

# Marketta

## 1990 R16 14500 90D

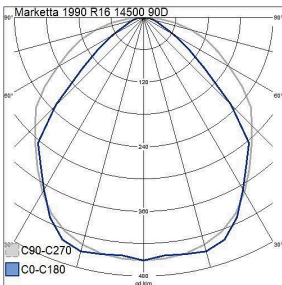
Basic batten luminaire

Energy-efficient Marketta luminaire series has been designed specifically with the lighting needs of commercial premises and stores. Marketta is also suitable for spaces where high-quality general lighting is needed. The structure of the luminaire has been optimized by minimizing the use of materials, making it as cost-effective, ecological, and lightweight as possible. The lightweight structure also makes handling and installation of the luminaire easy and effortless. Various installation kits are available; both as ready-made solutions and customized. Marketta is designed in Kerava, Finland and manufactured at the Airam factory in Lahti.

Marketta Basic batten luminaire 85W 4000K 14500lm No dim; IP20; Protection cl. I; L70B50 100000h; LED not exchangeable; Lamp included; CRI>80; Suitable for through wiring; 5x2.5mm²; Material Steel; Colour wh

Stocked: No

| 1990 R16 14500 90D |        |     |                |
|--------------------|--------|-----|----------------|
| PRODUCT CODE       | CODE   | KG  | PRODUCT FAMILY |
|                    | A3MARK | 4.8 | Marketta       |



## 1990 R16 14500 90D

EC000109 Batten luminaire

| Structure                                                                    |                                         |
|------------------------------------------------------------------------------|-----------------------------------------|
| Lamp type                                                                    | LED not exchangeable                    |
| Light source included                                                        | Yes                                     |
| Suitable for number of lamps                                                 | 1                                       |
| Lamp holder                                                                  | Other                                   |
| Material                                                                     | Steel                                   |
| Housing colour                                                               | White                                   |
| Control gear included                                                        | Yes                                     |
| Exchangeable control gear                                                    | Yes                                     |
| Energy efficiency class of light source according to EU regulation 2019/2015 | B                                       |
| Containing product according to 2019/2020/EU                                 | Yes                                     |
| With lamp protection cage                                                    | No                                      |
| Emergency power supply integrated                                            | No                                      |
| Emergency power supply system                                                | None                                    |
| Filament test according to IEC 60695-2-11                                    | 650 °C - 30 s                           |
| With switch                                                                  | No                                      |
| Electrotechnical data                                                        |                                         |
| Voltage type                                                                 | AC                                      |
| Nominal voltage (min) (V)                                                    | 220 V                                   |
| Nominal voltage (max) (V)                                                    | 240 V                                   |
| Nominal current (min) (mA)                                                   | 300 mA                                  |
| Nominal current (max) (mA)                                                   | 300 mA                                  |
| Type of control gear                                                         | LED operating device current-controlled |
| Protection class according to IEC 61140                                      | I                                       |
| Suitable for lamp power (min) (W)                                            | 85 W                                    |
| Suitable for lamp power (max) (W)                                            | 85 W                                    |
| Maximum system power (W)                                                     | 85 W                                    |
| Luminaire efficacy (lm/W)                                                    | 171 lm/W                                |
| Power factor                                                                 | 0.9                                     |

| Dimming and control                       |     |
|-------------------------------------------|-----|
| Dimmable                                  | No  |
| Dimming 0-10 V                            | No  |
| Dimming 1-10 V                            | No  |
| Dimming DALI                              | No  |
| Dimming DALI-2                            | No  |
| Dimming DMX                               | No  |
| Dimming DSI                               | No  |
| Dimming LineSwitch                        | No  |
| Dimming mains voltage modulation          | No  |
| Dimming manufacturer's proprietary system | No  |
| Dimming trailing edge                     | No  |
| Dimming leading edge                      | No  |
| Dimming potentiometer (integrated)        | No  |
| Dimming programmable                      | No  |
| Dimming RF                                | No  |
| Dimming Sine Wave Reduction               | No  |
| Dimming Touch and Dim                     | No  |
| Dimming with push-button                  | No  |
| Dimming Zigbee                            | No  |
| No dimming function                       | Yes |
| Constant luminous flux control            | No  |
| With movement sensor                      | No  |
| With presence indicator                   | No  |
| With light sensor                         | No  |
| Bluetooth operated                        | No  |
| Compatible with Apple HomeKit             | No  |
| Compatible with Google Assistant          | No  |
| Compatible with Amazon Alexa              | No  |
| Compatible with Casambi                   | No  |
| IFTTT support available                   | No  |

| Photometric data                                          |                              |
|-----------------------------------------------------------|------------------------------|
| Light distributor                                         | Diffuser<br>lens/optic/panel |
| Effective luminous flux (lm)                              | 14500 lm                     |
| Rated luminous flux according to IEC 62722-2-1 (min) (lm) | 14500 lm                     |
| Rated luminous flux according to IEC 62722-2-1 (max) (lm) | 14500 lm                     |
| Colour of light (alphanumeric)                            | White                        |
| Colour temperature (min) (K)                              | 4000 K                       |
| Colour temperature (max) (K)                              | 4000 K                       |
| Colour rendering index (CRI/Ra)                           | 80-89                        |
| Colour temperature switchable                             | No                           |
| Lumen setting adjustable                                  | No                           |
| Beam angle adjustable                                     | No                           |
| Colour consistency (McAdam ellipse)                       | SDCM3                        |

| Lifetime and capacity                                                           |          |
|---------------------------------------------------------------------------------|----------|
| Rated life time L70/B50 at 25 °C (h)                                            | 100000 h |
| Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 90 %     |
| Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)      | 5 %      |

| Mounting                                                                         |                             |
|----------------------------------------------------------------------------------|-----------------------------|
| Degree of protection (IP)                                                        | IP20                        |
| Impact strength                                                                  | IK02                        |
| Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24 | Yes                         |
| Luminaire may be covered with thermally insulating material                      | -                           |
| Suitable for emergency lighting                                                  | No                          |
| Emergency function monitoring system                                             | None                        |
| Type of wiring                                                                   | Suitable for through wiring |
| Number of poles                                                                  | 5                           |
| Conductor cross section (mm²)                                                    | 2.5 mm²                     |
| Connection type                                                                  | Screwless terminal          |
| Connectable conductor cross section (min) (mm²)                                  | 1.5 mm²                     |
| Connectable conductor cross section (max) (mm²)                                  | 2.5 mm²                     |

| Measurements      |         |
|-------------------|---------|
| Width (mm)        | 78 mm   |
| Height/depth (mm) | 64 mm   |
| Length (mm)       | 1990 mm |