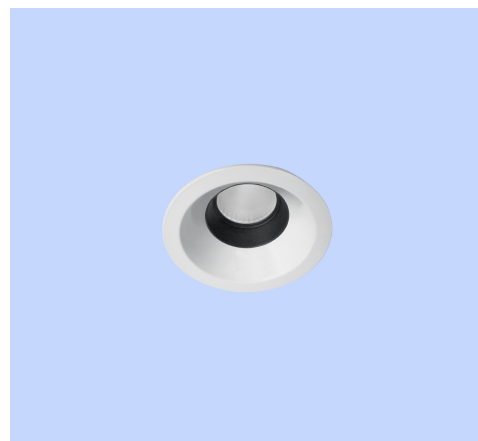
## M587EMD41LED2830-W

**ARTEMIS (DOB) recessed round super comfort downlight, Medium light distribution, 10-cm Dia., 3000K, LED2, 700 Lumens, 10W, White**



### About Product

ARTEMIS modern recessed round super comfort (Darklight) downlight luminaire is designed and manufactured by Megalite in various sizes for modern office and commercial lighting applications. Durability, UV free, excellent visual comfort, energy saving, glare control, environment friendliness, and higher than 80 color rendering index (CRI) are among the highlights of this luminaire.



### Technical Information

|                              |                                                               |
|------------------------------|---------------------------------------------------------------|
| Luminaire Name:              | ARTEMIS                                                       |
| Catalog Code/product code:   | M587EMD41LED2830-W                                            |
| Mounting Type:               | Recessed-Gypsum false ceiling, Recessed-Exposed false ceiling |
| Application:                 | Gallery and museum, Hospitality, Shopping centers             |
| Light source type:           | DOB LED (PF> 0.9)                                             |
| Module/ Lamp quantity:       | 1                                                             |
| CCT (Color temperature):     | 3000K - Warm White                                            |
| Light source:                | LED                                                           |
| LED Module brand name:       | Edison                                                        |
| Lumen maintenance:           | > 50.000 hours                                                |
| Lumen maintenance factor:    | L70                                                           |
| CRI (Color rendering index): | > 80                                                          |
| Power Consumption:           | 10                                                            |
| Luminous Flux:               | 700                                                           |
| Efficacy (lm/W):             | 70                                                            |
| IP (Ingress Protection):     | IP43 (Underside)                                              |
| Insulation Class:            | Class I                                                       |
| Mains voltage:               | 198~253 VAC                                                   |
| Voltage Frequency:           | 50/60 Hz                                                      |
| Wire / Cable Spec:           | PVC solid wire                                                |

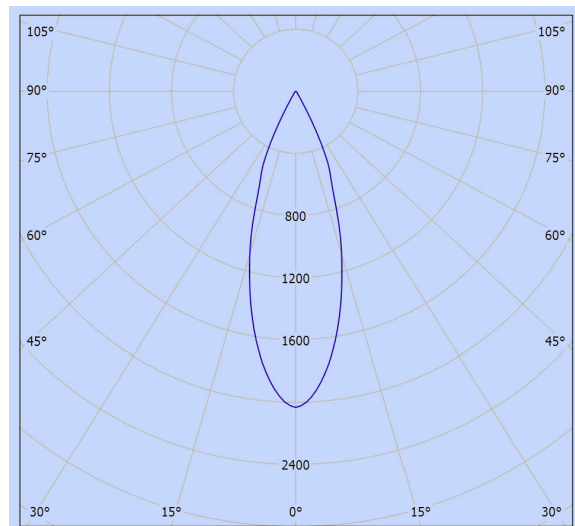
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|                                |                                                                          |
|--------------------------------|--------------------------------------------------------------------------|
| Wire cross section:            | 0.5                                                                      |
| Terminal material:             | Polyamide                                                                |
| Terminal Spec:                 | Tool free wire connection, 3-Pole (Size: 2.5), Cable looping is possible |
| Cable Looping:                 | Yes                                                                      |
| Body Material:                 | Die-Cast aluminum                                                        |
| Body Coating:                  | Powder coated                                                            |
| Body Color:                    | White                                                                    |
| RAL:                           | RAL9003                                                                  |
| Body Characteristic:           | Specially designed cooling feature                                       |
| Reflector Material:            | aluminum sheet                                                           |
| Reflector Coating:             | Pre-anodized                                                             |
| Diffuser/Glass Material:       | Polycarbonate                                                            |
| Diffuser/Glass Shape:          | Frosted                                                                  |
| Diffuser/Glass Characteristic: | Uniform light distribution                                               |
| Light Distribution:            | 35 degrees                                                               |
| Clamp Material:                | Stainless steel                                                          |
| Clamp Characteristic:          | Easy and safe tool free installation of the luminaire                    |
| Packaging type:                | Nylon cover and carton                                                   |
| Weight(Kg):                    | 0.3                                                                      |
| Dimensions(mm):                | Ø118x97                                                                  |
| Order Option (Routine option): | 5700K color temperature                                                  |

## M587EMD41LED2830-W

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### Photometric Graph



| Glare Evaluation According to UGR                                |     |                                                |       |       |       |       |                                         |       |       |       |       |       |
|------------------------------------------------------------------|-----|------------------------------------------------|-------|-------|-------|-------|-----------------------------------------|-------|-------|-------|-------|-------|
| Room Ceiling                                                     |     | 70                                             | 70    | 50    | 50    | 30    | 70                                      | 70    | 50    | 50    | 30    | 30    |
| Room Walls                                                       |     | 50                                             | 30    | 50    | 30    | 30    | 50                                      | 30    | 50    | 30    | 30    | 20    |
| Room Floor                                                       |     | 20                                             | 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  | -15.2                                          | -14.6 | -15.0 | -14.4 | -14.2 | -15.2                                   | -14.6 | -15.0 | -14.4 | -14.2 | -14.2 |
|                                                                  | 3H  | -15.4                                          | -14.8 | -15.1 | -14.5 | -14.3 | -15.4                                   | -14.8 | -15.1 | -14.5 | -14.3 | -14.3 |
|                                                                  | 4H  | -15.4                                          | -14.9 | -15.1 | -14.6 | -14.4 | -15.4                                   | -14.9 | -15.1 | -14.6 | -14.4 | -14.4 |
|                                                                  | 6H  | -15.5                                          | -15.0 | -15.2 | -14.7 | -14.4 | -15.5                                   | -15.0 | -15.2 | -14.7 | -14.4 | -14.4 |
|                                                                  | 8H  | -15.5                                          | -15.1 | -15.2 | -14.8 | -14.5 | -15.5                                   | -15.1 | -15.2 | -14.8 | -14.5 | -14.5 |
| 4H                                                               | 12H | -15.6                                          | -15.1 | -15.2 | -14.8 | -14.5 | -15.6                                   | -15.1 | -15.2 | -14.8 | -14.5 | -14.5 |
|                                                                  | 2H  | -15.4                                          | -14.9 | -15.1 | -14.6 | -14.4 | -15.4                                   | -14.9 | -15.1 | -14.6 | -14.4 | -14.4 |
|                                                                  | 3H  | -15.6                                          | -15.1 | -15.2 | -14.8 | -14.5 | -15.6                                   | -15.1 | -15.2 | -14.8 | -14.5 | -14.5 |
|                                                                  | 4H  | -15.6                                          | -15.3 | -15.3 | -14.9 | -14.6 | -15.6                                   | -15.3 | -15.3 | -14.9 | -14.6 | -14.6 |
|                                                                  | 6H  | -15.7                                          | -15.4 | -15.3 | -15.0 | -14.7 | -15.7                                   | -15.4 | -15.3 | -15.0 | -14.7 | -14.7 |
| 8H                                                               | 8H  | -15.8                                          | -15.5 | -15.4 | -15.1 | -14.7 | -15.8                                   | -15.5 | -15.4 | -15.1 | -14.7 | -14.7 |
|                                                                  | 12H | -15.8                                          | -15.6 | -15.4 | -15.2 | -14.7 | -15.8                                   | -15.6 | -15.4 | -15.2 | -14.7 | -14.7 |
|                                                                  | 4H  | -15.8                                          | -15.5 | -15.4 | -15.1 | -14.7 | -15.8                                   | -15.5 | -15.4 | -15.1 | -14.7 | -14.7 |
|                                                                  | 6H  | -15.9                                          | -15.6 | -15.4 | -15.2 | -14.8 | -15.9                                   | -15.6 | -15.4 | -15.2 | -14.8 | -14.8 |
|                                                                  | 8H  | -15.9                                          | -15.7 | -15.4 | -15.3 | -14.8 | -15.9                                   | -15.7 | -15.4 | -15.3 | -14.8 | -14.8 |
| 12H                                                              | 12H | -16.0                                          | -15.8 | -15.5 | -15.3 | -14.9 | -16.0                                   | -15.8 | -15.5 | -15.3 | -14.9 | -14.9 |
|                                                                  | 4H  | -15.8                                          | -15.6 | -15.4 | -15.2 | -14.7 | -15.8                                   | -15.6 | -15.4 | -15.2 | -14.7 | -14.7 |
|                                                                  | 6H  | -15.9                                          | -15.7 | -15.4 | -15.3 | -14.8 | -15.9                                   | -15.7 | -15.4 | -15.3 | -14.8 | -14.8 |
|                                                                  | 8H  | -16.0                                          | -15.8 | -15.5 | -15.3 | -14.9 | -16.0                                   | -15.8 | -15.5 | -15.3 | -14.9 | -14.9 |
|                                                                  | 12H | -16.0                                          | -15.8 | -15.5 | -15.3 | -14.9 | -16.0                                   | -15.8 | -15.5 | -15.3 | -14.9 | -14.9 |
| Variation of the observer position for the luminance distances S |     |                                                |       |       |       |       |                                         |       |       |       |       |       |
| S = 1.0H                                                         |     | +5.3 / -10.6                                   |       |       |       |       | +5.3 / -10.6                            |       |       |       |       |       |
| S = 1.5H                                                         |     | +8.0 / -87.1                                   |       |       |       |       | +8.0 / -87.1                            |       |       |       |       |       |
| S = 2.0H                                                         |     | +10.0 / -85.1                                  |       |       |       |       | +10.0 / -85.1                           |       |       |       |       |       |
| Standard table                                                   |     | BK00                                           |       |       |       |       | BK00                                    |       |       |       |       |       |
| Correction Summand                                               |     | -14.1                                          |       |       |       |       | -14.1                                   |       |       |       |       |       |
| Corrected Glare Indices referring to 700lm Total Luminous Flux   |     |                                                |       |       |       |       |                                         |       |       |       |       |       |

### Dimensional Drawing

