



USER MANUAL



CORE Lighting Ltd

FLOOD30

Rugged Battery powered LED Flood Light



Change History

Ver.	Released	Comments
Draft	7 April 2013	
1_0	11 Sept 2013	
1_1	18 Dec 2015	
2_0	June 2016	Clarification of battery packs and accessories. Safety Statement Clarification

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Safety

Please read this entire manual before using the equipment. Please keep the manual in a safe place so you can refer to it in the future.



Connection, installation and mounting of this equipment must be performed in accordance with all local, regional and national safety codes and regulations.

- AVOID direct eye exposure to the light source when illuminated
- TAKE CARE handling the LED head after extended operation. Surfaces get HOT.
- DO NOT submerge this product in water.
- DO NOT hang this product other than by the means indicated in this manual.
- DO NOT leave any flammable material near product whilst operating or charging
- ALWAYS ensure the charger is connected to the specified voltage
- NEVER connect this product or charger to a dimmer pack
- DO NOT operate this fixture if it appears damaged in any way.

In the unlikely event that your product develops a fault, please contact CORE Lighting Technical Support or your local Authorised Distributor. Do not attempt to effect repair yourself.

Note: If this product is the lithium ion version of Flood30, please note the following:

Restrictions apply to transporting this equipment due to the lithium ion batteries having capacity greater than 100Wh. Please consult IATA Packing Instructions 967 and CORE Lighting Ltd for further information.

Product Modification

This CORE Lighting product has been designed and manufactured to meet the strict requirements of UK, EU and International safety regulations. Any unauthorised modifications to the product including replacement of parts with non-standard parts could compromise safety and result in the product being non-compliant with relevant standards.

There are no user serviceable parts within this product.

Introduction

Thank you for purchasing your CORE Lighting Flood30. We hope that you will find the battery powered light useful and great value, we have designed it to be exceptionally bright and very rugged so that you can rely on it in a range of situations. We've taken care to use high quality components and it is built to be used in rough and demanding applications. Built in temperature sensors and careful thermal design ensure we get the best performance from the LEDs whilst achieving LED life in excess of 50,000 hours.

Product Description

The CORE FLOOD30 is an extremely bright battery power flood light, designed to be rugged and bright for a range of applications. It consists of an LED head and aluminium base pack that contains the control circuit and battery. The head may be removed from the base pack and attached to a variety of different stands that can be purchased from your distributor.

The unit comes with a separate, external battery charger and, optionally, a power supply allowing the unit to be run continuously while attached to the mains.

Features

- **Highly efficient White LEDs producing 7500 lumen output on full output**
- **Fully adjustable (180 degree) and removable head**
- **Sealed to IP65 for indoor and exterior use**
- **Rugged and intuitive operation for use in all conditions**
- **Adjustable brightness control allowing user to balance battery life against brightness**
- **Range of different batteries up to 54Ah giving 5.5 hours on full brightness and 9 hours on 50% brightness**
- **Full recharge overnight**
- **Intuitive & simple operation – designed for repeated rental**
- **Standard 12° LED narrow beam. Diffuser overlay with angles 30° (medium), 60° (wide). Others available & shipped with standard packages for different markets**
- **Thermally designed for LED Lifespan > 50,000 hours**

Battery options:

- 26Ah Sealed Lead-Acid (standard version)
- 54Ah Lithium-Ion (Long-life version)

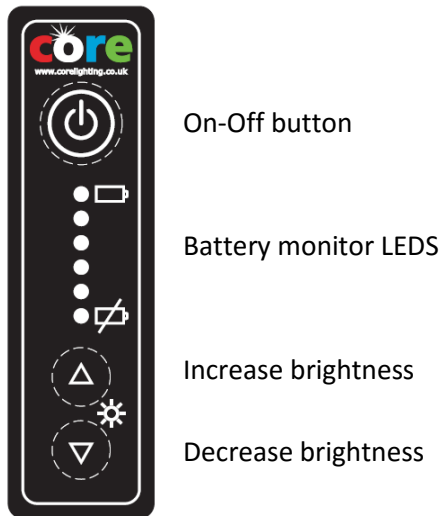
Note: Restrictions apply to transporting Lithium batteries including on aircraft. Please consult IATA Packing Instructions 967 and CORE Lighting Ltd for further information.

Accessory options:

- 3.5M high tripod
- 1.2M Pole and end-plate
- 3M head extension lead
- External Power Supply
- 30/60/60x10 degree Diffusing windows
- flight-case with charging connections
- Bag with carry strap
- Vehicle charging pack
- Wall/pole mounting brackets for LED head

Product overview

The light is controlled using the keypad on the front:




A waterproof multi-way connector on the back of the light attaches the LED head to the base, in-line extension cables can be purchased to allow the head to be mounted remotely from the battery pack.

The 3 way connector is used for connection to a battery charger or the optional, external mains power supply.

Operation



Turning on

Always ensure the LED head is connected to the light before turning on.

Turn the light on by pressing the  button for around 1 second. Press it again to turn off.

The row of 6 LEDs normally shows the battery voltage state. When the Amber LED lights there is usually around 30mins of operation (depending on brightness) and the battery should be recharged. When the red led lights the battery is almost empty and the light will switch off within a few minutes before the battery is damaged

Brightness adjustment

Press the  and  buttons will adjust the brightness. Press briefly to change brightness one step. Press and hold to ramp brightness to the desired level. The value will be saved for future use or until changed again.

While the button is depressed one of the battery LEDs will light to give an indication of the brightness setting of the head. The top (Green) LED lights at minimum brightness, the bottom (Red) LED shows maximum brightness. Using this setting the user can 'trade-off' brightness for battery life.

Charging your batteries

To ensure the maximum life from your batteries they must not be left for periods of time in a discharged state. We recommend that the Flood light is charged within a day or so of being used. Use only the battery charger that is supplied with the light.

When your charger is attached the LEDs may scroll up and down to indicate that the charger is attached (depending on software version). The scrolling will continue even after the battery is fully charged. Please check the led on the charger:

GREEN – at least 90% charged.

RED - Charging.

Note that while the charger is attached the light will not operate and the cable must be disconnected before use.

Protection

The Flood30 is fitted with temperature sensors in the head and drive circuits so the unit is protected from fault conditions. The brightness will automatically reduce in an over-temperature condition to help reduce the temperature and the battery LEDs will flash.

If the battery voltage drops below a critical level the Light head will turn off and the battery LEDs will flash continuously.

Lifespan

Once discharged it is important for the battery to be recharged as soon as possible to prevent long term damage to the battery. The battery should be capable of more than 300 recharge cycles if discharged then fully recharged straight away to more than 90% battery capacity. Lighter use will preserve battery life further.

Technical Specification

Max brightness	7500 lumens
Colour	Neutral White 4000K CCT
Operation time	Over 5 hours (54Ah Li-Ion battery on full output) Over 2.5 hours (26Ah SLA battery on full output)
Charge time	8 hours (depending on battery type/charger combination)
Dimensions	250w x 255d x 230h
Weight	12Kg (SLA battery) <10Kg (Li-ion battery)
Operating Temperature	-20 to +50 deg C.
Tripod (option)	1.2m min to 3.5m max
Pole (option)	0.75m or 1.2m sections

Warranty

CORE Lighting Limited (CORE Lighting) warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below).

CORE Lighting will repair or replace (at CORE Lighting's option) this product or any defective parts in this product. The standard warranty period is 12 months from date of purchase although this period may vary from country to country. If in doubt consult your dealer and ensure that you retain proof of purchase. The battery is covered by a separate warranty and is dependent on battery technology and usage, please contact CORE Lighting for details

To obtain warranty service, please contact the CORE Lighting authorised dealer from which you purchased this product. If your dealer is not equipped to perform the repair of your CORE Lighting product, it can be returned directly to CORE Lighting, with carriage being paid at your own expense. You will need to ship this product in either its original packaging or packaging affording an equal degree of protection. Providing the product is found to be faulty, CORE Lighting will pay for return carriage.

Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This Warranty is invalid if (a) the factory-applied serial number has been altered or removed from this product or (b) this product was not purchased from a CORE Lighting authorised dealer.

This Warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than CORE Lighting or a CORE Lighting dealer, or authorised service agent which is authorised to do CORE Lighting warranty work. Any unauthorised repairs will void this Warranty. This Warranty does not cover products sold AS IS or WITH ALL FAULTS.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. CORE LIGHTING SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY IN THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

Some countries and US states do not allow the exclusion or limitation of incidental or consequential damages or implied warranties so the above exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other statutory rights, which vary from state to state or country to country.

For any service, in or out of warranty, please contact your dealer.

Compliance Information

CORE Lighting Limited declares that this product conforms to the specifications listed following the provisions of the European R&TTE directive 1999/5/EC:



Restrictions on Hazardous Substances (RoHS) (2002/95/CE)
Electromagnetic Compatibility (2004/108/EC).
Safety (EN 60950)
Technical requirements for radio equipment. (EN 300 328)

*CAUTION—This equipment is intended to be used in all EU and EFTA countries.
Outdoor use may be restricted to certain frequencies and/or may require a license for operation.
Contact local Authority for procedure to follow.*

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WEEE & RoHS Statement



The European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE), requires that products must not be disposed of in the normal unsorted municipal waste stream. Appliances must be collected separately in order to optimise the recovery and recycling of the materials they contain and reduce the impact on human health and the environment.

The consumer must contact their local authority or retailer for information concerning disposal of their products.

CORE Lighting provides a take-back facility for batteries used within CORE Lighting products, although the expense for transport remains the liability of the consumer. Please contact CORE Lighting directly if this service is required.