



# ClearFlood Large – The best solution for 1:1 retrofit

## ClearFlood Large

ClearFlood Large is designed to meet the requirements of a wide range of floodlighting applications. It also includes all the necessary control features and interfaces to make it future-proof and even more efficient. ClearFlood Large lets you choose the exact number of lumens you need for your application. Incorporating extremely high-efficiency optics and state-of-the-art LEDs, it is a highly competitive solution offering an outstanding lux/euro ratio and energy savings of up to 40% (without the use of additional controls). The wide choice of optics ensures maximum application coverage. ClearFlood Large is easy to install – you simply plug it in and select the best option for your needs. Perfect for replacing conventional technology and enabling intelligent lighting control while retaining the same electrical installation and poles.

### Benefits

- Fast payback and low Total Cost of Ownership with energy savings and minimum maintenance costs
- Multiple control options ensure increased efficiency with intelligent lighting
- Combination of lenses and flux options ensures high level of project flexibility

# ClearFlood Large

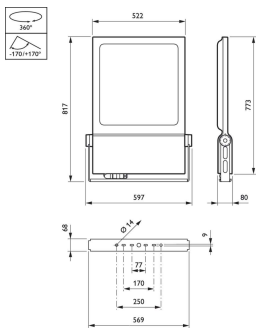
## Features

- Designed for 1:1 retrofit up to 1000 W HID
- Wide range of lumen packages between 30 klm and 65 klm
- Gear and PCB easy to replace
- Wide range of control options, such as CityTouch Ready, CLO, DALI, 1-10 V
- LEDs and optics deliver highest level of efficiency
- Components are 100% Philips
- Wide choice of optics to suit all applications: 3x Asymmetrical, 3x Road, 3x Symmetrical, versions with louver (optional)
- Optimized architecture for 4 kV surge (optional 10 kV), IP66 and IK08 protection

## Application

- Airports
- Harbors
- Large recreational sports facilities
- Industrial areas
- Roundabouts and motorway junctions

## Dimensional drawing



## Product details



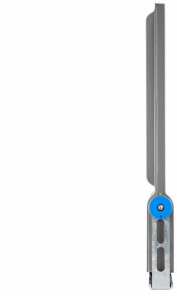
Clearflood Large CityTouch-  
DPP.jpg



OPDP\_BVP650i\_0013-Detail  
photo

# ClearFlood Large

## Product details



OPDP\_BVP650i\_0017-Detail photo



# ClearFlood Large

## General Information

CE mark	Yes
Driver included	Yes
Flammability mark	For mounting on normally flammable surfaces
Light source replaceable	Yes
Number of gear units	2 units
Product family code	BVP651
Service tag	Yes

## Light Technical

Light source color	740 neutral white
Correlated Color Temperature (Nom)	4000 K
Optical cover type	Flat glass
Color rendering index (CRI)	70
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Housing Color	Aluminum
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## Approval and Application

Mech. impact protection code	IK08
Ingress protection code	IP66
Surge Protection (Common/Differential)	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode

## Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.005 %
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## General Information

Order Code	Full Product Name	Lamp family code
10775800	BVP651 LED450-4S/740 S ALU PSU	LED450
10776500	BVP651 LED450-4S/740 OFA52 ALU PSU	LED450
10777200	BVP651 LED450-4S/740 DM10 ALU PSU	LED450
10779600	BVP651 LED450-4S/740 DX10 ALU PSU	LED450
10780200	BVP651 LED450-4S/740 DX50 ALU PSU	LED450
10781900	BVP651 LED450-4S/740 DX51 ALU PSU	LED450
10782600	BVP651 LED500-4S/740 S ALU PSU	LED500
10783300	BVP651 LED500-4S/740 OFA52 ALU PSU	LED500
10784000	BVP651 LED500-4S/740 DM10 ALU PSU	LED500
10787100	BVP651 LED500-4S/740 DX50 ALU PSU	LED500
10789500	BVP651 LED550-4S/740 S ALU PSU	LED550
10790100	BVP651 LED550-4S/740 OFA52 ALU PSU	LED550
10791800	BVP651 LED550-4S/740 DM10 ALU PSU	LED550
10793200	BVP651 LED550-4S/740 DX10 ALU PSU	LED550
10794900	BVP651 LED550-4S/740 DX50 ALU PSU	LED550
10796300	BVP651 LED600-4S/740 S ALU PSU	LED600
10797000	BVP651 LED600-4S/740 OFA52 ALU PSU	LED600
10798700	BVP651 LED600-4S/740 DM10 ALU PSU	LED600
10801400	BVP651 LED600-4S/740 DX50 ALU PSU	LED600
10803800	BVP651 LED650-4S/740 S ALU PSU	LED650
10804500	BVP651 LED650-4S/740 OFA52 ALU PSU	LED650
10805200	BVP651 LED650-4S/740 DM10 ALU PSU	LED650
10807600	BVP651 LED650-4S/740 DX10 ALU PSU	LED650
10808300	BVP651 LED650-4S/740 DX50 ALU PSU	LED650
10810600	BVP651 LED700-4S/740 S ALU PSU	LED700
10811300	BVP651 LED700-4S/740 OFA52 ALU PSU	LED700
10812000	BVP651 LED700-4S/740 DM10 ALU PSU	LED700
10815100	BVP651 LED700-4S/740 DX50 ALU PSU	LED700
11281300	BVP651 LED750-4S/740 S ALU PSU	LED750
11282000	BVP651 LED750-4S/740 OFA52 ALU PSU	LED750
11283700	BVP651 LED750-4S/740 DM10 ALU PSU	LED750
11286800	BVP651 LED750-4S/740 DX50 ALU PSU	LED750
11287500	BVP651 LED750-4S/740 DX51 ALU PSU	LED750
12902600	BVP651 LED450-4S/740 DX60 ALU PSU	LED450
12903300	BVP651 LED500-4S/740 DX60 ALU PSU	LED500
12904000	BVP651 LED550-4S/740 DX60 ALU PSU	LED550
12905700	BVP651 LED600-4S/740 DX60 ALU PSU	LED600
12906400	BVP651 LED650-4S/740 DX60 ALU PSU	LED650
12907100	BVP651 LED700-4S/740 DX60 ALU PSU	LED700
12908800	BVP651 LED750-4S/740 DX60 ALU PSU	LED750
88971500	BVP651 LED800-4S/740 PSU DX60 ALU	LED800
88973900	BVP651 LED800-4S/740 PSU DX50 ALU	LED800
88975300	BVP651 LED800-4S/740 PSU OFA52 ALU	LED800
88976000	BVP651 LED800-4S/740 PSU S ALU	LED800

## Light Technical

## ClearFlood Large

Order Code	Full Product Name	Luminaire light beam spread	Luminous Flux	Optic type outdoor
10775800	BVP651 LED450-4S/740 S ALU PSU	70° x 21°	39,000 lm	Symmetrical
10776500	BVP651 LED450-4S/740 OFA52 ALU PSU	39° - 11° x 98°	39,000 lm	Optiflux asymmetrical axis angle 52°
10777200	BVP651 LED450-4S/740 DM10 ALU PSU	157° x 111°	38,000 lm	Distribution medium 10
10779600	BVP651 LED450-4S/740 DX10 ALU PSU	20° - 4° x 150°	37,000 lm	Distribution extra wide 10
10780200	BVP651 LED450-4S/740 DX50 ALU PSU	17° - 5° x 132°	37,000 lm	Distribution extra wide 50
10781900	BVP651 LED450-4S/740 DX51 ALU PSU	14° - 5° x 132°	22,000 lm	Distribution extra wide 51
10782600	BVP651 LED500-4S/740 S ALU PSU	70° x 21°	43,000 lm	Symmetrical
10783300	BVP651 LED500-4S/740 OFA52 ALU PSU	39° - 11° x 98°	42,000 lm	Optiflux asymmetrical axis angle 52°
10784000	BVP651 LED500-4S/740 DM10 ALU PSU	157° x 111°	42,000 lm	Distribution medium 10
10787100	BVP651 LED500-4S/740 DX50 ALU PSU	17° - 5° x 132°	41,000 lm	Distribution extra wide 50
10789500	BVP651 LED550-4S/740 S ALU PSU	70° x 21°	48,000 lm	Symmetrical
10790100	BVP651 LED550-4S/740 OFA52 ALU PSU	39° - 11° x 98°	48,000 lm	Optiflux asymmetrical axis angle 52°
10791800	BVP651 LED550-4S/740 DM10 ALU PSU	157° x 111°	47,000 lm	Distribution medium 10
10793200	BVP651 LED550-4S/740 DX10 ALU PSU	20° - 4° x 150°	45,000 lm	Distribution extra wide 10
10794900	BVP651 LED550-4S/740 DX50 ALU PSU	17° - 5° x 132°	46,000 lm	Distribution extra wide 50
10796300	BVP651 LED600-4S/740 S ALU PSU	70° x 21°	52,000 lm	Symmetrical
10797000	BVP651 LED600-4S/740 OFA52 ALU PSU	39° - 11° x 98°	52,000 lm	Optiflux asymmetrical axis angle 52°

Order Code	Full Product Name	Luminaire light beam spread	Luminous Flux	Optic type outdoor
10798700	BVP651 LED600-4S/740 DM10 ALU PSU	157° x 111°	50,000 lm	Distribution medium 10
10801400	BVP651 LED600-4S/740 DX50 ALU PSU	17° - 5° x 132°	49,000 lm	Distribution extra wide 50
10803800	BVP651 LED650-4S/740 S ALU PSU	70° x 21°	56,000 lm	Symmetrical
10804500	BVP651 LED650-4S/740 OFA52 ALU PSU	39° - 11° x 98°	56,000 lm	Optiflux asymmetrical axis angle 52°
10805200	BVP651 LED650-4S/740 DM10 ALU PSU	157° x 111°	54,000 lm	Distribution medium 10
10807600	BVP651 LED650-4S/740 DX10 ALU PSU	20° - 4° x 150°	52,000 lm	Distribution extra wide 10
10808300	BVP651 LED650-4S/740 DX50 ALU PSU	17° - 5° x 132°	54,000 lm	Distribution extra wide 50
10810600	BVP651 LED700-4S/740 S ALU PSU	70° x 21°	60,000 lm	Symmetrical
10811300	BVP651 LED700-4S/740 OFA52 ALU PSU	39° - 11° x 98°	58,000 lm	Optiflux asymmetrical axis angle 52°
10812000	BVP651 LED700-4S/740 DM10 ALU PSU	157° x 111°	58,000 lm	Distribution medium 10
10815100	BVP651 LED700-4S/740 DX50 ALU PSU	17° - 5° x 132°	56,000 lm	Distribution extra wide 50
11281300	BVP651 LED750-4S/740 S ALU PSU	70° x 21°	64,000 lm	Symmetrical
11282000	BVP651 LED750-4S/740 OFA52 ALU PSU	39° - 11° x 98°	64,000 lm	Optiflux asymmetrical axis angle 52°
11283700	BVP651 LED750-4S/740 DM10 ALU PSU	157° x 111°	64,000 lm	Distribution medium 10
11286800	BVP651 LED750-4S/740 DX50 ALU PSU	17° - 5° x 132°	62,000 lm	Distribution extra wide 50
11287500	BVP651 LED750-4S/740 DX51 ALU PSU	14° - 5° x 132°	37,000 lm	Distribution extra wide 51
12902600	BVP651 LED450-4S/740 DX60 ALU PSU	8° - 26° x 82°	40,000 lm	Distribution extra wide 60

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Order Code	Full Product Name	Luminaire light beam spread	Luminous Flux	Optic type outdoor
12903300	BVP651 LED500-4S/740 DX60 ALU PSU	8° - 26° x 82°	44,000 lm	Distribution extra wide 60
12904000	BVP651 LED550-4S/740 DX60 ALU PSU	8° - 26° x 82°	49,000 lm	Distribution extra wide 60
12905700	BVP651 LED600-4S/740 DX60 ALU PSU	8° - 26° x 82°	52,000 lm	Distribution extra wide 60
12906400	BVP651 LED650-4S/740 DX60 ALU PSU	8° - 26° x 82°	58,000 lm	Distribution extra wide 60
12907100	BVP651 LED700-4S/740 DX60 ALU PSU	8° - 26° x 82°	62,000 lm	Distribution extra wide 60

Order Code	Full Product Name	Luminaire light beam spread	Luminous Flux	Optic type outdoor
12908800	BVP651 LED750-4S/740 DX60 ALU PSU	8° - 26° x 82°	66,000 lm	Distribution extra wide 60
88971500	BVP651 LED800-4S/740 PSU DX60 ALU	8° - 26° x 82°	70,000 lm	Distribution extra wide 60
88973900	BVP651 LED800-4S/740 PSU DX50 ALU	17° - 5° x 132°	64,000 lm	Distribution extra wide 50
88975300	BVP651 LED800-4S/740 PSU OFA52 ALU	39° - 11° x 98°	66,000 lm	Optiflux asymmetrical axis angle 52°
88976000	BVP651 LED800-4S/740 PSU S ALU	70° x 21°	68,000 lm	Symmetrical

### Operating and Electrical

Order Code	Full Product Name	Power Consumption
10775800	BVP651 LED450-4S/740 S ALU PSU	270 W
10776500	BVP651 LED450-4S/740 OFA52 ALU PSU	270 W
10777200	BVP651 LED450-4S/740 DM10 ALU PSU	270 W
10779600	BVP651 LED450-4S/740 DX10 ALU PSU	270 W
10780200	BVP651 LED450-4S/740 DX50 ALU PSU	270 W
10781900	BVP651 LED450-4S/740 DX51 ALU PSU	270 W
10782600	BVP651 LED500-4S/740 S ALU PSU	305 W
10783300	BVP651 LED500-4S/740 OFA52 ALU PSU	305 W
10784000	BVP651 LED500-4S/740 DM10 ALU PSU	305 W
10787100	BVP651 LED500-4S/740 DX50 ALU PSU	305 W
10789500	BVP651 LED550-4S/740 S ALU PSU	335 W
10790100	BVP651 LED550-4S/740 OFA52 ALU PSU	335 W
10791800	BVP651 LED550-4S/740 DM10 ALU PSU	335 W
10793200	BVP651 LED550-4S/740 DX10 ALU PSU	335 W
10794900	BVP651 LED550-4S/740 DX50 ALU PSU	335 W
10796300	BVP651 LED600-4S/740 S ALU PSU	370 W
10797000	BVP651 LED600-4S/740 OFA52 ALU PSU	370 W
10798700	BVP651 LED600-4S/740 DM10 ALU PSU	370 W
10801400	BVP651 LED600-4S/740 DX50 ALU PSU	370 W
10803800	BVP651 LED650-4S/740 S ALU PSU	405 W
10804500	BVP651 LED650-4S/740 OFA52 ALU PSU	405 W
10805200	BVP651 LED650-4S/740 DM10 ALU PSU	405 W

Order Code	Full Product Name	Power Consumption
10807600	BVP651 LED650-4S/740 DX10 ALU PSU	405 W
10808300	BVP651 LED650-4S/740 DX50 ALU PSU	405 W
10810600	BVP651 LED700-4S/740 S ALU PSU	440 W
10811300	BVP651 LED700-4S/740 OFA52 ALU PSU	440 W
10812000	BVP651 LED700-4S/740 DM10 ALU PSU	440 W
10815100	BVP651 LED700-4S/740 DX50 ALU PSU	440 W
11281300	BVP651 LED750-4S/740 S ALU PSU	475 W
11282000	BVP651 LED750-4S/740 OFA52 ALU PSU	475 W
11283700	BVP651 LED750-4S/740 DM10 ALU PSU	475 W
11286800	BVP651 LED750-4S/740 DX50 ALU PSU	475 W
11287500	BVP651 LED750-4S/740 DX51 ALU PSU	475 W
12902600	BVP651 LED450-4S/740 DX60 ALU PSU	270 W
12903300	BVP651 LED500-4S/740 DX60 ALU PSU	305 W
12904000	BVP651 LED550-4S/740 DX60 ALU PSU	335 W
12905700	BVP651 LED600-4S/740 DX60 ALU PSU	370 W
12906400	BVP651 LED650-4S/740 DX60 ALU PSU	405 W
12907100	BVP651 LED700-4S/740 DX60 ALU PSU	440 W
12908800	BVP651 LED750-4S/740 DX60 ALU PSU	475 W
88971500	BVP651 LED800-4S/740 PSU DX60 ALU	510 W
88973900	BVP651 LED800-4S/740 PSU DX50 ALU	510 W
88975300	BVP651 LED800-4S/740 PSU OFA52 ALU	510 W
88976000	BVP651 LED800-4S/740 PSU S ALU	510 W

## ClearFlood Large

