Delphi HP

March 2014

Delphi HP - Pole-mounted system - 3013lm 31.8W (Profile 1-4) - 3456lm 38W (Profile 2)-3863lm 44.3W (Profile 3)- Neutral White - ST1 optics

Product code:
BL77

Technical description:
Outdoor luminaire with direct light street optic for increased visual comfort (G4), designed to use LED lamps. Die-cast aluminium optical asssembly, lid and tubular element subject to phosphochromatization, double primer, passivation at 120°, grey RAL 9007 liquid paint or black texturised paint, baking at 150°. Adjustment with graduated scale of the inclination in relation to the road surface of + 15°/-5°. 4 mm thick sodium-calcium glass diffuser. Optical assembly and door fixed together by a hinge and two clips, allowing tool-free opening. High level IP66 protection is guaranteed by the 50 Shore black silicone seal interposed between the two elements. Steel door automatic retention system. Optical assembly complete with decompression valve, for easy opening by eliminating the internal vacuum. Complete with power monochromatic leds circuit in Neutral White, silver aluminium reflectors. Possibility of replacing the leds in groups of 12 in the laboratory. Power supply unit, connected with fast-coupling connectors, can be removed with clip. Driver features an automatic internal temperature control system. Driver with 4 different operating profiles without external controls, profiles (1_2_3) fixed at 100% correspond to three different output lumens and profile (4) with midnight recognition and output lumen referred to profile 1. Profiles selected with micro-switches (custom operating cycles can be set with the specific software and USB interface). Dali and 0_10V versions on request. Selv 220 - 240V ac 50/60 Hz electronic ballast. Replaceable power supply unit. The optical assembly is fixed to the wall-mounting or pole-top attachment by two fixing screws with Elicel system. Two safety bolts make it easy to fit. The light flow emitted in the upper hemisphere by the projector in the horizontal position is null (in conformity with the strictest standards for the prevention of light pollution). All external screws used are made of stainless steel. Led Life Time with residual flow at 90% (L90): 84,000 h at Ta 25°C and 51,000 h at Ta 40°C (Profile 1). Led Life Time with residual flow at 80% (L80): >100,000 h at Ta 25°C and >100,000 h at Ta 40°C. (Profile 1).

Installation:
The projector can be installed on the pole (also with arm), with single, double (ø60/ø76/ø102/ø120mm) or triple (ø102/ø120mm) pole-top or wall mounting connector. Installation on a pole may be flush with 6000 mm, 7000 mm or 8000 mm poles (from iGuzzini), or external (with poles not from iGuzzini). Versions with poles for burial and with base plate. Installation on pole with arms, made of hot galvanised steel coated with acrylic liquid paint, using a flange with ø102/ø120 mm (for all poles) or with screws (only for iGuzzini poles).

Dimension:
330 x 330mm - H 145mm

Colour:
Black (04)|Grey (15)

Weight [Kg]:
9,7

Mounting:
Poletop bottom entry|Pole-top

Wiring:
The attachment guarantees the completely safe passage of power cables, avoiding piercing. The product is powered by cables from a pre-wiring box with terminal block and 6,3 A T fuse. Resistance to mains voltage peaks up to 10KV (with varistor). Product perfect watertightness at the power cable entry point is guaranteed by the PG M24x1.5 mm cable clamp made of thermoplastic material, thrust ring and rubber gasket, achieving insulation class II.

Notes:
Standard EN60598-1 "The luminaire technical characteristics conform to EN60598-1 standards and particular requirements"

Product configuration: BL77+LED
BL77: Pole-mounted system - 3013lm 31.8W (Profile 1-4) - 3456lm 38W (Profile 2)-3863lm 44.3W (Profile 3)- Neutral White - ST1 optics
LED: Profile 01-04

Product characteristics:

Total lighting output [Lm]: 3109.69	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 31.8	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 97.79	Voltage [V]: -
Number of optical assemblies: 1	

Optical assembly Characteristics 1:

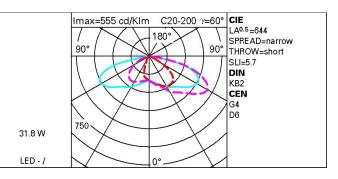|	
Light Output Ratio (L.O.R.) [%]: 100	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 4.8
Nominal power [W]: 27	Colour temperature [K]: 4000
Nominal luminous [Lm]: 3110	CRI: 70
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 63° / 76°	MacAdam Step: <4

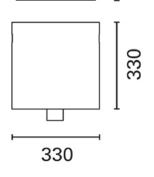Complies with EN60598-1 and pertinent regulations

Delphi HP

March 2014

Delphi HP - Pole-mounted system - 3013lm 31.8W (Profile 1-4) - 3456lm 38W (Profile 2)-3863lm 44.3W (Profile 3)- Neutral White - ST1 optics

145

330

330

Imax=555 cd/Klm   C20-200 γ=60°

180°

90°   90°

750

31.8 W

LED - /   0°

CIE
LA$^{0.5}$=644
SPREAD=narrow
THROW=short
SLI=5.7
DIN
KB2
CEN
G4
D6