



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 Surge protection up to 10 kV

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 BVP506 sports and area-lighting luminaire



Product details

Easy access for electrical connection, simply by opening the front cover: no tools required



Complete hingable LEDGine system is continuously upgradable (in line with changing LED technology) for higher efficiency and savings



Best-in-class optics for maximum flexibility, and fully tool-less operations for future LEDGine and driver upgrades



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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	-
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. Colour Rendering Index	70
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Light Technical

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

General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Lamp family code	Number of light sources
41778100	BVP506 ECO151-3S/657 I A T35	48° x 66°	757 cool white	ECO151	60
41779800	BVP506 ECO166-3S/657 I A T35	48° x 66°	757 cool white	ECO166	64
41780400	BVP506 ECO181-3S/657 I A T35	48° x 66°	757 cool white	ECO181	76
41781100	BVP506 GRN98-3S/740 I A GR T35	48° x 66°	740 neutral white	GRN98	80
41782800	BVP506 GRN107-3S/740 I A GR T35	48° x 66°	740 neutral white	GRN107	80
41785900	BVP506 ECO166-3S/657 I A GR T35	48° x 66°	757 cool white	ECO166	64
41786600	BVP506 ECO181-3S/657 I A GR T35	48° x 66°	757 cool white	ECO181	76
41793400	BVP506 GRN98-3S/740 II A GR T35	48° x 66°	740 neutral white	GRN98	80
41794100	BVP506 GRN107-3S/740 II A GR T35	48° x 66°	740 neutral white	GRN107	80
41795800	BVP506 GRN117-3S/740 II A GR T35	48° x 66°	740 neutral white	GRN117	96
41796500	BVP506 ECO151-3S/657 II A GR T35	48° x 66°	757 cool white	ECO151	60
41797200	BVP506 ECO166-3S/657 II A GR T35	48° x 66°	757 cool white	ECO166	64
41798900	BVP506 ECO181-3S/657 II A GR T35	48° x 66°	757 cool white	ECO181	76
41802300	BVP506 ECO151-3S/657 I S T35	53° x 71°	757 cool white	ECO151	60
41805400	BVP506 GRN98-3S/740 I S GR T35	53° x 71°	740 neutral white	GRN98	80
41806100	BVP506 GRN107-3S/740 I S GR T35	53° x 71°	740 neutral white	GRN107	80
41807800	BVP506 GRN117-3S/740 I S GR T35	53° x 71°	740 neutral white	GRN117	96
41808500	BVP506 ECO151-3S/657 I S GR T35	53° x 71°	757 cool white	ECO151	60
41809200	BVP506 ECO166-3S/657 I S GR T35	53° x 71°	757 cool white	ECO166	64
41810800	BVP506 ECO181-3S/657 I S GR T35	53° x 71°	757 cool white	ECO181	76
41817700	BVP506 GRN98-3S/740 II S GR T35	53° x 71°	740 neutral white	GRN98	80
41818400	BVP506 GRN107-3S/740 II S GR T35	53° x 71°	740 neutral white	GRN107	80
41819100	BVP506 GRN117-3S/740 II S GR T35	53° x 71°	740 neutral white	GRN117	96
41820700	BVP506 ECO151-3S/657 II S GR T35	53° x 71°	757 cool white	ECO151	60
41821400	BVP506 ECO166-3S/657 II S GR T35	53° x 71°	757 cool white	ECO166	64
41822100	BVP506 ECO181-3S/657 II S GR T35	53° x 71°	757 cool white	ECO181	76

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Lamp family code	Number of light sources
41824500	BVP506 GRN107-3S/740 I DM T35	73° x 26°	740 neutral white	GRN107	80
41825200	BVP506 GRN117-3S/740 I DM T35	73° x 26°	740 neutral white	GRN117	96
41826900	BVP506 ECO151-3S/657 I DM T35	73° x 26°	757 cool white	ECO151	60
41829000	BVP506 GRN98-3S/740 I DM GR T35	73° x 26°	740 neutral white	GRN98	80
41830600	BVP506 GRN107-3S/740 I DM GR T35	73° x 26°	740 neutral white	GRN107	80
41832000	BVP506 ECO151-3S/657 I DM GR T35	73° x 26°	757 cool white	ECO151	60
41833700	BVP506 ECO166-3S/657 I DM GR T35	73° x 26°	757 cool white	ECO166	64
41834400	BVP506 ECO181-3S/657 I DM GR T35	73° x 26°	757 cool white	ECO181	76
41841200	BVP506 GRN98-3S/740 II DM GR T35	73° x 26°	740 neutral white	GRN98	80
41842900	BVP506 GRN107-3S/740 II DM GR T35	73° x 26°	740 neutral white	GRN107	80
41844300	BVP506 ECO151-3S/657 II DM GR T35	73° x 26°	757 cool white	ECO151	60
41845000	BVP506 ECO166-3S/657 II DM GR T35	73° x 26°	757 cool white	ECO166	64
41846700	BVP506 ECO181-3S/657 II DM GR T35	73° x 26°	757 cool white	ECO181	76
42219800	BVP506 ECO170-3S/740 I A T35	48° x 66°	740 neutral white	ECO170	68
42220400	BVP506 ECO142-3S/740 I A T35	48° x 66°	740 neutral white	ECO142	56
42221100	BVP506 ECO113-3S/740 I A T35	48° x 66°	740 neutral white	ECO113	48

General Information (2/2)

Order Code	Full Product Name	Optic type	Order Code	Full Product Name	Optic type
41778100	BVP506 ECO151-3S/657 I A T35	Asymmetrical	41806100	BVP506 GRN107-3S/740 I S GR T35	Symmetrical
41779800	BVP506 ECO166-3S/657 I A T35	Asymmetrical	41807800	BVP506 GRN117-3S/740 I S GR T35	Symmetrical
41780400	BVP506 ECO181-3S/657 I A T35	Asymmetrical	41808500	BVP506 ECO151-3S/657 I S GR T35	Symmetrical
41781100	BVP506 GRN98-3S/740 I A GR T35	Asymmetrical	41809200	BVP506 ECO166-3S/657 I S GR T35	Symmetrical
41782800	BVP506 GRN107-3S/740 I A GR T35	Asymmetrical	41810800	BVP506 ECO181-3S/657 I S GR T35	Symmetrical
41785900	BVP506 ECO166-3S/657 I A GR T35	Asymmetrical	41817700	BVP506 GRN98-3S/740 II S GR T35	Symmetrical
41786600	BVP506 ECO181-3S/657 I A GR T35	Asymmetrical	41818400	BVP506 GRN107-3S/740 II S GR T35	Symmetrical
41793400	BVP506 GRN98-3S/740 II A GR T35	Asymmetrical	41819100	BVP506 GRN117-3S/740 II S GR T35	Symmetrical
41794100	BVP506 GRN107-3S/740 II A GR T35	Asymmetrical	41820700	BVP506 ECO151-3S/657 II S GR T35	Symmetrical
41795800	BVP506 GRN117-3S/740 II A GR T35	Asymmetrical	41821400	BVP506 ECO166-3S/657 II S GR T35	Symmetrical
41796500	BVP506 ECO151-3S/657 II A GR T35	Asymmetrical	41822100	BVP506 ECO181-3S/657 II S GR T35	Symmetrical
41797200	BVP506 ECO166-3S/657 II A GR T35	Asymmetrical	41824500	BVP506 GRN107-3S/740 I DM T35	Distribution medium
41798900	BVP506 ECO181-3S/657 II A GR T35	Asymmetrical	41825200	BVP506 GRN117-3S/740 I DM T35	Distribution medium
41802300	BVP506 ECO151-3S/657 I S T35	Symmetrical	41826900	BVP506 ECO151-3S/657 I DM T35	Distribution medium
41805400	BVP506 GRN98-3S/740 I S GR T35	Symmetrical	41829000	BVP506 GRN98-3S/740 I DM GR T35	Distribution medium

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Order Code	Full Product Name	Optic type
41830600	BVP506 GRN107-3S/740 I DM GR T35	Distribution medium
41832000	BVP506 ECO151-3S/657 I DM GR T35	Distribution medium
41833700	BVP506 ECO166-3S/657 I DM GR T35	Distribution medium
41834400	BVP506 ECO181-3S/657 I DM GR T35	Distribution medium
41841200	BVP506 GRN98-3S/740 II DM GR T35	Distribution medium
41842900	BVP506 GRN107-3S/740 II DM GR T35	Distribution medium

Order Code	Full Product Name	Optic type
41844300	BVP506 ECO151-3S/657 II DM GR T35	Distribution medium
41845000	BVP506 ECO166-3S/657 II DM GR T35	Distribution medium
41846700	BVP506 ECO181-3S/657 II DM GR T35	Distribution medium
42219800	BVP506 ECO170-3S/740 I A T35	Asymmetrical
42220400	BVP506 ECO142-3S/740 I A T35	Asymmetrical
42221100	BVP506 ECO113-3S/740 I A T35	Asymmetrical

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux
41778100	BVP506 ECO151-3S/657 I A T35	5700 K	13159 lm
41779800	BVP506 ECO166-3S/657 I A T35	5700 K	14380 lm
41780400	BVP506 ECO181-3S/657 I A T35	5700 K	15615 lm
41781100	BVP506 GRN98-3S/740 I A GR T35	4000 K	8417 lm
41782800	BVP506 GRN107-3S/740 I A GR T35	4000 K	9149 lm
41785900	BVP506 ECO166-3S/657 I A GR T35	5700 K	14380 lm
41786600	BVP506 ECO181-3S/657 I A GR T35	5700 K	15615 lm
41793400	BVP506 GRN98-3S/740 II A GR T35	4000 K	8417 lm
41794100	BVP506 GRN107-3S/740 II A GR T35	4000 K	9149 lm
41795800	BVP506 GRN117-3S/740 II A GR T35	4000 K	9942 lm
41796500	BVP506 ECO151-3S/657 II A GR T35	5700 K	13159 lm
41797200	BVP506 ECO166-3S/657 II A GR T35	5700 K	14380 lm
41798900	BVP506 ECO181-3S/657 II A GR T35	5700 K	15615 lm
41802300	BVP506 ECO151-3S/657 I S T35	5700 K	13159 lm
41805400	BVP506 GRN98-3S/740 I S GR T35	4000 K	8417 lm
41806100	BVP506 GRN107-3S/740 I S GR T35	4000 K	9149 lm
41807800	BVP506 GRN117-3S/740 I S GR T35	4000 K	9942 lm
41808500	BVP506 ECO151-3S/657 I S GR T35	5700 K	13159 lm
41809200	BVP506 ECO166-3S/657 I S GR T35	5700 K	14380 lm
41810800	BVP506 ECO181-3S/657 I S GR T35	5700 K	15615 lm
41817700	BVP506 GRN98-3S/740 II S GR T35	4000 K	8417 lm
41818400	BVP506 GRN107-3S/740 II S GR T35	4000 K	9149 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux
41819100	BVP506 GRN117-3S/740 II S GR T35	4000 K	9942 lm
41820700	BVP506 ECO151-3S/657 II S GR T35	5700 K	13159 lm
41821400	BVP506 ECO166-3S/657 II S GR T35	5700 K	14380 lm
41822100	BVP506 ECO181-3S/657 II S GR T35	5700 K	15615 lm
41824500	BVP506 GRN107-3S/740 I DM T35	4000 K	9149 lm
41825200	BVP506 GRN117-3S/740 I DM T35	4000 K	9942 lm
41826900	BVP506 ECO151-3S/657 I DM T35	5700 K	13159 lm
41829000	BVP506 GRN98-3S/740 I DM GR T35	4000 K	8417 lm
41830600	BVP506 GRN107-3S/740 I DM GR T35	4000 K	9149 lm
41832000	BVP506 ECO151-3S/657 I DM GR T35	5700 K	13159 lm
41833700	BVP506 ECO166-3S/657 I DM GR T35	5700 K	14380 lm
41834400	BVP506 ECO181-3S/657 I DM GR T35	5700 K	15615 lm
41841200	BVP506 GRN98-3S/740 II DM GR T35	4000 K	8417 lm
41842900	BVP506 GRN107-3S/740 II DM GR T35	4000 K	9149 lm
41844300	BVP506 ECO151-3S/657 II DM GR T35	5700 K	13159 lm
41845000	BVP506 ECO166-3S/657 II DM GR T35	5700 K	14380 lm
41846700	BVP506 ECO181-3S/657 II DM GR T35	5700 K	15615 lm
42219800	BVP506 ECO170-3S/740 I A T35	4000 K	14702 lm
42220400	BVP506 ECO142-3S/740 I A T35	4000 K	12459 lm
42221100	BVP506 ECO113-3S/740 I A T35	4000 K	9988 lm

Mechanical and Housing

Order Code	Full Product Name	Colour
41778100	BVP506 ECO151-3S/657 I A T35	Aluminum
41779800	BVP506 ECO166-3S/657 I A T35	Aluminum
41780400	BVP506 ECO181-3S/657 I A T35	Aluminum
41781100	BVP506 GRN98-3S/740 I A GR T35	Gray
41782800	BVP506 GRN107-3S/740 I A GR T35	Gray

Order Code	Full Product Name	Colour
41785900	BVP506 ECO166-3S/657 I A GR T35	Gray
41786600	BVP506 ECO181-3S/657 I A GR T35	Gray
41793400	BVP506 GRN98-3S/740 II A GR T35	Gray
41794100	BVP506 GRN107-3S/740 II A GR T35	Gray
41795800	BVP506 GRN117-3S/740 II A GR T35	Gray

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Order Code	Full Product Name	Colour	Order Code	Full Product Name	Colour
41796500	BVP506 ECO151-3S/657 II A GR T35	Gray	41824500	BVP506 GRN107-3S/740 I DM T35	Aluminum
41797200	BVP506 ECO166-3S/657 II A GR T35	Gray	41825200	BVP506 GRN117-3S/740 I DM T35	Aluminum
41798900	BVP506 ECO181-3S/657 II A GR T35	Gray	41826900	BVP506 ECO151-3S/657 I DM T35	Aluminum
41802300	BVP506 ECO151-3S/657 I S T35	Aluminum	41829000	BVP506 GRN98-3S/740 I DM GR T35	Gray
41805400	BVP506 GRN98-3S/740 I S GR T35	Gray	41830600	BVP506 GRN107-3S/740 I DM GR T35	Gray
41806100	BVP506 GRN107-3S/740 I S GR T35	Gray	41832000	BVP506 ECO151-3S/657 I DM GR T35	Gray
41807800	BVP506 GRN117-3S/740 I S GR T35	Gray	41833700	BVP506 ECO166-3S/657 I DM GR T35	Gray
41808500	BVP506 ECO151-3S/657 I S GR T35	Gray	41834400	BVP506 ECO181-3S/657 I DM GR T35	Gray
41809200	BVP506 ECO166-3S/657 I S GR T35	Gray	41841200	BVP506 GRN98-3S/740 II DM GR T35	Gray
41810800	BVP506 ECO181-3S/657 I S GR T35	Gray	41842900	BVP506 GRN107-3S/740 II DM GR T35	Gray
41817700	BVP506 GRN98-3S/740 II S GR T35	Gray	41844300	BVP506 ECO151-3S/657 II DM GR T35	Gray
41818400	BVP506 GRN107-3S/740 II S GR T35	Gray	41845000	BVP506 ECO166-3S/657 II DM GR T35	Gray
41819100	BVP506 GRN117-3S/740 II S GR T35	Gray	41846700	BVP506 ECO181-3S/657 II DM GR T35	Gray
41820700	BVP506 ECO151-3S/657 II S GR T35	Gray	42219800	BVP506 ECO170-3S/740 I A T35	Aluminum
41821400	BVP506 ECO166-3S/657 II S GR T35	Gray	42220400	BVP506 ECO142-3S/740 I A T35	Aluminum
41822100	BVP506 ECO181-3S/657 II S GR T35	Gray	42221100	BVP506 ECO113-3S/740 I A T35	Aluminum

