



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
Lumen maintenance at median useful life* 100000 h	GreenLine: min L80
Lumen maintenance at median useful life* 75000 h	EconomyLine: min L80

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°

Control gear failure rate at median useful life 100000 h	GreenLine: 10%
Control gear failure rate at median useful life 75000 h	EconomyLine: 7.5%
Performance Ambient Temperature Tq	+25 °C
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

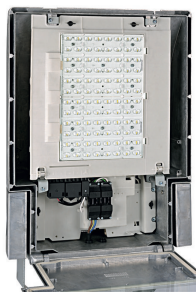
OptiFlood LED BVP506 sports and
area-lighting luminaire



Product details



OPDP_BVP506i_0003-Detail
photo



OPDP_BVP506i_0005-Detail
photo

OptiFlood LED BVP506

Application Conditions	
Maximum dim level	Not applicable
Approval and Application	
Mech. impact protection code	IK09
Surge Protection (Common/Differential)	4/4 kV
Controls and Dimming	
Dimmable	No
General Information	
CE mark	CE mark
Coating	-
Optical cover/lens type	Clear glass
Driver included	Yes
Flammability mark	-
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
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
910925439353	BVP506 ECO151-3S/657 I A T35	48° x 66°	757 cool white	ECO151	60 pcs
910925439354	BVP506 ECO166-3S/657 I A T35	48° x 66°	757 cool white	ECO166	64 pcs
910925439355	BVP506 ECO181-3S/657 I A T35	48° x 66°	757 cool white	ECO181	76 pcs
910925439356	BVP506 GRN98-3S/740 I A GR T35	48° x 66°	740 neutral white	GRN98	80 pcs
910925439357	BVP506 GRN107-3S/740 I A GR T35	48° x 66°	740 neutral white	GRN107	80 pcs
910925439360	BVP506 ECO166-3S/657 I A GR T35	48° x 66°	757 cool white	ECO166	64 pcs
910925439361	BVP506 ECO181-3S/657 I A GR T35	48° x 66°	757 cool white	ECO181	76 pcs
910925439368	BVP506 GRN98-3S/740 II A GR T35	48° x 66°	740 neutral white	GRN98	80 pcs
910925439369	BVP506 GRN107-3S/740 II A GR T35	48° x 66°	740 neutral white	GRN107	80 pcs
910925439370	BVP506 GRN117-3S/740 II A GR T35	48° x 66°	740 neutral white	GRN117	96 pcs
910925439371	BVP506 ECO151-3S/657 II A GR T35	48° x 66°	757 cool white	ECO151	60 pcs
910925439372	BVP506 ECO166-3S/657 II A GR T35	48° x 66°	757 cool white	ECO166	64 pcs
910925439373	BVP506 ECO181-3S/657 II A GR T35	48° x 66°	757 cool white	ECO181	76 pcs
910925439377	BVP506 ECO151-3S/657 I S T35	53° x 71°	757 cool white	ECO151	60 pcs
910925439380	BVP506 GRN98-3S/740 I S GR T35	53° x 71°	740 neutral white	GRN98	80 pcs
910925439381	BVP506 GRN107-3S/740 I S GR T35	53° x 71°	740 neutral white	GRN107	80 pcs
910925439382	BVP506 GRN117-3S/740 I S GR T35	53° x 71°	740 neutral white	GRN117	96 pcs
910925439383	BVP506 ECO151-3S/657 I S GR T35	53° x 71°	757 cool white	ECO151	60 pcs
910925439384	BVP506 ECO166-3S/657 I S GR T35	53° x 71°	757 cool white	ECO166	64 pcs
910925439385	BVP506 ECO181-3S/657 I S GR T35	53° x 71°	757 cool white	ECO181	76 pcs
910925439392	BVP506 GRN98-3S/740 II S GR T35	53° x 71°	740 neutral white	GRN98	80 pcs
910925439393	BVP506 GRN107-3S/740 II S GR T35	53° x 71°	740 neutral white	GRN107	80 pcs
910925439394	BVP506 GRN117-3S/740 II S GR T35	53° x 71°	740 neutral white	GRN117	96 pcs
910925439395	BVP506 ECO151-3S/657 II S GR T35	53° x 71°	757 cool white	ECO151	60 pcs

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Order Code	Full Product Name	Luminaire light beam spread	Light source color	Lamp family code	Number of light sources
910925439396	BVP506 ECO166-3S/657 II S GR T35	53° x 71°	757 cool white	ECO166	64 pcs
910925439397	BVP506 ECO181-3S/657 II S GR T35	53° x 71°	757 cool white	ECO181	76 pcs
910925439399	BVP506 GRN107-3S/740 I DM T35	73° x 26°	740 neutral white	GRN107	80 pcs
910925439401	BVP506 GRN117-3S/740 I DM T35	73° x 26°	740 neutral white	GRN117	96 pcs
910925439402	BVP506 ECO151-3S/657 I DM T35	73° x 26°	757 cool white	ECO151	60 pcs
910925439405	BVP506 GRN98-3S/740 I DM GR T35	73° x 26°	740 neutral white	GRN98	80 pcs
910925439406	BVP506 GRN107-3S/740 I DM GR T35	73° x 26°	740 neutral white	GRN107	80 pcs
910925439408	BVP506 ECO151-3S/657 I DM GR T35	73° x 26°	757 cool white	ECO151	60 pcs
910925439409	BVP506 ECO166-3S/657 I DM GR T35	73° x 26°	757 cool white	ECO166	64 pcs
910925439410	BVP506 ECO181-3S/657 I DM GR T35	73° x 26°	757 cool white	ECO181	76 pcs
910925439417	BVP506 GRN98-3S/740 II DM GR T35	73° x 26°	740 neutral white	GRN98	80 pcs
910925439418	BVP506 GRN107-3S/740 II DM GR T35	73° x 26°	740 neutral white	GRN107	80 pcs
910925439420	BVP506 ECO151-3S/657 II DM GR T35	73° x 26°	757 cool white	ECO151	60 pcs
910925439421	BVP506 ECO166-3S/657 II DM GR T35	73° x 26°	757 cool white	ECO166	64 pcs
910925439422	BVP506 ECO181-3S/657 II DM GR T35	73° x 26°	757 cool white	ECO181	76 pcs
910925439432	BVP506 ECO170-3S/740 I A T35	48° x 66°	740 neutral white	ECO170	68 pcs
910925439433	BVP506 ECO142-3S/740 I A T35	48° x 66°	740 neutral white	ECO142	56 pcs
910925439434	BVP506 ECO113-3S/740 I A T35	48° x 66°	740 neutral white	ECO113	48 pcs

General Information (2/2)

Order Code	Full Product Name	Optic type	Order Code	Full Product Name	Optic type
910925439353	BVP506 ECO151-3S/657 I A T35	Asymmetrical	910925439371	BVP506 ECO151-3S/657 II A GR T35	Asymmetrical
910925439354	BVP506 ECO166-3S/657 I A T35	Asymmetrical	910925439372	BVP506 ECO166-3S/657 II A GR T35	Asymmetrical
910925439355	BVP506 ECO181-3S/657 I A T35	Asymmetrical	910925439373	BVP506 ECO181-3S/657 II A GR T35	Asymmetrical
910925439356	BVP506 GRN98-3S/740 I A GR T35	Asymmetrical	910925439377	BVP506 ECO151-3S/657 I S T35	Symmetrical
910925439357	BVP506 GRN107-3S/740 I A GR T35	Asymmetrical	910925439380	BVP506 GRN98-3S/740 I S GR T35	Symmetrical
910925439360	BVP506 ECO166-3S/657 I A GR T35	Asymmetrical	910925439381	BVP506 GRN107-3S/740 I S GR T35	Symmetrical
910925439361	BVP506 ECO181-3S/657 I A GR T35	Asymmetrical	910925439382	BVP506 GRN117-3S/740 I S GR T35	Symmetrical
910925439368	BVP506 GRN98-3S/740 II A GR T35	Asymmetrical	910925439383	BVP506 ECO151-3S/657 I S GR T35	Symmetrical
910925439369	BVP506 GRN107-3S/740 II A GR T35	Asymmetrical	910925439384	BVP506 ECO166-3S/657 I S GR T35	Symmetrical
910925439370	BVP506 GRN117-3S/740 II A GR T35	Asymmetrical	910925439385	BVP506 ECO181-3S/657 I S GR T35	Symmetrical

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Order Code	Full Product Name	Optic type
910925439392	BVP506 GRN98-3S/740 II S GR T35	Symmetrical
910925439393	BVP506 GRN107-3S/740 II S GR T35	Symmetrical
910925439394	BVP506 GRN117-3S/740 II S GR T35	Symmetrical
910925439395	BVP506 ECO151-3S/657 II S GR T35	Symmetrical
910925439396	BVP506 ECO166-3S/657 II S GR T35	Symmetrical
910925439397	BVP506 ECO181-3S/657 II S GR T35	Symmetrical
910925439399	BVP506 GRN107-3S/740 I DM T35	Distribution medium
910925439401	BVP506 GRN117-3S/740 I DM T35	Distribution medium
910925439402	BVP506 ECO151-3S/657 I DM T35	Distribution medium
910925439405	BVP506 GRN98-3S/740 I DM GR T35	Distribution medium
910925439406	BVP506 GRN107-3S/740 I DM GR T35	Distribution medium

Order Code	Full Product Name	Optic type
910925439408	BVP506 ECO151-3S/657 I DM GR T35	Distribution medium
910925439409	BVP506 ECO166-3S/657 I DM GR T35	Distribution medium
910925439410	BVP506 ECO181-3S/657 I DM GR T35	Distribution medium
910925439417	BVP506 GRN98-3S/740 II DM GR T35	Distribution medium
910925439418	BVP506 GRN107-3S/740 II DM GR T35	Distribution medium
910925439420	BVP506 ECO151-3S/657 II DM GR T35	Distribution medium
910925439421	BVP506 ECO166-3S/657 II DM GR T35	Distribution medium
910925439422	BVP506 ECO181-3S/657 II DM GR T35	Distribution medium
910925439432	BVP506 ECO170-3S/740 I A T35	Asymmetrical
910925439433	BVP506 ECO142-3S/740 I A T35	Asymmetrical
910925439434	BVP506 ECO113-3S/740 I A T35	Asymmetrical

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
910925439353	BVP506 ECO151-3S/657 I A T35	5700 K	13159 lm
910925439354	BVP506 ECO166-3S/657 I A T35	5700 K	14380 lm
910925439355	BVP506 ECO181-3S/657 I A T35	5700 K	15615 lm
910925439356	BVP506 GRN98-3S/740 I A GR T35	4000 K	8417 lm
910925439357	BVP506 GRN107-3S/740 I A GR T35	4000 K	9149 lm
910925439360	BVP506 ECO166-3S/657 I A GR T35	5700 K	14380 lm
910925439361	BVP506 ECO181-3S/657 I A GR T35	5700 K	15615 lm
910925439368	BVP506 GRN98-3S/740 II A GR T35	4000 K	8417 lm
910925439369	BVP506 GRN107-3S/740 II A GR T35	4000 K	9149 lm
910925439370	BVP506 GRN117-3S/740 II A GR T35	4000 K	9942 lm
910925439371	BVP506 ECO151-3S/657 II A GR T35	5700 K	13159 lm
910925439372	BVP506 ECO166-3S/657 II A GR T35	5700 K	14380 lm
910925439373	BVP506 ECO181-3S/657 II A GR T35	5700 K	15615 lm
910925439377	BVP506 ECO151-3S/657 I S T35	5700 K	13159 lm
910925439380	BVP506 GRN98-3S/740 I S GR T35	4000 K	8417 lm
910925439381	BVP506 GRN107-3S/740 I S GR T35	4000 K	9149 lm
910925439382	BVP506 GRN117-3S/740 I S GR T35	4000 K	9942 lm
910925439383	BVP506 ECO151-3S/657 I S GR T35	5700 K	13159 lm
910925439384	BVP506 ECO166-3S/657 I S GR T35	5700 K	14380 lm
910925439385	BVP506 ECO181-3S/657 I S GR T35	5700 K	15615 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
910925439392	BVP506 GRN98-3S/740 II S GR T35	4000 K	8417 lm
910925439393	BVP506 GRN107-3S/740 II S GR T35	4000 K	9149 lm
910925439394	BVP506 GRN117-3S/740 II S GR T35	4000 K	9942 lm
910925439395	BVP506 ECO151-3S/657 II S GR T35	5700 K	13159 lm
910925439396	BVP506 ECO166-3S/657 II S GR T35	5700 K	14380 lm
910925439397	BVP506 ECO181-3S/657 II S GR T35	5700 K	15615 lm
910925439399	BVP506 GRN107-3S/740 I DM T35	4000 K	9149 lm
910925439401	BVP506 GRN117-3S/740 I DM T35	4000 K	9942 lm
910925439402	BVP506 ECO151-3S/657 I DM T35	5700 K	13159 lm
910925439405	BVP506 GRN98-3S/740 I DM GR T35	4000 K	8417 lm
910925439406	BVP506 GRN107-3S/740 I DM GR T35	4000 K	9149 lm
910925439408	BVP506 ECO151-3S/657 I DM GR T35	5700 K	13159 lm
910925439409	BVP506 ECO166-3S/657 I DM GR T35	5700 K	14380 lm
910925439410	BVP506 ECO181-3S/657 I DM GR T35	5700 K	15615 lm
910925439417	BVP506 GRN98-3S/740 II DM GR T35	4000 K	8417 lm
910925439418	BVP506 GRN107-3S/740 II DM GR T35	4000 K	9149 lm
910925439420	BVP506 ECO151-3S/657 II DM GR T35	5700 K	13159 lm
910925439421	BVP506 ECO166-3S/657 II DM GR T35	5700 K	14380 lm

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Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
910925439422	BVP506 ECO181-3S/657 II DM GR T35	5700 K	15615 lm
910925439432	BVP506 ECO170-3S/740 I A T35	4000 K	14702 lm

Mechanical and Housing

Order Code	Full Product Name	Color
910925439353	BVP506 ECO151-3S/657 I A T35	Aluminum
910925439354	BVP506 ECO166-3S/657 I A T35	Aluminum
910925439355	BVP506 ECO181-3S/657 I A T35	Aluminum
910925439356	BVP506 GRN98-3S/740 I A GR T35	Gray
910925439357	BVP506 GRN107-3S/740 I A GR T35	Gray
910925439360	BVP506 ECO166-3S/657 I A GR T35	Gray
910925439361	BVP506 ECO181-3S/657 I A GR T35	Gray
910925439368	BVP506 GRN98-3S/740 II A GR T35	Gray
910925439369	BVP506 GRN107-3S/740 II A GR T35	Gray
910925439370	BVP506 GRN117-3S/740 II A GR T35	Gray
910925439371	BVP506 ECO151-3S/657 II A GR T35	Gray
910925439372	BVP506 ECO166-3S/657 II A GR T35	Gray
910925439373	BVP506 ECO181-3S/657 II A GR T35	Gray
910925439377	BVP506 ECO151-3S/657 I S T35	Aluminum
910925439380	BVP506 GRN98-3S/740 I S GR T35	Gray
910925439381	BVP506 GRN107-3S/740 I S GR T35	Gray
910925439382	BVP506 GRN117-3S/740 I S GR T35	Gray
910925439383	BVP506 ECO151-3S/657 I S GR T35	Gray
910925439384	BVP506 ECO166-3S/657 I S GR T35	Gray
910925439385	BVP506 ECO181-3S/657 I S GR T35	Gray
910925439392	BVP506 GRN98-3S/740 II S GR T35	Gray

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
910925439433	BVP506 ECO142-3S/740 I A T35	4000 K	12459 lm
910925439434	BVP506 ECO113-3S/740 I A T35	4000 K	9988 lm

Order Code	Full Product Name	Color
910925439393	BVP506 GRN107-3S/740 II S GR T35	Gray
910925439394	BVP506 GRN117-3S/740 II S GR T35	Gray
910925439395	BVP506 ECO151-3S/657 II S GR T35	Gray
910925439396	BVP506 ECO166-3S/657 II S GR T35	Gray
910925439397	BVP506 ECO181-3S/657 II S GR T35	Gray
910925439399	BVP506 GRN107-3S/740 I DM T35	Aluminum
910925439401	BVP506 GRN117-3S/740 I DM T35	Aluminum
910925439402	BVP506 ECO151-3S/657 I DM T35	Aluminum
910925439405	BVP506 GRN98-3S/740 I DM GR T35	Gray
910925439406	BVP506 GRN107-3S/740 I DM GR T35	Gray
910925439408	BVP506 ECO151-3S/657 I DM GR T35	Gray
910925439409	BVP506 ECO166-3S/657 I DM GR T35	Gray
910925439410	BVP506 ECO181-3S/657 I DM GR T35	Gray
910925439417	BVP506 GRN98-3S/740 II DM GR T35	Gray
910925439418	BVP506 GRN107-3S/740 II DM GR T35	Gray
910925439420	BVP506 ECO151-3S/657 II DM GR T35	Gray
910925439421	BVP506 ECO166-3S/657 II DM GR T35	Gray
910925439422	BVP506 ECO181-3S/657 II DM GR T35	Gray
910925439432	BVP506 ECO170-3S/740 I A T35	Aluminum
910925439433	BVP506 ECO142-3S/740 I A T35	Aluminum
910925439434	BVP506 ECO113-3S/740 I A T35	Aluminum

