

Sports Lighting

Carsington Plus Sports Light 600W 5000K 40 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

LED Manufacturer / Type	Lightning SMD5050
Fixture Luminous Flux (Lm)	84394
Luminaire Efficacy @5000K (lm/W)	136
LOR %	100
Colour Selectable	No
Beam Angle°	40 x 130
Optics	Asymmetric Optic
Photobiological Risk Group	RG1

### Light Source Data

Energy Class	D
Lm/W	136
SDCM	5
Colour Temperature (K)	5000
Light Colour	Daylight
CRI Ra	70

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## Electrical Data

<b>Wattage (W)</b>	600
<b>Total Power Consumption (W)</b>	620
<b>Mains voltage (V)</b>	100 - 277
<b>Lamp power factor</b>	>96
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	108 - 268
<b>Driver Output Current (mA)</b>	2800
<b>Control Gear Type CC or CV</b>	Constant Current
<b>Dimmable</b>	No
<b>Driver Brand</b>	Inventronics
<b>Inrush Current (A)</b>	4.7
<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	0.053 @ 0°   0.067 @ 10°
Diffuser Material	Polycarbonate
Diffuser finish	Optical Lens
Nominal Product Length (mm)	728
Nominal Product Width (mm)	538
Nominal Product Height (mm)	114
Weight (kg)	22

**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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Technical Specification

