



# 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

## Versions

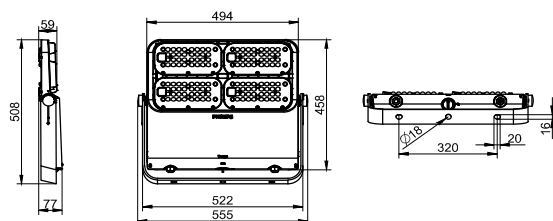
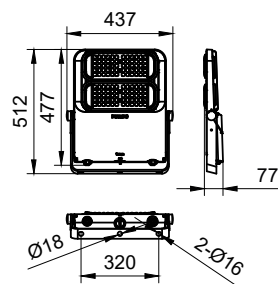
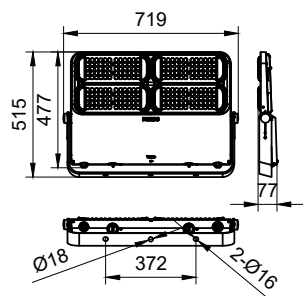


Tango Pro, floodlight



Tango Pro, floodlight

## Dimensional drawing



## Product details



Tango Pro, floodlight



Tango Pro, floodlight

Tango Pro

Product details



Tango Pro, floodlight



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General Information	
Driver included	Yes
Light Technical	
Light source color	740 neutral white
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	70
Controls and Dimming	
Dimmable	1-10V
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	-

Order Code	Full Product Name	Service tag
911401616309	BVP565 LED622/740 430W EP SAWB ANZ	Yes
911401616409	BVP565 LED672/740 430W EP SWB ANZ	Yes
911401644409	BVP565 LED800/740 470W EP AMB ANZ	Yes
911401609309	BVP563 LED311/740 220W EP SAWB ANZ	Yes
911401609409	BVP563 LED336/740 220W EP SWB ANZ	Yes
911401644109	BVP563 LED375/740 220W EP AMB ANZ	Yes
911401654509	BVP564 LED530/740 310W EP AMB ANZ	-

Light Technical

Order Code	Full Product Name	Luminaire light	
		beam spread	Luminous Flux
911401616309	BVP565 LED622/740 430W EP SAWB ANZ	-	62,200 lm
911401616409	BVP565 LED672/740 430W EP SWB ANZ	-	67,200 lm
911401644409	BVP565 LED800/740 470W EP AMB ANZ	-	80,000 lm
911401609309	BVP563 LED311/740 220W EP SAWB ANZ	-	31,100 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401616309	BVP565 LED622/740 430W EP SAWB ANZ	430 W
911401616409	BVP565 LED672/740 430W EP SWB ANZ	430 W
911401644409	BVP565 LED800/740 470W EP AMB ANZ	470 W
911401609309	BVP563 LED311/740 220W EP SAWB ANZ	220 W

Controls and Dimming

Order Code	Full Product Name	Maximum dim level
911401616309	BVP565 LED622/740 430W EP SAWB ANZ	-
911401616409	BVP565 LED672/740 430W EP SWB ANZ	-
911401644409	BVP565 LED800/740 470W EP AMB ANZ	-
911401609309	BVP563 LED311/740 220W EP SAWB ANZ	-

Order Code	Full Product Name	Luminaire light	
		beam spread	Luminous Flux
911401609409	BVP563 LED336/740 220W EP SWB ANZ	-	33,600 lm
911401644109	BVP563 LED375/740 220W EP AMB ANZ	-	37,500 lm
911401654509	BVP564 LED530/740 310W EP AMB ANZ	91.6° x 55.1° x 34°	53,000 lm

Order Code	Full Product Name	Power Consumption
911401609409	BVP563 LED336/740 220W EP SWB ANZ	220 W
911401644109	BVP563 LED375/740 220W EP AMB ANZ	470 W
911401654509	BVP564 LED530/740 310W EP AMB ANZ	310 W

Order Code	Full Product Name	Maximum dim level
911401609409	BVP563 LED336/740 220W EP SWB ANZ	-
911401644109	BVP563 LED375/740 220W EP AMB ANZ	-
911401654509	BVP564 LED530/740 310W EP AMB ANZ	10%

