

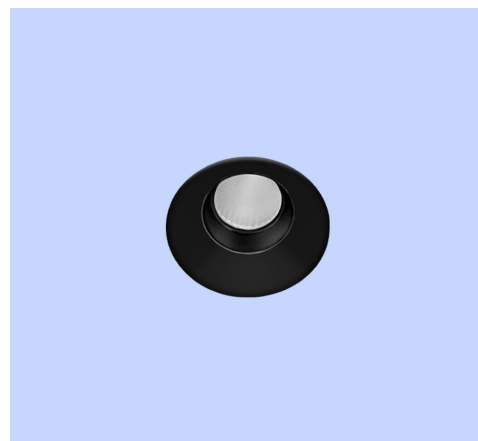
## M597EMD41LED2840-BL

**ARTEMIS (DOB) recessed round super comfort trimless downlight, Medium light distribution, 10-cm Dia., 4000K, LED2, 700 Lumens, 10W, Black**



### About Product

ARTEMIS modern recessed round super comfort (Darklight) trimless downlight luminaire is designed and manufactured by Megalite 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:   | M597EMD41LED2840-BL                                       |
| Mounting Type:               | Recessed-Gypsum false ceiling                             |
| Application:                 | Hospitality, Shopping centers, Gallery and museum, Office |
| Light source type:           | DOB LED (PF> 0.9)                                         |
| Module/ Lamp quantity:       | 1                                                         |
| CCT (Color temperature):     | 4000K - Neutral 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                                            |

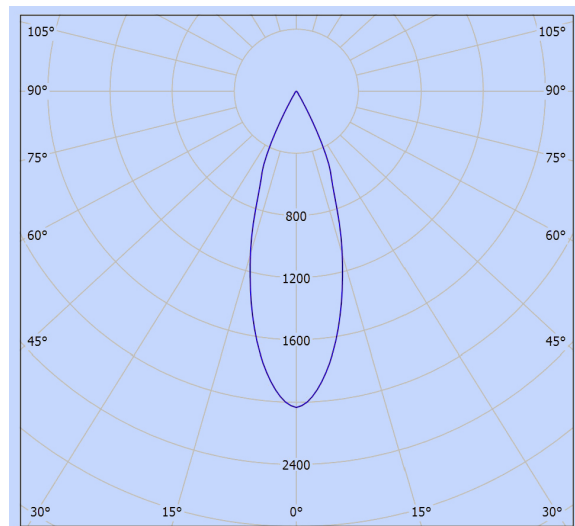
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|                                |                                                                          |
|--------------------------------|--------------------------------------------------------------------------|
| Wire cross section:            | 0.5                                                                      |
| Terminal material:             | Polyamide                                                                |
| Terminal Spec:                 | Cable looping is possible. Tool free wire connection, 3-Pole (Size: 2.5) |
| Cable Looping:                 | Yes                                                                      |
| Body Material:                 | Die-Cast aluminum                                                        |
| Body Coating:                  | Powder coated                                                            |
| Body Color:                    | Black                                                                    |
| RAL:                           | RAL9005                                                                  |
| Body Characteristic:           | Specially designed cooling feature                                       |
| Reflector Material:            | Polycarbonate                                                            |
| Reflector Coating:             | Vacuum coat                                                              |
| 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                    |
| Bracket Material:              | Sturdy powder coated high pressure die-cast aluminum                     |
| Packaging type:                | Nylon cover and carton                                                   |
| Weight(Kg):                    | 0.35                                                                     |
| Dimensions(mm):                | Ø110x95                                                                  |

## M597EMD41LED2840-BL

**ARTEMIS (DOB) recessed round super comfort trimless downlight, Medium light distribution, 10-cm Dia., 4000K, LED2, 700 Lumens, 10W, Black**

### Photometric Graph



| Glare Evaluation According to UGR                                |     |                                                   |       |       |       |       |       |                                            |       |       |       |       |  |
|------------------------------------------------------------------|-----|---------------------------------------------------|-------|-------|-------|-------|-------|--------------------------------------------|-------|-------|-------|-------|--|
| p Ceiling                                                        |     | 70                                                | 70    | 50    | 50    | 30    | 30    | 70                                         | 70    | 50    | 50    | 30    |  |
| p Walls                                                          |     | 50                                                | 30    | 50    | 30    | 30    | 30    | 50                                         | 30    | 50    | 30    | 30    |  |
| p Floor                                                          |     | 20                                                | 20    | 20    | 20    | 20    | 20    | 20                                         | 20    | 20    | 20    | 20    |  |
| Room Size<br>X Y                                                 |     | Viewing direction at right angles<br>to lamp axis |       |       |       |       |       | Viewing direction parallel<br>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 | -15.2 |  |
|                                                                  | 3H  | -15.4                                             | -14.8 | -15.1 | -14.5 | -14.3 | -15.4 | -14.8                                      | -15.1 | -14.5 | -14.3 | -15.4 |  |
|                                                                  | 4H  | -15.4                                             | -14.9 | -15.1 | -14.6 | -14.4 | -15.4 | -14.9                                      | -15.1 | -14.6 | -14.4 | -15.4 |  |
|                                                                  | 6H  | -15.5                                             | -15.0 | -15.2 | -14.7 | -14.4 | -15.5 | -15.0                                      | -15.2 | -14.7 | -14.4 | -15.5 |  |
|                                                                  | 8H  | -15.5                                             | -15.1 | -15.2 | -14.8 | -14.5 | -15.5 | -15.1                                      | -15.2 | -14.8 | -14.5 | -15.5 |  |
| 4H                                                               | 12H | -15.6                                             | -15.1 | -15.2 | -14.8 | -14.5 | -15.6 | -15.1                                      | -15.2 | -14.8 | -14.5 | -15.6 |  |
|                                                                  | 2H  | -15.4                                             | -14.9 | -15.1 | -14.6 | -14.4 | -15.4 | -14.9                                      | -15.1 | -14.6 | -14.4 | -15.4 |  |
|                                                                  | 3H  | -15.6                                             | -15.1 | -15.2 | -14.8 | -14.5 | -15.6 | -15.1                                      | -15.2 | -14.8 | -14.5 | -15.6 |  |
|                                                                  | 4H  | -15.6                                             | -15.3 | -15.3 | -14.9 | -14.6 | -15.6 | -15.3                                      | -15.3 | -14.9 | -14.6 | -15.6 |  |
|                                                                  | 6H  | -15.7                                             | -15.4 | -15.3 | -15.0 | -14.7 | -15.7 | -15.4                                      | -15.3 | -15.0 | -14.7 | -15.7 |  |
| 8H                                                               | 8H  | -15.8                                             | -15.5 | -15.4 | -15.1 | -14.7 | -15.8 | -15.5                                      | -15.4 | -15.1 | -14.7 | -15.8 |  |
|                                                                  | 12H | -15.8                                             | -15.6 | -15.4 | -15.2 | -14.7 | -15.8 | -15.6                                      | -15.4 | -15.2 | -14.7 | -15.8 |  |
|                                                                  | 4H  | -15.8                                             | -15.5 | -15.4 | -15.1 | -14.7 | -15.8 | -15.5                                      | -15.4 | -15.1 | -14.7 | -15.8 |  |
|                                                                  | 6H  | -15.9                                             | -15.6 | -15.4 | -15.2 | -14.8 | -15.9 | -15.6                                      | -15.4 | -15.2 | -14.8 | -15.9 |  |
|                                                                  | 8H  | -15.9                                             | -15.7 | -15.4 | -15.3 | -14.8 | -15.9 | -15.7                                      | -15.4 | -15.3 | -14.8 | -15.9 |  |
| 12H                                                              | 12H | -16.0                                             | -15.8 | -15.5 | -15.3 | -14.9 | -16.0 | -15.8                                      | -15.5 | -15.3 | -14.9 | -16.0 |  |
|                                                                  | 4H  | -15.8                                             | -15.6 | -15.4 | -15.2 | -14.7 | -15.8 | -15.6                                      | -15.4 | -15.2 | -14.7 | -15.8 |  |
|                                                                  | 6H  | -15.9                                             | -15.7 | -15.4 | -15.3 | -14.8 | -15.9 | -15.7                                      | -15.4 | -15.3 | -14.8 | -15.9 |  |
|                                                                  | 8H  | -16.0                                             | -15.8 | -15.5 | -15.3 | -14.9 | -16.0 | -15.8                                      | -15.5 | -15.3 | -14.9 | -16.0 |  |
|                                                                  | 12H | -16.0                                             | -15.8 | -15.5 | -15.3 | -14.9 | -16.0 | -15.8                                      | -15.5 | -15.3 | -14.9 | -16.0 |  |
| Variation of the observer position for the luminaire 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

