

430651

Technical Specification

Commercial

Avon One Fire Rated Downlight 5W 4000K White RAL 9016 60D



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 – 2.5mm², Designed to work with insulation, 3000K and 4000K options



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General Data

Technology	LED
Mounting options	Ceiling
Install Options	Recessed
Electrical Connector Type	Push Terminal
Input Cable	2-Core Ø0.75-2.5mm
Input Electrical Connection	Live Neutral
Fire Rating	30min 60min 90min
General Application	Commercial Residential
Minimum Void Requirement (mm)	60
Insulation Coverage	Can be covered
Operating Temperature Range °C	-10 - +40
Warranty (Years)	3

Optical Data

LED Manufacturer / Type	Hongli
Fixture Luminous Flux (Lm)	700
Luminaire Efficacy @4000K (lm/W)	112
LOR %	100
Colour Selectable	No
Beam Angle°	60
Photobiological Risk Group	RG0

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Light Source Data

Energy Class	E
Colour Temperature (K)	4000
Light Colour	Cool White
CRI Ra	80

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Electrical Data

Wattage (W)	5
Total power consumption (W)	5.5
Mains voltage (V)	220-240
Lamp power factor	>805
Electrical protection	Class II
Driver Output (V)	60-75
Driver Output Current (mA)	55
Control Gear Type CC or CV	Constant Current
SVM	0.17
PstLM	0.18
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	Luminaireux
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

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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

Lifetime Data

Lifespan L70 B50 @25°C (Hrs)	25000
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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
Zoning Suitability	Zone 1
Diffuser Material	PC Plastic
Diffuser Finish	Optic Lens
Nominal Product Length (mm)	84
Nominal Product Width (mm)	60
Nominal Product Height (mm)	50
Cut-out (mm)	70
Weight (kg)	0.16

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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

