



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



Tango Pro, floodlight

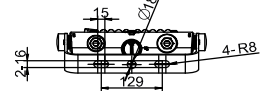
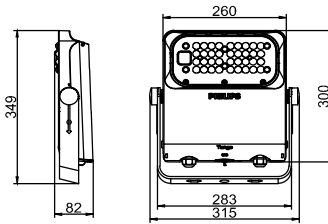
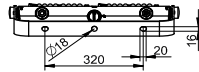
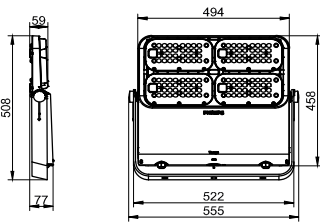
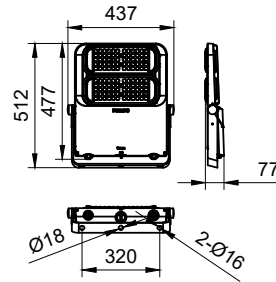
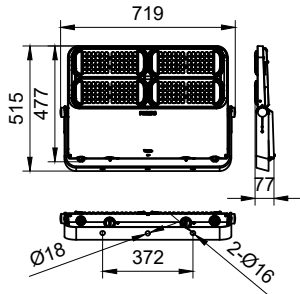


Tango Pro, floodlight



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Dimensional drawing



Product details

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Tango Pro

Product details



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General Information

Driver included 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 -

General Information

Order Code	Full Product Name	Service tag
911401612009	BVP565 LED672/740 430W EP SWB	Yes
911401612309	BVP565 LED672/750 430W EP SWB	Yes
911401612609	BVP565 LED672/757 430W EP SWB	Yes
911401612709	BVP565 LED577/730 430W EP SAWB P7	Yes
911401612809	BVP565 LED577/730 430W EP SAWB	Yes
911401612909	BVP565 LED672/740 430W EP NB	Yes
911401613009	BVP565 LED672/740 430W EP S6	Yes
911401613109	BVP565 LED672/750 430W EP NB	Yes
911401613209	BVP565 LED672/750 430W EP S6	Yes
911401613309	BVP565 LED672/757 430W EP NB	Yes
911401613409	BVP565 LED672/757 430W EP S6	Yes
911401613809	BVP565 LED558/730 370W FP SWB	Yes
911401613909	BVP565 LED601/740 370W FP SWB	Yes
911401614209	BVP565 LED601/750 370W FP SWB	Yes
911401614509	BVP565 LED601/757 370W FP SWB	Yes
911401614709	BVP565 LED601/740 370W FP NB	Yes
911401614809	BVP565 LED601/740 370W FP S6	Yes
911401614909	BVP565 LED601/750 370W FP NB	Yes
911401615009	BVP565 LED601/750 370W FP S6	Yes
911401615109	BVP565 LED601/757 370W FP NB	Yes
911401615209	BVP565 LED601/757 370W FP S6	Yes
911401607109	BVP563 LED336/740 220W EP SWB	Yes
911401607509	BVP563 LED336/750 220W EP SWB	Yes
911401607809	BVP563 LED336/757 220W EP SWB	Yes
911401607909	BVP563 LED288/730 220W EP SAWB	Yes
911401610409	BVP563 LED288/730 220W EP SAWB P7	Yes
911401643809	BVP563 LED375/740 220W EP AMB	Yes
911401662709	BVP561 LED187/740 120W EP AMB	-
911401650409	BVP564 LED410/757 240W EP SMB	-

Light Technical

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

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401612809	BVP565	-	730 warm	3000 K	57,700 lm
	LED577/730		white		
	430W EP SAWB				
911401612909	BVP565	-	740	4000 K	67,200 lm
	LED672/740		neutral		
	430W EP NB		white		
911401613009	BVP565	-	740	4000 K	67,200 lm
	LED672/740		neutral		
	430W EP S6		white		
911401613109	BVP565	-	750	5000 K	67,200 lm
	LED672/750		neutral		
	430W EP NB		white		

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401613209	BVP565 LED672/750 430W EP S6	-	750 neutral white	5000 K	67,200 lm
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

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
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
911401662709	BVP561 LED187/740 120W EP AMB	55°	740 neutral white	4000 K	18,714 lm
911401650409	BVP564 LED410/757 240W EP SMB	55°	757 cool white	5700 K	41,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401612009	BVP565 LED672/740 430W EP SWB	470 W
911401612309	BVP565 LED672/750 430W EP SWB	430 W
911401612609	BVP565 LED672/757 430W EP SWB	430 W
911401612709	BVP565 LED577/730 430W EP SAWB P7	430 W
911401612809	BVP565 LED577/730 430W EP SAWB	430 W
911401612909	BVP565 LED672/740 430W EP NB	430 W
911401613009	BVP565 LED672/740 430W EP S6	430 W
911401613109	BVP565 LED672/750 430W EP NB	430 W
911401613209	BVP565 LED672/750 430W EP S6	430 W
911401613309	BVP565 LED672/757 430W EP NB	430 W
911401613409	BVP565 LED672/757 430W EP S6	430 W
911401613809	BVP565 LED558/730 370W FP SWB	370 W

Order Code	Full Product Name	Power Consumption
911401613909	BVP565 LED601/740 370W FP SWB	370 W
911401614209	BVP565 LED601/750 370W FP SWB	370 W
911401614509	BVP565 LED601/757 370W FP SWB	370 W
911401614709	BVP565 LED601/740 370W FP NB	370 W
911401614809	BVP565 LED601/740 370W FP S6	370 W
911401614909	BVP565 LED601/750 370W FP NB	370 W
911401615009	BVP565 LED601/750 370W FP S6	370 W
911401615109	BVP565 LED601/757 370W FP NB	370 W
911401615209	BVP565 LED601/757 370W FP S6	370 W
911401607109	BVP563 LED336/740 220W EP SWB	220 W
911401607509	BVP563 LED336/750 220W EP SWB	220 W
911401607809	BVP563 LED336/757 220W EP SWB	220 W

Order Code	Full Product Name	Power Consumption
911401607909	BVP563 LED288/730 220W EP SAWB	220 W
911401610409	BVP563 LED288/730 220W EP SAWB P7	220 W
911401643809	BVP563 LED375/740 220W EP AMB	220 W

Order Code	Full Product Name	Power Consumption
911401662709	BVP561 LED187/740 120W EP AMB	120 W
911401650409	BVP564 LED410/757 240W EP SMB	240 W

Controls and Dimming

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

Order Code	Full Product Name	Dimmable	Maximum dim	
			level	
911401614709	BVP565 LED601/740 370W FP NB	DALI	-	
911401614809	BVP565 LED601/740 370W FP S6	DALI	-	
911401614909	BVP565 LED601/750 370W FP NB	DALI	-	
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	-	
911401662709	BVP561 LED187/740 120W EP AMB	1-10V	-	
911401650409	BVP564 LED410/757 240W EP SMB	1-10V	10%	

