

Sports Lighting

Carsington Plus Sports Light 600W 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

|                                  |                   |
|----------------------------------|-------------------|
| LED Manufacturer / Type          | Lightning SMD5050 |
| Fixture Luminous Flux (Lm)       | 84394             |
| Luminaire Efficacy @5000K (lm/W) | 136               |
| LOR %                            | 100               |
| Colour Selectable                | No                |
| Beam Angle°                      | 25 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

|                             |                  |
|-----------------------------|------------------|
| Wattage (W)                 | 600              |
| Total Power Consumption (W) | 620              |
| Mains voltage (V)           | 100 - 277        |
| Lamp power factor           | >96              |
| Electrical protection       | Class I          |
| Driver Output (V)           | 108 - 268        |
| Driver Output Current (mA)  | 2800             |
| Control Gear Type CC or CV  | Constant Current |
| Dimmable                    | No               |
| Driver Brand                | Inventronics     |
| Inrush Current (A)          | 4.7              |
| Nominal Frequency (Hz)      | 50/60            |
| Surge Protection (kV)       | 20               |

## Lifetime Data

|                              |        |
|------------------------------|--------|
| Lifespan L70 B50 @25°C (Hrs) | 102000 |
| Lifespan L80 B20 @25°C (Hrs) | 77000  |
| Lifespan L90 B10 @25°C (Hrs) | 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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