

Global Design Solutions



# LiteWare

**High Output  
RGB Battery Uplighter**  
With Wireless DMX

## Supplied Items

- 1 x LiteWare-HO Unit
- Instruction Leaflet
- Battery Charger (single unit only)
- Mains Lead (single unit only)
- Aerial



## Introduction

LiteWare-HO with wireless DMX is a stand alone light source. The unit can be controlled by DMX transmitted wirelessly and in stand alone operation using 50 preset colours and 20 preset fade and snap sequences.

## Features

- Full RGB with 16 bit dimming curve
- Wireless DMX Control
- Up to 12 hour runtime from fully charged battery (5 hours full white)
- 50 preset colours
- 20 preset colour chases
- Charging Cycle Approximately 8 hours
- Wireless Firmware Update

## Conformity

LiteWare-HO conforms to the following standards:

EN 61000-6-3      Light Industrial Emissions  
EN 61000-4-2      Heavy Industrial Immunity



Further information can be obtained from [technical@gds.uk.com](mailto:technical@gds.uk.com)

Manufactured in the UK by Global Design Solutions  
[www.gds.uk.com](http://www.gds.uk.com)   [info@gds.uk.com](mailto:info@gds.uk.com)

## Switching the Unit ON

To turn the unit ON or OFF, the TOP Button needs to be pressed and held for 1.5 Seconds, the button LED will illuminate to show the unit is awake. When the battery voltage becomes too low, the unit will go to sleep and pulse the top button LED. The unit can't be switched back on until it has been recharged.

## Address Settings

The address of the unit is set using 2 push buttons on the base. These are labelled UP and DN. Pushing the UP button will increment the address, pushing the DN button will decrement the address. If the unit is at 001 and you press the DN button, it will remain at 001. If you hold one of the buttons the address will slowly increment/decrement gradually speeding up. When the address reaches 510 it will stop at the boundary. You must then release the button and push it once again to get to address 600. These boundaries are intended to make the addressing easier to navigate. The boundaries are: -

### DMX Mode

1-510      Wireless DMX Mode Address

### Stand Alone Mode

601-650      Fixed Colour Mode  
651-660      Colour Fade Sequence  
661-670      Colour Snap Sequence

The display will blank after 5 seconds of button inactivity.

## Wireless DMX Mode (Address 1-510)

In WDMX Mode – the unit will simply respond to the DMX levels being received. DMX channel allocations are as follows:

Start Address	Red Level
Start Address +1	Green Level
Start Address +2	Blue Level

In WDMX mode, the unit will hold the last DMX value upon loss of signal or DMX. The unit will store this level when turned off so it can be resumed when it is powered back up.

If the battery is disconnected, these values will be lost.

## WDMX Linking

LiteWare-HO is automatically unlinked from the transmitter when plugged into the charger. The link status is shown on the LED display on the base of the unit when LiteWare-HO is powered on.

Please refer to your W-DMX transmitter user manual for further information about the linking process.

## **In Stand Alone Mode**

A short push of the TOP button will dim the unit, there are 7 output levels. When the button is pushed for the 7th time, the unit will jump back up to full level.

### **Stand-Alone Mode (Address 600+)**

#### 601-650 FIXED COLOURS

Detailed in table on page 4

#### 651-655 COLOUR FADE SEQUENCE 1

A colour fade sequence with 5 different speeds of transition

#### 656-660 COLOUR FADE SEQUENCE 2

A colour fade sequence with 5 different speeds of transition

#### 661-665 COLOUR SNAP SEQUENCE 1

A colour snap sequence with 5 different speeds of transition

#### 666-670 COLOUR SNAP SEQUENCE 2

A colour snap sequence with 5 different speeds of transition

## **Charging System**

There are two charging methods available for LiteWare-HO. Both charger options are designed specifically for LiteWare-HO. Please DO NOT use any other charging system as this can damage the unit.

### Flight Case Charger System

Ensure that the flightcase is plugged into a mains supply with the supplied mains lead. Place the LiteWare-HO into the flightcase and the unit will start charging. Whilst charging, the button LED will be on constantly, it will flash when the battery is fully charged and LiteWare is ready for use.

Upon disconnecting the mains to the flight case, all charged units will continue to flash the button LED. This is normal. Briefly lifting the unit out of the case and replacing will switch the button LED off.

### Single Unit Charger

Simply plug the supplied charger into the base of LiteWare-HO. During charging, the button LED will be on constantly and when the units are fully charged, the LED will flash. **Leaving the LiteWare-HO connected to the single charger without the charger connected to the mains will flatten the battery.**

## **Battery Care**

The LiteWare-HO Uplighter contains a Sealed Lead-Acid battery. The battery should not be left in a discharged state for long periods because it will reduce its capacity. We recommend leaving LiteWare UL on charge permanently when not in use.

**If removing the battery, please observe the correct polarity upon re-connection.**

## Fixed Colour Table

ADDRESS	COLOUR	LEE Ref	ROSCO Ref
601	RED		
602	GREEN		
603	BLUE		
604	YELLOW		
605	CYAN		
606	MAGENTA		
607	ORANGE		
608	GOLD		
609	PINK		
610	VIOLET		
611	AQUA		
612	SKY BLUE		
613	FULL WHITE		
614	COOL WHITE		
615	WARM WHITE		
616	YELLOW	LEE 101	
617	STRAW	LEE 103	
618	ORANGE	LEE 105	
619	PRIMARY RED	LEE 106	
620	LIGHT ROSE	LEE 107	
621	DARK PINK	LEE 111	
622	MAGENTA	LEE 113	
623	BLUE	LEE 115	
624	MED BLUE GREEN	LEE 116	
625	DARK BLUE	LEE 119	
626	BRIGHT PINK	LEE 128	
627	MEDIUM BLUE	LEE 132	
628	GOLDEN AMBER	LEE 134	
629	DEEP GOLDEN AMBER	LEE 135	
630	PALE LAVENDER	LEE 136	
631	APRICOT	LEE 147	
632	DARK LAVENDER	LEE 180	
633	CHOCOLATE	LEE 156	
634	JUST BLUE	LEE 079	
635	SURPRISE PINK	LEE 194	
636	SCARLET	LEE 024	
637	SURPRISE PEACH	LEE 017	
638	FIRE	LEE 019	
639	ENGLISH ROSE	LEE 108	
640	MAUVE	LEE 126	
641	BRIGHT BLUE	LEE 141	
642	ALICE BLUE		ROSCO 378
643	ROSE INDIGO		ROSCO 358
644	URBAN BLUE		ROSCO 081
645	COOL BLUE		ROSCO 066
646	LIGHT SALMON		ROSCO 030
647	MAYAN SUN		ROSCO 318
648	CHERRY ROSE		ROSCO 332
649	FLESH PINK		ROSCO 034
650	SKELTON EXOTIC SANGRIA		ROSCO 039

## Safety Information



**Warning!** Class 2M LED product. Do not look into the beam from a distance of less than 40 cm (16 inches). Do not stare into the beam for extended periods at a short distance. Do not view the beam directly with optical instruments.



This product is for professional use only. It is not for household use. This product presents risks of severe injury or death due to fire hazards, electric shock and falls.



**READ THIS MANUAL** before installing, powering or servicing the fixture, follow the safety precautions listed below and observe all warnings in this manual and printed on the fixture. If you have questions about how to operate the fixture safely, please contact Global Design Solutions, [www.gds.uk.com](http://www.gds.uk.com)

### PROTECTION FROM FIRE



- Provide a minimum clearance of 0.1m (4") around fans and air vents.
- Do not modify the fixture or install other than genuine GDS parts.
- Do not stick filters, masks or other materials directly onto LEDs.
- Do not operate the fixture if the ambient temperature ( $T_a$ ) exceeds 40°C (104° F).



### PROTECTION FROM INJURY

The LED emission presents a hazard to eyesight at a distance of 4 - 40cm (1.6 - 16") when the eye is exposed to the beam for longer than 0.25 seconds.

- Do not look at LEDs from a distance of less than 40cm (16") without suitable protective eyewear.
- Do not look at LEDs with magnifiers or similar optical instruments that may concentrate the light output.

### DISPOSING OF THIS PRODUCT

Global Design Solutions products are supplied in compliance with Directive 2002/96/EC of the European Parliament and of the Council of the European Union on WEEE (Waste Electrical and Electronic Equipment), as amended by Directive 2003/108/EC, where applicable.

Help preserve the environment! Ensure that this product is recycled at the end of its life. Your supplier can give details of local arrangements for the disposal of Global Design Solutions products.



### INSTALLATION

Install fixtures on a level, stable surface where they do not present a hazard of tripping or falling.