Tango LED Floodlight A new innovation in Flood Light

Signify

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Reduce energy consumption

Energy

consumption is a key cost driver for owners and operators of area and recreational sports lighting installations.

And with today's 24/7 economy, lowering energy use is now a priority.



Increase safety, and reduce TCO

Good quality of lighting increases safety as well as the comfort of employees.

And with today's strong focus on reducing the Total Cost of Ownership, it helps when maintenance costs for the entire lighting installation can be minimized.



Reduce

CO₂ emissions, light pollution and create a sustainable image

With rising concerns about the environmental impact of high energy consumption, area and recreational sports lighting installations that use less power and reduce carbon emissions are in great demand.

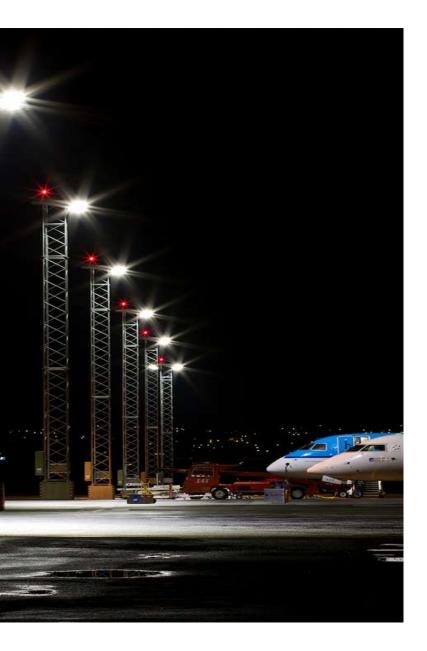


Improve operational management

Increasingly, lighting systems and services need to help improve existing workflows and operations.

Flexibility is required to control lighting: in remote industrial areas, airports or harbors, as well as in indoor and outdoor sports facilities at multiple locations in the city.

Demand is increasing for total solutions, partnerships, and service offers that can enhance the project for the venue owner and other relevant stakeholders.



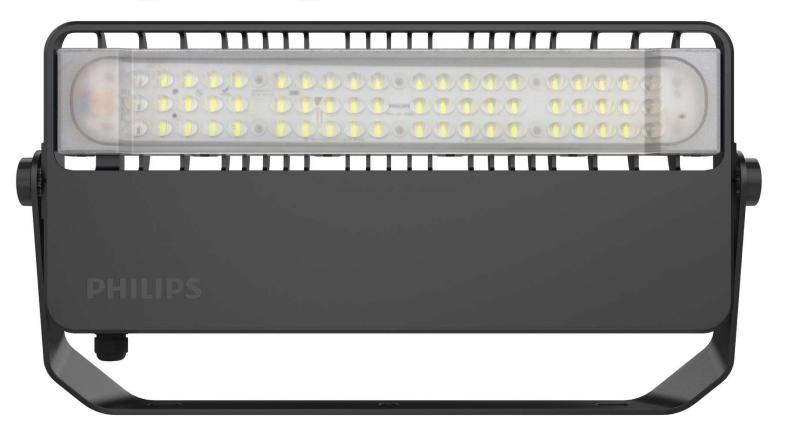
Signify' offer for area and recreational sports lighting:

- Decades of experience and expertise in area and recreational sports lighting
- A rich portfolio of products, offering superb quality of light
- Wide range of systems and services
- Sustainable and future-proof solutions
- A single source partner for a totally integrated, intelligent lighting offer – from concept to completion – backed up by exceptional levels of after-sales care.

Meet Tango LED



Introducing ... Tango



"Maximize energy savings, Simple & Economical"

Tango LED

An extremely energy-efficient solution for area and recreational sports lighting that lets you choose the exact number of lumens you need.





1:1 retrofit / HID replacement



Outstanding energy efficiency



Designed to meet the needs of various application areas



Elegant and unobtrusive design



Efficient LED thermal design

Robust and durable



Easy to install

1:1 retrofit / HID replacement

Tango G3 LED family lumen package	HID equivalence	Energy saving
BVP483 155W – 18000lm	1x SON /HPIT 250W	45%
BVP483 175W – 21000lm	2 x HPIT 250W	50%
BVP483 195W – 23000lm	2x SON/HPIT 250W	53%

- Tango LED is the ideal solution for both renovation areas and new installations
- HID lamp replacement for 2x250W Solution
- Perfect for replacing conventional technology while retaining the same electrical installation and poles



- Incorporates extremely efficient, state-of-theart LED technology
- Enables you to choose the exact lighting level you want, thanks to a wide range of LED boards and highly flexible Philips LED drivers
- Multiple control options ensuring efficiency increase with connected lighting
- Reduces energy consumption by up to 50% versus conventional HID static light
- ✤ Higher system efficiency up to 120 lm/W



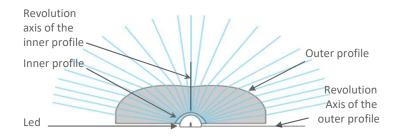
to meet the needs of various application areas

- Ideal floodlighting solution for recreational sports facilities, industrial areas, parking lots, building facades, roundabouts and freeway junctions
- Wide choice of new optics sets ensures maximum application coverage and provides a solution for dealing with obtrusive light. BVP483
 - Narrow beam
 - Asymmetrical medium beam
 - Asymmetrical wide beam
 - Symmetrical medium beam
 - Symmetrical wide beam



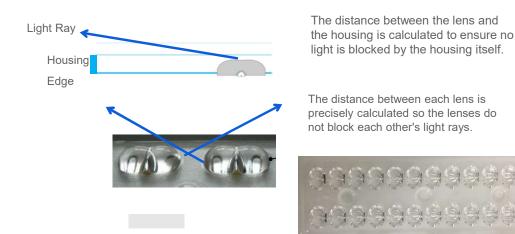
Best-in-class Lens Design & Optics Integration

Best-in-class lens design to direct maximum light onto the area :



- •Inner profile curve for maximum throw
- •Outer profile curve to cover higher light spread

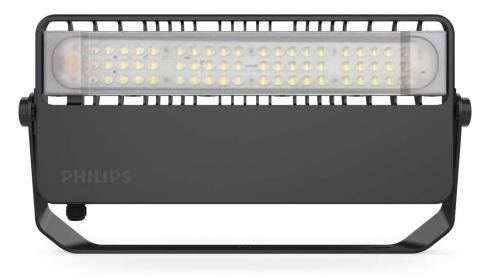
Optics integration: Light and energy loss is minimized with Integrated light source arrangement inside the housing.

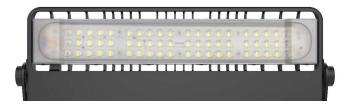






- Designed with simple and unobtrusive shapes, facilitating integration into the urban environment
- ✓ Drivers are fully integrated into each model
- ✓ Three size for greater diversity of Lumen packages, from 18K to 23 klm*
- LED configuration patterns suitable for a wide range of lighting solutions, taking into account compatibility with efficient optical systems to perfectly meet the required application
- ✓ Consistency in LED arrangement to further strengthen the visual aspect: sober, discreet and simple





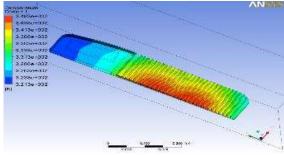
●Efficient

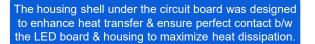
LED thermal design

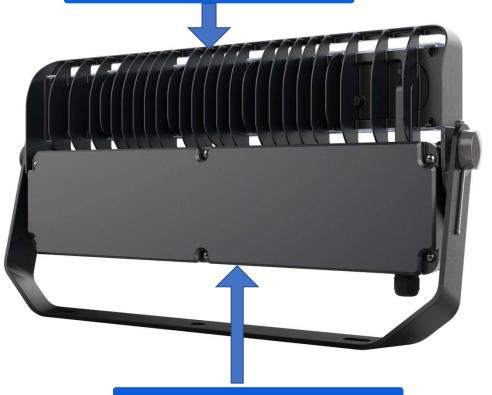
Fins on the back are designed to ensure good heat dissipation; they create airflow around the housing to prevent dirt from settling on the luminaire

Temperature range up to 35°C Outdoor

MCPCB is used to efficiently remove heat from the LED's & transfer it to the housing thereby lowering as much as possible LED's operating temperature







Painted housing which can enhance radiation by increasing emissivity from 0.2 to 0.8, effectively dissipating an additional heat.

Robust and durable

IP66 level of protection against water and dust

The **10KV/KA** Surge Protection Device (SPD) from Philips is specifically designed for use in outdoor luminaires and delivers maximum protection for all outdoor lighting applications from excessive surge voltages due to lightning

Exposed lens to withstand shocks; its protection rating is **IK08**

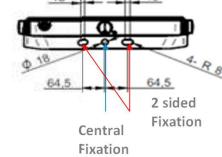
Optional coatings available for **extra protection in harsh environments** such as salt atmospheres (harbors etc.)



Easy to install

- Easy to install and perfect for replacing conventional light-points as it uses the same electrical installation and poles
- Gear cover designs with Screws, which greatly help to reduce the installation and maintenance time, increase the working efficiency and good user experience.

universal bracket





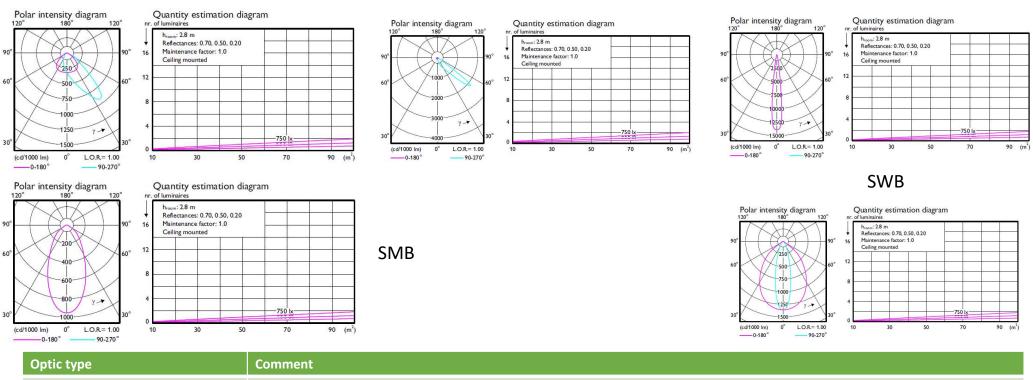
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Photometrical data-BVP483

BVP383 light distributions: 5 Optics

NB

AMB



Optic type	Comment	
Asymmetrical Medium	Can consider to use in recreational sports, parking lot, area lighting applications	
Asymmetrical Wide	Can consider to use in airport apron, harbor/port yard applications	
Narrow	Can consider to use in harbor/port crane,	
Symmetrical Medium	Can consider to use in Parking lot, Area lighting, Bill board, facade applications	
Symmetrical Wide	Can consider to use in billboard, area lighting, Industry applications	

AWB

Tango – BVP483 LED Floodlight



Optimum lighting performance

max. 195W, 23.5Klm, 120lm/W@5700K CRI70

Robust quality

- □ High Pressure Die Cast aluminum material, with Integrated optics
- □ 1000hrs marine salt painting : Option available on request
- □ IP66(no glue)/ IK08 protection

Durable lifetime

- **5**0 Khrs. lifetime
- □ Philips Xitanium LED driver and 10KV Series SPD
- □ High Cut @ 325 ± 15V & Auto Restart
- □ 440V Protection for 8 Hrs. (Phase to Phase)

Multiple choice of control interface (ETO)

- □ 1-10V / Dali (On request)
- □ Coded Mains, for Perfect Play system (On request)
- □ SR, for Interact City (CityTouch) system (On Request)

Multiple Choice of Optics for Design Requirements

- □ Asymmetric Medium Beam
- □ Asymmetric Wide Beam
- □ Symmetric Medium Beam
- Symmetric Medium Beam
- Narrow Beam

Superior quality –world class components



Pressure Die Cast Housing made from ADC12 aluminum alloy with very low copper (Cu) content



Best in class LED's from leading LED supplier to ensuring reliable quality and lifetime.



Transparent and weather resistant grade polycarbonate material for optical lenses. It can withstand extreme weather conditions and have strong resistance UV and yellowing



Highest specification Xitanium drivers and 10 KV Surge protection device to ensure continuous operation of luminaire. Additional Protections

- 440V (Phase to Phase Protection for 8 Hrs.
- High cut @ 325±15V and auto Restart
- Future Proof Drivers (Comes with 1-10V Dimming)

BVP483 Application Areas



Overpass intersection



Container Yard



Recreational Sports Outdoor



City Square

Apron

Recreational Sports Indoor

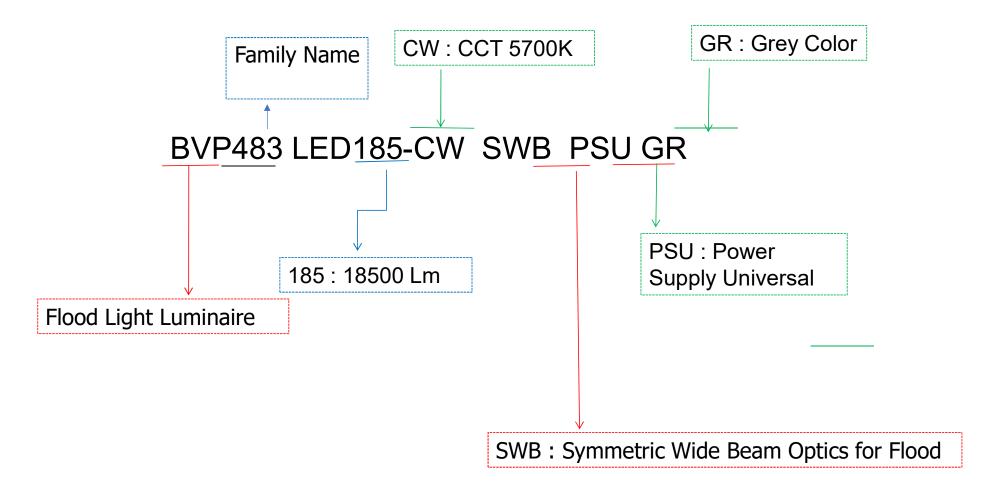
Product Specifications

Signify Classified - In	iternal			
S No.	Description	BVP 483 Series		
1	System Lumen	18500 Lm@155W , 21000 Lm@175W , 23500 Lm@195W (Nominal)		
2	ССТ	5700K		
3	CRI/ SDCM	70 , <5		
4	Electrical Insulation	Class -1		
5	IP/ IK	66 / 08		
6	Serviceability	Class B		
7	Mounting	Via U Shaped Bracket , Aiming Scale Angle , Universal Installation		
8	Efficacy	120 Lm/W		
9	Surge	4KV Internal and 10KV External		
11	Driver	Fixed output		
12	LED	High Power		
13	Housing Material / Finishing	Pressure Die Cast Housing / Anti Dust Exposed Lens		
14	THD	≤10% (At Full Load)		
15	Serviceability	Class B		
16	Optical Covers	Exposed Lens Optics : Polycarbonate		
17	Wattage	155W , 175W , 195W (Nominal)		
20	Optics	AWB, SWB, AMB, SMB, NB		

S No.	Description	BVP 483 Series	
23	Life	L70B50 @ 50K Hrs.@ 35 Degree Ambient	
24	Packing Box	Brown Box	
25	Approbation	BIS	
26	Control	1-10V , SR (On Request)	
27	Options	Other Lumen packs available on Request	
28		Other RAL shades available on request	
29		Corrosion resistant Paint available on Request	
30	Weight	7 KG	
31	Tambient	35 Degrees	
32	Driver Protections	440V (P2P)Protection for 8 Hrs., High cut off @ 325±15V	
		Auto Restart	
33	Dimensions/Weight	L-538mm , W-62mm , H-243-mm , 7 Kg(Nominal)	
34	Operating Voltage	120-277V	

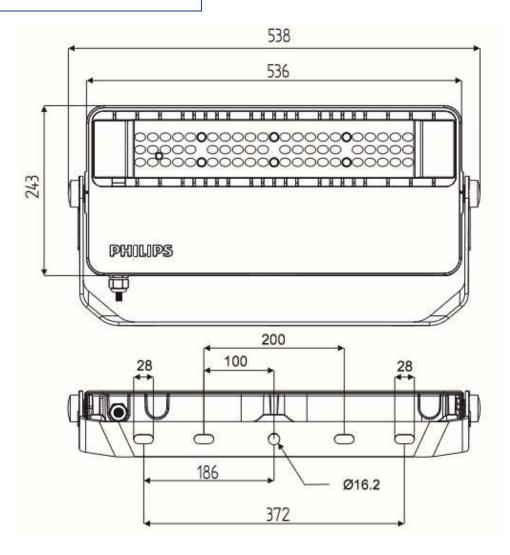
Ordering Codes

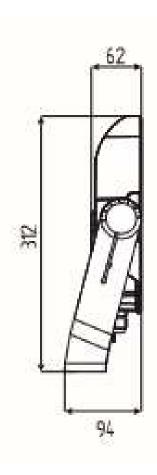
S No.	12 NC	Description	Qty per Box	Spare Driver 12 NC
1	919515813016	BVP483 LED235 CW SWB PSU GR	1	929002104806
2	919515813017	BVP483 LED235 CW NB PSU GR	1	929002104806
3	919615813018	BVP483 LED235 CW AWB PSU GR	1	929002104806
4	919715813019	BVP483 LED235 CW AMB PSU GR	1	929002104806
5	919815813020	BVP483 LED235 CW SMB PSU GR	1	929002104806
6	919515813021	BVP483 LED210 CW SWB PSU GR	1	929002104806
7	919515813022	BVP483 LED210 CW NB PSU GR	1	929002104806
8	919515813023	BVP483 LED210 CW AWB PSU GR	1	929002104806
9	919515813024	BVP483 LED210 CW AMB PSU GR	1	929002104806
10	919515813025	BVP483 LED210 CW SMB PSU GR	1	929002104806
11	919515813026	BVP483 LED185 CW SWB PSU GR	1	929002104806
12	919515813027	BVP483 LED185 CW NB PSU GR	1	929002104806
13	919515813028	BVP483 LED185 CW AWB PSU GR	1	929002104806
14	919515813029	BVP483 LED185 CW AMB PSU GR	1	929002104806
15	919515813030	BVP483 LED185 CW SMB PSU GR	1	929002104806

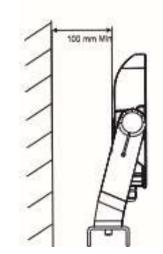


How to read the Cat ref

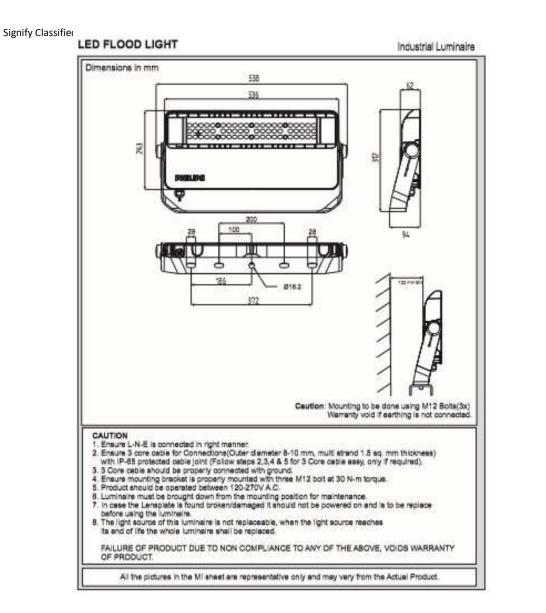
Dimensions

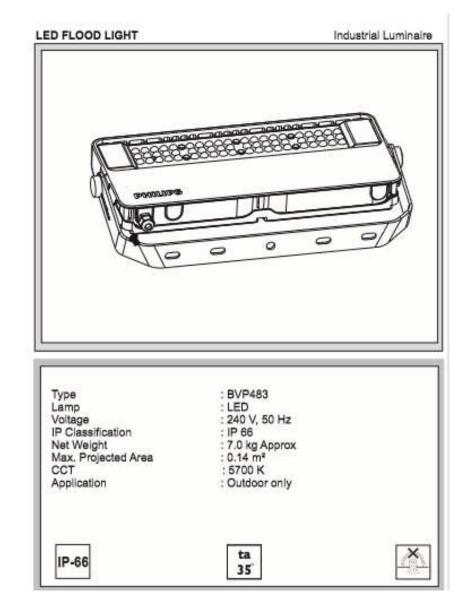


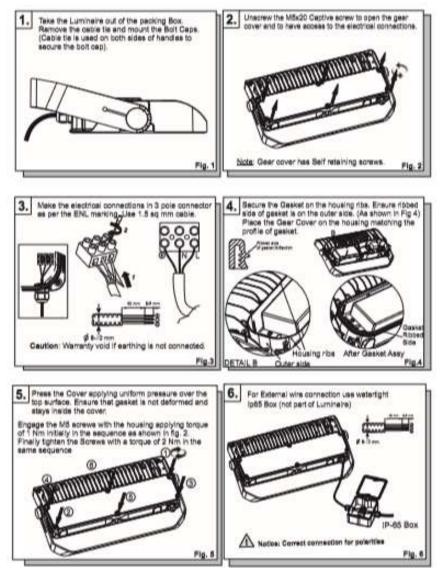


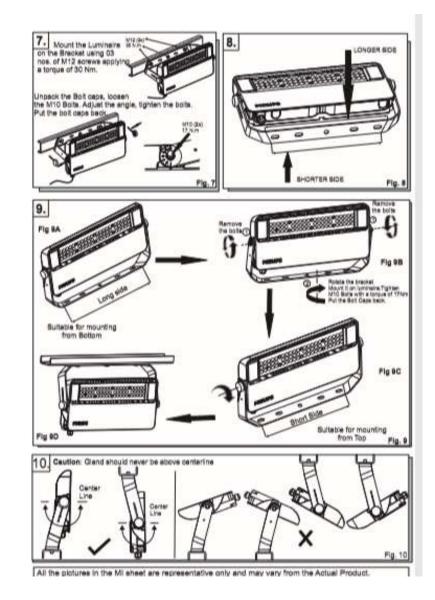


Caution: Mounting to be done using M12 Bolts(3x) Warranty void if earthing is not connected.









A lighting service that fits your business needs



Advisory services

Clear insight into your current lighting system, how it can be improved, and the benefits you would gain



Project services

Design, control and coordination activities necessary to take a lighting solution from the drawing board to reality



Lifecycle services

Variety of project after-care contracts that cover all aspects necessary to guarantee longlasting, hassle-free performance



Lighting capital

This enables you to acquire a state-of-the-art, business enhancing solution immediately – with little to no upfront capital investment required

We listen to

and understand your needs



Global presence and local experience delivering multi-tiered support



One-stop shop: solutions and services across the lighting value chain



World-class innovation capabilities and deep application and system expertise



Proven record of quality and reliability – no unpleasant surprises



Signify