



UltraEfficient and Versatile LED Floodlight

Tango Pro

Philips Tango Pro LED floodlight is the fifth generation of the Philips Tango LED floodlight. Tango Pro takes efficiency to the next level, delivering industry-best efficiency in a compact but elegant design. The luminaire can be applied in a versatile range of applications, from area lighting to recreational sports facilities. The LED driver comes in compact and robust housing that meets globally recognized safety standards. Its specially designed heat sink incorporates aesthetics and functionality to ensure excellent reliability. The modular, streamlined luminaire silhouette offers a visually balanced design. Philips Tango Pro LED floodlight is engineered to create brighter and safer environments. Powered by the latest LED technology, Tango Pro delivers superior performance in both light distribution and UltraEfficiency 170lm/W and up to 200lm/W. The long luminaire lifetime and recyclable materials supports your efforts to meet sustainability targets.

Benefits

- Product comes in High Efficiency and UltraEfficient versions for low carbon emissions and energy savings.
- 6 optics, 12 driver options and accessories (external louvers, safety chain, aiming device) allow you to meet a wide range of application requirements.
- Connected and system-ready (ready for interact and ZD4i) to be compatible with Interact platform.
- Appealing and sustainable design, and robust materials provide durability, robust quality and reliability against harsh environments.

Features

- UltraEfficiency version offers 170lm/W and system efficacy up to 200lm/W.
- Lumen packages ranging from 8,500 lumens to 85,000 lumens.
- High quality ADC1 diecast aluminum housing and stainless-steel bracket.
- 1,000 hrs/2,000 hrs marine salt protection (MSP) for coastline applications.
- IP66 ingress protection rating and IK08 impact protection rating.
- 100K cycles vibration tests at 3G in X, Y, and Z axis directions and 6G for crane version.
- Withstand 150km/h+ typhoon.
- 75K hours lifetime (L70, @ta=50°C).
- Certified operation at ambient temperature of 50°C.
- 5-year warranty.

Application

- Airports
- Arena and sports
- Parking garages
- Buildings, monuments, and façades
- Transportation terminals and tollways
- Billboard
- Ports and container yard
- Large industrial areas

Warnings and Safety

- For coastline applications, 2,000 hours (or above) MSP recommended (liability for wear-and-tear damages exempted)
- Not suitable for chemical industrial areas
- Not suitable for installation on moving objects

Specifications

Material	Housing: die-cast aluminium
	Bracket: carbon steel and stainless steel optional
Light Source	LED module
Installation	Surface mounted with Bolts M16, Flat washer D16, Spring washer D16
Connection	1.5m leading cable
Luminous flux	Up to 80000lm at ta=50°C
Correlated color temperature - CCT	5050 : 718/722/727/730/740/750/757/830/840/857
Luminaire efficacy	Typical 170lm/W Up to 200lm/W
Color Rendering index - CRI	CRI70, CRI80
Optical distribution	NB : 13° ; SMB: 57°
	S6 : 24° ; SWB: 78° * 27°
	AMB: Asym 36° and 92° * 52°
	SAWB : Asym 61° and 118° * 15°

Luminaire light beam spread	Symmetrical narrow Beam Symmetrical Middle Beam Symmetrical Wide Beam Super Asymmetric Wide Beam
Power	Up to 510W
Mains Voltage	Depending on driver configured , 220-240V for EP 1-10V; DALI; Coded Mains; SR, 110-277V for GL
Control system input	DALI / 1-10V / coded mains
Dimming	DALI / 1-10V
Operating Temperature range	-40 to +50 °C for config at ta=50C
Accessories	Safety chain
	Unified aiming device same as AVOV
	* aiming device adaptor to be ordered separately
Ingress protection	IP66
Certification	CB/EMC/CQC/SAA

Tango Pro

Versions



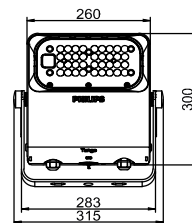
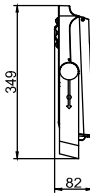
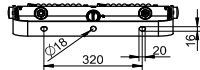
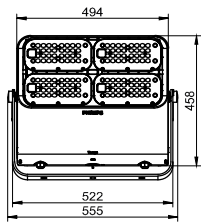
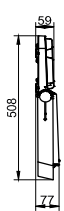
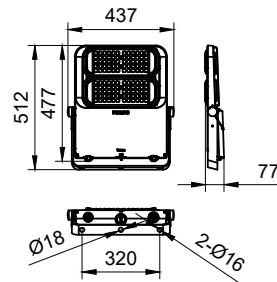
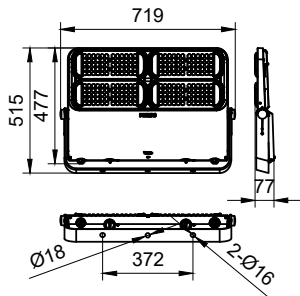
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Dimensional drawing



Product details

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General Information

Driver included	Yes
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Light Technical

Color rendering index (CRI)	70
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Mechanical and Housing

Optical cover type	Polycarbonate
Housing Color	RAL7040
Mech. impact protection code	IK08
Ingress protection code	IP66

Approval and Application

CE mark	Yes
Flammability mark	-

General Information

Order Code	Full Product Name	Service tag
911401612609	BVP565 LED672/757 430W EP SWB	Yes
911401612809	BVP565 LED577/730 430W EP SAWB	Yes
911401607809	BVP563 LED336/757 220W EP SWB	Yes
911401661909	BVP561 LED102/740 60W PSU SWBC	-
911401650009	BVP564 LED530/757 310W PSU SMB	-
911401651209	BVP564 LED530/757 310W EP SMB	-
911401653709	BVP564 LED567/740 440W EP SAWB	-
911401653809	BVP564 LED612/740 440W EP SWB	-

Light Technical

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401612609	BVP565 LED672/757 430W EP SWB	-	757 cool white	5700 K	67,200 lm
911401612809	BVP565 LED577/730 430W EP SAWB	-	730 warm white	3000 K	57,700 lm
911401607809	BVP563 LED336/757 220W EP SWB	-	757 cool white	5700 K	33,600 lm
911401661909	BVP561 LED102/740 60W PSU SWBC	92° x 55°	740 neutral white	4000 K	10,200 lm

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401650009	BVP564 LED530/757 310W PSU SMB	55°	757 cool white	5700 K	53,000 lm
911401651209	BVP564 LED530/757 310W EP SMB	55°	757 cool white	5700 K	53,000 lm
911401653709	BVP564 LED567/740 440W EP SAWB	116° x 15.7° x 65°	740 neutral white	4000 K	56,700 lm
911401653809	BVP564 LED612/740 440W EP SWB	73° x 26°	740 neutral white	4000 K	61,200 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401612609	BVP565 LED672/757 430W EP SWB	430 W
911401612809	BVP565 LED577/730 430W EP SAWB	430 W
911401607809	BVP563 LED336/757 220W EP SWB	220 W
911401661909	BVP561 LED102/740 60W PSU SWBC	60 W

Order Code	Full Product Name	Power Consumption
911401650009	BVP564 LED530/757 310W PSU SMB	310 W
911401651209	BVP564 LED530/757 310W EP SMB	310 W
911401653709	BVP564 LED567/740 440W EP SAWB	440 W
911401653809	BVP564 LED612/740 440W EP SWB	440 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
911401612609	BVP565 LED672/757 430W EP SWB	1-10V	-
911401612809	BVP565 LED577/730 430W EP SAWB	1-10V	-
911401607809	BVP563 LED336/757 220W EP SWB	1-10V	-
911401661909	BVP561 LED102/740 60W PSU SWBC	-	-

Order Code	Full Product Name	Dimmable	Maximum dim level
911401650009	BVP564 LED530/757 310W PSU SMB	-	Not applicable
911401651209	BVP564 LED530/757 310W EP SMB	1-10V	10%
911401653709	BVP564 LED567/740 440W EP SAWB	1-10V	10%
911401653809	BVP564 LED612/740 440W EP SWB	1-10V	10%

