



PURSOS® SHP V3.1 Flood Light-Premium

Datasheet



IK10 ENEC

The PURSOS® SHP V3.1 Premium Edition is the newest, most advanced PURSOS model, optimised for stadium lighting and supporting the latest TV broadcasting standards. It features a compact, lightweight design with a sleek appearance and remote electrical gear box option. The system offers ultra-high light efficiency, five light distributions, and precise optical design for various applications. It includes DMX-RDM and DALI 2 dimming interfaces, and an e:cue control management system for comprehensive lighting control. Ideal for new or renovated stadiums and multi-purpose areas, it delivers excellent lighting while significantly reducing costs.

Benefits

Supporting HDTV broadcasting standard

- Flicker free
- Available in CRI 70, CRI 80, CRI 90
- A choice of five standard beam angles
- Optional visors available for glare control
- Small size, light weight
- Special effects and light shows

High reliability

- Lumen maintenance L80-50000 hours @Ta30°C
- Robust aluminum body with high carbon steel mounting bracket
- High protection level IP66 & IK10
- Operating temperature: -40°C to +50°C

Intelligent control

- DMX-RDM, DALI 2 dimming interface
- Fixture mounted or remote mounted driver option
- 198-440V rated driver

Applications

- General area lighting and street illumination
- City road and landscape lighting
- Pathways and parking lot
- Commercial district road lighting
- Industrial areas road lighting

Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

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PURSOS® SHP V3.1 Flood Light-Premium

Technical Data

Optical Specifications

Power		800W	1000W	1200W	1500W	1600W	1800W
Luminous Flux*	@5700K	92000	115000	138000	172500	184000	207000
Efficacy	@5700K	118 lm/W					
CCT	57000K						
CRI	90						
TLCI	>90, R9=70						
SDCM	< 5						
Beam Angle	UNB (9°), NB (15°), MB (30°), UWB (60°), ASY (132° x 16°), other on request						

*. The luminous flux is the average value, different models have a slight difference, please refer to the photometrics data.

Electrical and Mechanical Specifications

Input Voltage	198-440Vac~ 50/60Hz						
Power Consumption		800W	1000W	1200W	1500W	1600W	1800W
Power Factor	> 0.95						
Total Harmonic Distortion	≤5%						
Surge Protection	Line-to-line 10KV, line-to-ground 10KV						
Dimension (mm)	Light Engine	478*562*302mm				488*799*312mm	
	Gear Box	500*150*81mm				500*150*81mm	
Weight (kg)	Light Engine	18KG				24KG	
	Gear Box	6.2KG				6.2KG	
Optical	PC (Polycarbonate)						
Housing	Forged 1070 aluminum with high carbon steel mounting bracket						
Colour	RAL9005						

System Specifications

Power	198-440V AC 50/60Hz
Control	DMX-RDM, DALI
Mounting	Bracket installation, suitable for installation on the ground, wall, high mast and other solid plane
Operating Temperature	-40°C to +50°C
Storage Temperature	-40°C to +80°C
Environment	IP66 / IK10, suitable for outdoor and indoor applications, Coastal Environment (ASTM B117-16) is on request
Lumen Maintenance	L80-50000hours @30°C / L70-80000hours @30°C
Warranty	5 years
Safety Approval	Electrical Protection Class I, RCM

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

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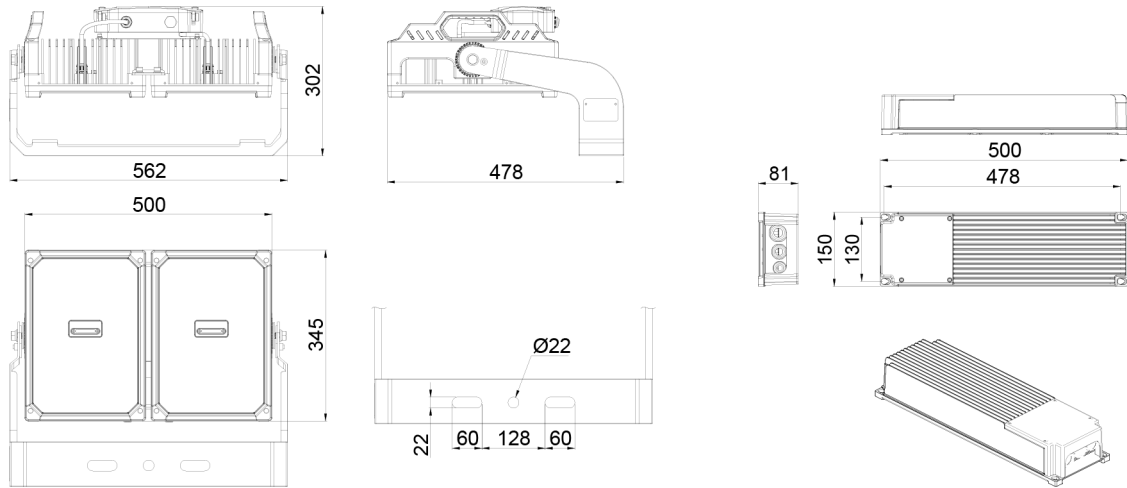
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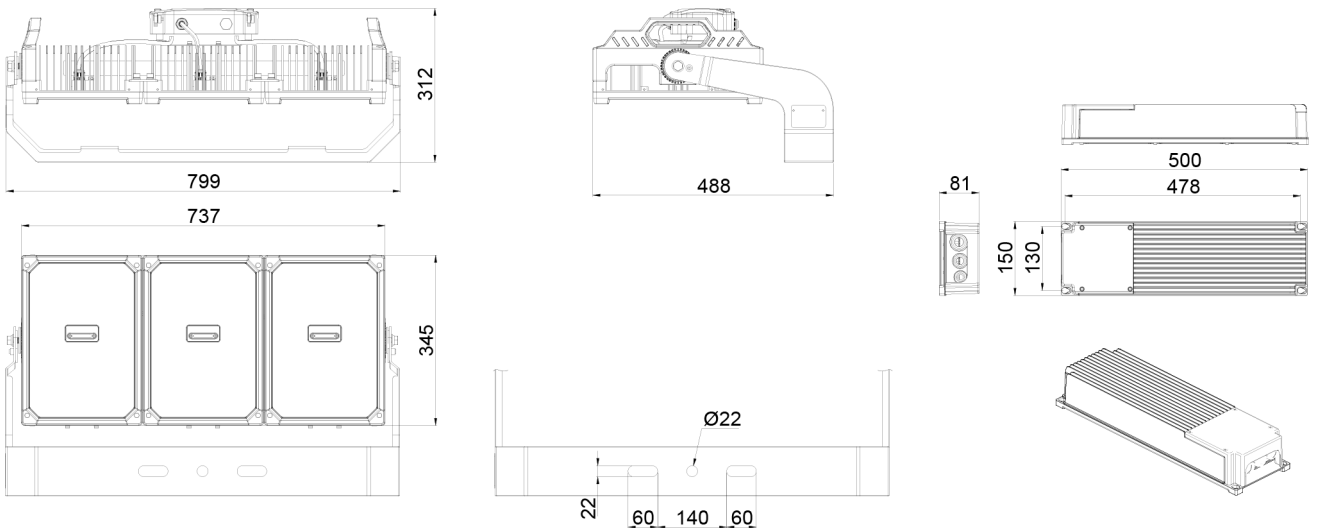
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Dimensions (Unit: mm)

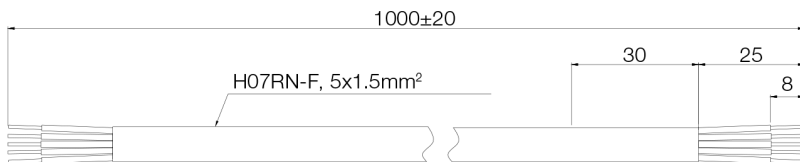
800W/1000W/1200W Light Engine & Gear Box



1500W/1600W/1800W Light Engine & Gear Box



Interconnection Cable 5-Cores

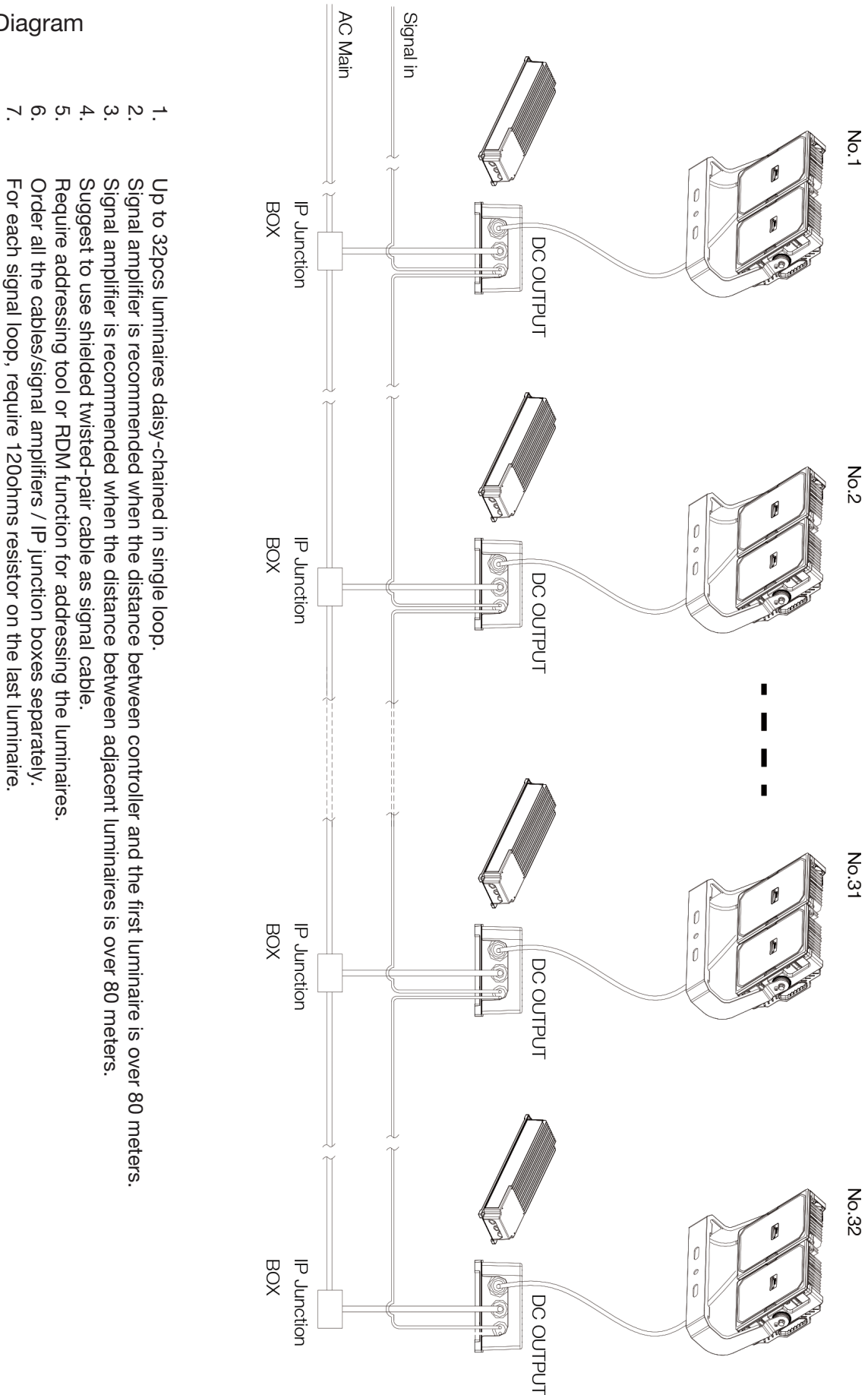


Interconnection Cable 4-Cores



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Wiring Diagram

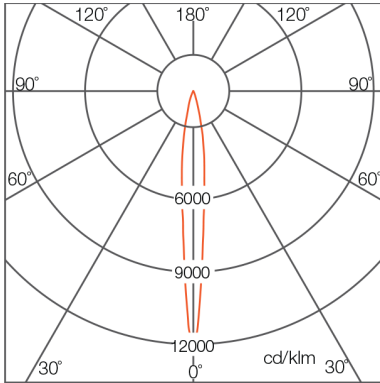


1. Up to 32pcs luminaires daisy-chained in single loop.
2. Signal amplifier is recommended when the distance between controller and the first luminaire is over 80 meters.
3. Signal amplifier is recommended when the distance between adjacent luminaires is over 80 meters.
4. Suggest to use shielded twisted-pair cable as signal cable.
5. Require addressing tool or RDM function for addressing the luminaires.
6. Order all the cables/signal amplifiers / IP junction boxes separately.
7. For each signal loop, require 120ohms resistor on the last luminaire.

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Photometrics

UNB (9°)

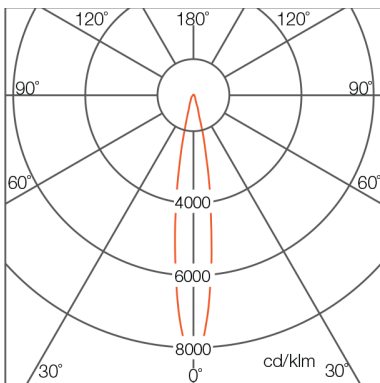


	Center Beam Lux/klm	Beam Width
2.0m	3069	0.32m
4.0m	767	0.64m
6.0m	341	0.97m
8.0m	192	1.29m
10.0m	123	1.61m

For feet multiply by 3.28

● Hertz. Spread: 9.2°
For fc divide by 10.7

NB (15°)

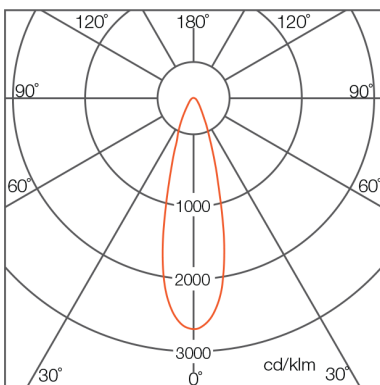


	Center Beam Lux/klm	Beam Width
2.0m	2138	0.56m
4.0m	534	1.11m
6.0m	238	1.67m
8.0m	134	2.22m
10.0m	86	2.78m

For feet multiply by 3.28

● Hertz. Spread: 15.8°
For fc divide by 10.7

MB (30°)



	Center Beam Lux/klm	Beam Width
2.0m	696	1.00m
4.0m	174	2.01m
6.0m	77	3.01m
8.0m	44	4.02m
10.0m	28	5.02m

For feet multiply by 3.28

● Hertz. Spread: 28.2°
For fc divide by 10.7

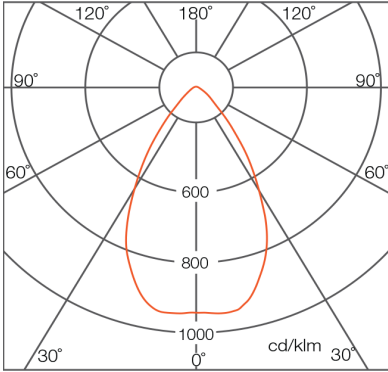
Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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Photometrics

UWB (60°)

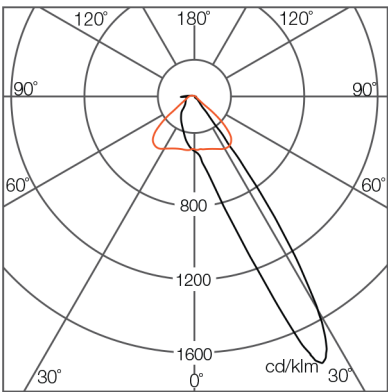


	Center Beam Lux/klm	Beam Width
2.0m	232	2.36m
4.0m	58	4.71m
6.0m	26	7.07m
8.0m	14	9.42m
10.0m	9	11.78m

For feet multiply by 3.28

● Hertz. Spread: 61.0°
For fc divide by 10.7

ASY (132° x 16°)



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Ordering Codes

Fixture (Cable to be ordered separately- refer to accessory list for details)

Product Reference	Product Code	SAP Code	Power (W)	Lumens	Beam Angle	Light Engine Dimension (mm)	Gearbox Dimension (mm)
PSS SHP V3.1 PREMIUM 800W 957 UNB DMX VS1	PSS800W957UNBDMX	GL23100026955	800W	92000	9°	475*562*302mm	
PSS SHP V3.1 PREMIUM 800W 957 NB DMX VS1	PSS800W957NBDMX	GL23100027055	800W	92000	15°	475*562*302mm	
PSS SHP V3.1 PREMIUM 800W 957 MB DMX VS1	PSS800W957MBDMX	GL23100027155	800W	92000	30°	475*562*302mm	
PSS SHP V3.1 PREMIUM 800W 957 UWB DMX VS1	PSS800W957UWBDMX	GL23100027255	800W	92000	60°	475*562*302mm	
PSS SHP V3.1 PREMIUM 800W 957 ASY DMX VS1	PSS800W957ASYDMX	GL23100027355	800W	92000	132° x 16°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1000W 957 UNB DMX VS1	PSS1000W957UNBDMX	GL23100028455	1000W	115000	9°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1000W 957 NB DMX VS1	PSS1000W957NBDMX	GL23100028555	1000W	115000	15°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1000W 957 MB DMX VS1	PSS1000W957MBDMX	GL23100028655	1000W	115000	30°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1000W 957 UWB DMX VS1	PSS1000W957UWBDMX	GL23100028755	1000W	115000	60°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1000W 957 ASY DMX VS1	PSS1000W957ASYDMX	GL23100028855	1000W	115000	132° x 16°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1200W 957 UNB DMX VS1	PSS1200W957UNBDMX	GL23100029955	1200W	138000	9°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1200W 957 NB DMX VS1	PSS1200W957NBDMX	GL23100030055	1200W	138000	15°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1200W 957 MB DMX VS1	PSS1200W957MBDMX	GL23100030155	1200W	138000	30°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1200W 957 UWB DMX VS1	PSS1200W957UWBDMX	GL23100030255	1200W	138000	60°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1200W 957 ASY DMX VS1	PSS1200W957ASYDMX	GL23100030355	1200W	138000	132° x 16°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1500W 957 UNB DMX VS1	PSS1500W957UNBDMX	GL23100031455	1500W	172500	9°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1500W 957 NB DMX VS1	PSS1500W957NBDMX	GL23100031555	1500W	172500	15°	475*562*302mm	500*150*81 mm
PSS SHP V3.1 PREMIUM 1500W 957 MB DMX VS1	PSS1500W957MBDMX	GL23100031655	1500W	172500	30°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1500W 957 UWB DMX VS1	PSS1500W957UWBDMX	GL23100031755	1500W	172500	60°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1500W 957 ASY DMX VS1	PSS1500W957ASYDMX	GL23100031855	1500W	172500	132° x 16°	475*562*302mm	
PSS SHP V3.1 PREMIUM 1600W 957 UNB DMX VS1	PSS1600W957UNBDMX	GL23100032955	1600W	184000	9°	488*800*312mm	
PSS SHP V3.1 PREMIUM 1600W 957 NB DMX VS1	PSS1600W957NBDMX	GL23100033055	1600W	184000	15°	488*800*312mm	
PSS SHP V3.1 PREMIUM 1600W 957 MB DMX VS1	PSS1600W957MBDMX	GL23100033155	1600W	184000	30°	488*800*312mm	
PSS SHP V3.1 PREMIUM 1600W 957 UWB DMX VS1	PSS1600W957UWBDMX	GL23100033255	1600W	184000	60°	488*800*312mm	
PSS SHP V3.1 PREMIUM 1600W 957 ASY DMX VS1	PSS1600W957ASYDMX	GL23100033355	1600W	184000	132° x 16°	488*800*312mm	
PSS SHP V3.1 PREMIUM 1800W 957 UNB DMX VS1	PSS1800W957UNBDMX	GL23100034455	1800W	207000	9°	488*800*312mm	
PSS SHP V3.1 PREMIUM 1800W 957 NB DMX VS1	PSS1800W957NBDMX	GL23100034555	1800W	207000	15°	488*800*312mm	
PSS SHP V3.1 PREMIUM 1800W 957 MB DMX VS1	PSS1800W957MBDMX	GL23100034655	1800W	207000	30°	488*800*312mm	
PSS SHP V3.1 PREMIUM 1800W 957 UWB DMX VS1	PSS1800W957UWBDMX	GL23100034755	1800W	207000	60°	488*800*312mm	
PSS SHP V3.1 PREMIUM 1800W 957 ASY DMX VS1	PSS1800W957ASYDMX	GL23100034855	1800W	207000	132° x 16°	488*800*312mm	

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Accessory

Product Reference	Product Code	SAP Code
PSS SHP V3.1 INTERCONNECTION CABLE 4C1M VS20 800-1200W (1 METER)	PSSICC4CiM812W	GA23100034955
PSS SHP V3.1 INTERCONNECTION CABLE 5C1M VS20 1500-1800W (1 METER)	PSSICC5CiM1518W	GA23100035055
PSS SHP V3.1 VISOR 1-module ACC VS4	PSSVISOR1MOD	GA23100035155
PSS SHP V3.1 VISOR 2-module ACC VS4	PSSVISOR2MOD	GA23100035255
PSS SHP V3.1 VISOR 3-module ACC VS4	PSSVISOR3MOD	GA23100035355
PSS SHP V3.1 Gearbox fixed-plate ACC VS20	PSSGBFIXPLT	GA23100044555

Sales enquiry:

HANECO



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1300 001 LED (533)



OSRAM

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