



# UltraEfficient and Versatile LED Floodlight

## Tango Pro

Tango Pro LED floodlight is the fifth generation of the 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. 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

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

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

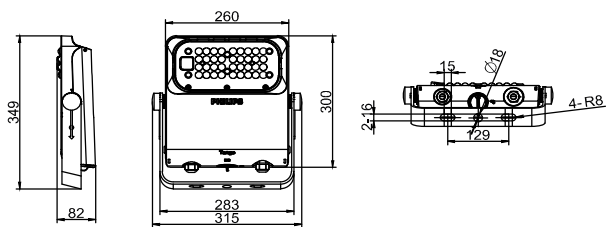
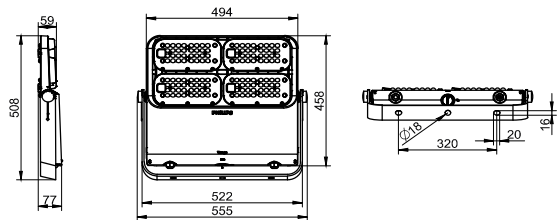
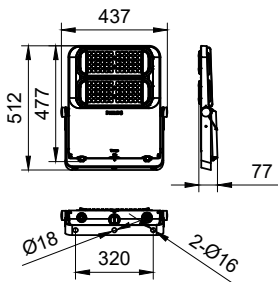
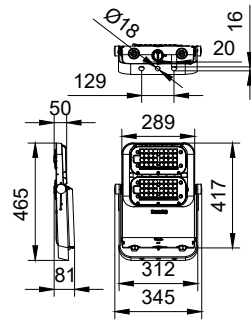
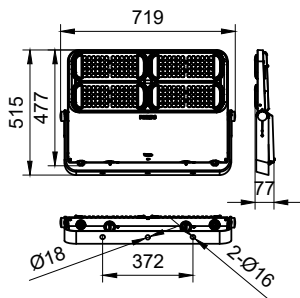
# Tango Pro

## Versions



Tango Pro, floodlight

## Dimensional drawing



# Tango Pro

## Product details



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## Product details



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### General Information

Driver included	Yes
<b>Light Technical</b>	
Color rendering index (CRI)	70
<b>Mechanical and Housing</b>	
Optical cover type	Polycarbonate
Housing Color	RAL7040
Mech. impact protection code	IK08
Ingress protection code	IP66
<b>Approval and Application</b>	
CE mark	Yes
Flammability mark	-

### General Information

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
911401644109	BVP563 LED375/740 220W EP AMB ANZ	Yes
911401661509	BVP561 LED68/740 40W PSU AMB	-
911401661809	BVP561 LED102/740 60W PSU AMB	-
911401662109	BVP561 LED135/740 78W PSU AMB	-
911401679509	BVP561 LED163/757 100W SR SMB P7SR ANZ	-
911401650109	BVP564 LED410/740 240W EP AMB	-
911401652109	BVP564 LED555/740 380W EP S6	-
911401663609	BVP562 LED270/740 155W PSU AMB	-

## Light Technical

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401616309	BVP565 LED622/740 430W EP SAWB ANZ	-	740 neutral white	4000 K	62,200 lm
911401616409	BVP565 LED672/740 430W EP SWB ANZ	-	740 neutral white	4000 K	67,200 lm
911401644409	BVP565 LED800/740 470W EP AMB ANZ	-	740 neutral white	4000 K	80,000 lm
911401609309	BVP563 LED311/740 220W EP SAWB ANZ	-	740 neutral white	4000 K	31,100 lm

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401644109	BVP563 LED375/740 220W EP AMB ANZ	-	740 neutral white	4000 K	37,500 lm
911401661509	BVP561 LED68/740 40W PSU AMB	55°	740 neutral white	4000 K	6,800 lm
911401661809	BVP561 LED102/740 60W PSU AMB	89°	740 neutral white	4000 K	10,200 lm
911401662109	BVP561 LED135/740 78W PSU AMB	89°	740 neutral white	4000 K	13,500 lm
911401679509	BVP561 LED163/757 100W SR SMB P7SR ANZ	55°	757 cool white	5700 K	16,277 lm

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401650109	BVP564	91.6° x 55.1°	740	4000 K	41,000 lm
	LED410/740	x 34°	neutral		
	240W EP AMB		white		
911401652109	BVP564	23°	740	4000 K	55,500 lm
	LED555/740		neutral		
	380W EP S6		white		

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401663609	BVP562	60° x 90°	White	4000 K	27,000 lm
	LED270/740				
	155W PSU AMB				

## 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
911401644109	BVP563 LED375/740 220W EP AMB ANZ	220 W
911401661509	BVP561 LED68/740 40W PSU AMB	40 W

Order Code	Full Product Name	Power Consumption
911401661809	BVP561 LED102/740 60W PSU AMB	60 W
911401662109	BVP561 LED135/740 78W PSU AMB	78 W
911401679509	BVP561 LED163/757 100W SR SMB P7SR ANZ	100 W
911401650109	BVP564 LED410/740 240W EP AMB	240 W
911401652109	BVP564 LED555/740 380W EP S6	380 W
911401663609	BVP562 LED270/740 155W PSU AMB	155 W

## Controls and Dimming

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
911401616309	BVP565 LED622/740 430W EP SAWB ANZ	1-10V	-
	ANZ		
911401616409	BVP565 LED672/740 430W EP SWB ANZ	1-10V	-
911401644409	BVP565 LED800/740 470W EP AMB ANZ	1-10V	-
911401609309	BVP563 LED311/740 220W EP SAWB ANZ	1-10V	-
911401644109	BVP563 LED375/740 220W EP AMB ANZ	1-10V	-
911401661509	BVP561 LED68/740 40W PSU AMB	-	-

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
911401661809	BVP561 LED102/740 60W PSU AMB	-	-
911401662109	BVP561 LED135/740 78W PSU AMB	-	-
911401679509	BVP561 LED163/757 100W SR SMB P7SR ANZ	DALI	-
	ANZ		
911401650109	BVP564 LED410/740 240W EP AMB	1-10V	10%
911401652109	BVP564 LED555/740 380W EP S6	1-10V	10%
911401663609	BVP562 LED270/740 155W PSU AMB	No	-

