

430861

Technical Specification

Commercial

Avon Pro 4W & 6W Fire Rated 360° Gimbal Downlight 4CCT Black 60D



25° Tilt in all directions , Slim Body, Front slide switch for wattage and CCT select, IC approved, can be covered directly under insulation, Flicker Free driver with triac dimming

General Data

|                                |                                                                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Technology                     | LED                                                                                                                               |
| Mounting options               | Ceiling                                                                                                                           |
| Install Options                | Recessed                                                                                                                          |
| Electrical Connector Type      | Lever Push Fit Terminal                                                                                                           |
| Input Cable                    | 2-Core Ø0.75-2.5mm                                                                                                                |
| Input Electrical Connection    | Live   Neutral                                                                                                                    |
| Fire Rating                    | 30min Solid Joist   60min Solid Joist   90min Solid Joist   30 min Web Joist   60 min Web Joist   30 min I-Joist   60 min I-Joist |
| General Application            | Commercial   Residential                                                                                                          |
| Minimum Void Requirement (mm)  | 47                                                                                                                                |
| Operating Temperature Range °C | -10 - +40                                                                                                                         |
| Warranty (Years)               | 5                                                                                                                                 |

**Optical Data**

|                                  |           |
|----------------------------------|-----------|
| LED Manufacturer / Type          | SMD 2835  |
| Luminaire Efficacy @2700K (lm/W) | 117   110 |
| Luminaire Efficacy @3000K (lm/W) | 121   115 |
| Luminaire Efficacy @4000K (lm/W) | 127   112 |
| Luminaire Efficacy @6000K (lm/W) | 134   128 |
| LOR %                            | 100       |
| Colour Selectable                | Yes       |
| Beam Angle°                      | 60        |
| Photobiological Risk Group       | RG0       |

**Light Source Data**

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Energy Class           | D                                               |
| Colour Temperature (K) | 2700   3000   4000  6000                        |
| Light Colour           | Warm Light   Warm Light   Cool White   Daylight |
| CRI Ra                 | <85                                             |

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## Electrical Data

|                                  |                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Wattage (W)                      | 4   6                                                                                                           |
| Mains voltage (V)                | 220 - 240                                                                                                       |
| Lamp power factor                | >>805                                                                                                           |
| Electrical protection            | Class II                                                                                                        |
| Driver Output (V)                | 60-75                                                                                                           |
| Driver Output Current (mA)       | 50  75                                                                                                          |
| Control Gear Type CC or CV       | Constant Current                                                                                                |
| SVM                              | 0.01                                                                                                            |
| PstLM                            | 0.23                                                                                                            |
| Dimmable                         | Yes                                                                                                             |
| Dimmable Type                    | Triac Dim (both Trailing & Leading edge)                                                                        |
| Recommended Dimmers              | • MK-K1531 • V-PRO-A1404071 • HAMILTON LED ITB • SCHNEIDER-PDV-VR250UK • ZIGBEE • BG-DM400AP • EUROLITE-EN1DLED |
| Driver Brand                     | Lumineux                                                                                                        |
| Inrush Current (A)               | 1.44                                                                                                            |
| Nominal Frequency (Hz)           | 50/60                                                                                                           |
| Max. Luminaire per 10A C Breaker | 167                                                                                                             |
| Max. Luminaire per 13A C Breaker | 217                                                                                                             |
| Max. Luminaire per 16A C Breaker | 267                                                                                                             |
| Max. Luminaire per 20A C Breaker | 333                                                                                                             |
| Max. Luminaire per 10A B Breaker | 167                                                                                                             |
| Max. Luminaire per 13A B Breaker | 217                                                                                                             |
| Max. Luminaire per 16A B Breaker | 267                                                                                                             |
| Max. Luminaire per 20A B Breaker | 333                                                                                                             |

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**Lifetime Data**

|                              |        |
|------------------------------|--------|
| Lifespan L70 B50 @25°C (Hrs) | >60000 |
| Lifespan L80 B20 @25°C (Hrs) | >60000 |
| Lifespan L90 B10 @25°C (Hrs) | 47000  |

**Physical Data**

|                             |                       |
|-----------------------------|-----------------------|
| Housing colour              | Black                 |
| Body material               | Aluminium   SPCC   PC |
| IP Rating                   | 54 Front, 20 Back     |
| Zoning Suitability          | Zone 1 & Zone 2       |
| Nominal Product Length (mm) | 95                    |
| Nominal Product Width (mm)  | 45                    |
| Nominal Product Height (mm) | 75                    |
| Cut-Out (mm)                | 75-80                 |
| Weight (kg)                 | 0.25                  |

**Standards and Approvals**

|                               |                                                                             |
|-------------------------------|-----------------------------------------------------------------------------|
| Manufactured In Accordance To | EN 60598-1   EN 60598-2-2   BS 476-20:1987+AC:2014   BS 476-21:1987+AC:2014 |
| CE Mark                       | Yes                                                                         |
| UKCA Mark                     | Yes                                                                         |
| WEEE Symbol                   | Yes                                                                         |
| Certificate Of Conformity     | Available on Request                                                        |
| Accredited Members            | LIA, ISO9001                                                                |

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