

## 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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Technical Specification

## General Data

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

## Optical Data

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

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## Light Source Data

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

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## Electrical Data

<b>Wattage (W)</b>	7
<b>Total Power Consumption (W)</b>	7.4   7.5   7.0   7.4
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.85
<b>Electrical protection</b>	Class II
<b>Driver Output (V)</b>	72-80
<b>Driver Output Current (mA)</b>	80
<b>Control Gear Type CC or CV</b>	Constant Current
<b>LED Flicker Rate</b>	Flicker-free
<b>Dimmable</b>	Yes
<b>Dimmable Type</b>	Trailing Edge
<b>Recommended Dimmers</b>	• Varilight V-Pro-JDLP401S • Zano ZGRIDLED150 • Hamilton VWP1XI_EDITB100 • Schneider GGBL6012LMS
<b>Driver Brand</b>	Lumineux
<b>Inrush Current (A)</b>	3
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1.5
<b>Max. Luminaire per 10A C Breaker</b>	95
<b>Max. Luminaire per 13A C Breaker</b>	120
<b>Max. Luminaire per 16A C Breaker</b>	150
<b>Max. Luminaire per 20A C Breaker</b>	175
<b>Max. Luminaire per 10A B Breaker</b>	45
<b>Max. Luminaire per 13A B Breaker</b>	60
<b>Max. Luminaire per 16A B Breaker</b>	130
<b>Max. Luminaire per 20A B Breaker</b>	145

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## Lifetime Data

Lifespan L70 B50 @25°C (Hrs)	50000
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## 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



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

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Technical Specification



**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**



**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**

