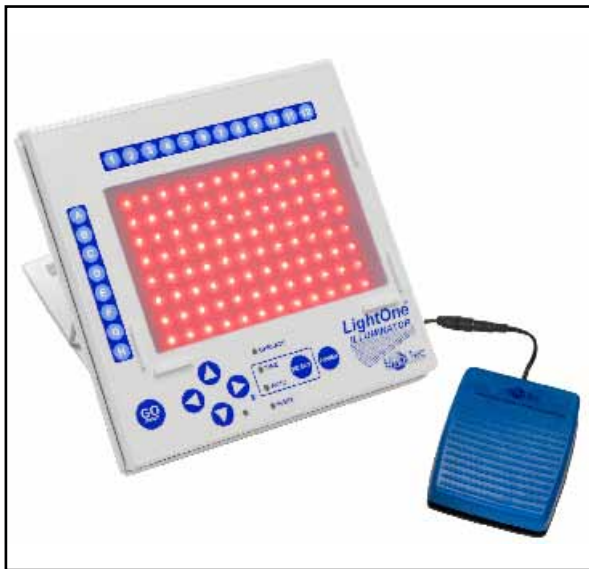


LightOne™

QRED



Instruction Manual
Vers. 1.0



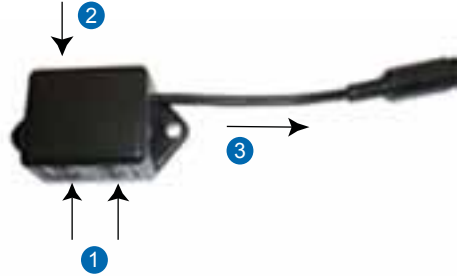
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- Most buttons have 2 functions accessed by pressing once or holding it down
- LEDs are formatted in a loop.

Connection



- 1 Connect the LightOne qRED to one of the two slots shown.
- 2 Insert the LightOne Foot Pedal cord into the small jack.
- 3 Connect the distribution box to the AC adapter, plug in the AC adapter and you are ready to go!





How to light up a row

- While on A1 well, press  once. The whole row should light up. Because the LEDs are in a loop, pressing  again will light up A12 well.
- Light up the whole second row by navigating to B1 well with the directional arrows and repeating the process etc.

How to light up a column

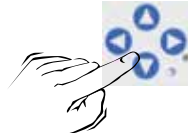
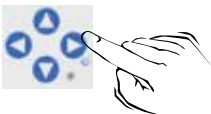
- While on A1 well, press  once. The whole column should light up. Because the LEDs are in a loop, pressing  again will light up H1 well.
- Light up the whole second column by navigating to A2 well with the directional arrows and repeating the process etc.

How to Light up all 96 wells

- While on A1 well, press  once and press  once. All 96 wells will be illuminated.

How to change directions when using Tracking Mode









- To advance right, hold  until the blue LED below it lights up.
- To advance down, hold  until the blue LED next to it lights up.



Buttons:








For Tracking Mode, Auto Mode, Pause and Reset

- Press  or  once to enter tracking mode. (Auto LED is off)
- Press  or  once to start automatic advancement. (Auto LED is on)
- Press  or  to PAUSE and again to RESUME.
- Hold  or  to reset.





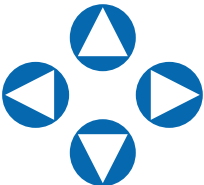
For entering Auto Mode and setting time interval

- Press  once to select Auto Mode.
 - Hold  to enter set time interval mode.
 - Orange LED next to “Time” should light up.
 - Use  and  to set the duration of the interval.
 - Press  once to exit set time interval mode.
- ** A1 – A10 is 1 – 10 seconds, B1 – B10 is 11 – 20 seconds etc.



For changing intensity and entering Index Mode

- Press  once to switch through each of the three intensities.
- Hold  to enter Index Mode.
 - Index Mode can be used for light sensitive reagents. The A-H and 1-12 index lights can be illuminated as the field lights remains off.



For navigation in Manual Mode

- Navigate up, down, left and right with these 4 directional arrows.
- Use these directional arrows to choose where you want to start in Tracking Mode and Auto Mode.

Water resistant, sealed membrane surface



LightOne Viewing Stand with 3 tilt angles



(LightOne Foot Pedal)

Go/Reset Button - Press once to enter Tracking Mode. Press once to initiate Auto Mode and Hold to reset

Directional Arrows - Navigation through Manual Mode

For half or unskirted plates, add a LightOne Viewing Frame to secure its position



(LightOne Viewing Frame)







Retainers are molded in to hold your 96 well plate in place

Power Button -
Press once to change brightness and Hold to enter Index Mode

Select Button -
Press once to enter Auto Mode and Hold to set time intervals





Modes of Use:

Manual Mode: Maximum Flexibility

- Use     to move a single well or rows/columns in any direction.
- Move whole rows up and down.
- Move whole columns left and right.
- Shows you where you currently are.





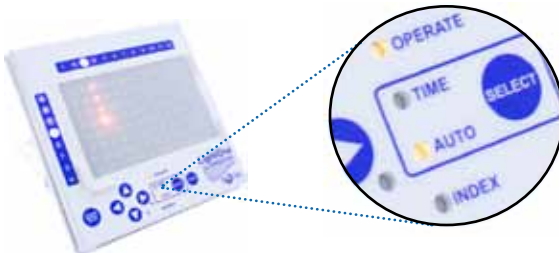
Tracking Mode: Flexibility with Tracking

- Choose direction of advancement with  or  and press  or  to start tracking.
- A trail of dim tracking lights are left behind to signify which wells you have already done.
- Track with a single well, whole rows/columns or partial rows/columns.





Auto Mode: Maximum Tracking

- Choose direction of advancement and set time increments. Then press  or  to start.
- The single or group of lights will automatically advance in the direction you chose after the preset number of seconds.
- A trail of dim lights will show which wells have been done.











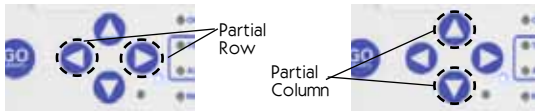
Reset

- Hold  or  to reset. A1 well should be illuminated on high intensity.

Advanced Users

Illuminate partial rows/columns

- Hold  and  simultaneously and then release. The lights in the whole row will blink.
- Use  to deselect from the right and  to deselect from the left. Determine how many wells you want illuminated.
- Press  and  to confirm selection.
- Similarly, use  and  for a partial column.



Specifications



LightOne qRED

- LightOne qRED enclosure: Molded polycarbonate
- LightOne Foot Pedal: ABS Thermoplastic
- Dimensions: 15.5(L) x 15.5(W) x 1.5(H) cm
- Weight: 265 g
- Voltage Input: 100-240V, 50-60Hz
- LED: RED-96 in field, White-20 index
- Can light up single wells, whole rows/columns, all 96 wells and partial rows/columns
- Built in retainers to secure plates
- Compatible with all 96-well format plates



LightOne Viewing Stand

- LightOne Viewing Stand: Anodized (white) Aluminum
- Dimensions: 16(L) x 16(W) cm
- Weight: 120 g
- Three different tilt angles: 45°, 22°, 10°



LightOne Viewing Frames

- LightOne Viewing Frame: Acrylic
- Dimensions (outer): 12.5(L) x 8.5(W) x 0.3(H) cm
- Dimensions (inner): 10(L) x 6.5(W) x 0.3(H) cm

SAFETY

Always wear protective gloves and safety glasses in the laboratory. The LightOne qRED is intended for laboratory research use only. Power is supplied to the LightOne qRED by the AC adaptor and is designed for use with the LightOne qRED only. Do not attempt to use any other AC adaptor with the LightOne qRED. The LightOne qRED should not be modified or altered in any way. Embi Tec is not responsible for any injury or damage caused by improper use of this apparatus or by modifications to the system not performed by Embi Tec.

MAINTENANCE & CLEANING

To clean, simply wipe down the smooth surface with a damp towel. The LightOne qRED is water resistant, but not waterproof.

WARRANTY

The LightOne qRED is warranted to be free of defects in materials and workmanship for a period of one year from the date of purchase. If defects are found during this warranty period, Embi Tec will replace the defective parts at no charge, provided product is returned within the warranty period. This warranty specifically excludes:

Defects caused by improper operation. Damage caused by improper handling or accidental misuse. Damage incurred during shipping.

This warranty is VOID if moisture is discovered inside the unit or if the unit has been opened.

LightOne qRED Warranty Information

Date of Delivery: _____

Invoice Number: _____

Purchase Order: _____

With a LightOne qRED ...

Catalog#	Description	DIM
LI - 1300	LightOne qRED 100-240V Includes: LightOne Viewing Stand, LightOne Viewing Frame, and LightOne Foot Pedal	15.5 (L) x 15.5 (W) x 1.5 (H) cm
LI - 1200	LightOne Illuminator FS 100-240V Includes: LightOne Viewing Stand, LightOne Viewing Frame, and LightOne Foot Pedal	15.5 (L) x 15.5 (W) x 1.5 (H) cm
LI - 1001	LightOne Viewing Stand	16 (L) x 16 (W) cm
LI - 1002	LightOne Viewing Frame	(outer) 12.5(L) x 8.5(W) cm (inner) 10(L) x 6.5(W) cm

Start Bringing Confidence, Well by Well

Related Products



Bring a Light to your Bench!

The ViewOne™ Lablite is a portable light box designed for the limited space in today's laboratories. The LED panel on the ViewOne provides a consistent white light source for hours of dependable operation. It has three selectable light intensities and fixed retainers molded in to hold your Petri dishes or ELISA plates in place.

Catalog#	Description
VL - 1000	ViewOne Lablite 100-240V

Why Purify, Just Amplify!

No need to waste time, money or risk contamination by purifying DNA - use it as it is! The EzWay™ Bloody Direct PCR Buffer contains key additives that overcome the inhibitory effects in whole blood and various blood anticoagulants. Simply add enzyme, dNTP's, your primers and template into EzWay Direct PCR Buffer and you are good to go!



Blood

Fresh or Preserved

YOUR
+ DNA Polymerase +
Primer Sets
dNTP's

**EzWay™
Bloody
Direct
PCR Buffer**
No DNA Purification

Catalog#	Description
EC-2001	EzWay™ Bloody Direct PCR Buffer, 500ul
EC-2002	EzWay™ Bloody Direct PCR Buffer Set
EC-2003	EzWay™ Bloody Direct Taq MasterMix (2x), 1ml
EC-2004	EzWay™ Bloody Direct Taq MasterMix w/o dye (2x), 1ml

