

# BS101LRE

RETROFIT KIT

Type: \_\_\_\_\_

Project: \_\_\_\_\_

**Delivered Lumens:**  
3983 lm - 6547 lm

**Input Wattage:**  
30W - 50W

**Efficacy:**  
Up to 139 lm/W

**Colour Temperatures:**  
3000K, 3500K, 4000K, 5000K

**Projected Lumen Maintenance:**  
L<sub>85</sub> @ >54,000 hrs.

A quick LED upgrade system for your existing fluorescent BS111 & BS101 units.

The UV stabilized polycarbonate diffuser eliminates glare and is integrated with crystals that assist in the enhancement of even light distribution

Electrical assembly holds the LED modules and power supply



Back of electrical assembly includes LED power supply and hot-load disconnect



Fully assembled product

## Configurations

| MODEL    | LENGTH  | OPERATION         | POWER | COLOUR TEMP | INPUT        | OPTIONS   |
|----------|---------|-------------------|-------|-------------|--------------|---|
| BS101LRE | 4 (4ft) | [BLANK] (AC only) | LO    | 3K (3000K)  | S (120-277V) | <sup>2</sup> IOS02 (microwave, internal, step-dimming, 120-347 (26' MH) |
|          |         |                   | HO    | 35K (3500K) | C (347V)     | 90 (90+ CRI)  |
|          |         |                   |       | 4K (4000K)  |              | <sup>1</sup> D DALI Driver  |
|          |         |                   |       | 5K (5000K)  |              |   |

NOTE<sup>1</sup>: Contact factory for DALI models for availability. NOTE<sup>2</sup>: Microwave occupancy sensors.

## Compatible Sensor Table

| ORDERING GUIDE | BRAND    | MODEL     |
|----------------|----------|-----------|
| IOS02          | Merrytek | MC083S-RC |

Compatible sensors can be ordered as options but will be shipped separately. Sensor brand is manufacturer's choice unless otherwise noted. If a compatible brand / type sensor is required please call for price. Externally mounted sensors will be shipped separately.

## DLC ID Table

| MODEL          | DLC ID   | MODEL          | DLC ID   |
|----------------|----------|----------------|----------|
| BS101LRE-4H3K  | P7PA3YXH | BS101LRE-4L3K  | P3WR0M7V |
| BS101LRE-4H35K | PYQFQ5IG | BS101LRE-4L35K | PCHQYLOG |
| BS101LRE-4H4K  | PXMLGUE5 | BS101LRE-4L4K  | PD6SUNP9 |
| BS101LRE-4H5K  | PT5SQ09M | BS101LRE-4L5K  | P737M9Q4 |

### RETROFIT KIT:

A quick upgrade system for your existing fluorescent BS111 & BS101 units. Designed to easily snap into the existing BS111 & BS101 housing. Engineered to save you time and labour. Includes the polycarbonate diffuser, the steel reflector, LED modules and driver.

### POWER LINE/FEED:

5-wire, 18awg, pre-stripped 12" leads for quick in-field connection and hot load disconnect feature.

### WEIGHT:

4.8 lbs. / 2.18 kilo.

### REFLECTOR:

Flat, steel reflector system finished in durable white powder coat. The reflector system holds all electrical components.

### HOUSING:

UV stabilized polycarbonate, liquid silicone perimeter gasket with memory retention.

### DIFFUSER:

Frosted UV stabilized polycarbonate diffuser, eliminates glare and provides even distribution.

### ELECTRICAL:

Available in 3000K, 3500K, 4000K or 5000K colour temperatures. High efficiency driver operates 120V through 277V or 347V, 50-60HZ. L85 up to 54,000 hours.

### MOUNTING:

Surface mount configuration is standard with integrated stainless steel mounting brackets. Additional mounting systems are chain and direct to junction box configurations.

### DIMMING:

0 - 10V dimming down to 1% is standard.

### OPERATING TEMPERATURE:

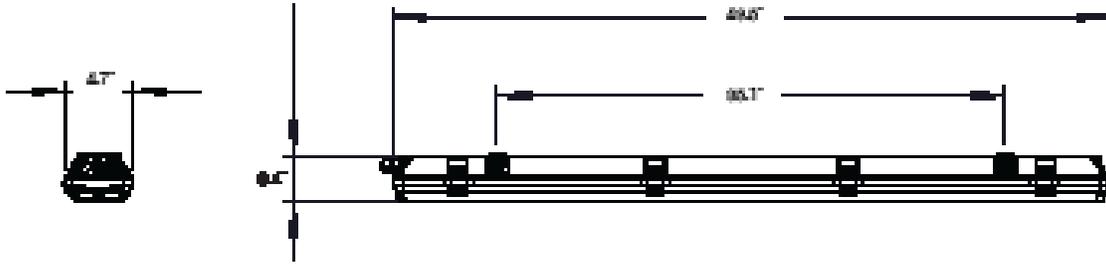
AC only: -20°C to 40°C

### WARRANTY:

5 year LED warranty, see website for full warranty details.

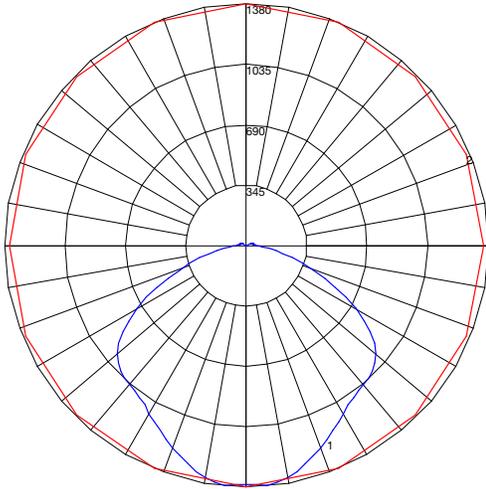
## BS101LRE

## Dimensions



## BS101LRE-4L-5K

### Luminous Intensity Distribution



### Zonal Lumen Summary

| ZONE  | LUMENS | % LUMINAIRE |
|-------|--------|-------------|
| 0-30  | 1049   | 25%         |
| 0-40  | 1717   | 40%         |
| 0-60  | 3154   | 74%         |
| 60-80 | 872    | 21%         |
| 0-180 | 4249   | 100%        |

### Energy Chart

| MODEL           | LENGTH | COLOUR | EFFICACY | WATTAGE | LUMEN OUTPUT | CRI | REPORTED L85 <sup>1</sup> (HOURS) |
|-----------------|--------|--------|----------|---------|--------------|-----|-----------------------------------|
| BS101LRE-4L-3K  | 4ft    | 3000K  | 130 lm/W | 30      | 3983         | 80+ | >54,000                           |
| BS101LRE-4L-35K | 4ft    | 3500K  | 134 lm/W | 30      | 4107         | 80+ | >54,000                           |
| BS101LRE-4L-4K  | 4ft    | 4000K  | 137 lm/W | 30      | 4194         | 80+ | >54,000                           |
| BS101LRE-4L-5K  | 4ft    | 5000K  | 139 lm/W | 30      | 4250         | 80+ | >54,000                           |
| BS101LRE-4H-3K  | 4ft    | 3000K  | 123 lm/W | 50      | 6136         | 80+ | >54,000                           |
| BS101LRE-4H-35K | 4ft    | 3500K  | 127 lm/W | 50      | 6326         | 80+ | >54,000                           |
| BS101LRE-4H-4K  | 4ft    | 4000K  | 130 lm/W | 50      | 6461         | 80+ | >54,000                           |
| BS101LRE-4H-5K  | 4ft    | 5000K  | 131 lm/W | 50      | 6547         | 80+ | >54,000                           |

NOTES: Actual performance may vary between +/-5% of initial lumen output NOTE<sup>1</sup>: Calculated as per TM-21-11. Limited by 6X LM80 test duration.