Megalite

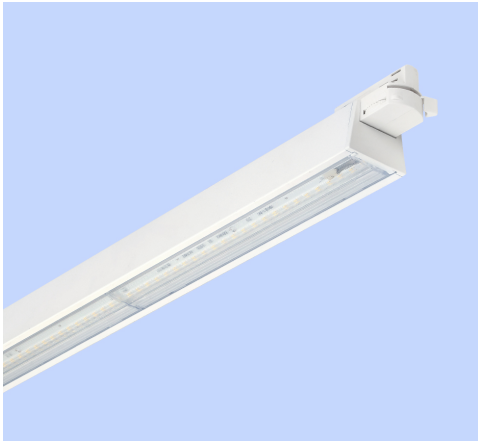
## M480DA1202LED2840-W

## LUMERIA linear track light with lens (Single-pole), Double asymmetrical light distribution, Length: 120cm, 4000K, LED2, 5700 Lumens, 47W, White

Flicker Free | RAL 9003 | ECG | IP 40 | 4000K | LED

### About Product

LUMERIA Track light luminaire is Megalite state of the art design suitable for high ceilings. LUMERIA is offered with optional lenses for symmetrical, asymmetrical, double asymmetrical, or uniform light distribution. Energy saving, glare control, and aesthetically beautiful design are among the highlights of this luminaire.



### Technical Information

| | |
|---|---|
| Luminaire Name: | LUMERIA |
| Catalog Code/product code: | M480DA1202LED2840-W |
| Mounting Type: | Track light |
| Application: | Hypermarket، Shopping centers، Gallery and museum |
| Light source type: | LED |
| Module/ Lamp quantity: | 2 |
| CCT (Color temperature): | 4000K - Neutral White |
| Light source: | LED |
| LED Module brand name: | Vossloh Schwabe |
| CRI (Color rendering index): | > 80 |
| Power Consumption: | 47 |
| Luminous Flux: | 5700 |
| Efficacy (lm/W): | 121 |
| IP (Ingress Protection): | IP40 |
| Insulation Class: | Class I |
| Ballast/ Driver: | Constant Current Driver (PF> 0.9) |
| Ballast/ Driver brand name: | Vossloh Schwabe |
| FLICKER: | Flicker Free |
| Ballast/ driver Spec: | Non-dimmable |
| Ballast/ Driver (Channel quantity): | Single channel |

## M480DA1202LED2840-W

## LUMERIA linear track light with lens (Single-pole), Double asymmetrical light distribution, Length: 120cm, 4000K, LED2, 5700 Lumens, 47W, White

| | |
|---|---|
| Mains voltage: | 198~276 VDC، 220~240 VAC±10% |
| Voltage Frequency: | 50/60 Hz ; 0 (DC) |
| Wire / Cable Spec: | GF PVC solid wire |
| Wire cross section: | 0.5 |
| Body Material: | Extruded aluminum profile |
| Body Coating: | Powder coated |
| Body Color: | White |
| RAL: | RAL9003 |
| Lens Material: | Clear polycarbonate |
| Light Distribution: | Double Asymmetrical Light Distribution |
| Packaging type: | Nylon cover and carton |
| Weight(Kg): | 1.65 |
| Dimensions(mm): | 1140x55x42 |

## M480DA1202LED2840-W

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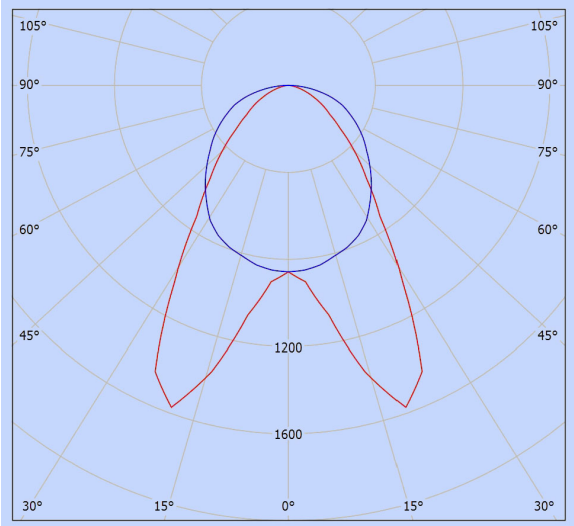
### Photometric Graph




**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 X | Y | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | 18.8 | 19.9 | 19.0 | 20.2 | 20.4 | 23.6 | 24.8 | 23.9 | 25.0 | 25.2 |
| | 3H | 19.2 | 20.3 | 19.5 | 20.5 | 20.8 | 25.0 | 26.1 | 25.4 | 26.4 | 26.6 |
| | 4H | 19.3 | 20.3 | 19.6 | 20.6 | 20.8 | 25.6 | 26.6 | 25.9 | 26.9 | 27.1 |
| | 6H | 19.3 | 20.2 | 19.7 | 20.5 | 20.8 | 25.9 | 26.9 | 26.3 | 27.2 | 27.5 |
| | 8H | 19.3 | 20.2 | 19.7 | 20.5 | 20.8 | 26.1 | 27.0 | 26.4 | 27.3 | 27.6 |
| | 12H | 19.3 | 20.1 | 19.6 | 20.4 | 20.8 | 26.2 | 27.0 | 26.5 | 27.3 | 27.7 |
| 4H | 2H | 19.6 | 20.6 | 20.0 | 20.9 | 21.2 | 23.6 | 24.6 | 24.0 | 24.9 | 25.2 |
| | 3H | 20.2 | 21.0 | 20.6 | 21.4 | 21.7 | 25.2 | 26.1 | 25.6 | 26.4 | 26.7 |
| | 4H | 20.4 | 21.1 | 20.7 | 21.5 | 21.8 | 25.8 | 26.6 | 26.2 | 26.9 | 27.3 |
| | 6H | 20.4 | 21.1 | 20.8 | 21.4 | 21.8 | 26.3 | 27.0 | 26.7 | 27.3 | 27.7 |
| | 8H | 20.4 | 21.0 | 20.8 | 21.4 | 21.8 | 26.5 | 27.1 | 26.9 | 27.5 | 27.9 |
| | 12H | 20.4 | 20.9 | 20.8 | 21.3 | 21.8 | 26.6 | 27.2 | 27.1 | 27.6 | 28.0 |
| 8H | 4H | 20.7 | 21.3 | 21.1 | 21.6 | 22.1 | 25.8 | 26.4 | 26.2 | 26.8 | 27.2 |
| | 6H | 20.8 | 21.2 | 21.2 | 21.7 | 22.1 | 26.3 | 26.8 | 26.8 | 27.2 | 27.7 |
| | 8H | 20.8 | 21.2 | 21.3 | 21.6 | 22.1 | 26.6 | 27.0 | 27.0 | 27.4 | 27.9 |
| | 12H | 20.8 | 21.1 | 21.3 | 21.6 | 22.1 | 26.7 | 27.1 | 27.2 | 27.6 | 28.1 |
| 12H | 4H | 20.7 | 21.2 | 21.1 | 21.6 | 22.1 | 25.8 | 26.3 | 26.2 | 26.7 | 27.1 |
| | 6H | 20.8 | 21.2 | 21.3 | 21.7 | 22.2 | 26.3 | 26.7 | 26.8 | 27.2 | 27.6 |
| | 8H | 20.8 | 21.2 | 21.3 | 21.7 | 22.2 | 26.5 | 26.9 | 27.0 | 27.4 | 27.9 |

Variation of the observer position for the luminaire distances S

| | | |
|---|---|---|
| S = 1.0H | +0.8 / -0.9 | +0.5 / -0.6 |
| S = 1.5H | +1.2 / -1.8 | +0.7 / -0.9 |
| S = 2.0H | +1.8 / -2.8 | +1.4 / -1.1 |
| Standard table | BK02 | BK05 |
| Correction Summand | 2.6 | 9.6 |

Corrected Glare Indices referring to 2800lm Total Luminous Flux

### Dimensional Drawing