

Product data sheet

Application

LED pole-top luminaire with symmetrical light distribution.

The used LED technique offers durability and optimal light output with low power consumption at the same time.

For mounting heights 4000 - 5000 mm.

Product description


Luminaire made of aluminium alloy, aluminium and stainless steel
Safety glass with optical structure
Silicone gasket
Reflector made of pure anodised aluminium
For pole top \varnothing 76 mm
Slip fitter insert depth 60 mm
Connecting cable X05BQ-F 4 x 1 \square
Cable length 6 m
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 170-280 V
Dimmable 1-10 V

SELV (safety extra-low voltage)

A basic isolation exists between power cable and control line

Luminaire: Protection class IP 65

Dust-tight and protection against water jets

Safety class II 

Impact strength IK08

Protection against mechanical

impacts < 5 joule

CE – Conformity mark

Wind catching area: 0.14 m²

Weight: 14.6 kg

Inrush current

Inrush current: 20 A / 400 μ s

Maximum number of luminaires of this type per miniature circuit breaker:

B 10A: 9 luminaires

B 16A: 15 luminaires

C 10A: 15 luminaires

C 16A: 25 luminaires

Lamp

Module connected wattage 37.8 W
Luminaire connected wattage 43.5 W
Rated temperature $t_a = 25^\circ\text{C}$
Ambient temperature $t_{a\text{ max}} = 45^\circ\text{C}$

84 401

Module designation 6x LED-0146/840
Colour temperature 4000 K
Colour rendering index $R_a > 80$
Module luminous flux 4740 lm
Luminaire luminous flux 2365 lm
Luminaire luminous efficiency 54,4 lm/W

Lifetime of the LED

Ambient temperature $t_a = 15^\circ\text{C}$
– at 50,000 h: L90 B10
– at 420,000 h: L70 B50

Ambient temperature $t_a = 25^\circ\text{C}$
– at 50,000 h: L90 B10
– at 310,000 h: L70 B50

max. ambient temperature $t_a = 45^\circ\text{C}$

– at 50,000 h: L90 B50
– at 190,000 h: L70 B50

Colour temperature 4000 K.
Also available with 3000 K on request.

Colour graphite or silver
graphite – article number
silver – article number + **A**

Tapered aluminium poles,
lacquered with access door and C-clamp

Pole with anch.section	H 4000 mm
Pole with anch.section	H 4500 mm
Pole with anch.section	H 5000 mm

Pole with baseplate	H 4000 mm
Pole with baseplate	H 4500 mm
Pole with baseplate	H 5000 mm

Cylindrical aluminium poles,
lacquered with access door and C-clamp

Pole with anch.section	H 4000 mm
Pole with anch.section	H 4500 mm
Pole with anch.section	H 5000 mm

Pole with baseplate	H 3500 mm
Pole with baseplate	H 4000 mm

Light distribution

