

Moon

MOON IP65 45W/840 OP

Pole mount. luminaire

A classic, globular luminaire with an integrated LED for gardens and parks. The luminaire's diffuser is made of high-quality acrylic that does not turn yellow in the sunlight.

Moon Pole mount. luminaire 45W 4000K 4300lm No dim; IP65; Protection cl. I; L70B50 100000h; LED not exchangeable; CRI>80; SDCM3; Suitable for through wiring; 3x2.5mm²; Housing Plastic; Cover Plastic, opal

Stocked: No

| MOON IP65 45W/840 OP |         |    |                |
|----------------------|---------|----|----------------|
| PRODUCT CODE         | CODE    | KG | PRODUCT FAMILY |
| 4513145              | 4513145 | 5  | Moon           |



## MOON IP65 45W/840 OP

EC000062 Street lighting

| Mounting                                                                         |                             |
|----------------------------------------------------------------------------------|-----------------------------|
| Mounting method                                                                  | Post-top                    |
| Max. number of luminaires per miniature circuit breaker B16                      | 20                          |
| Max. number of luminaires per miniature circuit breaker C16                      | 33                          |
| Degree of protection (IP)                                                        | IP65                        |
| Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24 | No                          |
| Type of wiring                                                                   | Suitable for through wiring |
| Number of poles                                                                  | 3                           |
| Conductor cross section (mm <sup>2</sup> )                                       | 2.5 mm <sup>2</sup>         |
| Connectable conductor cross section (min) (mm <sup>2</sup> )                     | 1.5 mm <sup>2</sup>         |
| Connectable conductor cross section (max) (mm <sup>2</sup> )                     | 2.5 mm <sup>2</sup>         |
| Connection type                                                                  | Other                       |
| Structure                                                                        |                             |
| Lamp type                                                                        | LED not exchangeable        |
| Light source included                                                            | Yes                         |
| Suitable for number of lamps                                                     | 1                           |
| Lamp holder                                                                      | Other                       |
| Housing material                                                                 | Plastic                     |
| Surface protection                                                               | Plastic-coated              |
| Cover material                                                                   | Plastic, opal               |
| Solar powered                                                                    | No                          |
| With integrated PV panel                                                         | No                          |
| Built-in battery                                                                 | No                          |
| Suitable for off-grid power system                                               | No                          |
| Control gear included                                                            | Yes                         |
| Exchangeable control gear                                                        | Yes                         |
| Adjustable optics                                                                | No                          |
| Containing product according to 2019/2020/EU                                     | Yes                         |
| Energy efficiency class of light source according to EU regulation 2019/2015     | Not required                |
| With connection cable                                                            | No                          |
| Suitable for top end size (min) (mm)                                             | 60 mm                       |
| Suitable for top end size (max) (mm)                                             | 60 mm                       |
| Type of connection for sensor/communication module                               | None                        |

| Electrotechnical data                   |                                         |
|-----------------------------------------|-----------------------------------------|
| Voltage type                            | AC                                      |
| Nominal voltage (min) (V)               | 220 V                                   |
| Nominal voltage (max) (V)               | 240 V                                   |
| Type of control gear                    | LED operating device current-controlled |
| Protection class according to IEC 61140 | I                                       |
| Suitable for lamp power (min) (W)       | 45 W                                    |
| Suitable for lamp power (max) (W)       | 45 W                                    |
| Maximum system power (W)                | 45 W                                    |
| Luminaire efficacy (lm/W)               | 96 lm/W                                 |
| Power factor                            | 0.9                                     |

| Dimming and control                       |      |
|-------------------------------------------|------|
| Dimmable                                  | No   |
| Dimming DALI-2                            | No   |
| Dimming 0-10 V                            | No   |
| Dimming 1-10 V                            | No   |
| Dimming DALI                              | No   |
| Dimming D4i                               | No   |
| Dimming DMX                               | No   |
| Dimming DSI                               | No   |
| Dimming potentiometer (integrated)        | No   |
| Dimming LineSwitch                        | No   |
| Dimming manufacturer's proprietary system | No   |
| Dimming mains voltage modulation          | No   |
| Dimming trailing edge                     | No   |
| Dimming leading edge                      | No   |
| Dimming programmable                      | No   |
| Dimming RF                                | No   |
| Dimming Sine Wave Reduction               | No   |
| Dimming Touch and Dim                     | No   |
| Dimming Zigbee                            | No   |
| Dimming with push-button                  | No   |
| No dimming function                       | Yes  |
| Remote control                            | None |
| With wireless control                     | No   |
| Constant luminous flux control            | No   |
| With light regulation program control     | No   |
| Compatible with Apple HomeKit             | No   |
| Compatible with Google Assistant          | No   |
| Compatible with Amazon Alexa              | No   |
| IFTTT support available                   | No   |
| Zhaga-D4i certified                       | No   |
| Bluetooth operated                        | No   |
| With light sensor                         | No   |
| With movement sensor                      | No   |
| With presence indicator                   | No   |

| Photometric data                                                                |                           |
|---------------------------------------------------------------------------------|---------------------------|
| Light distributor                                                               | Diffuser lens/optic/panel |
| Colour consistency (McAdam ellipse)                                             | SDCM3                     |
| Effective luminous flux (lm)                                                    | 4300 lm                   |
| Rated luminous flux according to IEC 62722-2-1 (min) (lm)                       | 4300 lm                   |
| Rated luminous flux according to IEC 62722-2-1 (max) (lm)                       | 4300 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                     |
| Lifetime and capacity                                                           |                           |
| Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 95 %                      |
| Lumen maintenance at median useful life of 100,000 hr at 25 °C ambient (tq)     | 90 %                      |
| Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)      | 5 %                       |
| Failure rate at median useful life of 100,000 hrs at 25 °C ambient (tq)         | 10 %                      |
| Rated life time L70/B50 at 25 °C (h)                                            | 100000 h                  |
| Rated ambient temperature acc. IEC62722-2-1 (min) (°C)                          | -20 °C                    |
| Rated ambient temperature acc. IEC62722-2-1 (max) (°C)                          | 35 °C                     |
| Measurements                                                                    |                           |
| Width (mm)                                                                      | 400 mm                    |
| Height/depth (mm)                                                               | 470 mm                    |
| Length (mm)                                                                     | 400 mm                    |
| Diameter (mm)                                                                   | 400 mm                    |