

JC1013/WH

V50™ Pro

V50™ Pro Retrofit 100mm Fire-rated LED Downlight 6W IP65 3000/4000K White

Features & Benefits

- Slim profile 3mm bezel with a slimline double hinged driver, including colour coded loop in/loop out terminals
- Allows for retrofit where larger downlights were previously installed covers ceiling cut-outs Ø70-92mm
- Ideal for damage from previous fittings or replacement of traditional large fittings
- Low profile design, for installations in shallow 50mm ceiling voids
- Selectable colour temperature from beneath the ceiling, 3000K & 4000K
- See jcc.co.uk for latest Fire test reports
- This product contains a light source of energy efficiency class F



Beam



Class 2



Colour
switchable



CRI: Ra



Dimmable



Rating



Warranty*

General Information

Mounting	Recessed
Trade Name	V50™ Pro
Environment	Indoor
Product Group	Fire-rated Downlights
Color Finish	White
Product Shape	Round
Product Range	Fire-rated Downlights
Overall Dimensions	Ø100 x 54
Height (mm)	54
Diameter (mm)	100
Product Weight(kg)	0.258
Light Source	LED
Light Source Features	Colour Selectable
Additional Information	Maximum ceiling thickness is 30mm
Overall dimensions (mm) Rim	Ø100
Recommended product location	Indoor use only
Minimum Void Requirement	50mm
Method of fix	Recessed with Spring Clips
Product Aperture Size	Ø70-92mm

IP Rating	IP65
Duration of Fire protection (Mins)	Tested for use in fire-rated ceilings. Full information and up-to-date fire testing certificates for ceiling system types are available on JCC.CO.UK
Origin of manufacturer	Made In China
Warranty	7 years(Terms & conditions apply)
Dimming Protocol Compatibility	Triac
Driver manufacturer	JCC
LED manufacturer/type	Hongli
Customs Tariff code**	9405421000

Electrical

Voltage Rating	230-240
Primary Running Current(Amp)	0.042
Inrush current(Amps)	0.325A
Operating Frequency Hz	50/60Hz
Secondary running current(mA)	145
Constant Current or Constant Voltage	CC
Luminaire Circuit Wattage1	6
Class	II
Output Voltage Max/Range (VDC)	30-44
Input Electrical Connections	Colour coded Push Fit Terminals LEN Loop In/Loop Out
Dimmable	Yes
Max No. In Run	30

Thermals

Insulation Coverage	Loosely Cover with Mineral Wool Insulation
Minimum Void Requirement	50mm
Operating Temperature Range °C	0 to 26

Performance Data

LED Life (Hours)*	51000
Energy Rating	This product contains a light source of energy efficiency class D
Actual Lumen Output1	650
Actual Lumen Output2	700
Lumens Per Circuit Watt1	108
Lumens Per Circuit Watt2	116
Standard Deviation Colour Matching - SDCM	1.3
Color Rendering Index	80-89
CRI: Ra	80
Correlated Colour Temperature1	3000K
Correlated Colour Temperature2	4000K
Beam Angle °	60
LOR (Light Output Ratio) %	100

Photometry Available

Yes: available on request.

Construction

Primary Material

Steel

Lens

Polycarbonate

Heat Sink

Aluminium

Driver Housing

Polycarbonate

Rim or Attachment

Die-cast Aluminium

Packaging

Product Packaged Weight(kg)

0.3

Quantity Per Outer Carton

30

Outer carton(L)- cm

59

Outer carton(W)- cm

24.5

Outer carton(H)- cm

23

Outer carton Net weight- kg

8.99

Outer carton Gross weight- kg

9.53

Product Bar Code EAN-13 Number

5052544112515

Outer carton Bar Code ITF-14 Number

15052544112512

Standards & Approvals

Manufactured in accordance to

BS EN 60598:2015, 2-1, 2-2

CE Marked

Yes

UKCA Marked

Yes

Date code/Purchase order No.

Yes

WEEE symbol

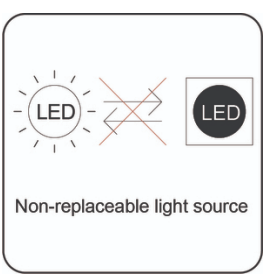
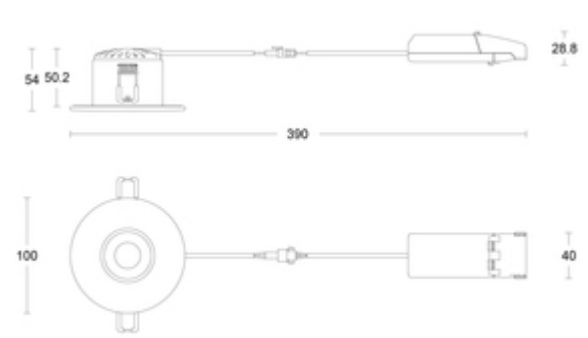
Yes

Certificate Of Conformity

Available on request

Accredited Members

LIA, ISO9001-2015, ISO14001-2015



*Hours life stated is an indication of expected L70 chip and light output calculations when operating in optimum conditions. Product warranty period supports the full product during the term given. The L70 hours expectancy is not correlated with the full product warranty term, nor is it a representation of lumen depreciation during the warranty period.

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