



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

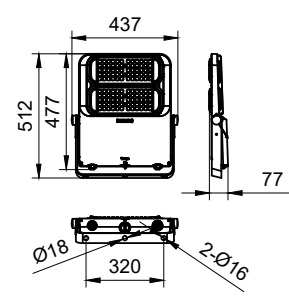
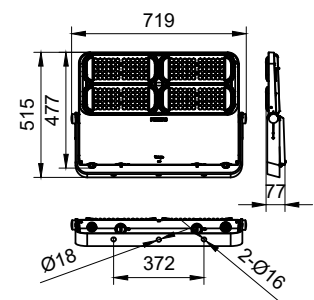
Specifications

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 - CRI70, CRI80	
CRI	
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	Symmetrical narrow Beam
spread	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

Dimensional drawing



Product details



Tango Pro, floodlight



Tango Pro, floodlight



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General Information	
Driver included	Yes
Service tag	Yes
Light Technical	
Color rendering index (CRI)	70
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	-

Light Technical

Order Code	Full Product Name	Light source color	Correlated Color	
			Temperature (Nom)	Luminous Flux
911401612009	BVP565 LED672/740 430W EP SWB	750 neutral white	4000 K	67,200 lm
911401612309	BVP565 LED672/750 430W EP SWB	750 neutral white	5000 K	67,200 lm
911401612609	BVP565 LED672/757 430W EP SWB	757 cool white	5700 K	67,200 lm
911401612709	BVP565 LED577/730 430W EP SAWB P7	730 warm white	3000 K	57,700 lm
911401612809	BVP565 LED577/730 430W EP SAWB	730 warm white	3000 K	57,700 lm
911401612909	BVP565 LED672/740 430W EP NB	740 neutral white	4000 K	67,200 lm
911401613009	BVP565 LED672/740 430W EP S6	740 neutral white	4000 K	67,200 lm
911401613109	BVP565 LED672/750 430W EP NB	750 neutral white	5000 K	67,200 lm
911401613209	BVP565 LED672/750 430W EP S6	750 neutral white	5000 K	67,200 lm

Order Code	Full Product Name	Correlated Color		
		Light source color	Temperature (Nom)	Luminous Flux
911401613309	BVP565 LED672/757 430W EP NB	757 cool white	5700 K	67,200 lm
911401613409	BVP565 LED672/757 430W EP S6	757 cool white	5700 K	67,200 lm
911401613809	BVP565 LED558/730 370W FP SWB	730 warm white	3000 K	55,800 lm
911401613909	BVP565 LED601/740 370W FP SWB	740 neutral white	4000 K	60,100 lm
911401614209	BVP565 LED601/750 370W FP SWB	750 neutral white	5000 K	60,100 lm
911401614509	BVP565 LED601/757 370W FP SWB	757 cool white	5700 K	60,100 lm
911401614709	BVP565 LED601/740 370W FP NB	740 neutral white	4000 K	60,100 lm
911401614809	BVP565 LED601/740 370W FP S6	740 neutral white	4000 K	60,100 lm
911401614909	BVP565 LED601/750 370W FP NB	750 neutral white	5000 K	60,100 lm
911401615009	BVP565 LED601/750 370W FP S6	750 neutral white	5000 K	60,100 lm
911401615109	BVP565 LED601/757 370W FP NB	757 cool white	5700 K	60,100 lm
911401615209	BVP565 LED601/757 370W FP S6	757 cool white	5700 K	60,100 lm
911401607109	BVP563 LED336/740 220W EP SWB	740 neutral white	4000 K	33,600 lm
911401607509	BVP563 LED336/750 220W EP SWB	750 neutral white	5000 K	33,600 lm
911401607809	BVP563 LED336/757 220W EP SWB	757 cool white	5700 K	33,600 lm
911401607909	BVP563 LED288/730 220W EP SAWB	730 warm white	3000 K	28,800 lm
911401610409	BVP563 LED288/730 220W EP SAWB P7	730 warm white	3000 K	28,800 lm
911401643809	BVP563 LED375/740 220W EP AMB	740 neutral white	4000 K	37,500 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
911401612009	BVP565 LED672/740 430W EP SWB	470 W	911401614509	BVP565 LED601/757 370W FP SWB	370 W
911401612309	BVP565 LED672/750 430W EP SWB	430 W	911401614709	BVP565 LED601/740 370W FP NB	370 W
911401612609	BVP565 LED672/757 430W EP SWB	430 W	911401614809	BVP565 LED601/740 370W FP S6	370 W
911401612709	BVP565 LED577/730 430W EP SAWB P7	430 W	911401614909	BVP565 LED601/750 370W FP NB	370 W
911401612809	BVP565 LED577/730 430W EP SAWB	430 W	911401615009	BVP565 LED601/750 370W FP S6	370 W
911401612909	BVP565 LED672/740 430W EP NB	430 W	911401615109	BVP565 LED601/757 370W FP NB	370 W
911401613009	BVP565 LED672/740 430W EP S6	430 W	911401615209	BVP565 LED601/757 370W FP S6	370 W
911401613109	BVP565 LED672/750 430W EP NB	430 W	911401607109	BVP563 LED336/740 220W EP SWB	220 W
911401613209	BVP565 LED672/750 430W EP S6	430 W	911401607509	BVP563 LED336/750 220W EP SWB	220 W
911401613309	BVP565 LED672/757 430W EP NB	430 W	911401607809	BVP563 LED336/757 220W EP SWB	220 W
911401613409	BVP565 LED672/757 430W EP S6	430 W	911401607909	BVP563 LED288/730 220W EP SAWB	220 W
911401613809	BVP565 LED558/730 370W FP SWB	370 W	911401610409	BVP563 LED288/730 220W EP SAWB P7	220 W
911401613909	BVP565 LED601/740 370W FP SWB	370 W	911401643809	BVP563 LED375/740 220W EP AMB	220 W
911401614209	BVP565 LED601/750 370W FP SWB	370 W			

Controls and Dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
911401612009	BVP565 LED672/740 430W EP SWB	1-10V	911401612809	BVP565 LED577/730 430W EP SAWB	1-10V
911401612309	BVP565 LED672/750 430W EP SWB	1-10V	911401612909	BVP565 LED672/740 430W EP NB	1-10V
911401612609	BVP565 LED672/757 430W EP SWB	1-10V	911401613009	BVP565 LED672/740 430W EP S6	1-10V
911401612709	BVP565 LED577/730 430W EP SAWB P7	1-10V	911401613109	BVP565 LED672/750 430W EP NB	1-10V

Order Code	Full Product Name	Dimmable
911401613209	BVP565 LED672/750 430W EP S6	1-10V
911401613309	BVP565 LED672/757 430W EP NB	1-10V
911401613409	BVP565 LED672/757 430W EP S6	1-10V
911401613809	BVP565 LED558/730 370W FP SWB	DALI
911401613909	BVP565 LED601/740 370W FP SWB	DALI
911401614209	BVP565 LED601/750 370W FP SWB	DALI
911401614509	BVP565 LED601/757 370W FP SWB	DALI
911401614709	BVP565 LED601/740 370W FP NB	DALI
911401614809	BVP565 LED601/740 370W FP S6	DALI
911401614909	BVP565 LED601/750 370W FP NB	DALI

Order Code	Full Product Name	Dimmable
911401615009	BVP565 LED601/750 370W FP S6	DALI
911401615109	BVP565 LED601/757 370W FP NB	DALI
911401615209	BVP565 LED601/757 370W FP S6	DALI
911401607109	BVP563 LED336/740 220W EP SWB	1-10V
911401607509	BVP563 LED336/750 220W EP SWB	1-10V
911401607809	BVP563 LED336/757 220W EP SWB	1-10V
911401607909	BVP563 LED288/730 220W EP SAWB	1-10V
911401610409	BVP563 LED288/730 220W EP SAWB P7	1-10V
911401643809	BVP563 LED375/740 220W EP AMB	1-10V

