

**Snaplite®**  
FIRE & ACOUSTIC  
DOWN LIGHTS SINCE 1997

For Technical, Design & Sales call

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Calls charged at BT's national rate.

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THE QUEENS AWARDS  
WINNER



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**LED DOWN LIGHTS**

CODE COMPLIANT

PART L1A COMPLIANT

PART B FIRE

PART E ACOUSTICS

IP65



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When you have finished with  
this brochure please recycle it.

**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 14 years experience of fire, acoustics and air flow applications, Snaplite® has become the industry benchmark for quality, safety, regulatory acceptance and the FIRST to offer LED.



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## Solutions to Building Regulations

- Part L1A** Low Energy lighting
- Part B** Fire
- Part C** Air Leakage
- Part E** Acoustics
- Part E** Robust Details Assessed
- Part L1** Air-Tightness
- Part L1** Continuity of Insulation
- Part P** Safe Electrical Installations

**NHBC** Downlighters in ceilings  
below Roof Spaces

# Rules for downlighters

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(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

Snaplite down lights come complete with ISS (insulation support straps) to create a void above the fitting to maintain the continuity of insulation.

BS 5250 2002 states that the total leakage through all downlighters should not exceed 0.006m<sup>3</sup>/hour per m<sup>2</sup> of ceiling area at a pressure of 2Pa.

Part L1A 37. A reasonable limit for the design air permeability of the building envelope is 10m<sup>3</sup>/hour per m<sup>2</sup> 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

In zone one areas of bathrooms IP65 is required. Snaplite led down lights are IP65 as standard.

## Part L1a 2010 fixed internal Lighting

a. In the areas affected by the building work, provide low energy light fittings (fixed lights or lighting units) that number not less than three per four of all the light fittings in the main dwelling spaces of those areas (excluding infrequently accessed spaces used for storage, such as cupboards and wardrobes).

b. Low energy light fittings should have lamps with a luminous efficacy greater than 45 lamp lumens circuit-watt and total out greater than 400 lamp lumens.

c. Light fittings whose supplied power is less than 5 circuit-watts are excluded from the overall count of the total number of light fittings.

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<br>BTC 1042F<br>BTC 354FA                            | Fire BS 476 parts 20 & 21<br>Fire BS 476 part 21                                      |
| Chiltern International Fire<br>IF 00042                                   | Fire BS 476 parts 21 & 22   |
| Loss Prevention Council<br>TE 92663                                       | Fire BS 476 part 23   |
| Building Research Establishment<br>BRE 213944<br>BRE 221852<br>BRE 223463 | Acoustic (Airborne/Impact)<br>Robust Details Appendix F<br>RD (En-suite) High Density |
| Birmingham University<br>SBR 07/05  | Air Leakage Part C<br>Air Tightness Part L1A  |

CPD available on PartL1a and The code for sustainable homes. Please call 0845 6448688 for your copy.

# LED 4.65w

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.

| Specification         |                     |
|-----------------------|---------------------|
| Wattage               | 4.65w               |
| Colour Temperature    | 3000k               |
| Chip Lumens           | 310lm               |
| Lens                  | Optical grade PMMA  |
| Beam Angle            | 38                  |
| Thermal Junction Temp | 64                  |
| Heat Sink             | Aluminium           |
| Light Depreciation    | >30% over 30,000hrs |
| Connection            | Push on             |
| Power Factor          | 0.9PF               |
| IP Rating             | 65                  |
| Cut Out               | 68mm                |
| Bezel Diameter        | 89mm                |
| Minimum Void          | 70mm                |
| Fire Ratings          | 30, 60, 90 minutes  |
| Air Leakage BS 5250   | 0.008 3/hr @ 2Pa    |
| Air Tightness Part L  | 0.049m 3/hr@ 50pa   |
| Acoustic Downgrade    | Zero                |



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

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



4.65w Snaplite is excluded from the overall count of the total number of light fittings.



# LED 7w

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.

## Specification

|                       |                     |
|-----------------------|---------------------|
| Wattage               | 7w                  |
| Colour Temperature    | 3000k               |
| Chip Lumens           | 550lm               |
| Lens                  | Optical grade PMMA  |
| Beam Angle            | 38                  |
| Thermal Junction Temp | 64                  |
| Heat Sink             | Aluminium           |
| Light Depreciation    | >30% over 30,000hrs |
| Connection            | Push on             |
| Power Factor          | 0.9PF               |
| IP Rating             | 65                  |
| Cut Out               | 68mm                |
| Bezel Diameter        | 89mm                |
| Minimum Void          | 90mm                |
| Fire Ratings          | 30, 60, 90 minutes  |
| Air Leakage BS 5250   | 0.008 3/hr @ 2Pa    |
| Air Tightness Part L  | 0.049m 3/hr@ 50pa   |
| Acoustic Downgrade    | Zero                |



# Driver Options



4watt non dimmable  
7watt non dimmable  
7watt dimmable  
7watt 1-10v dimmable

# Ordering Codes

## SN-WH4WS

### COLOUR

WH - White  
CH - Chrome  
BA - Brushed Alu

### WATT

4W  
7W

### DRIVER

S - NON-DIM  
D - DIMMABLE  
D1-10 - DIMMABLE 1-10v