



OptiFlood LED – all you need for area lighting

OptiFlood LED BVP506

OptiFlood LED is a range of stylish, extremely efficient asymmetric floodlights that can be used to illuminate large areas. Designed around the latest LED technology, it offers significant energy and maintenance savings compared with conventional HID systems. Thanks to its highly efficient LEDGine area optics, it can be used for area lighting applications that have traditionally required HID-equivalent power levels. Integrated controls are available as an option, enabling additional energy savings. And LED upgrades can be easily incorporated, making this a truly future-proof solution. With its compact shape and aesthetically pleasing design, OptiFlood LED can be used in applications where design and appearance are just as important as technical performance.

Benefits

- Upgradable best-in-class optics for maximum flexibility
- Highly efficient for substantial energy savings; optional integrated controls allow additional savings
- Combination of exceptional performance and appealing compact shape for visual integration in any application

Features

- Latest LED technology on board
- LEDGine area optics
- Future-proof – easy to incorporate LED upgrades
- Integrated controls optional

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Application

- Car parks
- Shopping and pedestrian areas
- Industrial and security areas
- Perimeters
- Indoor public spaces

Specifications

Type	BVP506
Light source	Integral LED-module
Power	GreenLine (GRN): 46-110 W depending on LED configuration EconomyLine (ECO): 72-199 W depending on LED configuration
Beam angle	60° (assymetrical) or 360° (symmetrical)
Luminous flux	GreenLine: 5222-12,525 lm depending on LED configuration EconomyLine: 7292-19,987 lm depending on LED configuration
Luminaire efficacy	Up to 120 lm/W
Correlated Color	GreenLine - Neutral white: 4000 K
Temperature	EconomyLine - Cool white: 5700 K
Color Rendering Index	≥ 76, neutral white ≥ 68, cool white

Specifications

Optic	Asymmetrical area (A), symmetrical area (S), road-medium (DM), road-wide (DW), road-narrow (DN) or road-comfort (DC)
Optical cover	Glass, flat
Material	Housing: high-pressure, die-cast aluminum, non corrosive Glass: thermally hardened, 4 mm thick Clips: stainless steel Lens: clear acrylic
Color	'Raw' aluminum or ultra-dark grey (GR) Other RAL colors available on request
Connection	Screw connection block
Maintenance	Access by opening the hinged front glass No internal cleaning required
Installation	On mast head frame, ceiling, wall and floor mounting Aiming indicator ring is integrated on housing and bracket Recommended mounting height: 6 - 10 m Adjustable tilt angle: 15° Uplighting for indoor only Ambient temperature outdoor: 40°C (30°C indoor) Drag factor (Cx): 1 Max SCx value by side: 0.10 m² Max adjustment from the horizontal: - 180 to +180° Max vertical aiming: - 90 to +105°

Maintenance of lumen output - L80F10	GreenLine: 100,000 hours EconomyLine: 70,000 hours
Driver failure rate	0.05% per 5000 hours
Operating temperature range	Outdoor: -30 to +35°C Indoor: -30 to +25°C
Driver	Built-in (self ballasted LED-module)
Mains voltage	210-240 V / 50-60 Hz
Controls system input	1-10 V and DALI
Options	Dimming: Dynadimmer Photocell: Minicell, 35 lux

Cable gland	2 x M20
Accessories	Wire guard Styted pole mounting brackets (single, double, triple and quadruple) available on request

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Versions

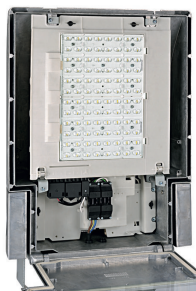
OptiFlood LED MVP506: svítidlo
pro sportoviště a plošné osvětlení



Product details



OPDP_BVP506i_0003-Detail
photo



OPDP_BVP506i_0005-Detail
photo

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Application Conditions

Maximum dim level	Not applicable
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Approval and Application

Mech. impact protection code	IK09
Surge Protection (Common/Differential)	4/4 kV

Controls and Dimming

Dimmable	No
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General Information

CE mark	CE mark
Coating	-
Light source colour	740 neutral white
Optical cover/lens type	GC
Driver included	Yes
Flammability mark	NO
Light source replaceable	Yes
Lamp version	3S
Number of gear units	1 unit
Product Family Code	BVP506

Initial Performance (IEC Compliant)

Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	70

Light Technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0

General Information

Order Code	Full Product Name	Luminaire light beam spread	Lamp family code	Number of light sources	Optic type
41782800	BVP506 GRN107-3S/740 I A GR T35	48° x 66°	GRN107	80	Asymmetrical
41805400	BVP506 GRN98-3S/740 I S GR T35	53° x 71°	GRN98	80	Symmetrical
41806100	BVP506 GRN107-3S/740 I S GR T35	53° x 71°	GRN107	80	Symmetrical
41807800	BVP506 GRN117-3S/740 I S GR T35	53° x 71°	GRN117	96	Symmetrical
41825200	BVP506 GRN117-3S/740 I DM T35	73° x 26°	GRN117	96	Distribution medium
41830600	BVP506 GRN107-3S/740 I DM GR T35	73° x 26°	GRN107	80	Distribution medium

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
41782800	BVP506 GRN107-3S/740 I A GR T35	9149 lm
41805400	BVP506 GRN98-3S/740 I S GR T35	8417 lm
41806100	BVP506 GRN107-3S/740 I S GR T35	9149 lm

Order Code	Full Product Name	Initial luminous flux
41807800	BVP506 GRN117-3S/740 I S GR T35	9942 lm
41825200	BVP506 GRN117-3S/740 I DM T35	9942 lm
41830600	BVP506 GRN107-3S/740 I DM GR T35	9149 lm

Mechanical and Housing

Order Code	Full Product Name	Colour
41782800	BVP506 GRN107-3S/740 I A GR T35	Grey
41805400	BVP506 GRN98-3S/740 I S GR T35	Grey
41806100	BVP506 GRN107-3S/740 I S GR T35	Grey

Order Code	Full Product Name	Colour
41807800	BVP506 GRN117-3S/740 I S GR T35	Grey
41825200	BVP506 GRN117-3S/740 I DM T35	Aluminium
41830600	BVP506 GRN107-3S/740 I DM GR T35	Grey

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