

Sports Lighting

Carsington Plus Sports Light 1650W 5000K 25 x 130D



Massive light output of up to 218,000lm, Ultra-High system efficiency over 140lm/WHigh quality Lumileds LED chip and Inventronics driver, Over 50,000 hours lifespan to L70, Professionally designed true asymmetric flat opticsTough IP66 and IK09 constructionHigh quality AkzoNobel anti-corrosion powder coating



General Data

Technology	LED
Mounting options	Pole   Wall
Install Options	Mounted on Bracket
Electrical Connector Type	Flying Lead
Input Cable	1.5m H07RN-F 3-Core
Input Electrical Connection	Yes
General Application	Sports Lighting   Industrial
Operating Temperature Range °C	-30 - +50
Warranty (Years)	5

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## Technical Specification

## Optical Data

<b>LED Manufacturer / Type</b>	Fujian Lightning Optoelectronic
<b>Fixture Luminous Flux (Lm)</b>	218060
<b>Luminaire Efficacy @5000K (lm/W)</b>	130
<b>LOR %</b>	100
<b>Colour Selectable</b>	No
<b>Beam Angle°</b>	25 x 130
<b>Optics</b>	Asymmetric Optic
<b>Photobiological Risk Group</b>	RG1

## Light Source Data

<b>Energy Class</b>	D
<b>Lm/W</b>	130
<b>SDCM</b>	5
<b>Colour Temperature (K)</b>	5000
<b>Light Colour</b>	Daylight
<b>CRI Ra</b>	70

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## Electrical Data

<b>Wattage (W)</b>	1650
<b>Total Power Consumption (W)</b>	1677.38
<b>Mains voltage (V)</b>	100 - 277
<b>Lamp power factor</b>	>96
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	81 - 217
<b>Driver Output Current (mA)</b>	5250
<b>Control Gear Type CC or CV</b>	Constant Current
<b>Dimmable</b>	No
<b>Driver Brand</b>	Inventronics
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	20

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	102000
<b>Lifespan L80 B20 @25°C (Hrs)</b>	77000
<b>Lifespan L90 B10 @25°C (Hrs)</b>	30000

**Physical Data**

Housing colour	Black RAL 9005
Body material	Aluminium with AkzoNobel anti-corrosive powder coating
Driver Housing	Aluminium Alloy
IP Rating	66
IK Rating	9
EPA Wind Rating	0.082 @ 0°   0.102 @ 10°
Diffuser Material	Polycarbonate
Diffuser finish	Optical Lens
Nominal Product Length (mm)	791
Nominal Product Width (mm)	673
Nominal Product Height (mm)	138
Weight (kg)	31.54

**Standards and Approvals**

Manufactured In Accordance To	EN 60598-1   60598-2-5
CE Mark	Yes
UKCA Mark	Yes
WEEE Symbol	Yes
Certificate Of Conformity	Available on Request
Accredited Members	LIA, ISO9001

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