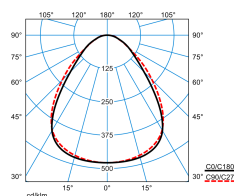
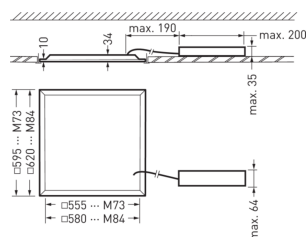


# 2330 G3 M73 PW19 36/29/ML-840 ET

## Recessed LED luminaire

TOC: 7631940



## Product description

### Luminaire type

Square recessed LED ceiling luminaire with prismatic PMMA cover. Version M73 (600 mm x 600mm).

### Applications

Offices, Corridors, Foyers, Conference rooms, Retail areas, waiting zones.

### Mounting methods

For system ceilings with exposed grids.

### Optical system

PMMA cover with microprisms. With symmetric limited wide light distribution. beam angle 81°. Glare evaluation according to UGR rating (EN 12464-1) < 19. Suitable for VDU workstations according to EN 12464-1 via limited luminance  $L \leq 3000 \text{ cd/m}^2$  for beam angle above 65° all-round. Harmonious light effect due to homogeneously illuminated light emission.

### LED system

Luminaire luminous flux adjustable in 2 steps (Multilumen). Luminaire luminous flux 2900 lm - 3600 lm, connected load 24 W - 31 W, Power Faktor  $\lambda > 0,95$ , maximum luminous efficiency of luminaire 121 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI)  $R_a > 80$ . Colour locus tolerance (initial MacAdam)  $\leq 5 \text{ SDCM}$ . Rated service life L70/B50 ( $t_q 25^\circ\text{C}$ ) = 50,000 h.

### Luminaire body

Luminaire body of aluminium. Surface coated white (similar to RAL 9016). Dimensions (L x W): 595 mm x 595 mm, luminaire height 65 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, Protection rating on room side: IP40, impact resistance level in accordance with IEC 62262: IK02, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Permissible ambient temperature ( $t_a$ ): 25 °C. Weight: 2,2 kg.

### Electrical version

With electronic control gear unit, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

Disassembly instructions (PDF) for the product available at: <https://www.trilux.com/EcoDesign>

## Product features and key data

|                                 |   |          |
|---------------------------------|---|----------|
| <b>Applications</b>             | offices corridors foyers conference rooms sales rooms waiting zones |          |
| <b>Luminaire type</b>           | Square recessed LED ceiling luminaire with prismatic PMMA cover.    |          |
| <b>Mounting method</b>          | Recessed  |          |
| <b>Luminaire optic</b>          | PMMA cover with microprisms.  |          |
| <b>Light distribution curve</b> | Wide reduced glare UGR19 (W19)                                      |          |
| <b>FWHM</b>                     | 80,60 °   |          |
| <b>Light Engine</b>             | Level 1   | Level 2  |
| <b>Colour temperature</b>       | 4000 K  | 4000 K   |
| <b>Rated luminous flux</b>      | 2900 lm   | 3600 lm  |
| <b>Connected load</b>           | 24,00 W   | 31,00 W  |
| <b>Luminous efficacy</b>        | 121 lm/W  | 116 lm/W |

## Product features and key data

|                                |  |
|--------------------------------|--|
| Rated service life             | L70 (25 °C) = 50.000 h                         |
| Colour rendering index         | 80   |
| Colour tolerance               | 5 SDCM   |
| Photobiological class          | Group 0 - no risk                              |
| Luminaire colour               | RAL9016 Traffic white                          |
| Luminaire body                 | Luminaire body of aluminium.                   |
| Electrical version             | With electronic control gear unit, switchable. |
| Wire diameter                  | 1,50 mm <sup>2</sup>                           |
| Connection method              | Plug-in terminal                               |
| Mains voltage                  | 220 - 240 V                                    |
| Mains frequency                | 50/60 Hz                                       |
| Total harmonic distortion < %  | 14 %   |
| Ingress Protection (IP) rating | IP20   |
| Protection rating on room side | IP40   |
| Protection class               | I  |
| Impact resistance (IK)         | IK02   |
| Hot wire resistance            | 650 °C   |
| Ambient temperature            | 25 °C  |
| Max. Luminaires B10            | 14   |
| Max. Luminaires B16            | 23   |
| Max. Luminaires C10            | 24   |
| Max. Luminaires C16            | 39   |
| Net length                     | 595 mm   |
| Net width                      | 595 mm   |
| Net height                     | 65 mm  |
| Recess length                  | 595 mm   |
| Recess width                   | 595 mm   |
| Recess depth                   | 190 mm   |
| Weight                         | 2,2 kg   |

## Light Engine Data

| Light Engine | Color temperature | Rated light current | Power supply value Typ | Luminous efficacy |
|--------------|-------------------|---------------------|------------------------|-------------------|
| Level 1      | 4000 K            | 2900 lm             | 24,00 W                | 121 lm/W          |
| Level 2      | 4000 K            | 3600 lm             | 31,00 W                | 116 lm/W          |

## EPREL - European Product Registry for Energy Labelling

| Energy Efficiency Class | Model identifier |
|-------------------------|------------------|
| D                       | S10229193A       |

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