

STAVANGER

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The Stavanger Lantern is a twist on the traditional railway style lantern offering a modern version that is manufactured from spun aluminium with a clear polycarbonate glazing profile. The glazing is retained and released by removing three captive quarter turn screws, this drops the lampholder, reflector tray and the glazing for terminating incoming supplies and ongoing maintenance. The lantern has a range of lamp types including an LED version using the Street Light LED light engines complete with heat sinks and electronic controls. This offers a built in an optic solution with a 30w LED output. The lantern is pendant mounted with a 1/2" BSP coupling as standard but we also offer a side fixed bracket where a restriction in height may affect the mounting position.



The picture shows the Stavanger lantern mounted on a scroll detailed wall mounted bracket attached to a traditional wooden Stavanger property. The lantern is fitted with a 42w CFL lamp with integral gear with a photocell controlled supply.

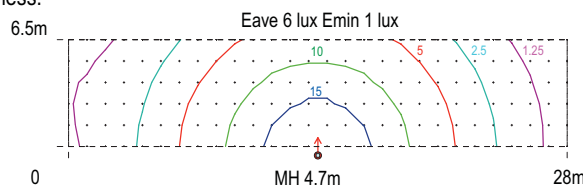
The standard Stavanger lantern is supplied with a glass refractor and a lampholder to suit the lamp choice unless opal glazing is selected then a simple lampholder is all that is required.

Driver Types	
Fixed Output	30w
Dimmable DALI	0 >30w

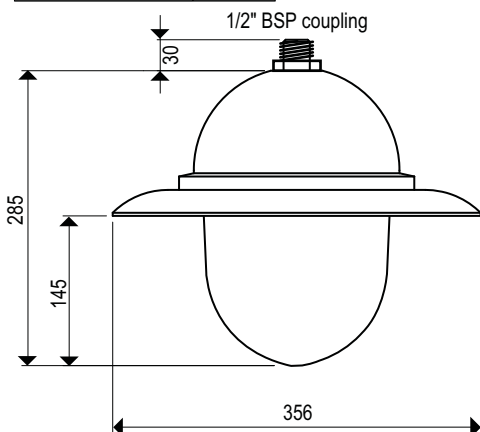
Max Lamp Wattages	
LED Street Lighter	>30w
HPS Sodium	>50w
HQI Metal Halide	>50w
MBF Mercury	>50w
CDO Ceramic MH	>70w
CPO CosmoPolis	>60w
CFL Fluorescent	>42w

The Stavanger lantern is ideally suited as a small luminaire for lighting the lower parts of the BS5489 lighting standard. The illustration below shows the performance at a 4.7m mounting height at a 28m staggered spacing. These distributions are ideal for P3 and P4 standards where a low glare performance product is required. With its projected 25,000 hour life provides a low maintenance lantern solution for village lighting and areas of low residual brightness.

LED Technical Information	
3 x 24v LEDs	>30w
AC Voltage	120>230
Input Frequency	50/60Hz
Colour Temp	3000°k
Case Temp °C	-30>50° C



Glazing Options	
Polycarb Clear	✓
Polycarb Opal	✓



Typical Specification:

The Stavanger IP65 lantern is manufactured from spun aluminium elements and can be both pendant mounted either on a wall bracket or from a gooseneck column bracket. The lanterns are secured with a 1/2" BSP threaded coupling. Glazing: The lantern is glazed with **clear polycarbonate glazing** secured into the lantern with a glazing ring. The lantern measures 356mm in diameter and 285mm high. The Lantern is supplied with the **Street Light 30w LED** solution, fitted with a heat sink and integral gear. This **30w 3 x high powered LED** solution is fitted within a custom optic providing a road lighting distribution. The unit is fitted with a miniature **photocell** for daylight saving. The lantern is finished powder coated **Black RAL9005**, with a white reflector and under brim then stoved for a durable finish.

Please note: Items highlighted in bold can be changed using the options available

CE Installation Guidance

GENERAL

- These notes have been prepared to ensure the information is available in relation to safety in handling, installation and related lighting products sold by Sugg Lighting Ltd.
- The following notes are of a general nature; specific information regarding installation, maintenance, use and disposal appropriate to individual models is provided in the instruction leaflet supplied with the luminaire (where appropriate), or its packaging, and may also be shown in catalogues and leaflets.
- Our products are designed to conform to the requirement of UK law and the relevant National and International standards. They should not be modified as any modification may render the product unsafe and will invalidate any safety/approvals marks. Sugg Lighting Ltd will not accept any responsibility for any modified products or for any damage caused as a result of their modification.
- Installation should be carried out in accordance with local wiring rules such as BS7671 (I.E.E. wiring regulations in the UK.). If in any doubt consult a suitably qualified person.

SPECIFIC REQUIREMENTS

- The supply must be isolated before any electrical work is undertaken.
- Our products are designed for operation in a maximum ambient temperature of 25° unless otherwise stated.
- Unless otherwise marked or stated, all our luminaires are designed for operation in normal outdoor conditions and minimum rated IP65/IP54. Do not use in corrosive situations.
- When making the electrical supply connection observe the correct polarity indicated by colour coding of wires or marking of terminals.
- To comply with EMC regulations ensure that the mains supply cable is as short as possible within the luminaire. Do not place the cable close to the internal wiring which is particularly important if through wiring. Ensure the cable is kept away from hot components such as the lamp ballast.
- Although Sugg Lighting Ltd control systems may use low voltage circuits, mains rated cables must be used. If a mains supply is connected to the low voltage circuit, permanent damage to components will occur and may be hazardous.
- We recommend a minimum cable thickness of 1.5mm (squared). PLEASE NOTE: If using a stranded cable this should be secured using a ferrule.
- Ensure that all of our luminaires are reliably earthed and that the rated voltage/frequency of the luminaire is compatible with the mains supply.
- Observe the correct mounting orientation limitations of the luminaire, which may in some cases be restricted by the lamp (see data supplied with lamp).
- Ensure that our luminaire is reliably and securely fixed to an appropriate mounting surface. Attention should be paid to the temperature limits imposed by the material of the mounting surface.
- Use only lamps of the recommended type and rating and follow the lamp manufacturer's instructions. Observe particularly the rated wattage specified for the luminaire.
- The installing engineers should take appropriate precautions in relation to any surges which may arise when inductive luminaires are operated on MICC cable. This will be particularly important when replacing filament lamp luminaires with luminaires for use with discharge lamps (e.g. tubular fluorescent, compact fluorescent, and other low and high-pressure discharge lamps).
- Certain of our products use plastic materials within their construction. Such materials may suffer from attack or degradation caused by chemicals or solvents. For advice, our Technical Department should be consulted.

OPERATION & MAINTENANCE

- Luminaires must not be covered by heat insulating material or by any other material, which may prevent heat dissipation.
- All lamps operate at high temperatures care must be taken when adjusting or relamping the luminaire, allow adequate time for lamps and ballasts to cool.
- To avoid damage, failed lamps should be replaced promptly and the luminaire switched off as soon as the lamp failure is noted. Replacement lamps should be of the same type. Always ensure lamps are correctly inserted in lamp holders. Fluorescent linear lamps must be rotated through 90 degrees, poor contacts may damage control gear.
- Only suitable qualified persons should carry out repairs. Only Sugg Lighting Ltd replacement components should be used. Disposal of replaced components should be in accordance with the component manufacturers instructions where applicable.
- Replace all cracked or damaged safety glasses immediately. Do not operate luminaires without their safety glasses.
- Unless otherwise stated our luminaires are designed for direct connection to a standard mains supply as marked on the luminaire or components, without any intervening control device other than a mechanical switch.
- Servicing e/g cleaning, lamp or fuse replacement should only be carried out at regular intervals for hygienic reasons and to ensure that dirt does not accumulate to an extent that will impair the electrical and/or thermal safety of the luminaire. Regular cleaning will also ensure that the photometric performance is maintained.
- Deposits on external surfaces of batteries must be prevented from contact with sensitive areas of the body. Care should be taken to ensure that the cells are connected with regard to correct polarity.

DISPOSAL

- Disposal of old lamps should be carried out in accordance with the instructions of the lamp manufacturer. The disposal of large quantities of lamps may be subject to special regulations of local authorities. These should be consulted for specific guidance.
- The capacitors in our luminaires do not contain PCB's
- Cells and batteries of cells contain toxic compounds and when disposing of them it will be necessary to comply with local waste regulations. They must never be disposed of by placing in a fire, nor must they be punctured or otherwise mutilated.



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