



# 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

# OptiFlood LED BVP506

## Application

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

## Specifications

<b>Type</b>	BVP506
<b>Light source</b>	Integral LED-module
<b>Power</b>	GreenLine (GRN): 46-110 W depending on LED configuration EconomyLine (ECO): 72-199 W depending on LED configuration
<b>Beam angle</b>	60° (assymetrical) or 360° (symmetrical)
<b>Luminous flux</b>	GreenLine: 5222-12,525 lm depending on LED configuration EconomyLine: 7292-19,987 lm depending on LED configuration
<b>Luminaire efficacy</b>	Up to 120 lm/W
<b>Correlated Color</b>	GreenLine - Neutral white: 4000 K
<b>Temperature</b>	EconomyLine - Cool white: 5700 K
<b>Color Rendering Index</b>	≥ 76, neutral white ≥ 68, cool white
<b>Lumen maintenance at median useful life* 100000 h</b>	GreenLine: min L80
<b>Lumen maintenance at median useful life* 75000 h</b>	EconomyLine: min L80

## Specifications

<b>Optic</b>	Asymmetrical area (A), symmetrical area (S), road-medium (DM), road-wide (DW), road-narrow (DN) or road-comfort (DC)
<b>Optical cover</b>	Glass, flat
<b>Material</b>	Housing: high-pressure, die-cast aluminum, non corrosive Glass: thermally hardened, 4 mm thick Clips: stainless steel Lens: clear acrylic
<b>Color</b>	'Raw' aluminum or ultra-dark grey (GR) Other RAL colors available on request
<b>Connection</b>	Screw connection block
<b>Maintenance</b>	Access by opening the hinged front glass No internal cleaning required
<b>Installation</b>	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°

<b>Control gear failure rate at median useful life 100000 h</b>	GreenLine: 10%
<b>Control gear failure rate at median useful life 75000 h</b>	EconomyLine: 7.5%
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Driver failure rate</b>	0.05% per 5000 hours
<b>Operating temperature range</b>	Outdoor: -30 to +35 °C Indoor: -30 to +25 °C
<b>Driver</b>	Built-in (self ballasted LED-module)
<b>Mains voltage</b>	210-240 V / 50-60 Hz
<b>Controls system input</b>	1-10 V and DALI
<b>Options</b>	Dimming: Dynadimmer Photocell: Minicell, 35 lux Surge protection up to 10 kV

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

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## Versions

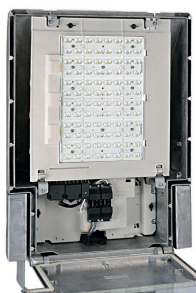
OptiFlood LED MVP506: svítidlo  
pro sportoviště a plošné osvětlení



## Product details



OPDP\_BVP506i\_0003-Detail  
photo



OPDP\_BVP506i\_0005-Detail  
photo

# OptiFlood LED BVP506

## 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. Color 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 color	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 color	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. Color 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. Color 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	Color
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	Color
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

## OptiFlood LED BVP506

Order Code	Full Product Name	Color
41796500	BVP506 ECO151-3S/657 II A GR T35	Gray
41797200	BVP506 ECO166-3S/657 II A GR T35	Gray
41798900	BVP506 ECO181-3S/657 II A GR T35	Gray
41802300	BVP506 ECO151-3S/657 I S T35	Aluminum
41805400	BVP506 GRN98-3S/740 I S GR T35	Gray
41806100	BVP506 GRN107-3S/740 I S GR T35	Gray
41807800	BVP506 GRN117-3S/740 I S GR T35	Gray
41808500	BVP506 ECO151-3S/657 I S GR T35	Gray
41809200	BVP506 ECO166-3S/657 I S GR T35	Gray
41810800	BVP506 ECO181-3S/657 I S GR T35	Gray
41817700	BVP506 GRN98-3S/740 II S GR T35	Gray
41818400	BVP506 GRN107-3S/740 II S GR T35	Gray
41819100	BVP506 GRN117-3S/740 II S GR T35	Gray
41820700	BVP506 ECO151-3S/657 II S GR T35	Gray
41821400	BVP506 ECO166-3S/657 II S GR T35	Gray
41822100	BVP506 ECO181-3S/657 II S GR T35	Gray

Order Code	Full Product Name	Color
41824500	BVP506 GRN107-3S/740 I DM T35	Aluminum
41825200	BVP506 GRN117-3S/740 I DM T35	Aluminum
41826900	BVP506 ECO151-3S/657 I DM T35	Aluminum
41829000	BVP506 GRN98-3S/740 I DM GR T35	Gray
41830600	BVP506 GRN107-3S/740 I DM GR T35	Gray
41832000	BVP506 ECO151-3S/657 I DM GR T35	Gray
41833700	BVP506 ECO166-3S/657 I DM GR T35	Gray
41834400	BVP506 ECO181-3S/657 I DM GR T35	Gray
41841200	BVP506 GRN98-3S/740 II DM GR T35	Gray
41842900	BVP506 GRN107-3S/740 II DM GR T35	Gray
41844300	BVP506 ECO151-3S/657 II DM GR T35	Gray
41845000	BVP506 ECO166-3S/657 II DM GR T35	Gray
41846700	BVP506 ECO181-3S/657 II DM GR T35	Gray
42219800	BVP506 ECO170-3S/740 I A T35	Aluminum
42220400	BVP506 ECO142-3S/740 I A T35	Aluminum
42221100	BVP506 ECO113-3S/740 I A T35	Aluminum

