



# 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

<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

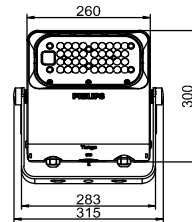
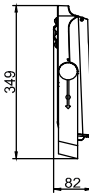
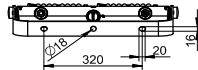
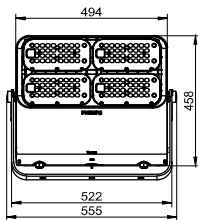
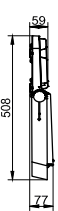
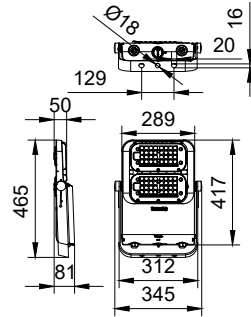
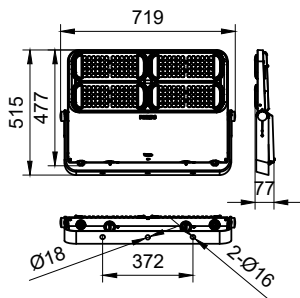
# Tango Pro

## Versions



Tango Pro, floodlight

## Dimensional drawing



## Product details



Tango Pro, floodlight



Tango Pro, floodlight

# Tango Pro

## Product details

Tango Pro, floodlight



Tango Pro, floodlight



Tango Pro, floodlight



Tango Pro, floodlight



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Tango Pro, floodlight



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Tango Pro, floodlight



Tango Pro, floodlight



General Information	
Driver included	Yes
Light Technical	
Color rendering index (CRI)	70
Mechanical and Housing	
Optical cover type	Polycarbonate
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	Order Code	Full Product Name	Service tag
99406700	BVP565 LED672/757 430W EP SWB	Yes	911401667609	BVP561PC LED187/740 120W WLP SMB	-
911401613309	BVP565 LED672/757 430W EP NB	Yes	911401679109	BVP561 LED163/740 100W WLP SMB P7	-
99465400	BVP565 LED672/757 430W EP S6	Yes	911401679209	BVP561 LED163/740 100W GL SMB	-
911401661409	BVP561 LED68/740 40W PSU SMB	-	911401679309	BVP561 LED163/740 100W GL SMB P7	-
911401661509	BVP561 LED68/740 40W PSU AMB	-	911401680609	BVP561PC LED163/740 100W FP SMB	-
911401661609	BVP561 LED68/740 40W PSU SWBC	-	911401680709	BVP561PC LED142/740 100W WLP NB	-
911401661709	BVP561 LED102/740 60W PSU SMB	-	911401680809	BVP561PC LED142/740 100W FP NB	-
911401661809	BVP561 LED102/740 60W PSU AMB	-	911401649909	BVP564 LED530/740 310W PSU SMB	-
911401661909	BVP561 LED102/740 60W PSU SWBC	-	911401650409	BVP564 LED410/757 240W EP SMB	-
911401662009	BVP561 LED135/740 78W PSU SMB	-	911401650809	BVP564 LED470/757 275W EP SMB	-
911401662109	BVP561 LED135/740 78W PSU AMB	-	911401650909	BVP564 LED530/740 310W EP AMB	-
99458600	BVP561 LED135/740 78W PSU SWBC	-	911401651309	BVP564 LED625/740 380W EP AMB	-
911401662309	BVP561 LED40/740 20W WLP SMB	-	911401651409	BVP564 LED625/740 380W EP SMB	-
911401662409	BVP561 LED40/740 20W WLP AMB	-	911401651909	BVP564 LED520/740 350W EP NB	-
911401662509	BVP561 LED40/740 20W WLP SWBC	-	911401652009	BVP564 LED555/740 380W EP NB	-
911401662609	BVP561 LED187/740 120W EP SMB	-	99443299	BVP564 LED555/740 380W EP SWB	-
911401662709	BVP561 LED187/740 120W EP AMB	-	911401663709	BVP562 LED270/740 155W PSU SWBC	-
83067700	BVP561 LED187/740 120W EP SWBC	-	911401663809	BVP562 LED285/740 170W WLP SMB	-
911401662909	BVP561 LED187/740 120W WLP SMB	-	911401664109	BVP562 LED326/740 200W WLP SMB	-
911401663009	BVP561 LED187/740 120W WLP AMB	-	911401664609	BVP562 LED374/740 240W WLP SWB	-
911401663109	BVP561 LED187/740 120W WLP SWBC	-			

## Light Technical

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
99406700	BVP565 LED672/757 430W EP SWB	-	757 cool white	5700 K	67,200 lm
911401613309	BVP565 LED672/757 430W EP NB	-	757 cool white	5700 K	67,200 lm

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
99465400	BVP565 LED672/757 430W EP S6	-	757 cool white	5700 K	67,200 lm
911401661409	BVP561 LED68/740 40W PSU SMB	89°	740 neutral white	4000 K	6,800 lm

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401661509	BVP561	55°	740	4000 K	6,800 lm
	LED68/740 40W		neutral		
	PSU AMB		white		
911401661609	BVP561	55°	740	4000 K	6,800 lm
	LED68/740 40W		neutral		
	PSU SWBC		white		
911401661709	BVP561	55°	740	4000 K	10,200 lm
	LED102/740 60W		neutral		
	PSU SMB		white		
911401661809	BVP561	89°	740	4000 K	10,200 lm
	LED102/740 60W		neutral		
	PSU AMB		white		
911401661909	BVP561	92° x 55°	740	4000 K	10,200 lm
	LED102/740 60W		neutral		
	PSU SWBC		white		
911401662009	BVP561	55°	740	4000 K	13,500 lm
	LED135/740 78W		neutral		
	PSU SMB		white		
911401662109	BVP561	89°	740	4000 K	13,500 lm
	LED135/740 78W		neutral		
	PSU AMB		white		
99458600	BVP561	92° x 55°	740	4000 K	13,500 lm
	LED135/740 78W		neutral		
	PSU SWBC		white		
911401662309	BVP561	55°	740	4000 K	4,000 lm
	LED40/740 20W		neutral		
	WLP SMB		white		
911401662409	BVP561	55°	740	4000 K	4,000 lm
	LED40/740 20W		neutral		
	WLP AMB		white		
911401662509	BVP561	55°	740	4000 K	4,000 lm
	LED40/740 20W		neutral		
	WLP SWBC		white		
911401662609	BVP561	55°	740	4000 K	18,714 lm
	LED187/740		neutral		
	120W EP SMB		white		
911401662709	BVP561	55°	740	4000 K	18,714 lm
	LED187/740		neutral		
	120W EP AMB		white		
83067700	BVP561	89°	740	4000 K	18,714 lm
	LED187/740		neutral		
	120W EP SWBC		white		
911401662909	BVP561	55°	740	4000 K	18,714 lm
	LED187/740		neutral		
	120W WLP SMB		white		
911401663009	BVP561	89°	740	4000 K	18,714 lm
	LED187/740		neutral		
	120W WLP AMB		white		

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401663109	BVP561	92° x 55°	740	4000 K	18,714 lm
	LED187/740		neutral		
	120W WLP SWBC		white		
911401667609	BVP561PC	55°	740	4000 K	18,714 lm
	LED187/740		neutral		
	120W WLP SMB		white		
911401679109	BVP561	55°	740	4000 K	16,277 lm
	LED163/740		neutral		
	100W WLP SMB		white		
911401679209	BVP561	92° x 55°	740	4000 K	16,277 lm
	LED163/740		neutral		
	100W GL SMB		white		
911401679309	BVP561	89°	740	4000 K	16,277 lm
	LED163/740		neutral		
	100W GL SMB P7		white		
911401680609	BVP561PC	12°	740	4000 K	16,277 lm
	LED163/740		neutral		
	100W FP SMB		white		
911401680709	BVP561PC	89°	740	4000 K	14,168 lm
	LED142/740		neutral		
	100W WLP NB		white		
911401680809	BVP561PC	12°	740	4000 K	14,168 lm
	LED142/740		neutral		
	100W FP NB		white		
911401649909	BVP564	55°	740	4000 K	53,000 lm
	LED530/740		neutral		
	310W PSU SMB		white		
911401650409	BVP564	55°	757 cool	5700 K	41,000 lm
	LED410/757		white		
	240W EP SMB				
911401650809	BVP564	55°	757 cool	5700 K	47,000 lm
	LED470/757		white		
	275W EP SMB				
911401650909	BVP564	91.6° x 55.1°	740	4000 K	53,000 lm
	LED530/740	x 34°	neutral		
	310W EP AMB		white		
911401651309	BVP564	91.6° x 55.1°	740	4000 K	62,500 lm
	LED625/740	x 34°	neutral		
	380W EP AMB		white		
911401651409	BVP564	55°	740	4000 K	62,500 lm
	LED625/740		neutral		
	380W EP SMB		white		
911401651909	BVP564	12°	740	4000 K	52,000 lm
	LED520/740		neutral		
	350W EP NB		white		
911401652009	BVP564	12°	740	4000 K	55,500 lm
	LED555/740		neutral		
	380W EP NB		white		

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
99443299	BVP564 LED555/740 380W EP SWB	73° x 26°	740 neutral white	4000 K	55,500 lm
911401663709	BVP562 LED270/740 155W PSU SWBC	88°	White	4000 K	27,000 lm
911401663809	BVP562 LED285/740 170W WLP SMB	57°	White	4000 K	28,500 lm

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Luminous Flux
911401664109	BVP562 LED326/740 200W WLP SMB	57°	White	4000 K	32,554 lm
911401664609	BVP562 LED374/740 240W WLP SWB	88°	White	4000 K	37,427 lm

## Operating and Electrical

Order Code	Full Product Name	Power Consumption
99406700	BVP565 LED672/757 430W EP SWB	430 W
911401613309	BVP565 LED672/757 430W EP NB	430 W
99465400	BVP565 LED672/757 430W EP S6	430 W
911401661409	BVP561 LED68/740 40W PSU SMB	40 W
911401661509	BVP561 LED68/740 40W PSU AMB	40 W
911401661609	BVP561 LED68/740 40W PSU SWBC	40 W
911401661709	BVP561 LED102/740 60W PSU SMB	60 W
911401661809	BVP561 LED102/740 60W PSU AMB	60 W
911401661909	BVP561 LED102/740 60W PSU SWBC	60 W
911401662009	BVP561 LED135/740 78W PSU SMB	78 W
911401662109	BVP561 LED135/740 78W PSU AMB	78 W
99458600	BVP561 LED135/740 78W PSU SWBC	78 W
911401662309	BVP561 LED40/740 20W WLP SMB	20 W
911401662409	BVP561 LED40/740 20W WLP AMB	20 W
911401662509	BVP561 LED40/740 20W WLP SWBC	20 W
911401662609	BVP561 LED187/740 120W EP SMB	120 W
911401662709	BVP561 LED187/740 120W EP AMB	120 W
83067700	BVP561 LED187/740 120W EP SWBC	120 W
911401662909	BVP561 LED187/740 120W WLP SMB	120 W
911401663009	BVP561 LED187/740 120W WLP AMB	120 W
911401663109	BVP561 LED187/740 120W WLP SWBC	120 W

Order Code	Full Product Name	Power Consumption
911401667609	BVP561PC LED187/740 120W WLP SMB	120 W
911401679109	BVP561 LED163/740 100W WLP SMB P7	100 W
911401679209	BVP561 LED163/740 100W GL SMB	100 W
911401679309	BVP561 LED163/740 100W GL SMB P7	100 W
911401680609	BVP561PC LED163/740 100W FP SMB	100 W
911401680709	BVP561PC LED142/740 100W WLP NB	100 W
911401680809	BVP561PC LED142/740 100W FP NB	100 W
911401649909	BVP564 LED530/740 310W PSU SMB	310 W
911401650409	BVP564 LED410/757 240W EP SMB	240 W
911401650809	BVP564 LED470/757 275W EP SMB	275 W
911401650909	BVP564 LED530/740 310W EP AMB	310 W
911401651309	BVP564 LED625/740 380W EP AMB	380 W
911401651409	BVP564 LED625/740 380W EP SMB	380 W
911401651909	BVP564 LED520/740 350W EP NB	350 W
911401652009	BVP564 LED555/740 380W EP NB	380 W
99443299	BVP564 LED555/740 380W EP SWB	380 W
911401663709	BVP562 LED270/740 155W PSU SWBC	155 W
911401663809	BVP562 LED285/740 170W WLP SMB	170 W
911401664109	BVP562 LED326/740 200W WLP SMB	200 W
911401664609	BVP562 LED374/740 240W WLP SWB	240 W

## Controls and Dimming

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
99406700	BVP565 LED672/757 430W EP SWB	1-10V	-
911401613309	BVP565 LED672/757 430W EP NB	1-10V	-
99465400	BVP565 LED672/757 430W EP S6	1-10V	-
911401661409	BVP561 LED68/740 40W PSU SMB	-	-
911401661509	BVP561 LED68/740 40W PSU AMB	-	-
911401661609	BVP561 LED68/740 40W PSU SWBC	-	-
911401661709	BVP561 LED102/740 60W PSU SMB	-	-
911401661809	BVP561 LED102/740 60W PSU AMB	-	-
911401661909	BVP561 LED102/740 60W PSU SWBC	-	-

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
911401662009	BVP561 LED135/740 78W PSU SMB	-	-
911401662109	BVP561 LED135/740 78W PSU AMB	-	-
99458600	BVP561 LED135/740 78W PSU SWBC	-	-
911401662309	BVP561 LED40/740 20W WLP SMB	1-10V	-
911401662409	BVP561 LED40/740 20W WLP AMB	1-10V	-
911401662509	BVP561 LED40/740 20W WLP SWBC	1-10V	-
911401662609	BVP561 LED187/740 120W EP SMB	1-10V	-
911401662709	BVP561 LED187/740 120W EP AMB	1-10V	-
83067700	BVP561 LED187/740 120W EP SWBC	1-10V	-

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
911401662909	BVP561 LED187/740 120W WLP SMB	1-10V	-
911401663009	BVP561 LED187/740 120W WLP AMB	1-10V	-
911401663109	BVP561 LED187/740 120W WLP SWBC	1-10V	-
911401667609	BVP561PC LED187/740 120W WLP SMB	1-10V	-
911401679109	BVP561 LED163/740 100W WLP SMB P7	1-10V	-
911401679209	BVP561 LED163/740 100W GL SMB	1-10V	-
911401679309	BVP561 LED163/740 100W GL SMB P7	1-10V	-
911401680609	BVP561PC LED163/740 100W FP SMB	DALI	-
911401680709	BVP561PC LED142/740 100W WLP NB	1-10V	-
911401680809	BVP561PC LED142/740 100W FP NB	DALI	-
911401649909	BVP564 LED530/740 310W PSU SMB	-	Not applicable
911401650409	BVP564 LED410/757 240W EP SMB	1-10V	10%

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
911401650809	BVP564 LED470/757 275W EP SMB	1-10V	10%
911401650909	BVP564 LED530/740 310W EP AMB	1-10V	10%
911401651309	BVP564 LED625/740 380W EP AMB	1-10V	10%
911401651409	BVP564 LED625/740 380W EP SMB	1-10V	10%
911401651909	BVP564 LED520/740 350W EP NB	1-10V	10%
911401652009	BVP564 LED555/740 380W EP NB	1-10V	10%
99443299	BVP564 LED555/740 380W EP SWB	1-10V	10%
911401663709	BVP562 LED270/740 155W PSU SWBC	No	-
911401663809	BVP562 LED285/740 170W WLP SMB	Yes	-
911401664109	BVP562 LED326/740 200W WLP SMB	Yes	-
911401664609	BVP562 LED374/740 240W WLP SWB	Yes	-

## Mechanical and Housing

Order Code	Full Product Name	Housing Color
99406700	BVP565 LED672/757 430W EP SWB	RAL7040
911401613309	BVP565 LED672/757 430W EP NB	RAL7040
99465400	BVP565 LED672/757 430W EP S6	RAL7040
911401661409	BVP561 LED68/740 40W PSU SMB	RAL7040
911401661509	BVP561 LED68/740 40W PSU AMB	RAL7040
911401661609	BVP561 LED68/740 40W PSU SWBC	RAL7040
911401661709	BVP561 LED102/740 60W PSU SMB	RAL7040
911401661809	BVP561 LED102/740 60W PSU AMB	RAL7040
911401661909	BVP561 LED102/740 60W PSU SWBC	RAL7040
911401662009	BVP561 LED135/740 78W PSU SMB	RAL7040
911401662109	BVP561 LED135/740 78W PSU AMB	RAL7040
99458600	BVP561 LED135/740 78W PSU SWBC	RAL7040
911401662309	BVP561 LED40/740 20W WLP SMB	RAL7040
911401662409	BVP561 LED40/740 20W WLP AMB	RAL7040
911401662509	BVP561 LED40/740 20W WLP SWBC	RAL7040
911401662609	BVP561 LED187/740 120W EP SMB	RAL7040
911401662709	BVP561 LED187/740 120W EP AMB	RAL7040
83067700	BVP561 LED187/740 120W EP SWBC	RAL7040
911401662909	BVP561 LED187/740 120W WLP SMB	RAL7040
911401663009	BVP561 LED187/740 120W WLP AMB	RAL7040
911401663109	BVP561 LED187/740 120W WLP SWBC	RAL7040

Order Code	Full Product Name	Housing Color
911401667609	BVP561PC LED187/740 120W WLP SMB	RAL 9007
911401679109	BVP561 LED163/740 100W WLP SMB P7	RAL7040
911401679209	BVP561 LED163/740 100W GL SMB	RAL7040
911401679309	BVP561 LED163/740 100W GL SMB P7	RAL7040
911401680609	BVP561PC LED163/740 100W FP SMB	RAL 9007
911401680709	BVP561PC LED142/740 100W WLP NB	RAL 9007
911401680809	BVP561PC LED142/740 100W FP NB	RAL 9007
911401649909	BVP564 LED530/740 310W PSU SMB	RAL7040
911401650409	BVP564 LED410/757 240W EP SMB	RAL7040
911401650809	BVP564 LED470/757 275W EP SMB	RAL7040
911401650909	BVP564 LED530/740 310W EP AMB	RAL7040
911401651309	BVP564 LED625/740 380W EP AMB	RAL7040
911401651409	BVP564 LED625/740 380W EP SMB	RAL7040
911401651909	BVP564 LED520/740 350W EP NB	RAL7040
911401652009	BVP564 LED555/740 380W EP NB	RAL7040
99443299	BVP564 LED555/740 380W EP SWB	RAL7040
911401663709	BVP562 LED270/740 155W PSU SWBC	RAL7040
911401663809	BVP562 LED285/740 170W WLP SMB	RAL7040
911401664109	BVP562 LED326/740 200W WLP SMB	RAL7040
911401664609	BVP562 LED374/740 240W WLP SWB	RAL7040

