PHILIPS

Lighting



# The optimized TCO solution for general areas and recreational sports projects

## ClearFlood

ClearFlood is a range of floodlights that enables you to choose the exact lumen rating that you need for your specific application. Designed around state-of-the-art LEDs and extremely high-efficiency optics, this very competitive solution offers an industry-leading lux per euro ratio and significant energy savings. The choice of different optics in the ClearFlood range opens new application possibilities for LEDs. ClearFlood BVP650 is also easy to install and to maintain.

### Benefits

- Optimized total cost of ownership
- Balances initial investment and operational costs
- Easy to install and maintain
- Long lasting

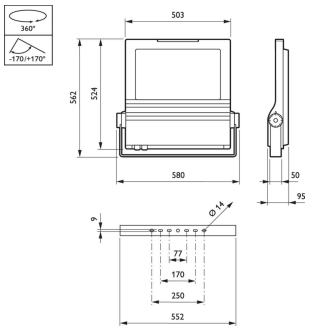
### Features

- All Ledgine O platform light distributions sports fields, transportation areas and car parks)
- Lumen packages up to 40klm, total system efficacy up to 163lm/W
- Toolless access to both light engine and drivers
- Signify Service tag (unique QR identification) for maintenance, installation and spare part information
- Extremely long lifetime up to 100,000 hours L98
- Integrated surge protection (optional extra surge protection device)
- High impact resistance IK09, IP66. Seaside resistant treatment and swimming pool protection options.

## Application

- Harbors, airports, parking lots, logistic hubs, industrial areas
- Outdoor recreational sports fields, like tennis courts, etc
- Indoor multipurpose gymnasiums and swimming pool

## Dimensional drawing




## Product details



ClearFlood-BVP650-DP.tif



OPDP_BVP650i_0001-Detail photo



OPDP_BVP650i_0003-Detail photo



OPDP_BVP650i_0005-Detail photo

## Product details



OPDP_BVP650i_0011-Detail photo

| General Information | |
|---|---|
| **Driver included** | Yes |
| **Light source replaceable** | Yes |
| **Service tag** | Yes |
| **Light Technical** | |
| **Light source color** | 740 neutral white |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Color rendering index (CRI)** | 70 |
| **Upward light output ratio** | 0 |
| **Operating and Electrical** | |
| **Surge Protection (Common/ Differential)** | Luminaire surge protection level until 6 kV differential mode and 8 kV common mode |
| **Controls and Dimming** | |
| **Dimmable** | No |
| **Mechanical and Housing** | |
| **Optical cover type** | Flat glass |
| **Housing Color** | Aluminum |
| **Mech. impact protection code** | IK09 |
| **Ingress protection code** | IP66 |
| **Standard tilt angle side entry** | 0° |
| **Standard tilt angle posttop** | 0° |
| **Approval and Application** | |
| **CE mark** | Yes |
| **Flammability mark** | For mounting on normally flammable surfaces |
| **Product Data** | |
| **Product family code** | BVP650 |

### General Information

| Order Code | Full Product Name | Gear | Lamp family code | Number of gear units |
|---|---|---|---|---|
| 912300023506 | BVP650 LED80-4S/740 PSU S ALU | EB | LED80 | 1 unit |
| 912300023507 | BVP650 LED100-4S/740 PSU S ALU | EB | LED100 | 1 unit |
| 912300023508 | BVP650 LED120-4S/740 PSU S ALU | EB | LED120 | 1 unit |
| 912300023509 | BVP650 LED140-4S/740 PSU S ALU | EB | LED140 | 2 units |
| 912300023510 | BVP650 LED160-4S/740 PSU S ALU | EB | LED160 | 2 units |
| 912300023511 | BVP650 LED180-4S/740 PSU S ALU | EB | LED180 | 2 units |
| 912300023512 | BVP650 LED200-4S/740 PSU S ALU | EB | LED200 | 2 units |
| 912300023513 | BVP650 LED220-4S/740 PSU S ALU | EB | LED220 | 2 units |
| 912300023514 | BVP650 LED240-4S/740 PSU S ALU | EB | LED240 | 2 units |
| 912300023515 | BVP650 LED260-4S/740 PSU S ALU | EB | LED260 | 2 units |
| 912300023516 | BVP650 LED280-4S/740 PSU S ALU | EB | LED280 | 2 units |
| 912300023517 | BVP650 LED300-4S/740 PSU S ALU | EB | LED300 | 2 units |
| 912300023518 | BVP650 LED320-4S/740 PSU S ALU | EB | LED320 | 2 units |
| 912300023519 | BVP650 LED340-4S/740 PSU S ALU | EB | LED340 | 2 units |
| 912300023521 | BVP650 LED80-4S/740 PSU OFA52 ALU | EB | LED80 | 1 unit |
| 912300023522 | BVP650 LED100-4S/740 PSU OFA52 ALU | EB | LED100 | 1 unit |
| 912300023523 | BVP650 LED120-4S/740 PSU OFA52 ALU | EB | LED120 | 1 unit |
| 912300023524 | BVP650 LED140-4S/740 PSU OFA52 ALU | EB | LED140 | 2 units |
| 912300023525 | BVP650 LED160-4S/740 PSU OFA52 ALU | EB | LED160 | 2 units |
| 912300023526 | BVP650 LED180-4S/740 PSU OFA52 ALU | EB | LED180 | 2 units |
| 912300023527 | BVP650 LED200-4S/740 PSU OFA52 ALU | EB | LED200 | 2 units |
| 912300023528 | BVP650 LED220-4S/740 PSU OFA52 ALU | EB | LED220 | 2 units |
| 912300023529 | BVP650 LED240-4S/740 PSU OFA52 ALU | EB | LED240 | 2 units |
| 912300023530 | BVP650 LED260-4S/740 PSU OFA52 ALU | EB | LED260 | 2 units |
| 912300023531 | BVP650 LED280-4S/740 PSU OFA52 ALU | EB | LED280 | 2 units |
| 912300023532 | BVP650 LED300-4S/740 PSU OFA52 ALU | EB | LED300 | 2 units |
| 912300023533 | BVP650 LED320-4S/740 PSU OFA52 ALU | EB | LED320 | 2 units |
| 912300023534 | BVP650 LED340-4S/740 PSU OFA52 ALU | EB | LED340 | 2 units |
| 912300023537 | BVP650 LED100-4S/740 PSU DX50 ALU | EB | LED100 | 1 unit |
| 912300023538 | BVP650 LED120-4S/740 PSU DX50 ALU | EB | LED120 | 1 unit |
| 912300023539 | BVP650 LED140-4S/740 PSU DX50 ALU | EB | LED140 | 2 units |
| 912300023543 | BVP650 LED220-4S/740 PSU DX50 ALU | EB | LED220 | 2 units |
| 912300023547 | BVP650 LED300-4S/740 PSU DX50 ALU | EB | LED300 | 2 units |
| 912300023549 | BVP650 LED340-4S/740 PSU DX50 ALU | EB | LED340 | 2 units |
| 912300023582 | BVP650 LED100-4S/740 PSU DM10 ALU | EB | LED100 | 1 unit |
| 912300023686 | BVP650 LED400-4S/740 S ALU PSU | EB | LED400 | 2 units |
| 912300023689 | BVP650 LED400-4S/740 PSU OFA52 ALU | EB | LED400 | 2 units |

| Order Code | Full Product Name | Gear | Lamp family code | Number of gear units |
|---|---|---|---|---|
| 912300023698 | BVP650 LED400-4S/740 DX10 ALU PSU | EB | LED400 | 2 units |
| 912300023951 | BVP650 LED420-4S/740 DX10 ALU PSU | - | LED420 | 2 units |
| 912300023955 | BVP650 LED440-4S/740 OFA52 ALU PSU | - | LED440 | 2 units |
| 912300023956 | BVP650 LED440-4S/740 DX50 ALU PSU | - | LED440 | 2 units |
| 912300023998 | BVP650 LED440-4S/740 DX60 ALU PSU | - | LED440 | 2 units |

## Light Technical

| Order Code | Full Product Name | Luminaire light beam spread | Luminous Flux | Number of light sources | Optic type outdoor |
|---|---|---|---|---|---|
| 912300023506 | BVP650 LED80-4S/740 PSU S ALU | 72° x 22° | 7,200 lm | 48 | Symmetrical |
| 912300023507 | BVP650 LED100-4S/740 PSU S ALU | 72° x 22° | 8,800 lm | 64 | Symmetrical |
| 912300023508 | BVP650 LED120-4S/740 PSU S ALU | 72° x 22° | 10,500 lm | 64 | Symmetrical |
| 912300023509 | BVP650 LED140-4S/740 PSU S ALU | 140° x 70° | 12,500 lm | 82 | Symmetrical |
| 912300023510 | BVP650 LED160-4S/740 PSU S ALU | 140° x 70° | 14,000 lm | 82 | Symmetrical |
| 912300023511 | BVP650 LED180-4S/740 PSU S ALU | 130° x 97° | 16,000 lm | 82 | Symmetrical |
| 912300023512 | BVP650 LED200-4S/740 PSU S ALU | 130° x 97° | 17,500 lm | 82 | Symmetrical |
| 912300023513 | BVP650 LED220-4S/740 PSU S ALU | 108° x 113° | 19,500 lm | 82 | Symmetrical |
| 912300023514 | BVP650 LED240-4S/740 PSU S ALU | 108° x 113° | 21,000 lm | 120 | Symmetrical |
| 912300023515 | BVP650 LED260-4S/740 PSU S ALU | 86° x 188° | 23,000 lm | 120 | Symmetrical |
| 912300023516 | BVP650 LED280-4S/740 PSU S ALU | 86° x 188° | 24,000 lm | 120 | Symmetrical |
| 912300023517 | BVP650 LED300-4S/740 PSU S ALU | 88° x 187° | 26,000 lm | 120 | Symmetrical |
| 912300023518 | BVP650 LED320-4S/740 PSU S ALU | 88° x 187° | 28,000 lm | 120 | Symmetrical |
| 912300023519 | BVP650 LED340-4S/740 PSU S ALU | 72° x 22° | 29,000 lm | 120 | Symmetrical |
| 912300023521 | BVP650 LED80-4S/740 PSU OFA52 ALU | 72° x 22° | 7,000 lm | 48 | Optiflux asymmetrical axis angle 52° |
| 912300023522 | BVP650 LED100-4S/740 PSU OFA52 ALU | 88° x 157° | 8,800 lm | 64 | Optiflux asymmetrical axis angle 52° |
| 912300023523 | BVP650 LED120-4S/740 PSU OFA52 ALU | 88° x 157° | 10,500 lm | 64 | Optiflux asymmetrical axis angle 52° |
| 912300023524 | BVP650 LED140-4S/740 PSU OFA52 ALU | 140° x 70° | 12,500 lm | 82 | Optiflux asymmetrical axis angle 52° |
| 912300023525 | BVP650 LED160-4S/740 PSU OFA52 ALU | 140° x 70° | 14,000 lm | 82 | Optiflux asymmetrical axis angle 52° |
| 912300023526 | BVP650 LED180-4S/740 PSU OFA52 ALU | 130° x 97° | 15,500 lm | 82 | Optiflux asymmetrical axis angle 52° |
| 912300023527 | BVP650 LED200-4S/740 PSU OFA52 ALU | 130° x 97° | 17,500 lm | 82 | Optiflux asymmetrical axis angle 52° |
| 912300023528 | BVP650 LED220-4S/740 PSU OFA52 ALU | 108° x 113° | 19,000 lm | 82 | Optiflux asymmetrical axis angle 52° |
| 912300023529 | BVP650 LED240-4S/740 PSU OFA52 ALU | 108° x 113° | 21,000 lm | 120 | Optiflux asymmetrical axis angle 52° |
| 912300023530 | BVP650 LED260-4S/740 PSU OFA52 ALU | 86° x 188° | 23,000 lm | 120 | Optiflux asymmetrical axis angle 52° |
| 912300023531 | BVP650 LED280-4S/740 PSU OFA52 ALU | 86° x 188° | 24,000 lm | 120 | Optiflux asymmetrical axis angle 52° |
| 912300023532 | BVP650 LED300-4S/740 PSU OFA52 ALU | 88° x 187° | 26,000 lm | 120 | Optiflux asymmetrical axis angle 52° |

| Order Code | Full Product Name | Luminaire light beam spread | Luminous Flux | Number of light sources | Optic type outdoor |
|---|---|---|---|---|---|
| 912300023533 | BVP650 LED320-4S/740 PSU OFA52 ALU | 88° x 187° | 28,000 lm | 120 | Optiflux asymmetrical axis angle 52° |
| 912300023534 | BVP650 LED340-4S/740 PSU OFA52 ALU | 72° x 22° | 29,000 lm | 120 | Optiflux asymmetrical axis angle 52° |
| 912300023537 | BVP650 LED100-4S/740 PSU DX50 ALU | 86° x 188° | 8,400 lm | 64 | Distribution extra wide 50 |
| 912300023538 | BVP650 LED120-4S/740 PSU DX50 ALU | 86° x 188° | 10,000 lm | 64 | Distribution extra wide 50 |
| 912300023539 | BVP650 LED140-4S/740 PSU DX50 ALU | 140° x 70° | 12,000 lm | 82 | Distribution extra wide 50 |
| 912300023543 | BVP650 LED220-4S/740 PSU DX50 ALU | 108° x 113° | 18,500 lm | 82 | Distribution extra wide 50 |
| 912300023547 | BVP650 LED300-4S/740 PSU DX50 ALU | 88° x 187° | 25,000 lm | 120 | Distribution extra wide 50 |
| 912300023549 | BVP650 LED340-4S/740 PSU DX50 ALU | 72° x 22° | 28,000 lm | 120 | Distribution extra wide 50 |
| 912300023582 | BVP650 LED100-4S/740 PSU DM10 ALU | 140° x 70° | 8,800 lm | 64 | Distribution medium 10 |
| 912300023686 | BVP650 LED400-4S/740 S ALU PSU | 83° x 130° | 34,000 lm | 120 | Symmetrical |
| 912300023689 | BVP650 LED400-4S/740 PSU OFA52 ALU | 83° x 130° | 34,000 lm | 120 | Optiflux asymmetrical axis angle 52° |
| 912300023698 | BVP650 LED400-4S/740 DX10 ALU PSU | 140° x 70° | 32,000 lm | 120 | Distribution extra wide 10 |
| 912300023951 | BVP650 LED420-4S/740 DX10 ALU PSU | 20° - 4° x 150° | 34,000 lm | - | Distribution extra wide 10 |
| 912300023955 | BVP650 LED440-4S/740 OFA52 ALU PSU | 39° - 11° x 98° | 37,000 lm | - | Optiflux asymmetrical axis angle 52° |
| 912300023956 | BVP650 LED440-4S/740 DX50 ALU PSU | 17° - 5° x 132° | 36,000 lm | - | Distribution extra wide 50 |
| 912300023998 | BVP650 LED440-4S/740 DX60 ALU PSU | 8° - 26° x 82° | 39,000 lm | - | Distribution extra wide 60 |

## Operating and Electrical

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 912300023506 | BVP650 LED80-4S/740 PSU S ALU | 47 W |
| 912300023507 | BVP650 LED100-4S/740 PSU S ALU | 57 W |
| 912300023508 | BVP650 LED120-4S/740 PSU S ALU | 70 W |
| 912300023509 | BVP650 LED140-4S/740 PSU S ALU | 82 W |
| 912300023510 | BVP650 LED160-4S/740 PSU S ALU | 95 W |
| 912300023511 | BVP650 LED180-4S/740 PSU S ALU | 108 W |
| 912300023512 | BVP650 LED200-4S/740 PSU S ALU | 122 W |
| 912300023513 | BVP650 LED220-4S/740 PSU S ALU | 134 W |
| 912300023514 | BVP650 LED240-4S/740 PSU S ALU | 140 W |
| 912300023515 | BVP650 LED260-4S/740 PSU S ALU | 152 W |
| 912300023516 | BVP650 LED280-4S/740 PSU S ALU | 166 W |
| 912300023517 | BVP650 LED300-4S/740 PSU S ALU | 178 W |
| 912300023518 | BVP650 LED320-4S/740 PSU S ALU | 192 W |
| 912300023519 | BVP650 LED340-4S/740 PSU S ALU | 205 W |
| 912300023521 | BVP650 LED80-4S/740 PSU OFA52 ALU | 47 W |
| 912300023522 | BVP650 LED100-4S/740 PSU OFA52 ALU | 57 W |
| 912300023523 | BVP650 LED120-4S/740 PSU OFA52 ALU | 70 W |
| 912300023524 | BVP650 LED140-4S/740 PSU OFA52 ALU | 82 W |
| 912300023525 | BVP650 LED160-4S/740 PSU OFA52 ALU | 95 W |
| 912300023526 | BVP650 LED180-4S/740 PSU OFA52 ALU | 108 W |
| 912300023527 | BVP650 LED200-4S/740 PSU OFA52 ALU | 122 W |
| 912300023528 | BVP650 LED220-4S/740 PSU OFA52 ALU | 134 W |
| 912300023529 | BVP650 LED240-4S/740 PSU OFA52 ALU | 140 W |
| 912300023530 | BVP650 LED260-4S/740 PSU OFA52 ALU | 152 W |
| 912300023531 | BVP650 LED280-4S/740 PSU OFA52 ALU | 166 W |
| 912300023532 | BVP650 LED300-4S/740 PSU OFA52 ALU | 178 W |
| 912300023533 | BVP650 LED320-4S/740 PSU OFA52 ALU | 192 W |
| 912300023534 | BVP650 LED340-4S/740 PSU OFA52 ALU | 205 W |
| 912300023537 | BVP650 LED100-4S/740 PSU DX50 ALU | 57 W |
| 912300023538 | BVP650 LED120-4S/740 PSU DX50 ALU | 70 W |
| 912300023539 | BVP650 LED140-4S/740 PSU DX50 ALU | 82 W |
| 912300023543 | BVP650 LED220-4S/740 PSU DX50 ALU | 134 W |
| 912300023547 | BVP650 LED300-4S/740 PSU DX50 ALU | 178 W |
| 912300023549 | BVP650 LED340-4S/740 PSU DX50 ALU | 205 W |
| 912300023582 | BVP650 LED100-4S/740 PSU DM10 ALU | 57 W |
| 912300023686 | BVP650 LED400-4S/740 S ALU PSU | 250 W |
| 912300023689 | BVP650 LED400-4S/740 PSU OFA52 ALU | 250 W |
| 912300023698 | BVP650 LED400-4S/740 DX10 ALU PSU | 250 W |
| 912300023951 | BVP650 LED420-4S/740 DX10 ALU PSU | 265 W |
| 912300023955 | BVP650 LED440-4S/740 OFA52 ALU PSU | 280 W |
| 912300023956 | BVP650 LED440-4S/740 DX50 ALU PSU | 280 W |
| 912300023998 | BVP650 LED440-4S/740 DX60 ALU PSU | 280 W |

## Approval and Application

| Order Code | Full Product Name | Glow-wire test |
|---|---|---|
| 912300023506 | BVP650 LED80-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023507 | BVP650 LED100-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023508 | BVP650 LED120-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023509 | BVP650 LED140-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023510 | BVP650 LED160-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023511 | BVP650 LED180-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023512 | BVP650 LED200-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023513 | BVP650 LED220-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023514 | BVP650 LED240-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023515 | BVP650 LED260-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023516 | BVP650 LED280-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023517 | BVP650 LED300-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023518 | BVP650 LED320-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023519 | BVP650 LED340-4S/740 PSU S ALU | Temperature 650 °C, duration 30 s |
| 912300023521 | BVP650 LED80-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023522 | BVP650 LED100-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023523 | BVP650 LED120-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023524 | BVP650 LED140-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023525 | BVP650 LED160-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023526 | BVP650 LED180-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023527 | BVP650 LED200-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023528 | BVP650 LED220-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023529 | BVP650 LED240-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023530 | BVP650 LED260-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023531 | BVP650 LED280-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023532 | BVP650 LED300-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023533 | BVP650 LED320-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023534 | BVP650 LED340-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023537 | BVP650 LED100-4S/740 PSU DX50 ALU | Temperature 650 °C, duration 30 s |
| 912300023538 | BVP650 LED120-4S/740 PSU DX50 ALU | Temperature 650 °C, duration 30 s |
| 912300023539 | BVP650 LED140-4S/740 PSU DX50 ALU | Temperature 650 °C, duration 30 s |
| 912300023543 | BVP650 LED220-4S/740 PSU DX50 ALU | Temperature 650 °C, duration 30 s |
| 912300023547 | BVP650 LED300-4S/740 PSU DX50 ALU | Temperature 650 °C, duration 30 s |
| 912300023549 | BVP650 LED340-4S/740 PSU DX50 ALU | Temperature 650 °C, duration 30 s |
| 912300023582 | BVP650 LED100-4S/740 PSU DM10 ALU | Temperature 650 °C, duration 30 s |
| 912300023686 | BVP650 LED400-4S/740 S ALU PSU | Temperature 650 °C, duration 30 s |
| 912300023689 | BVP650 LED400-4S/740 PSU OFA52 ALU | Temperature 650 °C, duration 30 s |
| 912300023698 | BVP650 LED400-4S/740 DX10 ALU PSU | Temperature 650 °C, duration 30 s |
| 912300023951 | BVP650 LED420-4S/740 DX10 ALU PSU | - |
| 912300023955 | BVP650 LED440-4S/740 OFA52 ALU PSU | - |
| 912300023956 | BVP650 LED440-4S/740 DX50 ALU PSU | - |
| 912300023998 | BVP650 LED440-4S/740 DX60 ALU PSU | - |




© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.