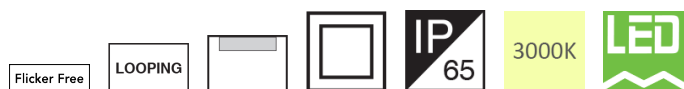


## M230E1LED2830-W

### NEPTUNE (DOB) bulkhead luminaire, 30-cm Dia., 3000K, LED2, 1100 Lumens, 16W, White



#### About Product

NEPTUNE bulkhead luminaire is designed and manufactured by Megalite for mounting on ceilings in offices, residential, and commercial buildings. Aesthetically beautiful design, uniform light distribution, and high ingress protection (IP65) are among the highlights of this luminaire.



#### Technical Information

|                              |                                     |
|------------------------------|-------------------------------------|
| Luminaire Name:              | NEPTUNE                             |
| Catalog Code/product code:   | M230E1LED2830-W                     |
| Mounting Type:               | Surface Mounted                     |
| Application:                 | Hospitality, Parking, Office        |
| Application consideration:   | suitable for Indoor/Covered Outdoor |
| Light source type:           | DOB LED (PF> 0.5)                   |
| Module/ Lamp quantity:       | 1                                   |
| CCT (Color temperature):     | 3000K - Warm White                  |
| Light source:                | LED                                 |
| LED Module brand name:       | Edison                              |
| Lumen maintenance:           | > 60000 hours                       |
| Lumen maintenance factor:    | L70                                 |
| CRI (Color rendering index): | > 80                                |
| Power Consumption:           | 16                                  |
| Luminous Flux:               | 1100                                |
| Efficacy (lm/W):             | 69                                  |
| IP (Ingress Protection):     | IP65                                |
| Insulation Class:            | Class II                            |
| FLICKER:                     | Flicker Free                        |
| Mains voltage:               | 220~240 VAC                         |

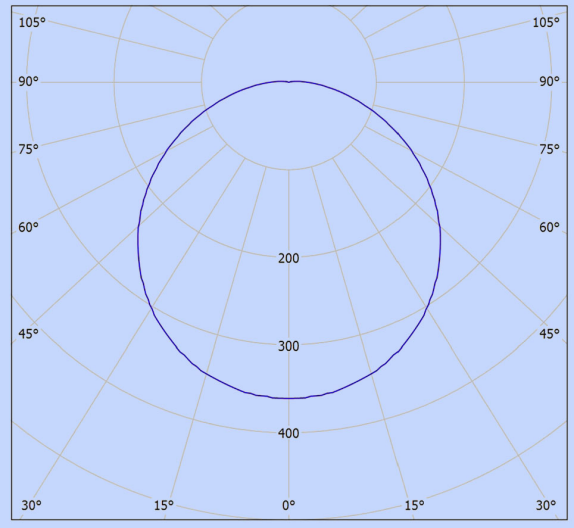
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|                          |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| Voltage Frequency:       | 50 Hz                                                                    |
| Wire / Cable Spec:       | PVC solid wire                                                           |
| Wire cross section:      | 0.5                                                                      |
| Terminal material:       | Polycarbonate                                                            |
| Terminal Spec:           | Cable looping is possible, Tool free wire connection, 2 pole (Size: 2.5) |
| Cable Looping:           | Yes                                                                      |
| Body Material:           | Polycarbonate                                                            |
| Diffuser/Glass Material: | Polycarbonate                                                            |
| Diffuser/Glass Shape:    | Satin white                                                              |
| Light Distribution:      | Uniform light distribution                                               |
| Gasket Material:         | silicon                                                                  |
| Packaging type:          | Nylon cover and carton                                                   |
| Weight(Kg):              | 0.5                                                                      |
| Dimensions(mm):          | Ø300x70                                                                  |

M230E1LED2830-W

NEPTUNE (DOB) bulkhead luminaire, 30-cm Dia., 3000K, LED2, 1100 Lumens, 16W, White

Photometric Graph



| 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<br>X Y                                                 |      | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |
| 2H                                                               | 2H   | 17.1                                              | 18.4 | 17.4 | 18.7 | 19.0 | 17.1                                       | 18.4 | 17.4 | 18.7 | 19.0 |
|                                                                  | 3H   | 18.6                                              | 19.8 | 18.9 | 20.1 | 20.4 | 18.6                                       | 19.8 | 18.9 | 20.1 | 20.4 |
|                                                                  | 4H   | 19.1                                              | 20.2 | 19.4 | 20.5 | 20.9 | 19.1                                       | 20.2 | 19.4 | 20.5 | 20.9 |
|                                                                  | 6H   | 19.4                                              | 20.5 | 19.8 | 20.9 | 21.2 | 19.4                                       | 20.5 | 19.8 | 20.9 | 21.2 |
|                                                                  | 8H   | 19.6                                              | 20.6 | 20.1 | 21.0 | 21.3 | 19.6                                       | 20.6 | 20.0 | 20.9 | 21.3 |
| 4H                                                               | 12H  | 19.7                                              | 20.6 | 20.1 | 21.0 | 21.4 | 19.7                                       | 20.6 | 20.1 | 21.0 | 21.4 |
|                                                                  | 2H   | 17.5                                              | 18.6 | 17.9 | 19.0 | 19.3 | 17.5                                       | 18.6 | 17.9 | 19.0 | 19.3 |
|                                                                  | 3H   | 19.1                                              | 20.1 | 19.5 | 20.5 | 20.9 | 19.1                                       | 20.1 | 19.5 | 20.5 | 20.9 |
|                                                                  | 4H   | 19.8                                              | 20.7 | 20.2 | 21.0 | 21.4 | 19.8                                       | 20.7 | 20.2 | 21.0 | 21.4 |
|                                                                  | 6H   | 20.3                                              | 21.0 | 20.7 | 21.4 | 21.9 | 20.3                                       | 21.0 | 20.7 | 21.4 | 21.9 |
| 8H                                                               | 8H   | 20.4                                              | 21.2 | 20.9 | 21.6 | 22.0 | 20.4                                       | 21.2 | 20.9 | 21.6 | 22.0 |
|                                                                  | 12H  | 20.6                                              | 21.2 | 21.1 | 21.7 | 22.1 | 20.6                                       | 21.2 | 21.1 | 21.7 | 22.1 |
|                                                                  | 4H   | 20.0                                              | 20.7 | 20.4 | 21.1 | 21.6 | 20.0                                       | 20.7 | 20.4 | 21.1 | 21.6 |
|                                                                  | 6H   | 20.6                                              | 21.2 | 21.1 | 21.6 | 22.1 | 20.6                                       | 21.2 | 21.1 | 21.6 | 22.1 |
|                                                                  | 8H   | 20.8                                              | 21.3 | 21.3 | 21.8 | 22.3 | 20.8                                       | 21.3 | 21.3 | 21.8 | 22.3 |
| 12H                                                              | 12H  | 21.0                                              | 21.5 | 21.5 | 22.0 | 22.5 | 21.0                                       | 21.5 | 21.5 | 22.0 | 22.5 |
|                                                                  | 4H   | 20.0                                              | 20.6 | 20.4 | 21.1 | 21.5 | 20.0                                       | 20.6 | 20.4 | 21.1 | 21.5 |
|                                                                  | 6H   | 20.6                                              | 21.1 | 21.1 | 21.6 | 22.1 | 20.6                                       | 21.1 | 21.1 | 21.6 | 22.1 |
| 8H                                                               | 20.9 | 21.3                                              | 21.4 | 21.8 | 22.4 | 20.9 | 21.3                                       | 21.4 | 21.8 | 22.4 |      |
| Variation of the observer position for the luminaire distances S |      |                                                   |      |      |      |      |                                            |      |      |      |      |
| S = 1.0H                                                         |      | +0.1 / -0.2                                       |      |      |      |      | +0.1 / -0.2                                |      |      |      |      |
| S = 1.5H                                                         |      | +0.3 / -0.4                                       |      |      |      |      | +0.3 / -0.4                                |      |      |      |      |
| S = 2.0H                                                         |      | +0.7 / -0.9                                       |      |      |      |      | +0.7 / -0.9                                |      |      |      |      |
| Standard table                                                   |      | BK05                                              |      |      |      |      | BK05                                       |      |      |      |      |
| Correction Summand                                               |      | 3.5                                               |      |      |      |      | 3.5                                        |      |      |      |      |
| Corrected Glare Indices referring to 1100lm Total Luminous Flux  |      |                                                   |      |      |      |      |                                            |      |      |      |      |

Dimensional Drawing

