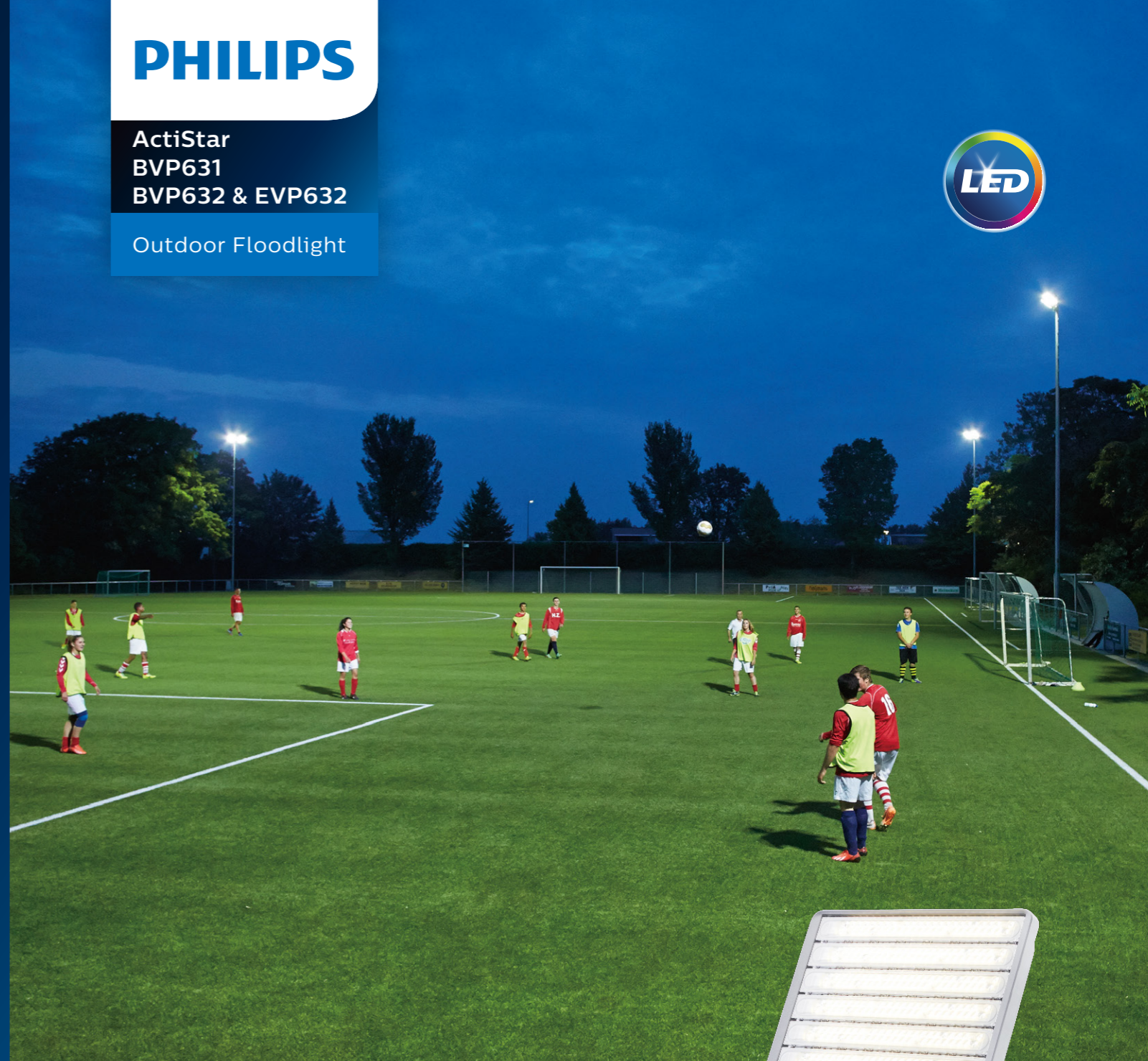


PHILIPS

ActiStar
BVP631
BVP632 & EVP632

Outdoor Floodlight



One to one replacement Versatile LED floodlight

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www.lighting.philips.com
2022, August

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www.lighting.philips.com
2022, August

Application

- Airport / Apron
- Port & Container Yard
- Large Industrial Areas / Car Park Areas
- Building Facades
- Transportation Terminals & Tollways
- General Flood Lighting
- Recreational Sports Stadium



Philips ActiStar Inherits and develops Philips brand floodlight consistent advantages to a new performance level to illuminate your recreational sports fields and areas with best-in-class LED technology. It's new ideal solution for a wide range of lighting applications, like recreational sports pitch, containers yard and ports, apron and industrial large areas, intersection road, etc. ActiStar will energize your sports facilities with uniformity and be able to enhance the safety of intersection roads by maximizing efficiencies. Optimized design for 1:1 retrofitting in compact size with lower weight, wide choice of optic, high manufacturing quality. It can deliver sufficient light at higher efficacy, and it incorporates best-in-class LED light source, modular optical system, heat sink and driver into one-piece housing that meets globally recognized safety standards. Its rigorous designed heat sink incorporates aesthetics and functionality to ensure excellent reliability. The superior lighting performance and longer lifetime to activate your infinite potential, ActiStar.

Benefits and Advantages

- One to one replacement of conventional floodlight
- Higher system efficacy at max. 135lm/W
- Customized lumen packages and up to 110Klm for kinds of application
- Multiple lens covers as much as of customer needs
- Average 15% less weight and equivalent windage area compared with SportsStar
- High quality ADC1 die-cast aluminum housing, rear cover and carbon steel bracket
- Standard MSP 1000hrs salt spray test passed, IP66 and IK08 protection
- Easy wiring for quick instantiation
- Interact Sports system ready

Product Features



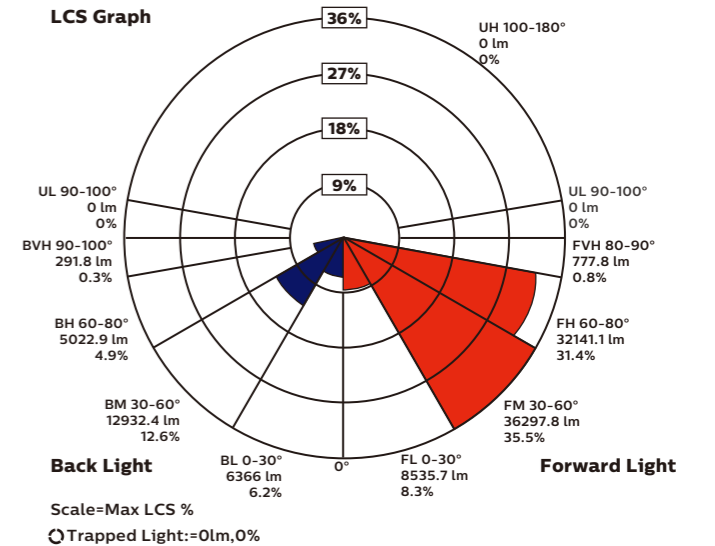
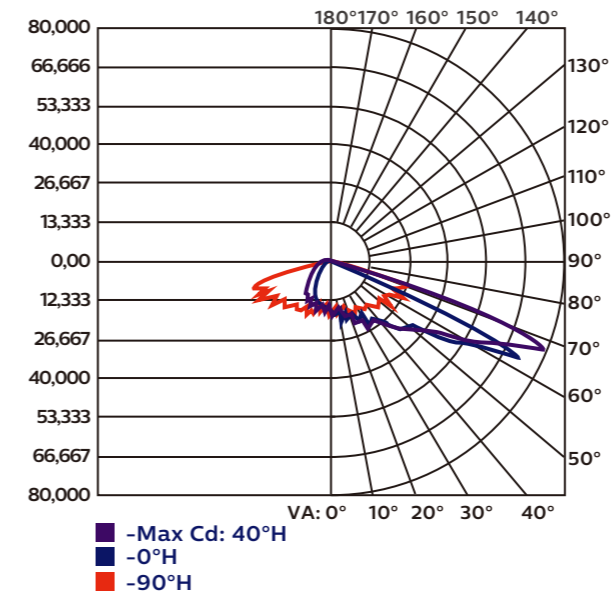
- ① **Service tag**
Includes Service Tag, an innovative way to provide assistance throughout the life of the product.
- ② **IP66 and IK08 rated**
Pre-set gasket without glue and robust gland protect luminaire against dust and water/moisture, improving product lifetime. IK08 will increase the capability against shock damage.
- ③ **ADC1 diecasting aluminum and Finish**
It ensure products durability in harsh environment and heat dissipation in operation. 1000hrs marine salt protection powder coating. RAL9007

- ④ **U Bracket mounting, carbon steel**
- ⑤ **Downwards lighting 0-75D**
- ⑥ **Small wind loading area 0.4 m² and lower weight 27Kg***
- ⑦ **Surge protection**
Standard SPD 15KV protect the luminaire
- ⑧ **Aiming device**
Unified aiming device same as AV/OV 3.5, SportsStar Gen2, BVP384
- ⑨ **Dimming drivers**
1-10V/ DALI 2.0 (coded mains) enable luminaire connected to control system, interact Sports ready without additional modification.
- ⑩ **Optimized fin design**
Catalyze heat dissipation and low weight. Slim rear cover and housing with chamfer are harmless in hand work.
- ⑪ **IP67 cable gland**
Leading cable and preformed hole for control cable.

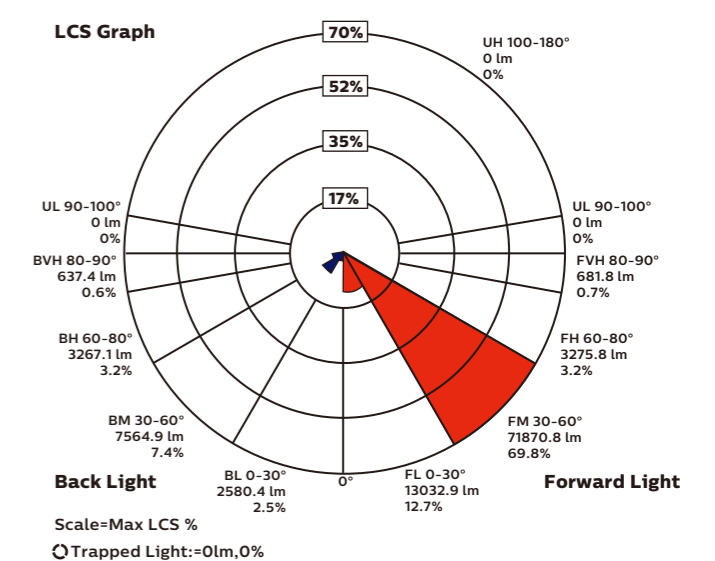
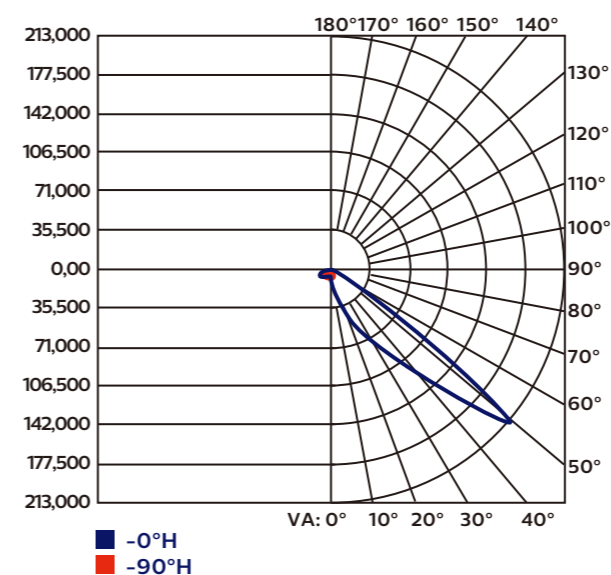
* Subject to driver configuration, refer to MI for more details.

Typical Optics

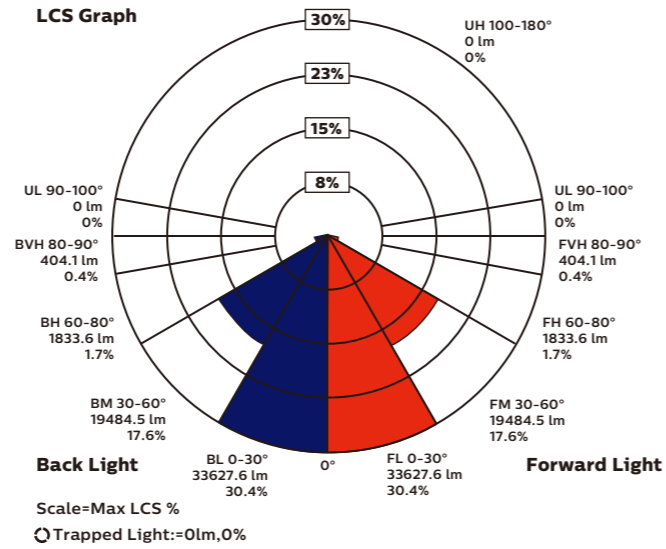
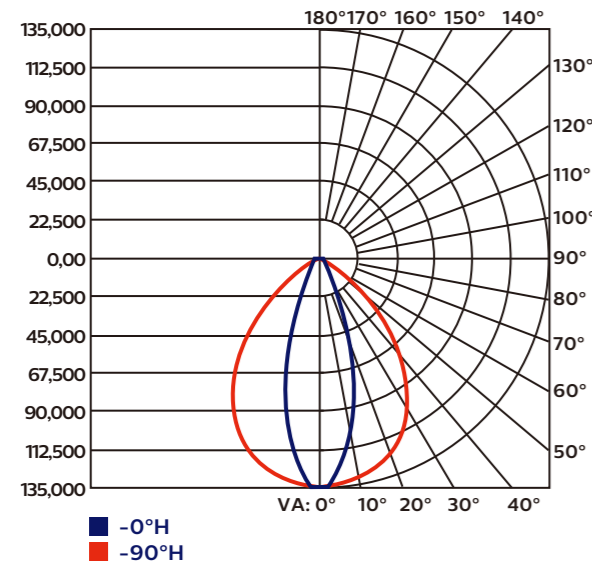
BVP631 LED1023 757 820W 1-10V DX10



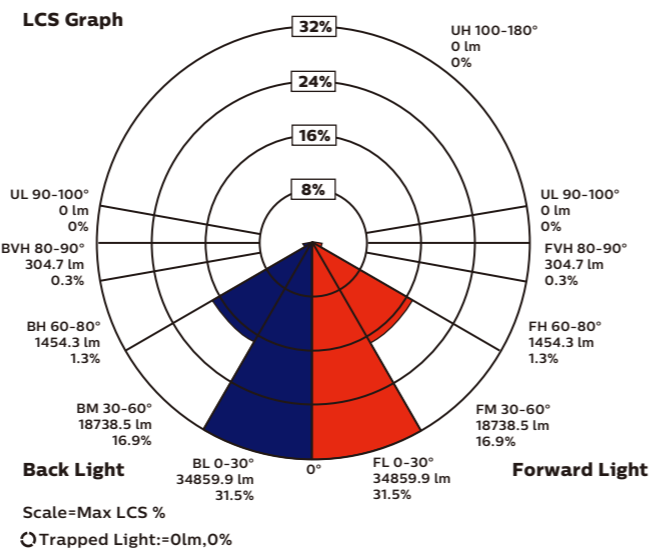
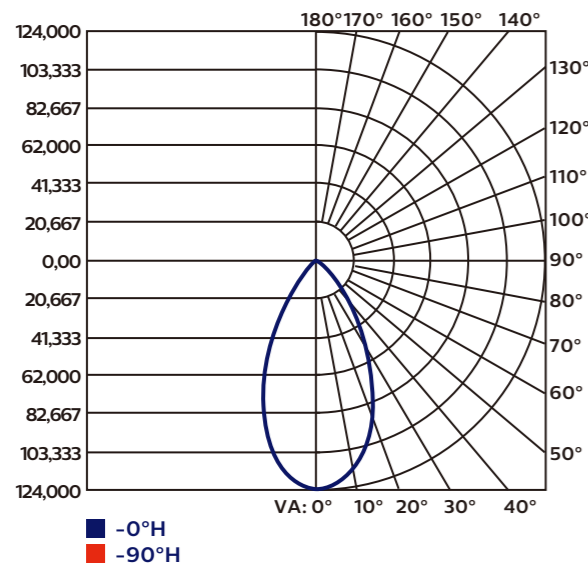
BVP631 LED1029 757 820W 1-10V AWB



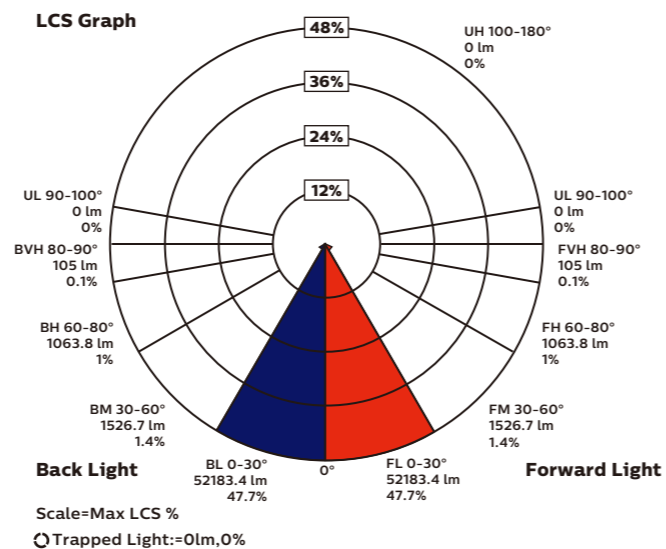
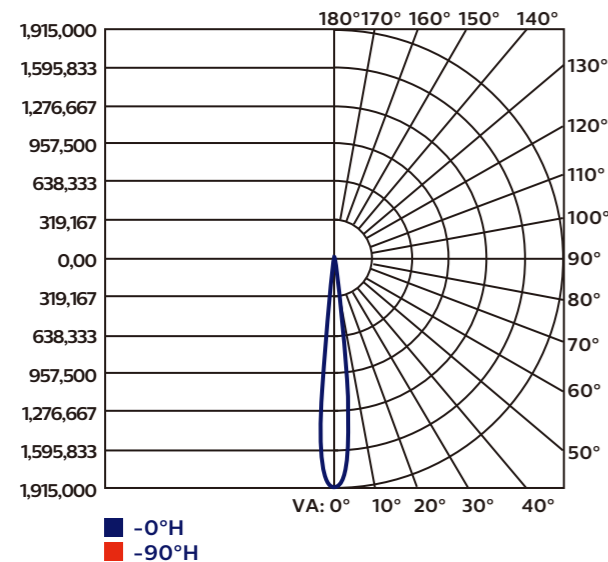
BVP631 LED1107 757 820W 1-10V SWB



BVP631 LED1107 757 820W 1-10V SMB



BVP631 LED1095 757 820W 1-10V NB

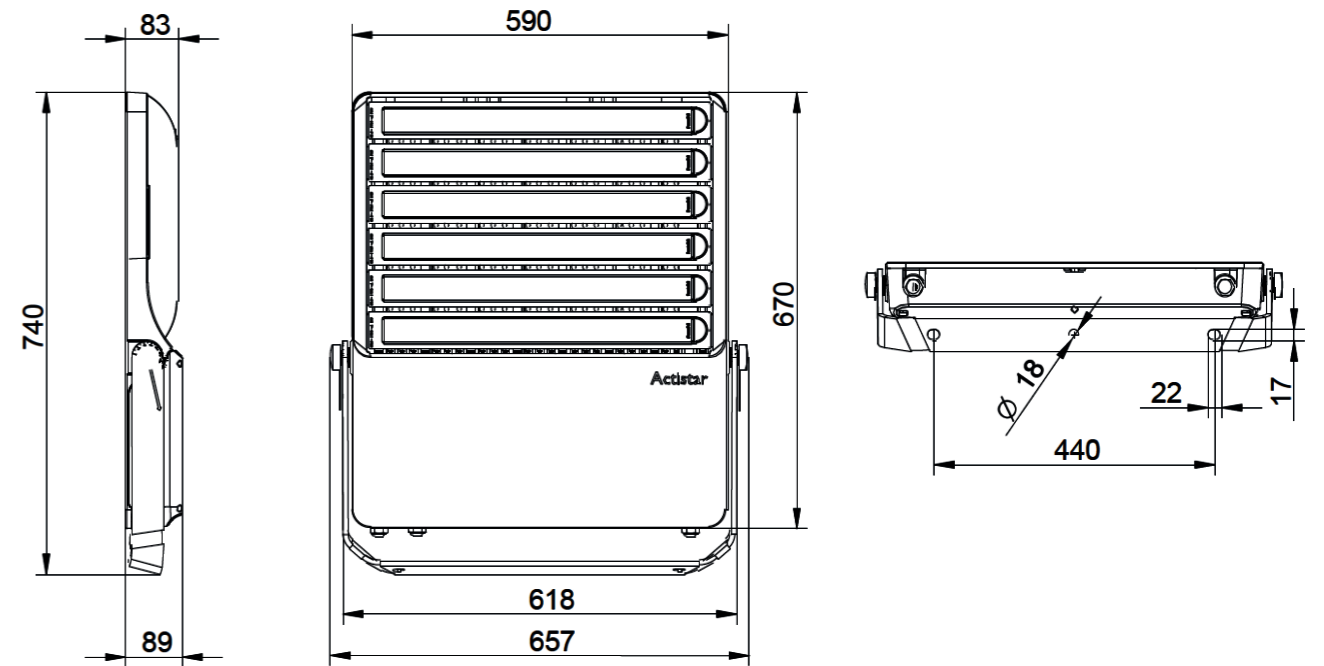


Dimensions

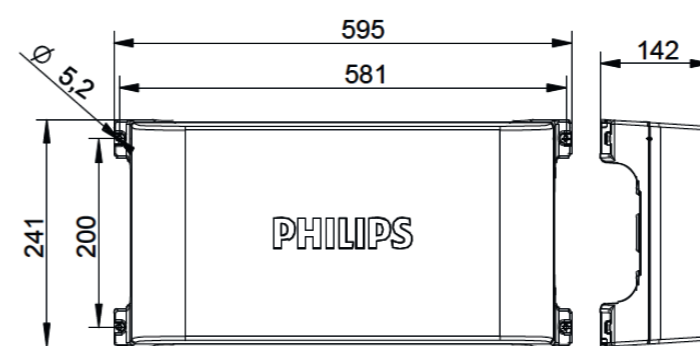
Type	Luminaire Dimension(cm)	Weight(kg)
BVP631	L670 x W590 x H90	27/28*
BVP632	L670 x W590 x H90	24
EVP632 S	L241 x W595 x H142	10
EVP632 L	L361 x W594 x H165	14

*subject to driver configuration, refer to MI for more details.

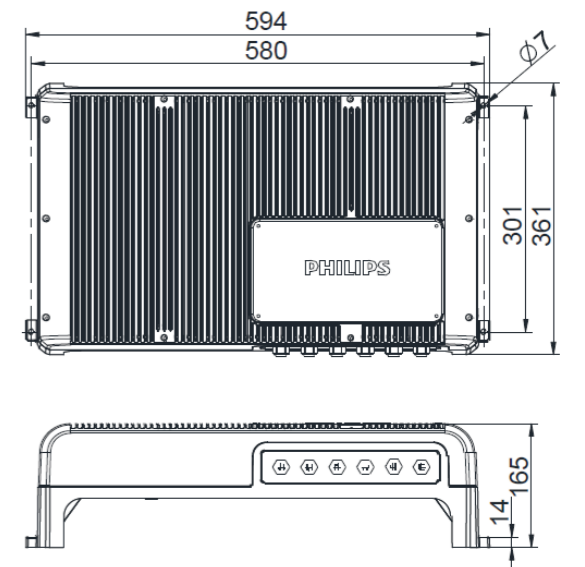
BVP631/BVP632



Gear box EVP632 S



Gear box EVP632 L



Product Data

	Item	Integrated driver version BVP631	Remote driver version BVP632 + EVP632	
Luminaire	Typical efficacy (luminaire)	Up to 135lm/W (Ave. @757) differing by LOR of optics and CRI/CCT		
	Power (W)@Max pcs drivers' config*	Up to 820W @ Fix 1-10V driver Up to 770W @ Fix driver Up to 750W @ dali driver up to 600W @ wide voltage LP	Up to 820W @ Fix 1-10V & Dali driver (coded mains incl.) up to 770W @ Fix driver	
	Lumen (lm) @Max pcs drivers' config*	Up to 110Klm @ Fix 1-10V driver Up to 106Klm @ Fix driver Up to 90Klm @ Dali driver Up to 72Klm @ wide voltage LP	Up to 110Klm @ Fix 1-10V & Dali driver (coded mains incl.) up to 106Klm @ Fix driver	
	Luminaire lifetime	50Khrs L70B50@Ta35°C outdoor		
	Warranty	3-year standard warranty		
LED	LED	High-power LED		
	CCT/CRI	730/740/757/830/840/857/957		
	SDCM	<=5 steps		
Optics	Light distribution	NB/AWB/SMB/SWB/S3/S5/S6/S7/DX10		
	Optical window	F1 rated polycarbonate		
Electronics	Input voltage	220-240V for Fix/Fix 1-10V/Dali, 110-277V for wide voltage LP		
	Power factor	0.95@full loading		
	THD	<20%		
	Safety class	Class I		
	Control interface	1-10V, Dali 2.0, Coded Mains		
	Surge protection	15kV/kA SPD device		
	Interface to main	1.5m leading cable		
	Interface to control wire	Cable gland with end cap on housing, without singal wire		
	Connection	1.5m flying cable without connector	1.5m leading cable with 1 couple of connector@ luminaire 1.5m leading cable with 1 couple of connector@ driver box	
	Driver	Philips Xitanium Drivers		
Thermal	Ambient temperature	35°C Ta Outdoor Condition		
	Operating temperature	-40°C to 50°C (outdoor), -40°C to 40°C (indoor)		
	Ingress protection	IP66		
Mechanics	Impact protection	IK08		
	Dimensions	0.67X0.59X0.09m(w/o bracket)	0.67X0.59X0.09m - luminaire 0.24X0.6X0.17m - small driver box 0.36X0.6X0.17m - large driver box	
	Weight (based on typical configurations - L2 and drivers)	27Kg- Fix/Fix 1-10V/LP drivers Dali- 29Kg tolerance ±3%	24Kg- luminaire 10Kg - small gear box and 14Kg - large gear box tolerance ±3%	
	Salt spray corrosion test	1000 hours tested		
	Mounting	U bracket, surface-mounted		
	Tilt angle	Downwards 0-75D		
	Wind force	IEC/GB Standard, area 0.4m2		
	Vibration tested	3G (x, y, and z) tested range		
	Shock tested	30G, 50G tested range		
	Industry design	yes		
Finishing	Powder painting RAL9007			
Materials	Housing and rear cover - die casting aluminum ADC1 Brakect - carbon steel			
Interface for accessory	Professional aiming device (912300024403) same as AVOV3.5/SS G2/BVP384, adaptor provided on request**			

* Subject to driver configuration, refer to MI for more details.

** Adaptor is used repeatedly.

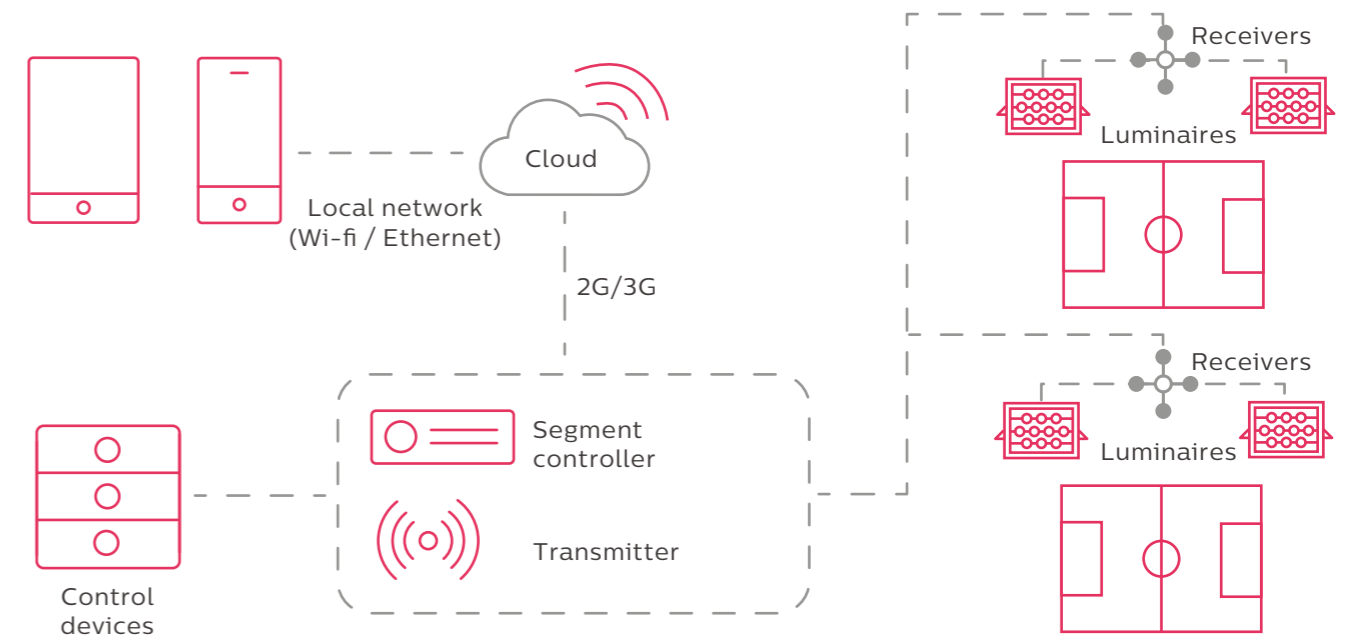
	Item	Integrated driver version BVP631	Remote driver version BVP632 + EVP632
Mechanics	Driver box (in remote driver application)	N/A	EVP632 small driver box for Fix/Fix 1-10V driver EVP632 large driver box for Dali driver
	Package	Industrial carton package (1pc per box)	Industrial carton package (1pc per box), luminaire head and EVP632 driver box separately packaged
Approbation	Certificates	CQC/CB/SAA/CE	
	Sustainability	RoHS	
Serviceability	Serviceability	Driver, SPD	
	Access for installation/Maintenance		

Ordering codes

FG 12NC	Region	FG Desc.	Control interface	Integrated / remote driver
911401614908	GCGM	BVP631 LED1029/757 820W AWB 1-10V	Fix 1-10V	integrated
911401615008	GCGM	BVP631 LED1095/757 820W NB 1-10V	Fix 1-10V	integrated
911401615108	GCGM	BVP631 LED1107/757 820W SMB 1-10V	Fix 1-10V	integrated
911401615208	GCGM	BVP631 LED1107/757 820W SWB 1-10V	Fix 1-10V	integrated
911401615308	GCGM	BVP631 LED1095/757 820W S3 1-10V	Fix 1-10V	integrated
911401615408	GCGM	BVP631 LED1107/757 820W S5 1-10V	Fix 1-10V	integrated
911401615508	GCGM	BVP631 LED1107/757 820W S6 1-10V	Fix 1-10V	integrated
911401615608	GCGM	BVP631 LED1107/757 820W S7 1-10V	Fix 1-10V	integrated
911401615708	GCGM	BVP631 LED898/757 700W DX10	Fix	integrated
911401615808	GCGM	BVP631 LED984/757 770W DX10	Fix	integrated
911401615908	GCGM	BVP631 LED934/757 750W DX10 1-10V	Fix 1-10V	integrated
911401616008	GCGM	BVP631 LED1023/757 820W DX10 1-10V	Fix 1-10V	integrated
911401616108	GCGM	BVP631 LED718/857 600W NB FP	Dali/Coded mains	integrated
911401616208	GCGM	BVP631 LED898/857 750W NB FP	Dali/Coded mains	integrated
911401616308	GM	BVP631 LED718/857 600W NB LP	wide voltage-LP	integrated
911401616408	GCGM	BVP632 LED832/957 770W S5	Fix	Powered by EVP632 FIX S
911401616508	GCGM	BVP632 LED866/957 820W S6	Fix 1-10V	Powered by EVP632 1-10V S
911401616608	GCGM	BVP632 LED866/957 820W S7	Dali/Coded mains	Powered by EVP632 FP L
911401616708	GCGM	BVP631 LED983/857 820W NB 1-10V	Fix 1-10V	integrated
911401616808	GCGM	EVP632 S 220-240 820W PSR	FIX 1-10V	EVP632 1-10V S
911401640508	GCGM	EVP632 S 220-240 770W FIX	Fix	EVP632 FIX S
911401640608	GCGM	EVP632 L 220-240 820W PSD	Dali/Coded mains	EVP632 FP L



System architecture



Features and specifications

- Standard control devices that anyone can control
- Option to produce reports on lighting consumption and use
- Easy retrofitting - cutting out disruptive and costly cable works
- Option of multiple user groups and authorisation profiles for lighting control
- Reliable and stable communication and data transfers via power-grid cables
- Dedicated installation tool for easy re-configuration and system upgrades
- Remote support and hassle-free software upgrades
- Future-proof architecture thanks to cloud technology

Intuitive control devices

3 different options for controlling light settings

- Panel
- Tablet
- Smartphone

Choose the bundle that works for you

System Features	Specifications
Dimmable floodlights	Philips LED floodlights, DALI driven
Conventional floodlights	Supported, but only ON/OFF setting
System type	Cloud hosted application software with local controller
Network communication	Cellular 2G/3G
Local communication network	Coded mains - coded dimming signal over mains supply DALI communication between luminaire controller and drivers
Architecture	Cloud-based with service support from Signify
Control user device	Panel, via RS-485 cable or dry contact. Tablet or smartphone, Android, iOS and Windows supported (tablet or smartphone not delivered by Signify)

More detail product specification:
<https://www.lighting.philips.com/main/prof/outdoor-luminaires/sports-and-area-floodlighting/high-end-sports-floodlighting/actistar>



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