



# Selenium LED

## BGP340 LED37--3S/740 PSU II DM MSP 48/60

Selenium LED, LED module 3700 lm, Power supply unit (On/Off), Distribution medium, Marine-salt protected coating, Universal for diameter 48 to 60 mm

Selenium LED is a cost-effective road lighting LED luminaire, delivering significant energy saving compared with conventional solutions. Energy savings can be further enhanced with the range of integrated control options. Selenium LED delivers high quality neutral white light with excellent uniformity using Philips LEDGINE technology. Installation and maintenance is made simple using plug connectors and drivers that are directly accessible without the use of tools.

### Product data

General Information		Lighting Technology	
Lamp family code	LED37 [LED module 3700 lm]	Lighting Technology	LED
Light source replaceable	Yes	Embedded control	-
Number of gear units	Unit	CE mark	Yes
Driver included	Yes	Warranty period	5 years
Photocell	-	Flammability mark	-
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.	ENEC mark	ENEC mark
Light source engine type	LED	Glow-wire test	Temperature 960 °C, duration 5 s
Product family code	BGP340 [Selenium LED]	EU RoHS compliant	No
		Light Technical	
		Upwards light output ratio	0
		Luminous Flux	3,254 lm
		Standard tilt angle post-top	0°
		Standard tilt angle side entry	0°
		Correlated Colour Temperature	4000 K
		Luminous efficacy (rated) (nom.)	112 lm/W

# Selenium LED

Colour rendering index (CRI)	≥70
Light source colour	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	160°
Optic type outdoor	Distribution medium

## Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	65 A
Inrush time	100 ms
Power Consumption	29 W
Power Factor (Fraction)	0.95
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	20

## Temperature

Ambient temperature range	-30 to +45 °C
---------------------------	---------------

## Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

## Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Glass
Optical cover/lens material	Glass
Fixation material	Stainless steel
Housing Colour	Aluminium and grey
Mounting device	Universal for diameter 48 to 60 mm
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	750 mm
Overall width	320 mm
Overall height	210 mm

Effective projected area	0.07 m <sup>2</sup>
Dimensions (height x width x depth)	210 x 320 x 750 mm

## Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	6/4 kV
Protection class IEC	Safety class II

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.370) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	7.5 %
Lumen maintenance at median useful life* 75000 h	L80

## Application Conditions

Performance ambient temperature Tq	25 °C
------------------------------------	-------

## Product Data

Order product name	BGP340 LED37--3S/740 PSU II DM MSP 48/60
Full product name	BGP340 LED37--3S/740 PSU II DM MSP 48/60
Full EOC	871829106434300
Order code	06434300
Material no. (12 NC)	910925438611
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718291064343
Numerator – packs per outer box	1
EAN/UPC - Case	8718291064343

# Selenium LED

## Dimensional drawing

