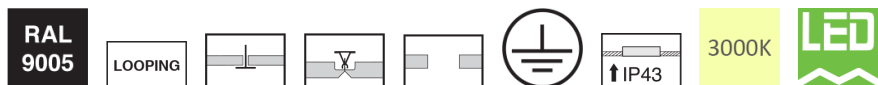


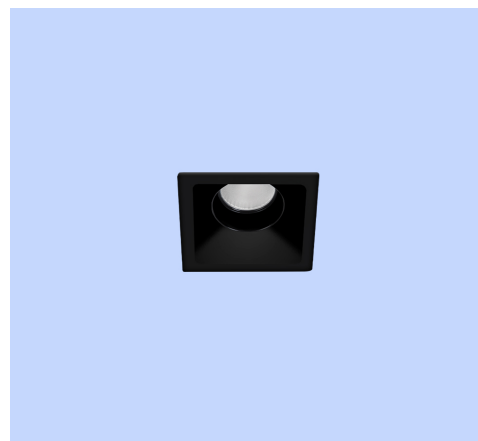
## M587EMQ101LED2830-BL

**ARTEMIS (DOB) recessed square super comfort downlight, Medium light distribution, Hole dimensions: 10\*10cm, 3000K, LED2, 700Lumens, 10W, Black**



### About Product

ARTEMIS modern recessed square super comfort (Darklight) 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:   | M587EMQ101LED2830-BL                                                                            |
| Mounting Type:               | Recessed-Gypsum false ceiling, Recessed-Concealed false ceiling, Recessed-Exposed false ceiling |
| Application:                 | Shopping centers, Gallery and museum, Office, Hospitality                                       |
| 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                                                                                  |

**M587EMQ101LED2830-BL**

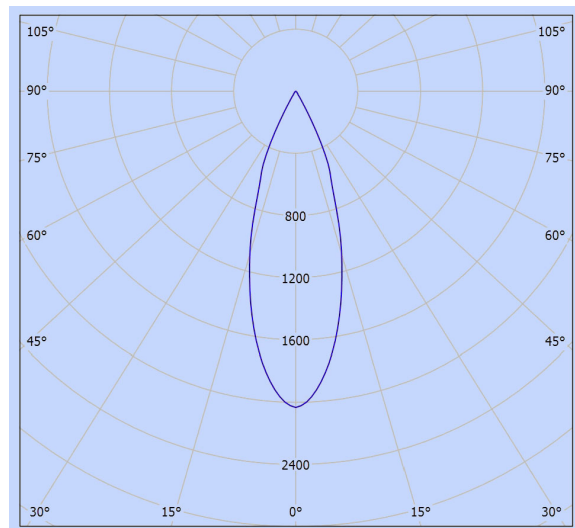
**ARTEMIS (DOB) recessed square super comfort downlight, Medium light distribution, Hole dimensions: 10\*10cm, 3000K, LED2, 700Lumens, 10W, Black**

|                                |                                                                          |
|--------------------------------|--------------------------------------------------------------------------|
| 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:                    | 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                    |
| Packaging type:                | Nylon cover and carton                                                   |
| Weight(Kg):                    | 0.3                                                                      |
| Dimensions(mm):                | 112x112x95                                                               |

## M587EMQ101LED2830-BL

**ARTEMIS (DOB) recessed square super comfort downlight, Medium light distribution, Hole dimensions: 10\*10cm, 3000K, LED2, 700Lumens, 10W, Black**

### Photometric Graph



| Glare Evaluation According to UGR                                |     |                                                   |     |     |     |     |                                            |     |     |     |     |
|------------------------------------------------------------------|-----|---------------------------------------------------|-----|-----|-----|-----|--------------------------------------------|-----|-----|-----|-----|
| p Ceiling                                                        | 70  | 70                                                | 50  | 50  | 30  | 70  | 70                                         | 50  | 50  | 30  |     |
| p Walls                                                          | 50  | 30                                                | 50  | 30  | 30  | 50  | 30                                         | 50  | 30  | 30  |     |
| p Floor                                                          | 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  | 3.4                                               | 4.0 | 3.6 | 4.2 | 4.4 | 3.4                                        | 4.0 | 3.6 | 4.2 | 4.4 |
|                                                                  | 3H  | 3.2                                               | 3.8 | 3.5 | 4.0 | 4.3 | 3.2                                        | 3.8 | 3.5 | 4.0 | 4.3 |
|                                                                  | 4H  | 3.2                                               | 3.7 | 3.5 | 4.0 | 4.2 | 3.2                                        | 3.7 | 3.5 | 4.0 | 4.2 |
|                                                                  | 6H  | 3.1                                               | 3.6 | 3.4 | 3.9 | 4.1 | 3.1                                        | 3.6 | 3.4 | 3.9 | 4.1 |
|                                                                  | 8H  | 3.0                                               | 3.5 | 3.4 | 3.8 | 4.1 | 3.0                                        | 3.5 | 3.4 | 3.8 | 4.1 |
| 4H                                                               | 12H | 3.0                                               | 3.5 | 3.3 | 3.8 | 4.1 | 3.0                                        | 3.5 | 3.3 | 3.8 | 4.1 |
|                                                                  | 2H  | 3.2                                               | 3.7 | 3.5 | 4.0 | 4.2 | 3.2                                        | 3.7 | 3.5 | 4.0 | 4.2 |
|                                                                  | 3H  | 3.0                                               | 3.5 | 3.4 | 3.8 | 4.1 | 3.0                                        | 3.5 | 3.4 | 3.8 | 4.1 |
|                                                                  | 4H  | 2.9                                               | 3.3 | 3.3 | 3.7 | 4.0 | 2.9                                        | 3.3 | 3.3 | 3.7 | 4.0 |
|                                                                  | 6H  | 2.9                                               | 3.2 | 3.3 | 3.6 | 3.9 | 2.9                                        | 3.2 | 3.3 | 3.6 | 3.9 |
| 8H                                                               | 8H  | 2.8                                               | 3.1 | 3.2 | 3.5 | 3.9 | 2.8                                        | 3.1 | 3.2 | 3.5 | 3.9 |
|                                                                  | 12H | 2.8                                               | 3.0 | 3.2 | 3.4 | 3.8 | 2.8                                        | 3.0 | 3.2 | 3.4 | 3.8 |
|                                                                  | 4H  | 2.8                                               | 3.1 | 3.2 | 3.5 | 3.9 | 2.8                                        | 3.1 | 3.2 | 3.5 | 3.9 |
|                                                                  | 6H  | 2.7                                               | 2.9 | 3.2 | 3.4 | 3.8 | 2.7                                        | 2.9 | 3.2 | 3.4 | 3.8 |
|                                                                  | 8H  | 2.7                                               | 2.9 | 3.2 | 3.3 | 3.8 | 2.7                                        | 2.9 | 3.2 | 3.3 | 3.8 |
| 12H                                                              | 12H | 2.6                                               | 2.8 | 3.1 | 3.2 | 3.7 | 2.6                                        | 2.8 | 3.1 | 3.2 | 3.7 |
|                                                                  | 4H  | 2.8                                               | 3.0 | 3.2 | 3.4 | 3.8 | 2.8                                        | 3.0 | 3.2 | 3.4 | 3.8 |
|                                                                  | 6H  | 2.7                                               | 2.9 | 3.2 | 3.3 | 3.8 | 2.7                                        | 2.9 | 3.2 | 3.3 | 3.8 |
|                                                                  | 8H  | 2.7                                               | 2.9 | 3.2 | 3.3 | 3.8 | 2.7                                        | 2.9 | 3.2 | 3.3 | 3.8 |
|                                                                  | 12H | 2.6                                               | 2.8 | 3.1 | 3.2 | 3.7 | 2.6                                        | 2.8 | 3.1 | 3.2 | 3.7 |
| 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                                                       |     | -15.4                                             |     |     |     |     | -15.4                                      |     |     |     |     |
| Summand                                                          |     |                                                   |     |     |     |     |                                            |     |     |     |     |
| Corrected Glare Indices referring to 700lm Total Luminous Flux   |     |                                                   |     |     |     |     |                                            |     |     |     |     |

### Dimensional Drawing

