



# 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.

# Tango G4 LED Flood

## 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

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

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

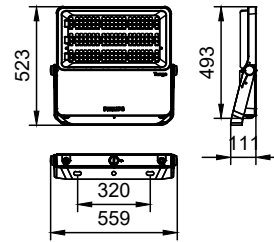
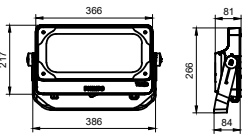
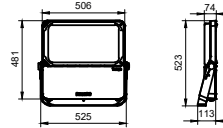
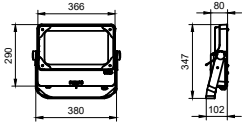
## Versions



BVP433

# Tango G4 LED Flood

## 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
97814200	BVP491 LED68/NW 50W SWB	White	4000 K	6,800 lm
97815900	BVP491 LED93/NW 70W SWB	White	4000 K	9,300 lm
97817300	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
97828900	BVP491 LED68/NW 50W SWB LP P7	White	4000 K	6,800 lm
97883800	BVP493 LED261/WW 230W SAWB	Warm white	3000 K	26,100 lm
97884500	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
97885200	BVP493 LED388/WW 305W NB	Warm white	3000 K	38,800 lm
97887600	BVP493 LED485/WW 380W NB	Warm white	3000 K	48,500 lm
97907100	BVP493 LED485/WW 380W NB LP P7	Warm white	3000 K	48,500 lm
54061300	BVP431 LED68/NW 220~240V 50W SMB GM	740 neutral white	4000 K	6,800 lm
54060600	BVP431 LED68/NW 220~240V 50W SWB GM	740 neutral white	4000 K	6,800 lm
54059000	BVP431 LED67/NW 220~240V 50W AMB GM	740 neutral white	4000 K	6,700 lm
54058300	BVP431 LED92/NW 220~240V 70W SMB GM	740 neutral white	4000 K	9,200 lm
54057600	BVP431 LED92/NW 220~240V 70W SWB GM	740 neutral white	4000 K	9,200 lm
54056900	BVP431 LED91/NW 220~240V 70W AMB GM	740 neutral white	4000 K	9,100 lm
54055200	BVP431 LED92/CW 220~240V 70W SMB GM	757 cool white	5700 K	9,200 lm
54054500	BVP431 LED92/CW 220~240V 70W SWB GM	757 cool white	5700 K	9,200 lm
54053800	BVP431 LED91/CW 220~240V 70W AMB GM	757 cool white	5700 K	9,100 lm
54052100	BVP431 LED136/NW 220~240V 100W SWB GM	740 neutral white	4000 K	13,600 lm
54051400	BVP431 LED134/NW 220~240V 100W AMB GM	740 neutral white	4000 K	13,400 lm
52443900	BVP431 LED135/CW 220~240V 100W SMB GM	757 cool white	5700 K	13,500 lm
52444600	BVP431 LED135/CW 220~240V 100W SWB GM	757 cool white	5700 K	13,500 lm
52442200	BVP431 LED133/CW 220~240V 100W AMB GM	757 cool white	5700 K	13,300 lm
54049100	BVP432 LED161/CW 220~240V 120W SWB GM	757 cool white	5700 K	16,100 lm
54048400	BVP432 LED206/NW 220~240V 150W SMB GM	740 neutral white	4000 K	20,600 lm

Order Code	Full Product Name	Light source color	Correlated Color	
			Temperature (Nom)	Luminous Flux
54047700	BVP432 LED206/NW 220~240V 150W SWB GM	740 neutral white	4000 K	20,600 lm
54046000	BVP432 LED203/NW 220~240V 150W AMB GM	740 neutral white	4000 K	20,300 lm
54045300	BVP432 LED204/CW 220~240V 150W SMB GM	757 cool white	5700 K	20,400 lm
54044600	BVP432 LED204/CW 220~240V 150W SWB GM	757 cool white	5700 K	20,400 lm
54043900	BVP432 LED202/CW 220~240V 150W AMB GM	757 cool white	5700 K	20,200 lm
54042200	BVP432 LED274/NW 220~240V 200W SMB GM	740 neutral white	4000 K	27,400 lm
54041500	BVP432 LED274/NW 220~240V 200W SWB GM	740 neutral white	4000 K	27,400 lm
54040800	BVP432 LED271/NW 220~240V 200W AMB GM	740 neutral white	4000 K	27,100 lm
52446000	BVP432 LED272/CW 220~240V 200W SMB GM	757 cool white	5700 K	27,200 lm
52447700	BVP432 LED272/CW 220~240V 200W SWB GM	757 cool white	5700 K	27,200 lm
52445300	BVP432 LED269/CW 220~240V 200W AMB GM	757 cool white	5700 K	26,900 lm
97849400	BVP492 LED244/WW 200W AMB	Warm white	3000 K	24,400 lm
97858600	BVP492 LED201/NW 150W SWB 1-10V P7	White	4000 K	20,100 lm
97867800	BVP492 LED244/WW 200W AMB LP	Warm white	3000 K	24,400 lm
54062000	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
97814200	BVP491 LED68/NW 50W SWB	50 W

Order Code	Full Product Name	Power Consumption
97815900	BVP491 LED93/NW 70W SWB	70 W

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Order Code	Full Product Name	Power Consumption
97817300	BVP491 LED136/NW 100W SWB	100 W
97828900	BVP491 LED68/NW 50W SWB LP P7	50 W
97883800	BVP493 LED261/WW 230W SAWB	230 W
97884500	BVP493 LED341/NW 255W SWB	255 W
97885200	BVP493 LED388/WW 305W NB	305 W
97887600	BVP493 LED485/WW 380W NB	380 W
97907100	BVP493 LED485/WW 380W NB LP P7	380 W
54061300	BVP431 LED68/NW 220~240V 50W SMB GM	50 W
54060600	BVP431 LED68/NW 220~240V 50W SWB GM	50 W
54059000	BVP431 LED67/NW 220~240V 50W AMB GM	50 W
54058300	BVP431 LED92/NW 220~240V 70W SMB GM	70 W
54057600	BVP431 LED92/NW 220~240V 70W SWB GM	70 W
54056900	BVP431 LED91/NW 220~240V 70W AMB GM	70 W
54055200	BVP431 LED92/CW 220~240V 70W SMB GM	70 W
54054500	BVP431 LED92/CW 220~240V 70W SWB GM	70 W
54053800	BVP431 LED91/CW 220~240V 70W AMB GM	70 W
54052100	BVP431 LED136/NW 220~240V 100W SWB GM	100 W
54051400	BVP431 LED134/NW 220~240V 100W AMB GM	100 W
52443900	BVP431 LED135/CW 220~240V 100W SMB GM	100 W

Order Code	Full Product Name	Power Consumption
52444600	BVP431 LED135/CW 220~240V 100W SWB GM	100 W
52442200	BVP431 LED133/CW 220~240V 100W AMB GM	100 W
54049100	BVP432 LED161/CW 220~240V 120W SWB GM	120 W
54048400	BVP432 LED206/NW 220~240V 150W SMB GM	120 W
54047700	BVP432 LED206/NW 220~240V 150W SWB GM	150 W
54046000	BVP432 LED203/NW 220~240V 150W AMB GM	150 W
54045300	BVP432 LED204/CW 220~240V 150W SMB GM	150 W
54044600	BVP432 LED204/CW 220~240V 150W SWB GM	150 W
54043900	BVP432 LED202/CW 220~240V 150W AMB GM	150 W
54042200	BVP432 LED274/NW 220~240V 200W SMB GM	200 W
54041500	BVP432 LED274/NW 220~240V 200W SWB GM	200 W
54040800	BVP432 LED271/NW 220~240V 200W AMB GM	200 W
52446000	BVP432 LED272/CW 220~240V 200W SMB GM	200 W
52447700	BVP432 LED272/CW 220~240V 200W SWB GM	200 W
52445300	BVP432 LED269/CW 220~240V 200W AMB GM	200 W
97849400	BVP492 LED244/WW 200W AMB	200 W
97858600	BVP492 LED201/NW 150W SWB 1-10V P7	150 W
97867800	BVP492 LED244/WW 200W AMB LP	200 W
54062000	BVP433 LED384/CW 300W AMB CM GM	300 W

### Controls and Dimming

Order Code	Full Product Name	Dimmable
97814200	BVP491 LED68/NW 50W SWB	No
97815900	BVP491 LED93/NW 70W SWB	No
97817300	BVP491 LED136/NW 100W SWB	No
97828900	BVP491 LED68/NW 50W SWB LP P7	Yes
97883800	BVP493 LED261/WW 230W SAWB	No
97884500	BVP493 LED341/NW 255W SWB	No
97885200	BVP493 LED388/WW 305W NB	No
97887600	BVP493 LED485/WW 380W NB	No
97907100	BVP493 LED485/WW 380W NB LP P7	Yes
54061300	BVP431 LED68/NW 220~240V 50W SMB GM	No
54060600	BVP431 LED68/NW 220~240V 50W SWB GM	No
54059000	BVP431 LED67/NW 220~240V 50W AMB GM	No
54058300	BVP431 LED92/NW 220~240V 70W SMB GM	No
54057600	BVP431 LED92/NW 220~240V 70W SWB GM	No
54056900	BVP431 LED91/NW 220~240V 70W AMB GM	No
54055200	BVP431 LED92/CW 220~240V 70W SMB GM	No
54054500	BVP431 LED92/CW 220~240V 70W SWB GM	No
54053800	BVP431 LED91/CW 220~240V 70W AMB GM	No
54052100	BVP431 LED136/NW 220~240V 100W SWB GM	No
54051400	BVP431 LED134/NW 220~240V 100W AMB GM	No

Order Code	Full Product Name	Dimmable
52443900	BVP431 LED135/CW 220~240V 100W SMB GM	No
52444600	BVP431 LED135/CW 220~240V 100W SWB GM	No
52442200	BVP431 LED133/CW 220~240V 100W AMB GM	No
54049100	BVP432 LED161/CW 220~240V 120W SWB GM	No
54048400	BVP432 LED206/NW 220~240V 150W SMB GM	No
54047700	BVP432 LED206/NW 220~240V 150W SWB GM	No
54046000	BVP432 LED203/NW 220~240V 150W AMB GM	No
54045300	BVP432 LED204/CW 220~240V 150W SMB GM	No
54044600	BVP432 LED204/CW 220~240V 150W SWB GM	No
54043900	BVP432 LED202/CW 220~240V 150W AMB GM	No
54042200	BVP432 LED274/NW 220~240V 200W SMB GM	No
54041500	BVP432 LED274/NW 220~240V 200W SWB GM	No
54040800	BVP432 LED271/NW 220~240V 200W AMB GM	No
52446000	BVP432 LED272/CW 220~240V 200W SMB GM	No
52447700	BVP432 LED272/CW 220~240V 200W SWB GM	No
52445300	BVP432 LED269/CW 220~240V 200W AMB GM	No
97849400	BVP492 LED244/WW 200W AMB	No
97858600	BVP492 LED201/NW 150W SWB 1-10V P7	Yes
97867800	BVP492 LED244/WW 200W AMB LP	Yes
54062000	BVP433 LED384/CW 300W AMB CM GM	No

### Mechanical and Housing

Order Code	Full Product Name	Optical cover type
97814200	BVP491 LED68/NW 50W SWB	Glass
97815900	BVP491 LED93/NW 70W SWB	Glass
97817300	BVP491 LED136/NW 100W SWB	Glass
97828900	BVP491 LED68/NW 50W SWB LP P7	Glass

Order Code	Full Product Name	Optical cover type
97883800	BVP493 LED261/WW 230W SAWB	Glass
97884500	BVP493 LED341/NW 255W SWB	Glass
97885200	BVP493 LED388/WW 305W NB	Glass
97887600	BVP493 LED485/WW 380W NB	Glass

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Order Code	Full Product Name	Optical cover type
97907100	BVP493 LED485/WW 380W NB LP P7	Glass
54061300	BVP431 LED68/NW 220~240V 50W SMB GM	Polycarbonate bowl/cover
54060600	BVP431 LED68/NW 220~240V 50W SWB GM	Polycarbonate bowl/cover
54059000	BVP431 LED67/NW 220~240V 50W AMB GM	Polycarbonate bowl/cover
54058300	BVP431 LED92/NW 220~240V 70W SMB GM	Polycarbonate bowl/cover
54057600	BVP431 LED92/NW 220~240V 70W SWB GM	Polycarbonate bowl/cover
54056900	BVP431 LED91/NW 220~240V 70W AMB GM	Polycarbonate bowl/cover
54055200	BVP431 LED92/CW 220~240V 70W SMB GM	Polycarbonate bowl/cover
54054500	BVP431 LED92/CW 220~240V 70W SWB GM	Polycarbonate bowl/cover
54053800	BVP431 LED91/CW 220~240V 70W AMB GM	Polycarbonate bowl/cover
54052100	BVP431 LED136/NW 220~240V 100W SWB GM	Polycarbonate bowl/cover
54051400	BVP431 LED134/NW 220~240V 100W AMB GM	Polycarbonate bowl/cover
52443900	BVP431 LED135/CW 220~240V 100W SMB GM	Polycarbonate bowl/cover
52444600	BVP431 LED135/CW 220~240V 100W SWB GM	Polycarbonate bowl/cover
52442200	BVP431 LED133/CW 220~240V 100W AMB GM	Polycarbonate bowl/cover
54049100	BVP432 LED161/CW 220~240V 120W SWB GM	Polycarbonate bowl/cover
54048400	BVP432 LED206/NW 220~240V 150W SMB GM	Polycarbonate bowl/cover
54047700	BVP432 LED206/NW 220~240V 150W SWB GM	Polycarbonate bowl/cover

Order Code	Full Product Name	Optical cover type
54046000	BVP432 LED203/NW 220~240V 150W AMB GM	Polycarbonate bowl/cover
54045300	BVP432 LED204/CW 220~240V 150W SMB GM	Polycarbonate bowl/cover
54044600	BVP432 LED204/CW 220~240V 150W SWB GM	Polycarbonate bowl/cover
54043900	BVP432 LED202/CW 220~240V 150W AMB GM	Polycarbonate bowl/cover
54042200	BVP432 LED274/NW 220~240V 200W SMB GM	Polycarbonate bowl/cover
54041500	BVP432 LED274/NW 220~240V 200W SWB GM	Polycarbonate bowl/cover
54040800	BVP432 LED271/NW 220~240V 200W AMB GM	Polycarbonate bowl/cover
52446000	BVP432 LED272/CW 220~240V 200W SMB GM	Polycarbonate bowl/cover
52447700	BVP432 LED272/CW 220~240V 200W SWB GM	Polycarbonate bowl/cover
52445300	BVP432 LED269/CW 220~240V 200W AMB GM	Polycarbonate bowl/cover
97849400	BVP492 LED244/WW 200W AMB	Glass
97858600	BVP492 LED201/NW 150W SWB 1-10V P7	Glass
97867800	BVP492 LED244/WW 200W AMB LP	Glass
54062000	BVP433 LED384/CW 300W AMB CM GM	Polycarbonate bowl/cover

### Approval and Application

Order Code	Full Product Name	Flammability mark
97814200	BVP491 LED68/NW 50W SWB	For mounting on normally flammable surfaces
97815900	BVP491 LED93/NW 70W SWB	For mounting on normally flammable surfaces
97817300	BVP491 LED136/NW 100W SWB	For mounting on normally flammable surfaces
97828900	BVP491 LED68/NW 50W SWB LP P7	For mounting on normally flammable surfaces
97883800	BVP493 LED261/WW 230W SAWB	For mounting on normally flammable surfaces
97884500	BVP493 LED341/NW 255W SWB	For mounting on normally flammable surfaces
97885200	BVP493 LED388/WW 305W NB	For mounting on normally flammable surfaces
97887600	BVP493 LED485/WW 380W NB	For mounting on normally flammable surfaces
97907100	BVP493 LED485/WW 380W NB LP P7	For mounting on normally flammable surfaces
54061300	BVP431 LED68/NW 220~240V 50W SMB GM	-
54060600	BVP431 LED68/NW 220~240V 50W SWB GM	-
54059000	BVP431 LED67/NW 220~240V 50W AMB GM	-
54058300	BVP431 LED92/NW 220~240V 70W SMB GM	-
54057600	BVP431 LED92/NW 220~240V 70W SWB GM	-
54056900	BVP431 LED91/NW 220~240V 70W AMB GM	-
54055200	BVP431 LED92/CW 220~240V 70W SMB GM	-
54054500	BVP431 LED92/CW 220~240V 70W SWB GM	-
54053800	BVP431 LED91/CW 220~240V 70W AMB GM	-

Order Code	Full Product Name	Flammability mark
54052100	BVP431 LED136/NW 220~240V 100W SWB GM	-
54051400	BVP431 LED134/NW 220~240V 100W AMB GM	-
52443900	BVP431 LED135/CW 220~240V 100W SMB GM	-
52444600	BVP431 LED135/CW 220~240V 100W SWB GM	-
52442200	BVP431 LED133/CW 220~240V 100W AMB GM	-
54049100	BVP432 LED161/CW 220~240V 120W SWB GM	-
54048400	BVP432 LED206/NW 220~240V 150W SMB GM	-
54047700	BVP432 LED206/NW 220~240V 150W SWB GM	-
54046000	BVP432 LED203/NW 220~240V 150W AMB GM	-
54045300	BVP432 LED204/CW 220~240V 150W SMB GM	-
54044600	BVP432 LED204/CW 220~240V 150W SWB GM	-
54043900	BVP432 LED202/CW 220~240V 150W AMB GM	-
54042200	BVP432 LED274/NW 220~240V 200W SMB GM	-
54041500	BVP432 LED274/NW 220~240V 200W SWB GM	-
54040800	BVP432 LED271/NW 220~240V 200W AMB GM	-
52446000	BVP432 LED272/CW 220~240V 200W SMB GM	-

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Order Code	Full Product Name	Flammability mark
52447700	BVP432 LED272/CW 220~240V 200W SWB GM	-
52445300	BVP432 LED269/CW 220~240V 200W AMB GM	-
97849400	BVP492 LED244/WW 200W AMB	For mounting on normally flammable surfaces

Order Code	Full Product Name	Flammability mark
97858600	BVP492 LED201/NW 150W SWB 1-10V P7	For mounting on normally flammable surfaces
97867800	BVP492 LED244/WW 200W AMB LP	For mounting on normally flammable surfaces
54062000	BVP433 LED384/CW 300W AMB CM GM	-

