



Part of Scanel International

**Address:** Ryggeraet 49  
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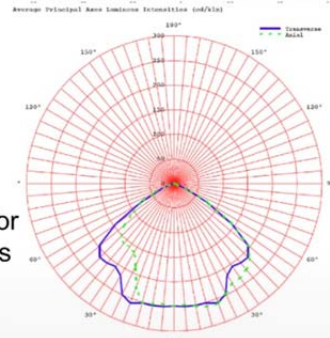
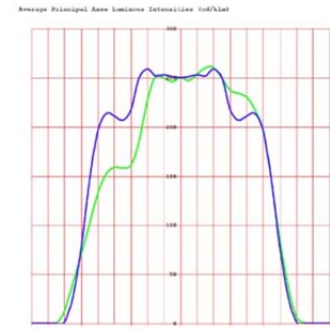
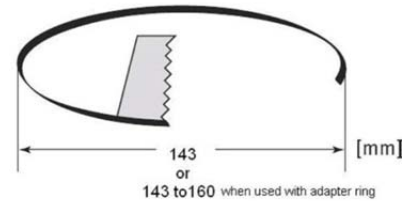
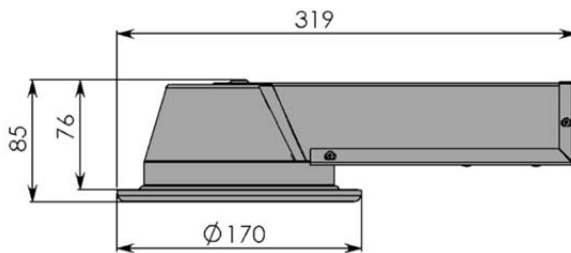
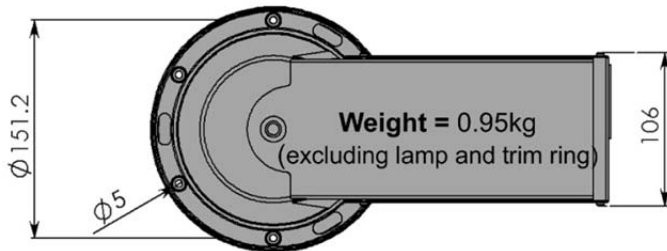
**E-mail:** post@sgen.no



Snaplite Marine 143H

- Removes the need for double ceilings
- Removes the need for steel boxes
- Simple installation and connection
- Engineered, manufactured and tested in Europe
- B0 class version available

## Snaplite Marine



### Mounting

Secured to the ceiling panel with 6 screws through the flange.

Standard Hole cut out is 143mm diameter.

For refurbishment applications, holes of 143 to 160mm can be accommodated by using our specially designed **Adapter Ring**.

### Photometric data

Measured LOR=70.6%

Lumdat data available, for light calculation purposes

Designed by  
**Snaplite Marine**

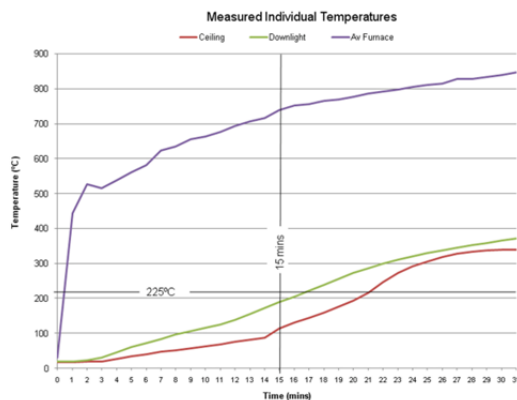


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Maximum temperature	Integrity test
<b>At 15 mins - 170°C</b>	Flaming – no flaming
<b>At 18 mins - 225°C</b>	Cotton wood pad test – no ignition
<b>At 30 mins – 302°C</b>	

Summary performance for Snaplite B15 downlight with open trim ring



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## Main housing

- 1 mm thick, deep drawn, steel housing
- Provides a bulkhead for the B0 fire rating.
- Excellent acoustic properties cuts noise.
- Zinc rich powder withstands a 1250 hours salt spray test.
- Hard wearing black epoxy powder coat finish.

## Gear Tray

- 1 mm thick steel pressing
- Zinc rich primer and black epoxy powder coat finish.
- Electrical components contained onboard Gear Tray.
- Easy to remove/replace which simplifies maintenance and spare provisioning.
- Control Gear mounted in the coolest location ensuring highest efficiency and longest life.
- Only anti vibration screws or shake proof nuts are used.
- No sharp screw threads on the outside of luminaire eliminating risk of damage to the fabric of the cabin or to the installation engineer.
- Dimming options are available.
- Emergency power options are available.

For thin ceiling structures an optional inbuilt Tray Support is available to eliminate ceiling panel flexing.

## Reflector

- High performance, 1090AL 99,9% pure aluminum 1mm. thick.
- Highly specular reflector for maximum light output.
- HD50 hammered finish to rear and diamond facet finish to sides.
- Fixing by central screw.

## Connector

- Various connectors are available.
- Rewireable free connectors can be supplied.
- Through wiring (LoopInn LoopOut) Optional.



## Trim Rings

- Options include – plain open-fronted, flat diffuser or drop glass diffuser.
- Made from 0.8mm. pressed steel.
- Powder coated, electro plated or 316 Stainless steel.
- Easy fit using twist lock action.
- Anti tremble spring locking system.

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# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. F-19271

Holder of Certificate

**FL PATENTS LTD**  
**ALVECHURCH, United Kingdom**

This is to certify that the  
**Class B Recesses for Light Fittings, Ventilation Units and similar**

with type designation(s)  
**SNAPLITE MARINE DOWNLIGHTS**

is found to comply with  
Det Norske Veritas' Offshore Standards  
Det Norske Veritas' Rules for Classification of Ships  
Det Norske Veritas' Interpretation of SOLAS 1974 Convention as Amended

Application

**Light fittings approved for use in B-15 ceilings**

Høvik, 2010-03-09  
for Det Norske Veritas AS

Petter Langnes  
Head of Section



DNV local office:  
Sheffield

This Certificate is valid until  
**2015-06-30**

Patrick Aubert  
Surveyor

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.  
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

DET NORSKE VERITAS AS, Veritasveien 1, NO-1322 Høvik, Norway, Tel.: +47 67 57 99 00, Fax: +47 67 57 99 11, Org.No. NO 945 748 931 MVA www.dnv.com  
Form No.: 20.100a Issue: October 2009 Page 1 of 2



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Certificate No.: F-19271  
File No.: 471.76  
Job Id.: 262.1-009440-1

### Product description

"Snaplite Marine Downlights",  
downlights (Type 1A, 3D, 4C and 5B) as shown on drawing No. 1.870.00900.09190 Rev. A in test report No. VTT-S-11007-08,  
to be installed in cut outs (approx. 143 mm Ø) in ceilings panels.  
The void between the underside of the light body and the ceiling steel plate is to be insulated with minimum 12 mm Rockwool  
slab of density 250 kg/m<sup>3</sup>.

### Manufactured by

Snaplite Marine Ltd,  
Bordesley hall, Alvechurch, Worcestershire B48 7QA, UK  
Place of manufacture:

- 1) Kaybee Engineering,  
Unit 4, Bromsgrove Industrial Estate, Station Street, Bromsgrove, Worcs, B60 2BS, UK
- 2) Electro Technik,  
Units 10-12, Shaw Industrial Estate, Stoke Prior, Bromsgrove, Worcs, B60 4DT, UK

### Responsibility

The Holder of Certificate takes the sole responsibility for the product's compliance to the DNV Rules (design and manufacturing).  
Accordingly, the Holder of Certificate has to take necessary actions if for example, changes to the design and production of the product are required.

### Application/Limitation

Approved for use in fire retarding divisions of class B-15.

The manufacturer of ceiling is responsible to document that the structural and thermal integrity is maintained after fitting light fixtures into the ceiling.

Each product is to be supplied with its manual for installation, use and maintenance.

The arrangement is subject for approval in each case.

### Type Approval documentation

Certification in accordance with Standard for Certification Note No. 1.2, Type Approval, April 2009.

Test Report No. VTT-S-11007-08 dated 24 February 2009 and Statement No. VTT-S-7766-09 dated 26 October 2009 from Technical Research Centre of Finland (VTT).

Tested according to IMO FTPC Part 3 (Res. A.754(18)).

### Marking of product

The product or packing is to be marked with name of manufacturer, type designation and fire-technical rating.

### Certificate Retention Survey

Det Norske Veritas' surveyor is to be given permission to perform Certification Retention Surveys at any time during the validity period of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Standard for Certification No. 1.2 item 4.

