WS SERIES LED WS100-WS600

IP65

Benefits

- Wireless control simplifies operation for ease of use
- Centrally monitor and adjust power consumption
- Control system enables efficient planning of maintenance
- No re-lamping costs
- Instant startup allows the light to be switched on and off as and when required, thus saving energy costs by reducing power consumption from wasted light
- Flexible dimming down to 10% for low use and security giving substantial energy savings over conventional HID lamps
- Increased system efficiency by reducing wasted light

Technical Features

- Controllable via smart devices, touchscreen or wireless switch box
- Mounting height 12-45m
- 3 phase as standard
- Single phase 230V option available
- Marine grade as standard
- Die-cast aluminium polyester powder coated body with integrated heat sink and flexible bracket mount
- Lenses installed behind toughened flat glass for maximum integrity of the lenses
- High powered 1.55kW luminaire (WS100 - WS600)
- High powered 0.775kW luminaire (WS400)
- Dimmable in accordance with EN 12193
- Highly efficient optics

Lighting Distribution

The AAA-LUX WS Series of LED Luminaires offers a variety distribution options to suit individual requirements

Applications

- Sports

Colours

Black

Lighting control & WS Series

Using a pitch side control box, smart device, sensors or a computer based in house, individual courts or areas can be switched on and others dimmed or switched off, with the ability to switch lighting to full power instantly to allow for unexpected use or for a maximum energy saving between uses of the sport pitches or courts with little downtime.

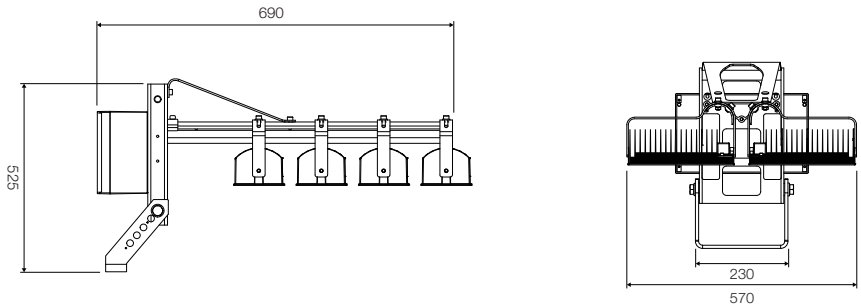
Technical Specifications

WS100 - WS600	Minimum	Typical	Maximum
Voltage input (VAC)	370	400	430
Power factor at 20%-100%	0.90	0.98	
Frequency (Hz)	45		60
Standby power (W)		5	
Colour temperature (K)		5200	
Colour rendering index	70	80	
Weight (kg)		28	
Ingress protection		IP65	
Electrical insulation class		I	
Frontal surface		0.26 C_w = 1	
Expected lifetime at Tamb = 25°C		35000hrs	60000hrs
Power consumption at 100%			
Standard - Heavy Duty (W)		1550	1600
Maximum Power (W)		1700	1750
High Temperature (W)		1375	1425
Current		(At 400VAC)	(At 375VAC)
Standard - Heavy Duty (A)		3.9	4.3
Maximum Power (A)		4.3	4.8
High Temperature (A)		2.5	3.9
Operating temperature			
Standard - Heavy Duty (°C)	-20		+40
Maximum Power (°C)	-20		+50
High Temperature (°C)	-20		+50
Luminous efficacy*			
Standard - Heavy Duty (lm / W)	103.3	113.1	140
Maximum Power (lm / W)	98.7	109.0	140
High Temperature (lm / W)	114.1	117.2	140

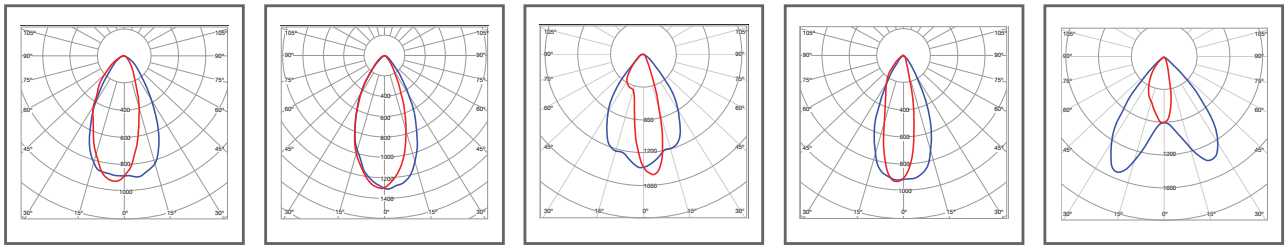
* Based on the WS2005

Dimensions

Dimensions in mm



Key features



WS100
Lamp: 8 LED Modules

WS150
Lamp: 8 LED Modules

WS200
Lamp: 8 LED Modules

WS250
Lamp: 8 LED Modules

WS301
Lamp: 8 LED Modules

cd/klm C0 - C180 C90 - 270

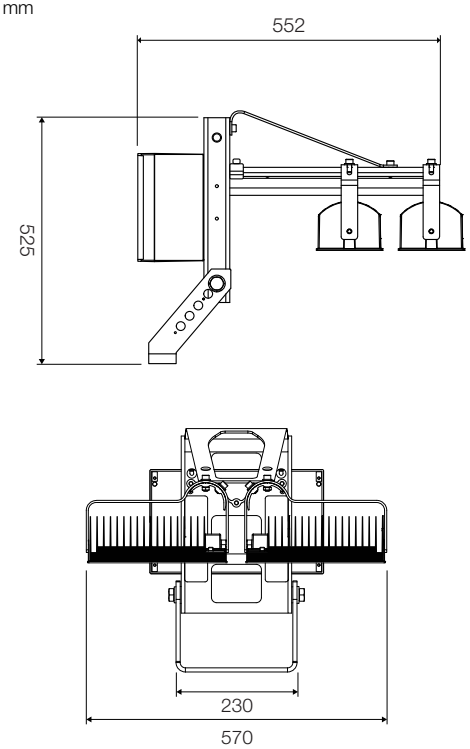
Technical Specifications

WS400	Minimum	Typical	Maximum
Voltage input (VAC)	370	400	430
Power factor	0.95	0.98	
Frequency (Hz)	45		60
Standby power (W)		7.6	8
Colour temperature (K)		5200	
Colour rendering index	70	80	
Weight (kg)		19	
Ingress protection		IP65	
Electrical insulation class		I	
Frontal surface		0.26 C_w = 1	
Expected lifetime at Tamb = 25°C		35000hrs	60000hrs
Power consumption at 100%			
Standard - Heavy Duty (W)		775	800
Maximum Power (W)		850	875
High Temperature (W)		700	735
Current		(At 400VAC)	(At 370VAC)
Standard - Heavy Duty (A)		2.0	2.2
Maximum Power (A)		2.1	2.4
High Temperature (A)		1.8	2.0
Operating temperature**			
Standard - Heavy Duty (°C)	-20		40
Maximum Power (°C)	-20		30
High Temperature (°C)	-20		50
Luminous efficacy*			
Standard - Heavy Duty (lm / W)	103.3	113.1	140
Maximum Power (lm / W)	98.7	109.0	140
High Temperature (lm / W)	114.1	117.2	140

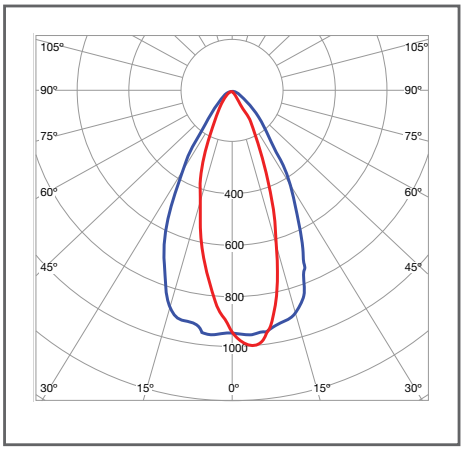
*Luminous efficacy WS400 **Absolute maximum temperature 60°C; auto dimming may occur at high temperatures

Dimensions

Dimensions in mm



Key features



WS400
Lamp: 4 LED Modules

cd/klm C0 - C180 C90 - 270