

# OTAO LINEAR 1.2 REF BLK 830/840 MP WH

Item No: 0041823

**SYLVANIA**

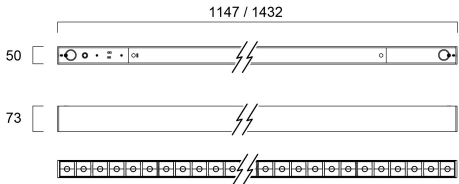
**PRO**<sup>TM</sup>



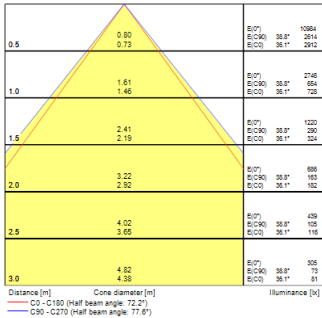
Linear LED Luminaire, RAL9003 (white) finishing, direct distribution, standard surface mounted version complete with end caps and surface brackets, additional mounting options with accessories, 50mm wide extruded aluminium profile, lenses combined with black painted reflector, ideal for offices, meeting rooms, corridors, education facilities, museums and libraries, power and CCT switch options at the back of the luminaire, colour temperature: 3000K/4000K CCT options, CRI (Ra) >80 typical, LED chromacity: 3 step MacAdam ellipse (SDCM3), non-dimmable driver, 4-steps combined dip-switch for direct and D/I light distribution, 2-steps power dip switch in direct mode (22-24W), max system power: 24W, max fixture output: 3350lm @ 4000K CCT, efficacy at max output 140lm/W, additional 2-steps power dip switch when indirect module added (34-36W), max system power in D/I combination: 36W, max fixture output: 4900lm @ 4000K CCT, efficacy at max output 136lm/W, electrical protection: Class I, IP20 ingress protection, IK03 impact resistance level, suitable for indoor environment only, lifespan: 100,000 hours L80B50, operating voltage: 220-240V / 50-60Hz, nominal size: 1147x50x73mm, shipped with through wiring.

## Technical Assets

### Dimensions (mm)



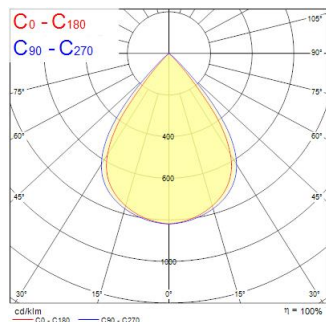
### Photometrics



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## General data

|                                  |                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| Product name                     | OTAO LINEAR 1.2 REF<br>BLK 830/840 MP WH                                                         |
| Technology                       | LED                                                                                              |
| Cap/Base                         | N/A                                                                                              |
| Housing                          | Aluminium                                                                                        |
| Mount                            | Ceiling recessed<br>mounting, Ceiling<br>surface mounting,<br>Suspended, Wall surface<br>mounted |
| Built in presence detector       | NONE                                                                                             |
| General application              | Office, Education,<br>Retail, Hospitality                                                        |
| Operating temperature range (°C) | 5°C...+50°C                                                                                      |
| Virtual assistant compatibility  | N/A                                                                                              |
| ETIM Class                       | EC002892                                                                                         |
| E-number FI                      | 4170591                                                                                          |
| Warranty                         | 5 years                                                                                          |

## Optical data

|                                 |                             |
|---------------------------------|-----------------------------|
| Fixture luminous flux (lm)      | 3350                        |
| Luminaire efficacy (lm/W)       | 140                         |
| Light colour                    | Warm White or Neutral White |
| CRI (Ra)                        | 80                          |
| Colour Variation Initial (SDCM) | SDCM3                       |
| Beam Angle (°)                  | 80                          |
| Distribution type               | Symmetric                   |
| Glare control                   | < 19                        |
| Photobiological Risk Group      | RG1                         |
| Luminous flux (emergency) (lm)  | 310                         |

## Electrical data

|                                                                       |                             |
|-----------------------------------------------------------------------|-----------------------------|
| Emergency type                                                        |                             |
| Emergency duration (h)                                                | 3                           |
| Total power consumption (W)                                           | 24                          |
| Primary Supply/Product voltage - min (V)                              | 220.0                       |
| Primary Supply/Product voltage - max (V)                              | 240.0                       |
| Lamp power factor                                                     | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x % | 15                          |
| Electrical protection                                                 | Class I                     |
| Control gear required                                                 | No                          |
| Control gear type                                                     | LED driver constant current |
| Dimmable                                                              | No                          |
| Dimming method                                                        | N/A                         |
| Drive current (mA)                                                    | 600                         |
| Inrush Current (A)                                                    | 7.2                         |
| Inrush Duration ( $\mu$ s)                                            | 190                         |
| Energy Efficiency Class (A->G) of contained light source              | D                           |
| Nominal Frequency (Hz)                                                | 50/60Hz                     |
| LED Flickering Rate                                                   | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                       | 39                          |
| Max. products per 16A C Breaker                                       | 62                          |
| Max. products per 10A B Breaker                                       | 39                          |
| Max. products per 16A B Breaker                                       | 62                          |
| Connectable conductor cross section - Min (mm <sup>2</sup> )          | 0.75                        |

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|                                                 |                         |
|-------------------------------------------------|-------------------------|
| Connectable conductor cross section - Max (mm²) | 1.5                     |
| <b>Lifetime data</b>                            |                         |
| Lifespan L70 B50                                | 100000                  |
| Lifespan L80 B50                                | 100000                  |
| Lifespan L90 B50                                | 60000                   |
| <b>Physical data</b>                            |                         |
| Housing colour                                  | RAL 9003 - Signal white |
| IP rating                                       | IP20                    |
| IK rating                                       | IK03                    |
| Diffuser finish                                 | Other                   |
| Diffuser material                               | Other                   |
| Reflector finish                                | Not Applicable          |
| Nominal Product Length (mm)                     | 1147                    |
| Nominal Product Width (mm)                      | 50                      |
| Nominal Product Height (mm)                     | 73                      |
| Weight (kg)                                     | 1.85                    |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288418230  |
| Packaging single length / height (cm) | 122.0          |
| Packaging single width (cm)           | 6.1            |
| Packaging single depth (cm)           | 7.8            |
| DUN14 (inner)                         | 15410288418237 |
| Units per outer package               | 4              |
| Packaging outer length / height (cm)  | 124.0          |
| Packaging outer width (cm)            | 14.2           |
| Packaging outer depth (cm)            | 19.4           |

## Safety data

|                                  |      |
|----------------------------------|------|
| Glow Wire Test (°C)              | 650  |
| Optimal operating condition (°C) | 5-50 |