

430850

Technical Specification

Commercial

Avon Pro 4W & 6W Fire Rated Downlight 4CCT White 60D



Slim Body, Front slide switch for wattage and CCT select, Magnetic replaceable bezel design, Male & female quick plug connection makes quick install and testing, IC approved, can be covered directly under insulation, Flicker Free driver with triac dimming



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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 - +45
Warranty (Years)	5

Optical Data

LED Manufacturer / Type	SMD 2835
Luminaire Efficacy @2700K (lm/W)	115 106
Luminaire Efficacy @3000K (lm/W)	119 110
Luminaire Efficacy @4000K (lm/W)	127 119
Luminaire Efficacy @6000K (lm/W)	136 126
LOR %	100
Colour Selectable	Yes
Beam Angle°	60
Photobiological Risk Group	RG0

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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	>>80
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)	52000

Physical Data

Housing colour	White RAL 9016
Body material	Aluminium SPCC PC
IP Rating	65 Front, 20 Back
Zoning Suitability	Zone 1
Nominal Product Length (mm)	85
Nominal Product Width (mm)	66
Nominal Product Height (mm)	48
Cut-Out (mm)	68-75
Weight (kg)	0.29

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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