



SportsStar LED

An Innovative, LED-based luminaire
that meets the challenges of both
Area & Sports lighting

SportsStar LED



Sports & Area lighting to meet current & future trends



Meet SportsStar LED



Application insights revealed



Product specifications



Mounting instruction

Sports and Area lighting to meet current and future trends





Sports lighting

Flexibility and innovation

People are asking for more flexibility and want to decide by them selves when and how they will exercise

- ... Light whenever you want and for specific needs
- ... Multi purpose usage
- ... interfacing with App's and social media
- ... Systems supporting new business models
- .



Area lighting

has to be safe and reliable

Demands are increasing on area lighting.
Increased safety and reliable are expected.

New, glare-free lighting solutions are needed to
improve visibility, reduce accidents and prevent
costly roadblocks.



Sports/Area lighting

also has to be sustainable ...

Green image and minimizing light hindrance for the environment is really important for Area and private sports facilities

- ... saving energy
- ... reducing carbon footprint
- ... minimizing light pollution
- ... providing high-quality lighting

A close-up photograph of a person's hand holding a silver pen, poised to write on a document. The document features several line graphs and bar charts, suggesting a financial or technical report. The person is wearing a blue long-sleeved shirt. The background is softly blurred, focusing attention on the hand and the document.

... and meet financial constraints

Financial constraints are putting pressure on authorities and municipalities to reduce energy and maintenance costs, but they are likely to have little or no budget to invest. This is where a lighting solution with a favorable Return on Investments (ROI) becomes an attractive investment for the future.

Meet

SportsStar LED



SportsStar LED

An Innovative, LED-based luminaire
that meets the challenges of both
Area and Sports lighting

Available in two versions



Integrated Version (BVP621)

Easy installation, All in one.



Remote Version (BVP622+EVP622)

To use in Sports applications or retrofit project of both Sports & Area applications

Select the version that meets your specific needs



SportsStar LED Area Lighting Version: BVP621

- Optimized for low lifetime costs and high performance
- Wide range of optics
- Integrated or remote drivers
- DALI & 1-10V
- High efficacy LED system to drive maximum energy savings (CRI70)
- Salty Spray 1,000hrs
- Ambient temperature up to 50°C
- Typical lifetime up to 50k hours (L70B50)
(Remote Version will be introduced in September 2016')



SportsStar LED Sports Lighting Version: BVP622,EVP622

- Optimized for low lifetime costs and high performance
- Wide range of optics
- Remote drivers
- Can be connected to DMX control system
- Flicker free (<1%), comply with HDTV broadcasting requirement
- CRI90
- Ambient temperature up to 55°C
- Typical lifetime up to 50k hours (L70B50)

How SportsStar LED stands out



Wide range of optics ensuring outstanding quality of light



Reliable quality & high performance



Ease of installation/Maintenance



Excellent combination of efficiency and performance



Lighting effects & experience using lighting control system





Wide range of optics

ensuring outstanding quality of light

- Suitable for Sports & Area lighting applications
- Complete and modular range
- Universal design
- Lumen packages vary from 50 kLm to 100 kLm
- Complete range of optics to cover different Sports & Area applications
- Use fewer luminaires and yet increase safety and comfort and decrease glare





Reliable quality

with high performance

- IP66
- IP08
- 15KV/KA Surge protection
- Marine salt protection (salty spray test 1000Hrs)
- Vibration-proof (pass 5G maximum acceleration impact test)
- Wind force protection
- Anti-dust, UV resistance exposed lense
- SportsStar LED floodlight's bracket adopt double reinforcement design, thickness can reach to 1.2cm which ensure the intensity of use.





Ease of installation /Maintenance

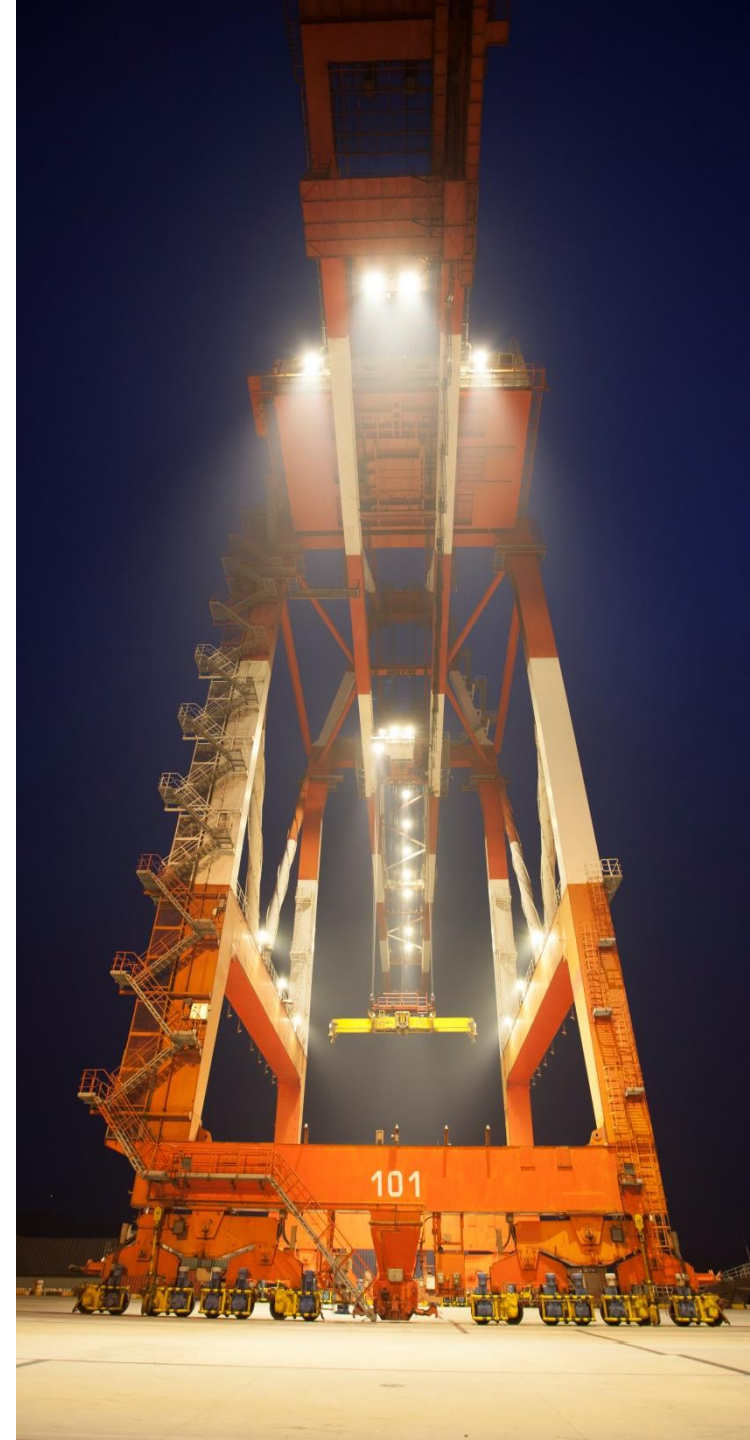
- Tool-less open gear box
- U-Shaped bracket
- Aiming memory





Excellent combination of efficiency and performance

- LED is now affordable and offers favorable ROI
- High lumen/W at system level
- System electricity savings up to 40% compared to old conventional systems
- Sustainable design (serviceable)

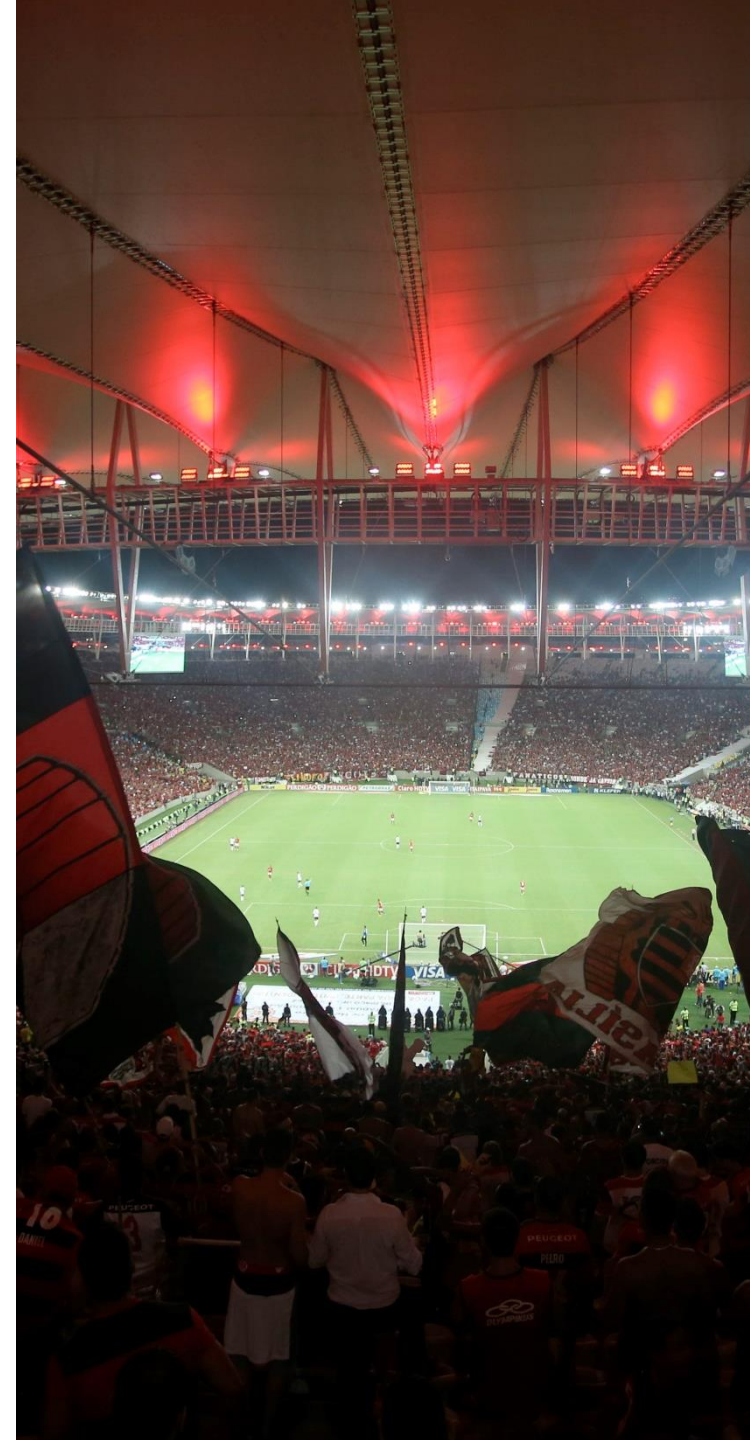




Lighting effects & experience

using lighting control system

- No need in shutters for instant on/off or dimming
- Enable interfacing with an external light console to mix SportsStar LED with other DMX fixtures
- Seamless integration of SportsStar LED to a lighting show



Application insights revealed

Ideal for

Area, Sports and Recreational Sports lighting



Area lighting

- Operational efficiency and reducing environmental impact
- Low glare; high efficiency
- providing a safe environment for everyone using and working at airports or harbors
- Longer lifetime & energy saving



Sports lighting

- Flicker free(<1%), comply with HDTV broadcasting request
- High efficient narrow beam optics
- Higher CRI (90)
- Lighting effect & experience
- Multi purpose use



Recreational Sports lighting

- Easy installation
- Low glare; high efficiency
- Easy control
- Energy efficiency & spill light reduction
- Reducing operational and energy cost

Lighting your way to success

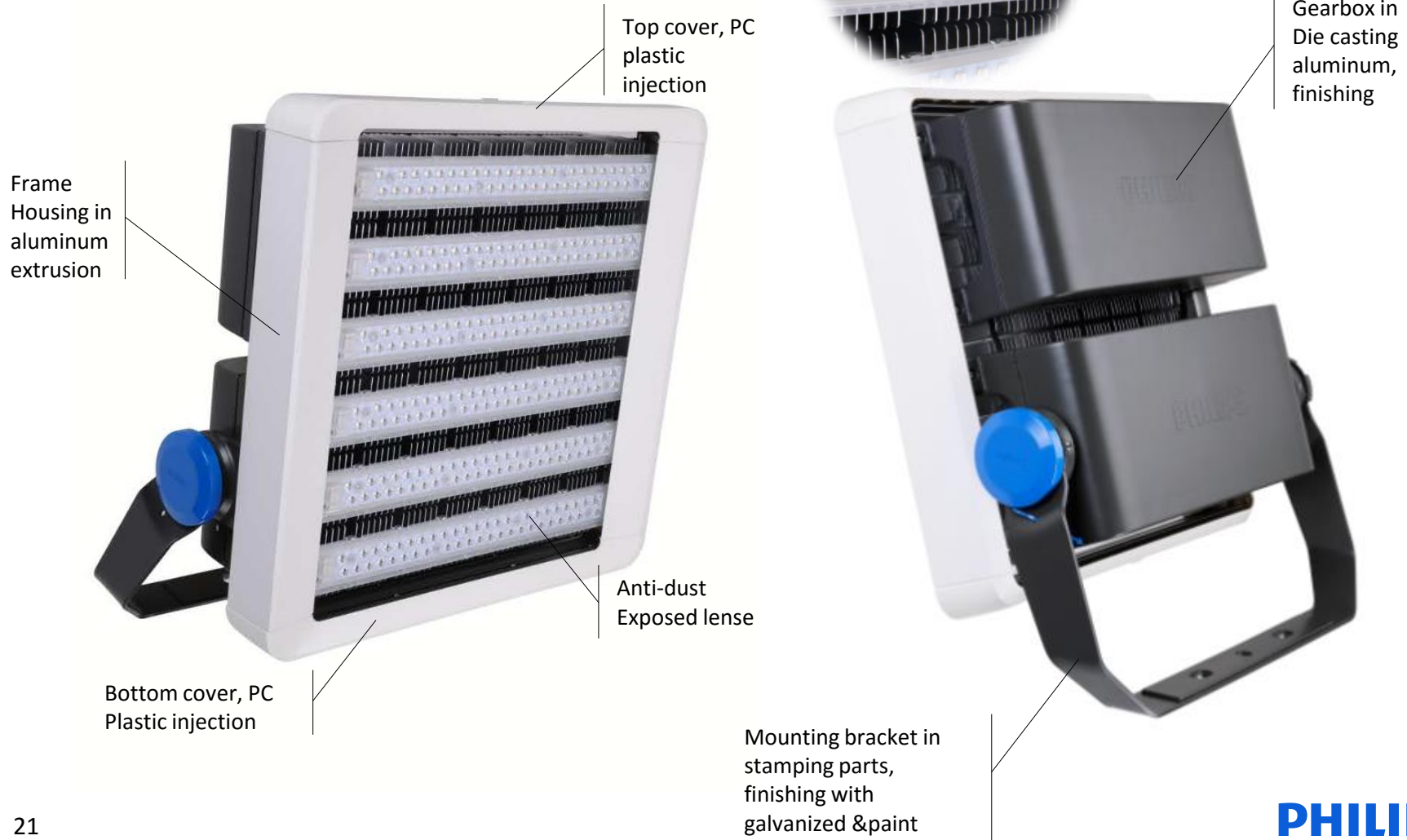
Product

specifications



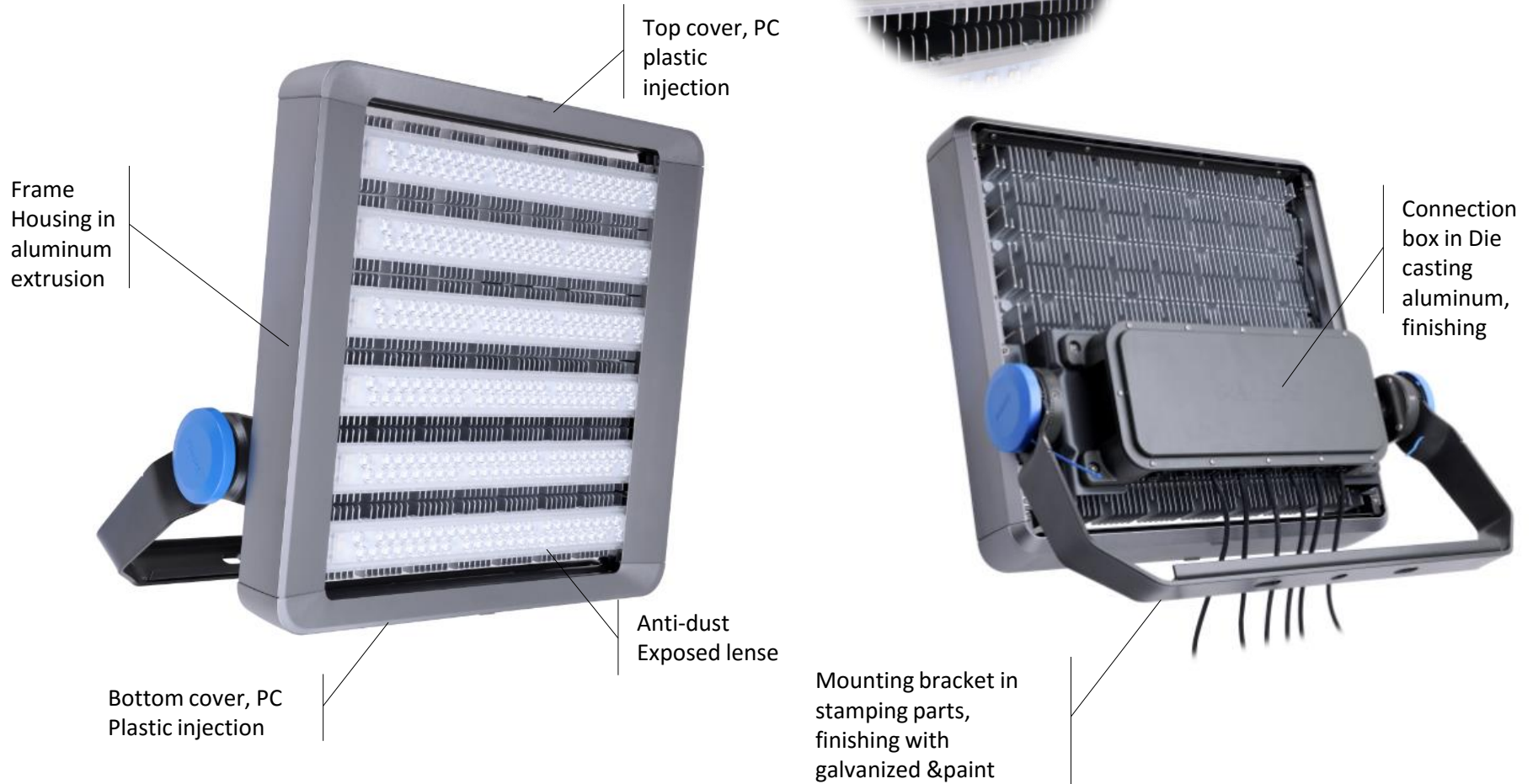
SportsStar LED

BVP621



SportsStar LED

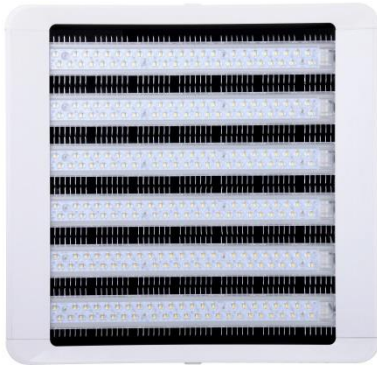
BVP622



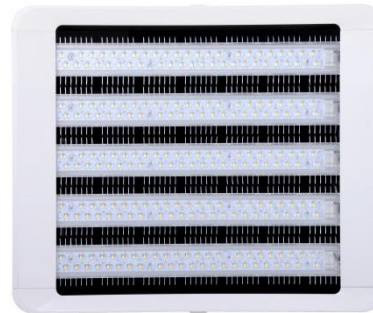
SportsStar LED Standard

Highly modular (BVP621-Integrated)

SportsStar LED Standard is available in four sizes:



6 LED modular
(100,800lm)



5 LED modular
(84,000lm)



4 LED modular
(67,200lm)



3 LED modular
(50,400lm)

SportsStar LED Standard

Highly modular (BVP622-Remote)

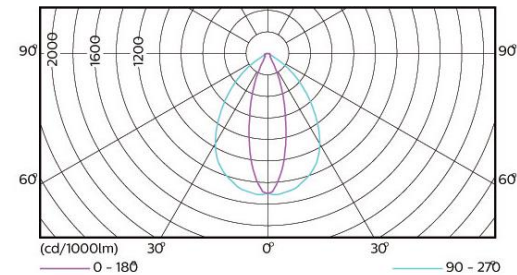
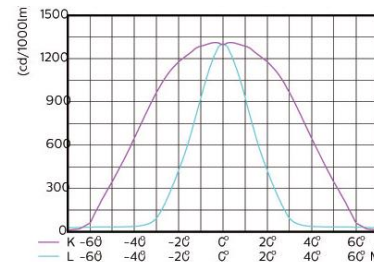
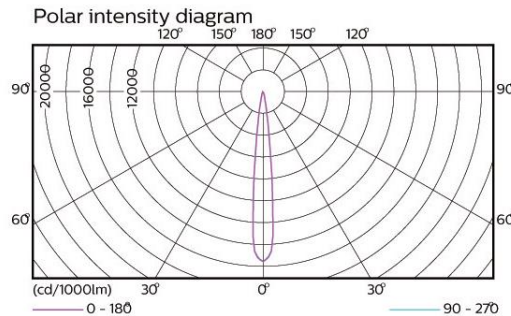
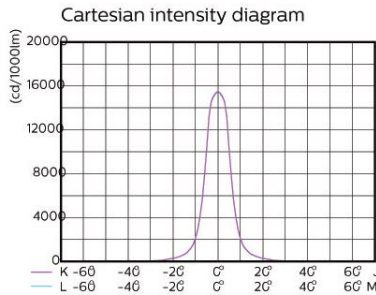
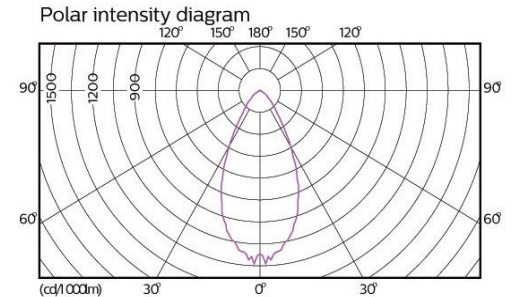
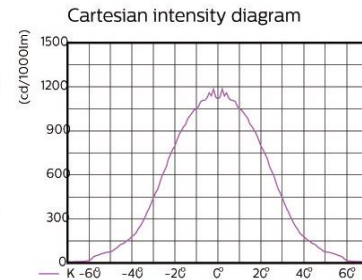
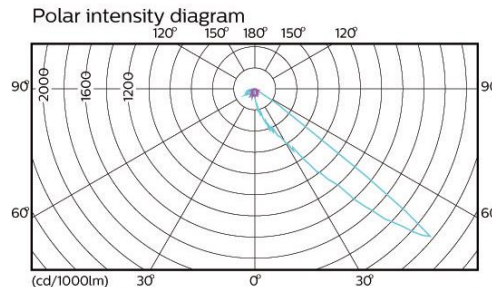
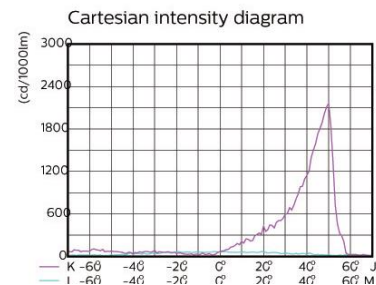
SportsStar LED Standard is available in one size:



6 LED modular
(CRI90-67Klm;CRI70-100Klm)

Photometrical data-BVP621

SportsStar LED light distributions: 4 Optics (For Area application)

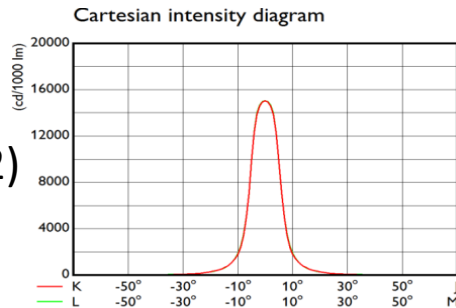


Optic type	Comment
Narrow	Can consider to use in Area, Port, Crane, recreational sports applications
Assymetrical Wide	Can consider to use in Airport, Port, Crane etc applications
Symetrical Medium	Can consider to use in Parking lot, Area lighting, Bill board applications
Symetrical Wide	Can consider to use in area lighting, Industry applications

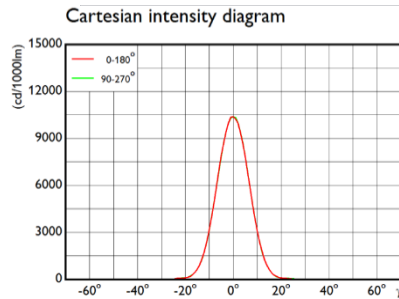
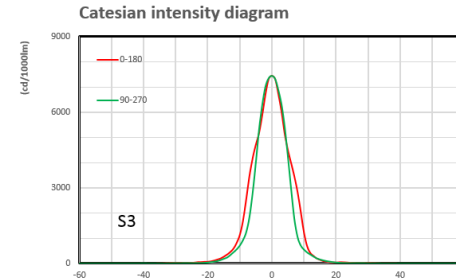
Photometrical data-BVP622

SportsStar LED light distributions: 4 Optics (For Area application)

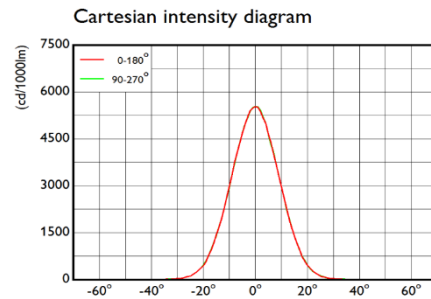
Narrow (S2)



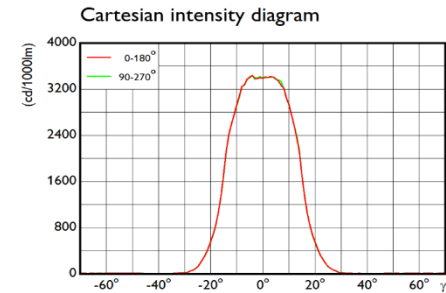
S3



S5



S6



S7

Optic type	Comment
Narrow (S2)	High end multi-purpose stadium; Professional stadium, recreational sports application; etc.
S5	
S6	
S7	

SportsStar LED luminaire datasheet 1/2



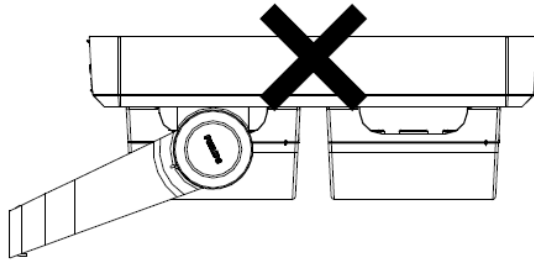
Topic	SportsStar LED floodlight	
Name	SportsStar LED – Area lighting version	SportsStar LED – Sports lighting version
Product Family Code (PFC)	BVP621 (integrated)	BVP622 (remote) – will be introduced in Q4 2016
Range: LED lumens (±7%) / Total system watt (±10%)	3 LED modular: Max. 50000lm (480W); 4 LED modular: Max. 67200lm (640W); 5 LED modular: Max. 84,000lm (800W) 6 LED modular: Max. 100,800lm (960W)	6 LED modular: 67,200lm(960w) CRI90 / 100,800(960W) CRI70
Luminaire/system efficacy (incl Optical and driver efficacy)	NW/CW - 105Lm/W; WW – 95Lm/W	CW – 70lm/w (CRI90)
CCT and CRI	CCT: 3000K (WW); 4000 K (NW); 5700K(CW) and CRI >70	CCT: 5700 K(CW) and CRI 70 & 90
System life/lumen maintenance	Up to 50k hours (L70B50) Ta 35 outdoor; Up to 50k hours(L70B50) Ta25deg Indoor	
Light distributions / optics	Narrow/Assymetrical wide/symetrical medium/symetrical wide	S5,S6,S7 & S3(QI 2017)
	Optic lenses.	
Operating temperature range	-40 to + 55°C (Outdoor)depending on version; -40 to 45Deg (Indoor)	
Electrical insulation class	Class I	
IK/Degree of protection	IK08/IP66	
System surge protection	15kV/kA	
Housing Material / Finishing	Housing : Side frame housing in extrusion part finishing in powder painting; Top/bottom cover: PC plastic injection	Housing : Side frame housing in extrusion part finishing in powder painting; Top/bottom cover: PC plastic injection
	Heat sink in aluminium cold forging	
	1.5m Flying wire; U-shaped bracket; RAL 7022(Gearbox); RAL 9010(Housing)	U-shaped bracket; RAL7022(both Gearbox & luminaire)
	Anti-dust exposed Lense	

SportsStar LED luminaire datasheet 2/2



Topic	BVP621 – Integrated version	BVP622 – Integrated version
Size Luminaire (mm) (L x W x H)	3 LED modular: 680x520x307	Refer to Mounting instruction
	4 LED modular: 680x610x307	
	5 LED modular: 680x740x307	
	6 LED modular: 680x740x307	
Weight incl. Brackets (kg)	3 LED modular: 22 Kg	6 LED modular version: Gear: 16KG Luminaire: 28KG
	4 LED modular: 24 Kg	
	5 LED modular: 26 Kg	
	6 LED modular: 36 Kg	
Control	DALI, 1-10V	DMX, DALI
Options	Other lumens as per request	
	DALI, DMX	
	Swimming pool protected coating (MSP)	
	Other RAL colors available	
Luminaire mounting	U-shaped bracket	U-shaped bracket
	Installation tilt angle refer to Mounting Instruction	Installation tilt angle refer to Mounting Instruction
	Aiming memory available	Aiming memory available
Certification / Listing	CB, CE, RoHS, IEC60598	
Packaging	Carton box	

Mounting Instruction



Not suitable for up-lighting applications

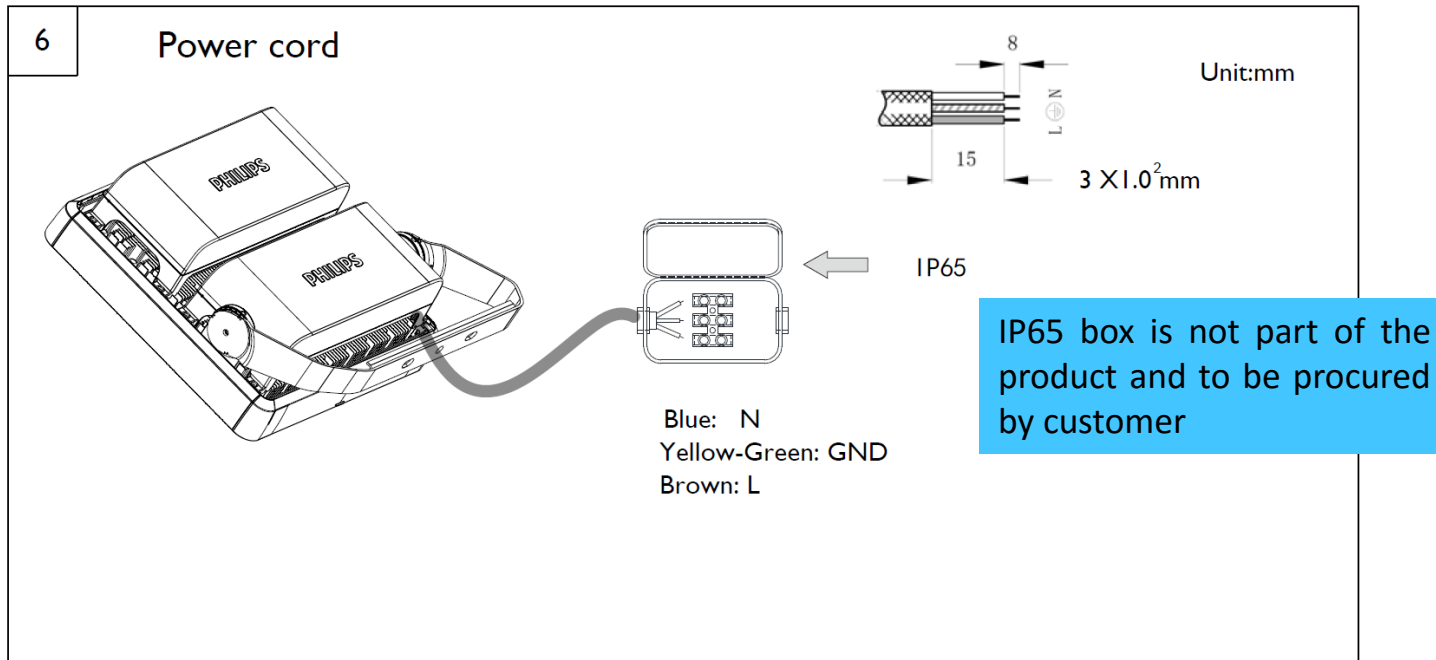
Projection Area

Area of 0.15 to 0.4 Sq m : Should take into consideration for structure design and high mast design for this projected area



Weight of 22kg to 36kg : Should ensure compatibility of mounting structure and high mast design for this weight

Mounting Instruction



- Earthing is a must for all LED based product
- Ensure Surge protector are installed in the supply panel
- Ensure LED products are in a separate circuit and not connected with other heavy duty loads
- The warranty will be void if earthing is not provided as per applicable standards

