

Creating the perfect ambience

Colour Range



Or painted to your choice of colour
Show Home Display Boards are available

Ordering codes

Choosing the style to suit your application

Low Voltage

SN	30	CH	F	S	For Square Model add Q
Low Voltage Snaplite	Fire Rating 30 0.5 Hour 60 1.0 Hour 90 1.5 Hour	Colour WH White GD Gold CH Chrome BA Brushed Alu SC Satin Chrome OG Old Gold AC Antique Copper NC Nickel Chrome GR Vintage Green RD Red BL Aqua Blue	Style F Flush D Directional	IP Rating S Standard P IP54 Rated	

Mains

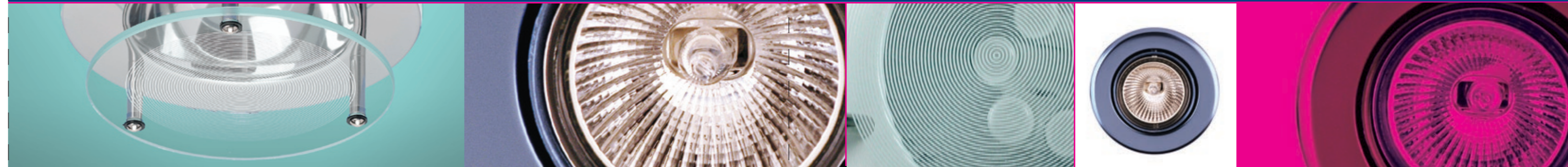
MN	35	CH	X	F	30	For Square Model add Q
Mains Snaplite	Watts 35 35W 50 50W	Colour same as Low Voltage	Type X No Standoff Y Standoff	Style F Flush	Fire Rating same as Low Voltage	

www.snaplite.co.uk

Sales 0870 443 7735
Calls will be charged at BT's national rate.

The team that is keeping pace with changing regulations and demands of the building industry to provide inbuilt fire rated, acoustically resistant and air sealed downlighters simply and safely.

Snaplite®
Recessed Lighting



CPD Presentations on Downlighter Protection

Please telephone 01527 595 349



Protection Guide

Location

Separating Floors
Intermediate Floors
Upper Floor Ceilings
Upper Floor Bathrooms
Under Insulation
Bathrooms Zones 1,2,3

Protection

Fire & Acoustics
Fire & Acoustics
Fire Hazard / Air Tight
Fire Hazard/ Condensation
Continuity of Insulation
IP44

Fit

Snaplite
Snaplite
Snaplite
Snaplite
Snaplite



UK Manufactured



THE QUEENS AWARDS FOR ENTERPRISE: 2006

Licensed manufacturer to BS EN ISO9001:2000
Order Processing and Despatch

Electro-Technik Limited
Shaw Lane Industrial Estate
Stoke Prior, Bromsgrove
Worcestershire B60 4DT

COMPLIANCE CERTIFICATES
To download LABC APPROVAL and Building Regulations COMPLIANCE CERTIFICATES
Please visit www.snaplite.co.uk

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www.electro-technik.com
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We reserve the right to amend any product specification without prior notice. Snaplite is manufactured under license from Safe and Sound Lighting Limited.

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The Safe & Sound Lighting Solutions to Building Regulations

- Part B Fire
- Part C Air Leakage
- Part E Acoustics
- Part E Robust Details Assessed
- Part L1A Air-Tightness
- Part L1A Continuity of Insulation
- Part P Safe Electrical Installations
- NHBC Downlighters in ceilings below Roof Spaces

All without the need for covers or boxes



ISSUE JULY 07



UK Manufactured

Safe and Sound Lighting Limited has won the Queen's Award for Innovation 2006 for its continuous and innovative development of Snaplite, over 9 years, to meet the changing and demanding requirements of Building Regulations and Guidance.



Rules for Downlighters

(Local Authority Building Control journal SiteLines Spring 07)

Separating Floors and Intermediate Floors. FIRE

All downlighters must be Fire Rated – use downlighters with inbuilt protection or conventional downlighters with appropriately tested cover.

All downlighters must have had individual 30 minute, 60 minute or 90 minute fire tests. The manufacturer / supplier must be able to produce evidence of this.

A "blanket" 90 minute rating is not acceptable.

Downlighters that have only been tested to BS476 Part 23 are also not acceptable.

Separating Floors. ACOUSTICS

If using a Robust Details Structure, the downlighter must have been tested and successfully assessed to Appendix F, Timber Separating Floors, Robust Details Handbook January 2005.

Other structures – the downlighter must have been subjected to a full airborne and impact acoustic test.

Downlighters in ceilings to roof spaces

With the exception of Snaplite, downlighters must be protected by the use of a cover or box **a)** to prevent causing a fire hazard by becoming in contact with inflammable materials in the loft, **b)** to enable the downlighter to operate under insulation and **c)** to form a seal to reduce the transfer of useful heat or condensation up into the roof space.

BS 5250 2002 states that the total leakage through all downlighters should not exceed 0.006m³/hour per m² of ceiling area at a pressure of 2Pa.

Part L1A 37. A reasonable limit for the design air permeability of the building envelope is 10m³/hour per m² at 50Pa.

Manufacturers / suppliers must be able to quote the air leakage rate of their downlighters to enable the necessary calculations to be made.
See Snaplite Specifications.

Bathroom Regulations

Very simply, if installed directly into the bath or shower tray, downlighters must be IP 67 rated, otherwise all other areas IP44.

In area of high humidity such as saunas or wet rooms, it is advisable to use downlighters that are at least IP65 rated.

Low Energy Recessed Downlighters

When used in any of the above locations they must also meet the relevant regulations and should number not less than the greater of

- one per 25m² of dwelling floor area or
- one per four fixed lighting fittings.

To ensure that they can only take low energy lamps the downlighters should also be of the dedicated 4 pin style.

Snaplite recessed downlighters have successfully completed the following test programme and fitting Snaplite gives immediate compliance with Building Regulations B,C,E and P without the need for covers or boxes. These tests include modern I beam and metal web joist structures in addition to traditional floor structures.

Report No	Test Description
Building Test Centre BTC 1042F BTC 354FA	Fire BS 476 parts 20 & 21 Fire BS 476 part 21
Chiltern International Fire IF 00042	Fire BS 476 parts 20 7 21
Loss Prevention Council TE 92663	Fire BS 476 part 23
Building Research Establishment BRE 213944 BRE 221852 BRE 223463	Acoustic (Airborne/Impact) Robust Details Appendix F RD (En-suite) High Density
Birmingham University SBR 07/05	Air Leakage Part C Air Tightness Part L1A

CD is available with over 150 pages detailing the above tests. Please call 0870 443 7735 for your copy.

Snaplite®

Manufactured in the UK, Snaplite® was the first domestic downlighter in the world to have in-built fire and acoustic protection, the first to gain LABC approval, the first to be tested in composite and preformed metal joists and the first to be successfully assessed to Robust Details Appendix F.

With over 10 years experience of fire, acoustics and air flow applications, Snaplite® has become the industry benchmark for quality, safety and regulatory acceptance.

Low Voltage

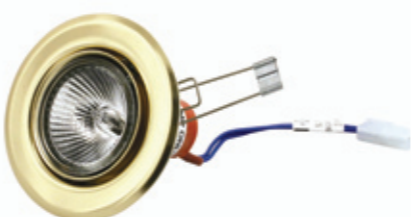


Meets Building Regulations B, C, E, P and L1A Air-tightness and the requirements of NHBC "Downlighters in ceilings below roof spaces" Standards Extra 31& 32.

All without the need for covers, boxes or add-on components.

Specification

Fire Ratings	30, 60 & 90 Minute
Air Leakage Rate BS5250	0.006m ³ /hr @ 2Pa
Air Tightness Part L1A	0.14m ³ /hr @ 50Pa
Acoustic Downgrade	Zero
Robust Details	Assessed for Timber, Concrete and Steel structures. En-suite Bathrooms – 1 light per 1.17m ² spaced at 0.8m
Cut out diameter	68mm
Bezel diameter	89mm
Minimum void recess	70mm (from underside of ceiling)
Lamp-standard	Osram Decostar Alu 41871 WFL 12V 50W 38° beam angle
Lamp – IP models	BLV Alu 185051 with front glass
IP rating	54
Transformer	Mini Mole 60 VA, fully dimmable with leading & trailing edge dimmers Max ambient 50°C. Trip temperature 85°C
Styles	Flush - 12° adjustment Directional - Full adjustment with lock
Lath and plaster	Use outer shield to maintain a clean cut out
General	Supplied complete with pre-cabled electronic transformer and appropriate lamp



Outer shield Part No FS-OS
Supplied with 60 and 90 minute versions of low voltage and mains models of Snaplite. The outer shield is pushed up through the cut out and its fingers bent over, compressing the layers of plasterboard, to prevent the ingress of fire between the boards.

Snaplite®

The recessed downlighter range that meets all the requirements of Building Regulations, Industry Guidance and Best Practice as standard. No boxes, covers or add-on components needed.

Snaplite® is internally sealed, has fire and acoustic protection built into the fitting and is complete with insulation stand-off.

This level of protection is standard to all models and guarantees immediate compliance to Parts B, C, E, P and L1A Air-tightness and the requirements of NHBC "Downlighters in ceilings below roof spaces" Standards Extra 31 & 32.



Mains



Specification

Fire Ratings	30, 60 & 90 Minute
Air Leakage Rate BS5250	0.008m ³ /hr @ 2Pa
Air Tightness Part L1A	0.049m ³ /hr @ 50Pa
Acoustic Downgrade	Zero
Robust Details	Assessed for Timber, Concrete and Steel structures. En-suite Bathrooms – 1 light per 1.17m ² spaced at 0.8m
Cut out diameter	68mm
Bezel diameter	89mm
Minimum void recess	130mm from underside of ceiling 75mm without stand-off
Lamp-standard	Osram Decostar 16. 35W 230Vac Luminous intensity 600 cd Order Code 64820 FL (Alu) ILCOS-Code HAGS/UB-35-230-GU10-51/35
Styles	Flush 35W with insulation stand-off Flush 50W - 950cd - uncovered applications only
Connection	2 Pin plug in mains connector
Lath & plaster	Use outer shield to maintain a clean cut out
General	Supplied complete with lamp

