



Tango G4 LED lighting brightens your world

Tango G4 LED Flood

Philips Tango G4 LED flood lighting is the 4th generation of the Tango LED family. A new range lighting that delivers higher efficacy and has an optimized windage area, and less weight thanks to its technical design. This product introduction is the ideal solution for a wide range of area lighting and recreational sports lighting applications. It incorporates the latest LED light source, one-piece optical system, heat sink and driver into a compact and robust housing that meets globally-recognized safety standards. Its specially-designed heat sink incorporates aesthetics and functionality to ensure excellent reliability. Powered by LED technology, Tango G4 LED floodlights deliver superior performance and a longer lifetime, bringing area lighting to a whole new level.

Benefits

- Saves 10% more energy than Tango G3
- Covers a wide range of applications
- Optimized design: 23% less weight and 35% less windage area (size) than Tango Gen3
- Create a brighter, energetic, and safer environment
- Robust and reliable design.

Features

- Higher system efficacy with typical 140lm/W
- Full range of lumen packages to cover multiple flood, area, and sport lighting applications.
- Multiple optic options for flexible lighting design
- High quality ADC1 diecast aluminum housing and steel bracket.
- High reliability: housing tested to ISO 9227 Salt Spray Fog Standard (small and medium housing 500 hours, large housing 1000 hours)
- Overall luminaire is rated for IP66 and IK08 protection.

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Application

- General flood lighting
- Large industrial areas / Car Park Areas
- Billboard
- Airport Apron
- Port & Container Yard
- Building facades
- Transportation Terminals & Tollways
- Recreational Sports Stadium

Warnings and Safety

- please pay attention to the mounting instructions

Specifications

Material	Housing: die-cast aluminum Optics: polycarbonate
Light Source	3030 and SQ5 LED module
Installation	U bracket surface-mounted
Luminous flux	BVP431/BVP491: ~13,000lumen BVP432/BVP492: ~27,000lumen BVP433/BVP493: ~52,000lumen
Correlated color temperature - CCT	3000K / 4000K / 5700K
Luminaire efficacy	Up to 140lm/W

Color Rendering index - CRI	70/80
Power	Up to 380W
Mains Voltage	220-240V, 50/60Hz
Control system input	DALI / 1-10V / coded mains
Dimming	DALI / 1-10V / coded mains
Operating Temperature range	-40 to +50 °C (outdoor)
Ingress protection	IP66
Certification	IECEE CB, CQC, CE, SAA

Versions



BVP49X



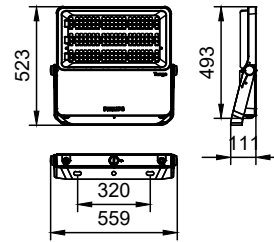
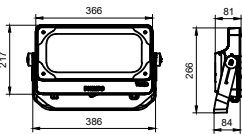
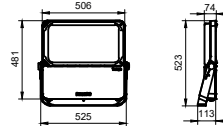
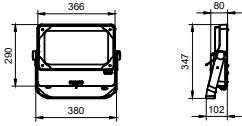
BVP49X



BVP433

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Dimensional drawing



General Information

Driver included	Yes
Service tag	Yes

Light Technical

Color rendering index (CRI)	>70
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Mechanical and Housing

Housing Color	Gray
Mech. impact protection code	IK08
Ingress protection code	IP66

Approval and Application

CE mark	Yes
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Light Technical

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Luminous Flux
911401658207	BVP491 LED68/NW 50W SWB	White	4000 K	6,800 lm
911401658307	BVP491 LED93/NW 70W SWB	White	4000 K	9,300 lm
911401658507	BVP491 LED136/NW 100W SWB	White	4000 K	13,600 lm

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Luminous Flux
911401659607	BVP491 LED68/NW 50W SWB LP P7	White	4000 K	6,800 lm
911401665107	BVP493 LED261/WW 230W SAWB	Warm white	3000 K	26,100 lm
911401665207	BVP493 LED341/NW 255W SWB	White	4000 K	34,100 lm

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Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Luminous Flux
911401665307	BVP493 LED388/WW 305W NB	Warm white	3000 K	38,800 lm
911401665507	BVP493 LED485/WW 380W NB	Warm white	3000 K	48,500 lm
911401667607	BVP493 LED485/WW 380W NB LP P7	Warm white	3000 K	48,500 lm
911401679406	BVP431 LED68/NW 220~240V 50W SMB GM	740 neutral white	4000 K	6,800 lm
911401679506	BVP431 LED68/NW 220~240V 50W SWB GM	740 neutral white	4000 K	6,800 lm
911401679606	BVP431 LED67/NW 220~240V 50W AMB GM	740 neutral white	4000 K	6,700 lm
911401681206	BVP431 LED92/NW 220~240V 70W SMB GM	740 neutral white	4000 K	9,200 lm
911401681306	BVP431 LED92/NW 220~240V 70W SWB GM	740 neutral white	4000 K	9,200 lm
911401681406	BVP431 LED91/NW 220~240V 70W AMB GM	740 neutral white	4000 K	9,100 lm
911401681606	BVP431 LED92/CW 220~240V 70W SWB GM	757 cool white	5700 K	9,200 lm
911401681706	BVP431 LED91/CW 220~240V 70W AMB GM	757 cool white	5700 K	9,100 lm
911401683206	BVP431 LED136/NW 220~240V 100W SWB GM	740 neutral white	4000 K	13,600 lm
911401683306	BVP431 LED134/NW 220~240V 100W AMB GM	740 neutral white	4000 K	13,400 lm
911401683406	BVP431 LED135/CW 220~240V 100W SMB GM	757 cool white	5700 K	13,500 lm
911401683506	BVP431 LED135/CW 220~240V 100W SWB GM	757 cool white	5700 K	13,500 lm
911401683606	BVP431 LED133/CW 220~240V 100W AMB GM	757 cool white	5700 K	13,300 lm

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Luminous Flux
911401687606	BVP432 LED161/CW 220~240V 120W SWB GM	757 cool white	5700 K	16,100 lm
911401689006	BVP432 LED206/NW 220~240V 150W SMB GM	740 neutral white	4000 K	20,600 lm
911401689106	BVP432 LED206/NW 220~240V 150W SWB GM	740 neutral white	4000 K	20,600 lm
911401689206	BVP432 LED203/NW 220~240V 150W AMB GM	740 neutral white	4000 K	20,300 lm
911401689406	BVP432 LED204/CW 220~240V 150W SWB GM	757 cool white	5700 K	20,400 lm
911401689506	BVP432 LED202/CW 220~240V 150W AMB GM	757 cool white	5700 K	20,200 lm
911401690806	BVP432 LED274/NW 220~240V 200W SMB GM	740 neutral white	4000 K	27,400 lm
911401690906	BVP432 LED274/NW 220~240V 200W SWB GM	740 neutral white	4000 K	27,400 lm
911401691006	BVP432 LED271/NW 220~240V 200W AMB GM	740 neutral white	4000 K	27,100 lm
911401691106	BVP432 LED272/CW 220~240V 200W SMB GM	757 cool white	5700 K	27,200 lm
911401691206	BVP432 LED272/CW 220~240V 200W SWB GM	757 cool white	5700 K	27,200 lm
911401691306	BVP432 LED269/CW 220~240V 200W AMB GM	757 cool white	5700 K	26,900 lm
911401661707	BVP492 LED244/WW 200W AMB	Warm white	3000 K	24,400 lm
911401662607	BVP492 LED201/NW 150W SWB 1-10V P7	White	4000 K	20,100 lm
911401663507	BVP492 LED244/WW 200W AMB LP	Warm white	3000 K	24,400 lm
911401607907	BVP433 LED384/CW 300W AMB CM GM	757 cool white	5700 K	38,400 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401658207	BVP491 LED68/NW 50W SWB	50 W

Order Code	Full Product Name	Power Consumption
911401658307	BVP491 LED93/NW 70W SWB	70 W

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Order Code	Full Product Name	Power Consumption
911401658507	BVP491 LED136/NW 100W SWB	100 W
911401659607	BVP491 LED68/NW 50W SWB LP P7	50 W
911401665107	BVP493 LED261/WW 230W SAWB	230 W
911401665207	BVP493 LED341/NW 255W SWB	255 W
911401665307	BVP493 LED388/WW 305W NB	305 W
911401665507	BVP493 LED485/WW 380W NB	380 W
911401667607	BVP493 LED485/WW 380W NB LP P7	380 W
911401679406	BVP431 LED68/NW 220~240V 50W SMB GM	50 W
911401679506	BVP431 LED68/NW 220~240V 50W SWB GM	50 W
911401679606	BVP431 LED67/NW 220~240V 50W AMB GM	50 W
911401681206	BVP431 LED92/NW 220~240V 70W SMB GM	70 W
911401681306	BVP431 LED92/NW 220~240V 70W SWB GM	70 W
911401681406	BVP431 LED91/NW 220~240V 70W AMB GM	70 W
911401681606	BVP431 LED92/CW 220~240V 70W SWB GM	70 W
911401681706	BVP431 LED91/CW 220~240V 70W AMB GM	70 W
911401683206	BVP431 LED136/NW 220~240V 100W SWB GM	100 W
911401683306	BVP431 LED134/NW 220~240V 100W AMB GM	100 W
911401683406	BVP431 LED135/CW 220~240V 100W SMB GM	100 W

Order Code	Full Product Name	Power Consumption
911401683506	BVP431 LED135/CW 220~240V 100W SWB GM	100 W
911401683606	BVP431 LED133/CW 220~240V 100W AMB GM	100 W
911401687606	BVP432 LED161/CW 220~240V 120W SWB GM	120 W
911401689006	BVP432 LED206/NW 220~240V 150W SMB GM	120 W
911401689106	BVP432 LED206/NW 220~240V 150W SWB GM	150 W
911401689206	BVP432 LED203/NW 220~240V 150W AMB GM	150 W
911401689406	BVP432 LED204/CW 220~240V 150W SWB GM	150 W
911401689506	BVP432 LED202/CW 220~240V 150W AMB GM	150 W
911401690806	BVP432 LED274/NW 220~240V 200W SMB GM	200 W
911401690906	BVP432 LED274/NW 220~240V 200W SWB GM	200 W
911401691006	BVP432 LED271/NW 220~240V 200W AMB GM	200 W
911401691106	BVP432 LED272/CW 220~240V 200W SMB GM	200 W
911401691206	BVP432 LED272/CW 220~240V 200W SWB GM	200 W
911401691306	BVP432 LED269/CW 220~240V 200W AMB GM	200 W
911401661707	BVP492 LED244/WW 200W AMB	200 W
911401662607	BVP492 LED201/NW 150W SWB 1-10V P7	150 W
911401663507	BVP492 LED244/WW 200W AMB LP	200 W
911401607907	BVP433 LED384/CW 300W AMB CM GM	300 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
911401658207	BVP491 LED68/NW 50W SWB	No
911401658307	BVP491 LED93/NW 70W SWB	No
911401658507	BVP491 LED136/NW 100W SWB	No
911401659607	BVP491 LED68/NW 50W SWB LP P7	Yes
911401665107	BVP493 LED261/WW 230W SAWB	No
911401665207	BVP493 LED341/NW 255W SWB	No
911401665307	BVP493 LED388/WW 305W NB	No
911401665507	BVP493 LED485/WW 380W NB	No
911401667607	BVP493 LED485/WW 380W NB LP P7	Yes
911401679406	BVP431 LED68/NW 220~240V 50W SMB GM	No
911401679506	BVP431 LED68/NW 220~240V 50W SWB GM	No
911401679606	BVP431 LED67/NW 220~240V 50W AMB GM	No
911401681206	BVP431 LED92/NW 220~240V 70W SMB GM	No
911401681306	BVP431 LED92/NW 220~240V 70W SWB GM	No
911401681406	BVP431 LED91/NW 220~240V 70W AMB GM	No
911401681606	BVP431 LED92/CW 220~240V 70W SWB GM	No
911401681706	BVP431 LED91/CW 220~240V 70W AMB GM	No
911401683206	BVP431 LED136/NW 220~240V 100W SWB GM	No
911401683306	BVP431 LED134/NW 220~240V 100W AMB GM	No

Order Code	Full Product Name	Dimmable
911401683406	BVP431 LED135/CW 220~240V 100W SMB GM	No
911401683506	BVP431 LED135/CW 220~240V 100W SWB GM	No
911401683606	BVP431 LED133/CW 220~240V 100W AMB GM	No
911401687606	BVP432 LED161/CW 220~240V 120W SWB GM	No
911401689006	BVP432 LED206/NW 220~240V 150W SMB GM	No
911401689106	BVP432 LED206/NW 220~240V 150W SWB GM	No
911401689206	BVP432 LED203/NW 220~240V 150W AMB GM	No
911401689406	BVP432 LED204/CW 220~240V 150W SWB GM	No
911401689506	BVP432 LED202/CW 220~240V 150W AMB GM	No
911401690806	BVP432 LED274/NW 220~240V 200W SMB GM	No
911401690906	BVP432 LED274/NW 220~240V 200W SWB GM	No
911401691006	BVP432 LED271/NW 220~240V 200W AMB GM	No
911401691106	BVP432 LED272/CW 220~240V 200W SMB GM	No
911401691206	BVP432 LED272/CW 220~240V 200W SWB GM	No
911401691306	BVP432 LED269/CW 220~240V 200W AMB GM	No
911401661707	BVP492 LED244/WW 200W AMB	No
911401662607	BVP492 LED201/NW 150W SWB 1-10V P7	Yes
911401663507	BVP492 LED244/WW 200W AMB LP	Yes
911401607907	BVP433 LED384/CW 300W AMB CM GM	No

Mechanical and Housing

Order Code	Full Product Name	Optical cover type
911401658207	BVP491 LED68/NW 50W SWB	Glass
911401658307	BVP491 LED93/NW 70W SWB	Glass
911401658507	BVP491 LED136/NW 100W SWB	Glass
911401659607	BVP491 LED68/NW 50W SWB LP P7	Glass
911401665107	BVP493 LED261/WW 230W SAWB	Glass
911401665207	BVP493 LED341/NW 255W SWB	Glass

Order Code	Full Product Name	Optical cover type
911401665307	BVP493 LED388/WW 305W NB	Glass
911401665507	BVP493 LED485/WW 380W NB	Glass
911401667607	BVP493 LED485/WW 380W NB LP P7	Glass
911401679406	BVP431 LED68/NW 220~240V 50W SMB GM	Polycarbonate bowl/cover

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Order Code	Full Product Name	Optical cover type
911401679506	BVP431 LED68/NW 220~240V 50W SWB GM	Polycarbonate bowl/cover
911401679606	BVP431 LED67/NW 220~240V 50W AMB GM	Polycarbonate bowl/cover
911401681206	BVP431 LED92/NW 220~240V 70W SMB GM	Polycarbonate bowl/cover
911401681306	BVP431 LED92/NW 220~240V 70W SWB GM	Polycarbonate bowl/cover
911401681406	BVP431 LED91/NW 220~240V 70W AMB GM	Polycarbonate bowl/cover
911401681606	BVP431 LED92/CW 220~240V 70W SWB GM	Polycarbonate bowl/cover
911401681706	BVP431 LED91/CW 220~240V 70W AMB GM	Polycarbonate bowl/cover
911401683206	BVP431 LED136/NW 220~240V 100W SWB GM	Polycarbonate bowl/cover
911401683306	BVP431 LED134/NW 220~240V 100W AMB GM	Polycarbonate bowl/cover
911401683406	BVP431 LED135/CW 220~240V 100W SMB GM	Polycarbonate bowl/cover
911401683506	BVP431 LED135/CW 220~240V 100W SWB GM	Polycarbonate bowl/cover
911401683606	BVP431 LED133/CW 220~240V 100W AMB GM	Polycarbonate bowl/cover
911401687606	BVP432 LED161/CW 220~240V 120W SWB GM	Polycarbonate bowl/cover

Order Code	Full Product Name	Optical cover type
911401689006	BVP432 LED206/NW 220~240V 150W SMB GM	Polycarbonate bowl/cover
911401689106	BVP432 LED206/NW 220~240V 150W SWB GM	Polycarbonate bowl/cover
911401689206	BVP432 LED203/NW 220~240V 150W AMB GM	Polycarbonate bowl/cover
911401689406	BVP432 LED204/CW 220~240V 150W SWB GM	Polycarbonate bowl/cover
911401689506	BVP432 LED202/CW 220~240V 150W AMB GM	Polycarbonate bowl/cover
911401690806	BVP432 LED274/NW 220~240V 200W SMB GM	Polycarbonate bowl/cover
911401690906	BVP432 LED274/NW 220~240V 200W SWB GM	Polycarbonate bowl/cover
911401691006	BVP432 LED271/NW 220~240V 200W AMB GM	Polycarbonate bowl/cover
911401691106	BVP432 LED272/CW 220~240V 200W SMB GM	Polycarbonate bowl/cover
911401691206	BVP432 LED272/CW 220~240V 200W SWB GM	Polycarbonate bowl/cover
911401691306	BVP432 LED269/CW 220~240V 200W AMB GM	Polycarbonate bowl/cover
911401661707	BVP492 LED244/WW 200W AMB	Glass
911401662607	BVP492 LED201/NW 150W SWB 1-10V P7	Glass
911401663507	BVP492 LED244/WW 200W AMB LP	Glass
911401607907	BVP433 LED384/CW 300W AMB CM GM	Polycarbonate bowl/cover

Approval and Application

Order Code	Full Product Name	Flammability mark
911401658207	BVP491 LED68/NW 50W SWB	For mounting on normally flammable surfaces
911401658307	BVP491 LED93/NW 70W SWB	For mounting on normally flammable surfaces
911401658507	BVP491 LED136/NW 100W SWB	For mounting on normally flammable surfaces
911401659607	BVP491 LED68/NW 50W SWB LP P7	For mounting on normally flammable surfaces
911401665107	BVP493 LED261/WW 230W SAWB	For mounting on normally flammable surfaces
911401665207	BVP493 LED341/NW 255W SWB	For mounting on normally flammable surfaces
911401665307	BVP493 LED388/WW 305W NB	For mounting on normally flammable surfaces
911401665507	BVP493 LED485/WW 380W NB	For mounting on normally flammable surfaces
911401667607	BVP493 LED485/WW 380W NB LP P7	For mounting on normally flammable surfaces
911401679406	BVP431 LED68/NW 220~240V 50W SMB GM	-
911401679506	BVP431 LED68/NW 220~240V 50W SWB GM	-

Order Code	Full Product Name	Flammability mark
911401679606	BVP431 LED67/NW 220~240V 50W AMB GM	-
911401681206	BVP431 LED92/NW 220~240V 70W SMB GM	-
911401681306	BVP431 LED92/NW 220~240V 70W SWB GM	-
911401681406	BVP431 LED91/NW 220~240V 70W AMB GM	-
911401681606	BVP431 LED92/CW 220~240V 70W SWB GM	-
911401681706	BVP431 LED91/CW 220~240V 70W AMB GM	-
911401683206	BVP431 LED136/NW 220~240V 100W SWB GM	-
911401683306	BVP431 LED134/NW 220~240V 100W AMB GM	-
911401683406	BVP431 LED135/CW 220~240V 100W SMB GM	-
911401683506	BVP431 LED135/CW 220~240V 100W SWB GM	-
911401683606	BVP431 LED133/CW 220~240V 100W AMB GM	-

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Order Code	Full Product Name	Flammability mark
911401687606	BVP432 LED161/CW 220~240V 120W SWB GM	-
911401689006	BVP432 LED206/NW 220~240V 150W SMB GM	-
911401689106	BVP432 LED206/NW 220~240V 150W SWB GM	-
911401689206	BVP432 LED203/NW 220~240V 150W AMB GM	-
911401689406	BVP432 LED204/CW 220~240V 150W SWB GM	-
911401689506	BVP432 LED202/CW 220~240V 150W AMB GM	-
911401690806	BVP432 LED274/NW 220~240V 200W SMB GM	-
911401690906	BVP432 LED274/NW 220~240V 200W SWB GM	-

Order Code	Full Product Name	Flammability mark
911401691006	BVP432 LED271/NW 220~240V 200W AMB GM	-
911401691106	BVP432 LED272/CW 220~240V 200W SMB GM	-
911401691206	BVP432 LED272/CW 220~240V 200W SWB GM	-
911401691306	BVP432 LED269/CW 220~240V 200W AMB GM	-
911401661707	BVP492 LED244/WW 200W AMB	For mounting on normally flammable surfaces
911401662607	BVP492 LED201/NW 150W SWB 1-10V P7	For mounting on normally flammable surfaces
911401663507	BVP492 LED244/WW 200W AMB LP	For mounting on normally flammable surfaces
911401607907	BVP433 LED384/CW 300W AMB CM GM	-

