



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

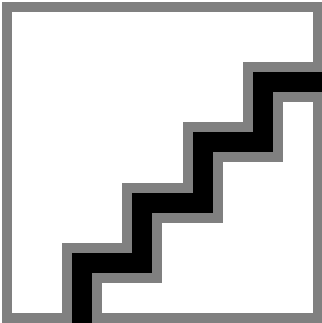
- For coastline applications, 2,000 hours (or above) MSP recommended (liability for wear-and-tear damages exempted)
- Not suitable for chemical industrial areas
- Not suitable for installation on moving objects

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° |

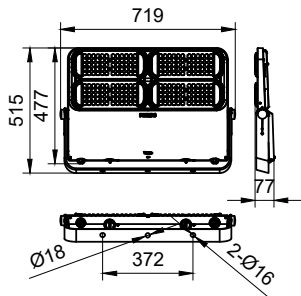
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|-----------------------------|--|
| Luminaire light beam | Symmetrical narrow Beam |
| spread | Symmetrical Middle Beam |
| | Symmetrical Wide Beam |
| | Super Asymmetric Wide Beam |
| Power | Up to 510W |
| Mains Voltage | Depending on driver configured , 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 |

Versions

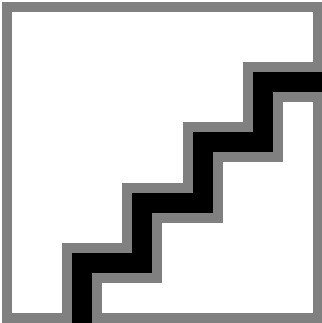


Tango Pro, floodlight

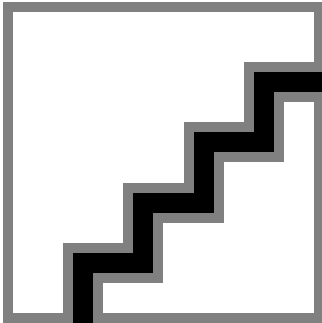
Dimensional drawing



Product details



Tango Pro, floodlight



Tango Pro, floodlight

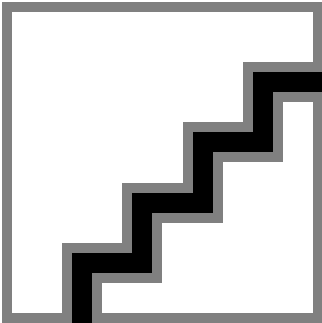


Tango Pro, floodlight



Tango Pro, floodlight

Product details



Tango Pro, floodlight



Tango Pro, floodlight



Tango Pro, floodlight

| General Information | |
|------------------------------|---------------|
| Driver included | Yes |
| Light Technical | |
| 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 | - |

General Information

| Order Code | Full Product Name | Service tag |
|--------------|-------------------------------|-------------|
| 99406700 | BVP565 LED672/757 430W EP SWB | Yes |
| 911401613309 | BVP565 LED672/757 430W EP NB | Yes |
| 911401613409 | BVP565 LED672/757 430W EP S6 | Yes |
| 911401650909 | BVP564 LED530/740 310W EP AMB | - |

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 |
| 911401613409 | BVP565 LED672/757 430W EP S6 | - | 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 |
| 911401650909 | BVP564 | 91.6° x 55.1° | 740 | 4000 K | 53,000 lm |
| | LED530/740 | x 34° | neutral | | |
| | 310W EP AMB | | white | | |

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 |

| Order Code | Full Product Name | Power Consumption |
|--------------|-------------------------------|-------------------|
| 911401613409 | BVP565 LED672/757 430W EP S6 | 430 W |
| 911401650909 | BVP564 LED530/740 310W EP AMB | 310 W |

Controls and Dimming

| Order Code | Full Product Name | Maximum dim level |
|--------------|-------------------------------|-------------------|
| 99406700 | BVP565 LED672/757 430W EP SWB | - |
| 911401613309 | BVP565 LED672/757 430W EP NB | - |

| Order Code | Full Product Name | Maximum dim level |
|--------------|-------------------------------|-------------------|
| 911401613409 | BVP565 LED672/757 430W EP S6 | - |
| 911401650909 | BVP564 LED530/740 310W EP AMB | 10% |

