



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

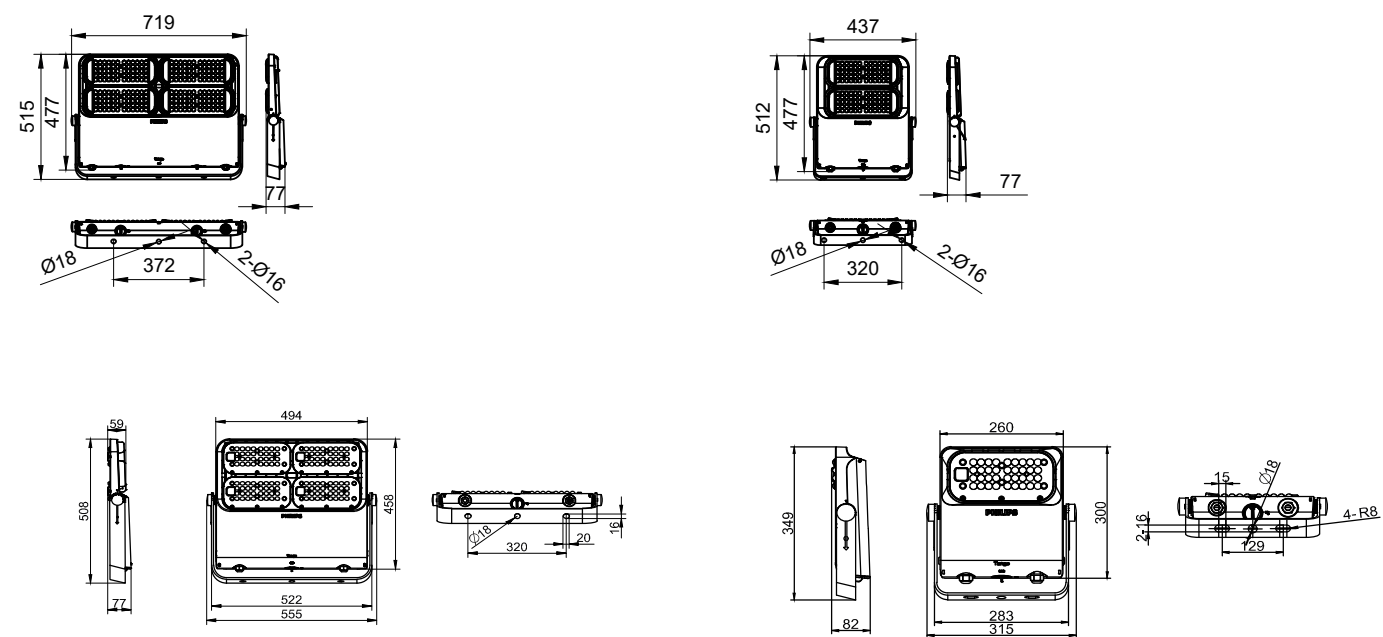
Specifications

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°

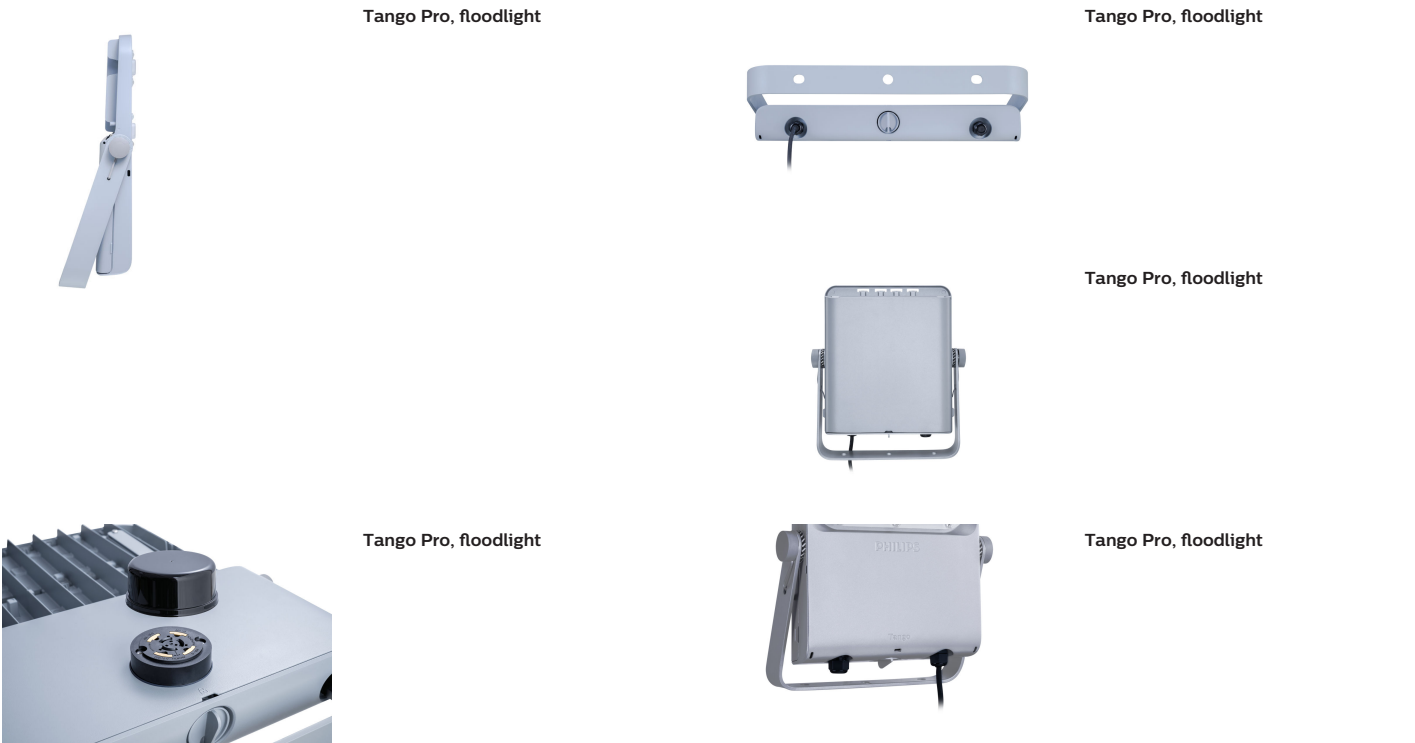
Luminaire light beam	Symmetrical narrow Beam
spread	Symmetrical Middle Beam
	Symmetrical Wide Beam
	Super Asymmetric Wide Beam
Power	Up to 510W
Mains Voltage	Depending on driver configured , 220-240V for EP 1-10V; DALI; Coded Mains; SR, 110-277V for GL
Control system input	DALI / 1-10V / coded mains
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

Product details

Tango Pro, floodlight



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
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
911401612609	BVP565 LED672/757 430W EP SWB	Yes
911401612909	BVP565 LED672/740 430W EP NB	Yes
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
911401661809	BVP561 LED102/740 60W PSU AMB	-
911401665309	BVP561 LED135/757 78W PSU SMB ANZ	-
911401665409	BVP561 LED135/757 78W PSU SWB ANZ	-
911401665509	BVP561 LED135/757 78W EP SMB ANZ	-
911401665609	BVP561 LED135/757 78W EP SWB ANZ	-
911401679409	BVP561 LED163/757 100W FP SMB P7 ANZ	-
911401679509	BVP561 LED163/757 100W SR SMB P7SR ANZ	-
911401652109	BVP564 LED555/740 380W EP S6	-
911401652209	BVP564 LED516/740 380W EP SAWB	-

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			
911401612609	BVP565	-	757 cool	5700 K		67,200 lm
	LED672/757		white			
	430W EP SWB					
911401612909	BVP565	-	740	4000 K		67,200 lm
	LED672/740		neutral			
	430W EP NB		white			
911401616309	BVP565	-	740	4000 K		62,200 lm
	LED622/740		neutral			
	430W EP SAWB ANZ		white			
911401616409	BVP565	-	740	4000 K		67,200 lm
	LED672/740		neutral			
	430W EP SWB ANZ		white			
911401644409	BVP565	-	740	4000 K		80,000 lm
	LED800/740		neutral			
	470W EP AMB ANZ		white			
911401609309	BVP563	-	740	4000 K		31,100 lm
	LED311/740 220W		neutral			
	EP SAWB ANZ		white			
911401609409	BVP563	-	740	4000 K		33,600 lm
	LED336/740		neutral			
	220W EP SWB ANZ		white			
911401644109	BVP563	-	740	4000 K		37,500 lm
	LED375/740		neutral			
	220W EP AMB ANZ		white			

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401612009	BVP565 LED672/740 430W EP SWB	470 W
911401612609	BVP565 LED672/757 430W EP SWB	430 W
911401612909	BVP565 LED672/740 430W EP NB	430 W
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
911401609409	BVP563 LED336/740 220W EP SWB ANZ	220 W
911401644109	BVP563 LED375/740 220W EP AMB ANZ	220 W

Controls and Dimming

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)		Luminous Flux
911401661809	BVP561	89°	740	4000 K		10,200 lm
	LED102/740 60W		neutral			
	PSU AMB		white			
911401665309	BVP561	55°	757 cool	5700 K		13,500 lm
	LED135/757 78W		white			
	PSU SMB ANZ					
911401665409	BVP561	92° x 55°	757 cool	5700 K		13,500 lm
	LED135/757 78W		white			
	PSU SWB ANZ					
911401665509	BVP561	92° x 55°	757 cool	5700 K		13,500 lm
	LED135/757 78W		white			
	EP SMB ANZ					
911401665609	BVP561	89°	757 cool	5700 K		13,500 lm
	LED135/757 78W		white			
	EP SWB ANZ					
911401679409	BVP561	55°	757 cool	5700 K		16,277 lm
	LED163/757 100W		white			
	FP SMB P7 ANZ					
911401679509	BVP561	55°	757 cool	5700 K		16,277 lm
	LED163/757 100W		white			
	SR SMB P7SR ANZ					
911401652109	BVP564	23°	740	4000 K		55,500 lm
	LED555/740		neutral			
	380W EP S6		white			
911401652209	BVP564	116° x 15.7°	740	4000 K		51,600 lm
	LED516/740	x 65°	neutral			
	380W EP SAWB		white			

Order Code	Full Product Name	Power Consumption
911401661809	BVP561 LED102/740 60W PSU AMB	60 W
911401665309	BVP561 LED135/757 78W PSU SMB ANZ	78 W
911401665409	BVP561 LED135/757 78W PSU SWB ANZ	78 W
911401665509	BVP561 LED135/757 78W EP SMB ANZ	78 W
911401665609	BVP561 LED135/757 78W EP SWB ANZ	78 W
911401679409	BVP561 LED163/757 100W FP SMB P7 ANZ	100 W
911401679509	BVP561 LED163/757 100W SR SMB P7SR ANZ	100 W
911401652109	BVP564 LED555/740 380W EP S6	380 W
911401652209	BVP564 LED516/740 380W EP SAWB	380 W

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
911401612009	BVP565 LED672/740 430W EP SWB	1-10V	-
911401612609	BVP565 LED672/757 430W EP SWB	1-10V	-
911401612909	BVP565 LED672/740 430W EP NB	1-10V	-
911401616309	BVP565 LED622/740 430W EP SAWB ANZ	1-10V	-
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	-
911401609409	BVP563 LED336/740 220W EP SWB ANZ	1-10V	-
911401644109	BVP563 LED375/740 220W EP AMB ANZ	1-10V	-
911401661809	BVP561 LED102/740 60W PSU AMB	-	-

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
911401665309	BVP561 LED135/757 78W PSU SMB ANZ	-	-
911401665409	BVP561 LED135/757 78W PSU SWB ANZ	-	-
911401665509	BVP561 LED135/757 78W EP SMB ANZ	1-10V	-
911401665609	BVP561 LED135/757 78W EP SWB ANZ	1-10V	-
911401679409	BVP561 LED163/757 100W FP SMB P7 ANZ	DALI	-
911401679509	BVP561 LED163/757 100W SR SMB P7SR ANZ	DALI	-
911401652109	BVP564 LED555/740 380W EP S6	1-10V	10%
911401652209	BVP564 LED516/740 380W EP SAWB	1-10V	10%

