

430378

Technical Specification

## Commercial

### Avon Pro Fire rated Downlight 7W 4CCT 60° White RAL 9016



Complies with parts B, C, E and L of Building Regulations, Fully tested for 30, 60 and 90 minutes, Tested for use in Solid Joist, I-Joist and Steel Open Web Joist Ceilings, Suitable for solid or stranded cable  $\varnothing$  0.75 – 2.5mm<sup>2</sup>, Designed to work with insulation, 60° beam angle, plus extra 30° angle for Gimbal



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## General Data

|                                |                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------|
| Technology                     | LED                                                                                           |
| Mounting options               | Ceiling                                                                                       |
| Install Options                | Recessed                                                                                      |
| Electrical Connector Type      | Lever 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 I-Joist   30 min Web Joist |
| General Application            | Commercial   Residential                                                                      |
| Minimum Void Requirement (mm)  | 60                                                                                            |
| Insulation Coverage            | Can be covered                                                                                |
| Operating Temperature Range °C | -10 - +40                                                                                     |
| Warranty (Years)               | 5                                                                                             |

## Optical Data

|                                  |                       |
|----------------------------------|-----------------------|
| LED Manufacturer / Type          | Hongli MTC            |
| Fixture Luminous Flux (Lm)       | 676   716   724   730 |
| Luminaire Efficacy @2700K (lm/W) | 91                    |
| Luminaire Efficacy @3000K (lm/W) | 95                    |
| Luminaire Efficacy @4000K (lm/W) | 103                   |
| Luminaire Efficacy @6000K (lm/W) | 99                    |
| LOR %                            | 100                   |
| Colour Selectable                | Yes                   |
| Beam Angle°                      | 60                    |
| Photobiological Risk Group       | RG0                   |

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**Light Source Data**

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Energy Class           | F                                               |
| Lm/W                   | 103                                             |
| SDCM                   | 4                                               |
| Colour Temperature (K) | 2700   3000   4000   6000                       |
| Light Colour           | Warm Light   Warm Light   Cool White   Daylight |
| CRI Ra                 | 80                                              |

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## Electrical Data

|                                  |                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| Wattage (W)                      | 7                                                                                                |
| Total Power Consumption (W)      | 7.4   7.5   7.0   7.4                                                                            |
| Mains voltage (V)                | 220 - 240                                                                                        |
| Lamp power factor                | >805                                                                                             |
| Electrical protection            | Class II                                                                                         |
| Driver Output (V)                | 72-80                                                                                            |
| Driver Output Current (mA)       | 80                                                                                               |
| Control Gear Type CC or CV       | Constant Current                                                                                 |
| LED Flicker Rate                 | Flicker-free                                                                                     |
| Dimmable                         | Yes                                                                                              |
| Dimmable Type                    | Trailing Edge                                                                                    |
| Recommended Dimmers              | • Varilight V-Pro-JDLP401S • Zano ZGRIDLED150 • Hamilton VWP1XI_EDITB100 • Schneider GGBL6012LMS |
| Driver Brand                     | Lumineux                                                                                         |
| Inrush Current (A)               | 3                                                                                                |
| Nominal Frequency (Hz)           | 50/60                                                                                            |
| Surge Protection (kV)            | 1.5                                                                                              |
| Max. Luminaire per 10A C Breaker | 95                                                                                               |
| Max. Luminaire per 13A C Breaker | 120                                                                                              |
| Max. Luminaire per 16A C Breaker | 150                                                                                              |
| Max. Luminaire per 20A C Breaker | 175                                                                                              |
| Max. Luminaire per 10A B Breaker | 45                                                                                               |
| Max. Luminaire per 13A B Breaker | 60                                                                                               |
| Max. Luminaire per 16A B Breaker | 130                                                                                              |
| Max. Luminaire per 20A B Breaker | 145                                                                                              |

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**Lifetime Data**

|                              |       |
|------------------------------|-------|
| Lifespan L70 B50 @25°C (Hrs) | 50000 |
|------------------------------|-------|

**Physical Data**

|                             |                       |
|-----------------------------|-----------------------|
| Housing colour              | White RAL 9016        |
| Body material               | Sheet Metal   Plastic |
| Driver Housing              | PC Plastic            |
| IP Rating                   | 65 Front, 20 Back     |
| IK Rating                   | 8                     |
| Diffuser Material           | Polycarbonate         |
| Nominal Product Length (mm) | 88                    |
| Nominal Product Width (mm)  | 65                    |
| Nominal Product Height (mm) | 50                    |
| Cut-Out (mm)                | 70                    |
| Weight (kg)                 | 0.24                  |

**Standards and Approvals**

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

Product Relations

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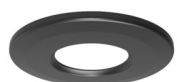
**430382**  
**Avon Pro White Bezel RAL 9016**



**430380**  
**Avon Pro Chrome Bezel**



**430381**  
**Avon Pro Brushed Chrome Bezel**



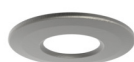
**430482**  
**Avon Pro Black Bezel**



**430497**  
**Avon Pro Brass Bezel**



**430506**  
**Avon Pro Gimbal Satin Nickel Bezel**



**430505**  
**Avon Pro Satin Nickel Bezel**



**430481**  
**Avon Pro Gimbal Black Bezel**

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**430375**  
**Avon Pro Gimbal Brushed Chrome Bezel**



**430374**  
**Avon Pro Gimbal Chrome Bezel**



**430496**  
**Avon Pro Gimbal Brass Bezel**



**430376**  
**Avon Pro Gimbal White Bezel RAL 9003**

