

LBM3502 (Preliminary Specification)

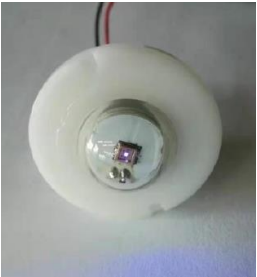
Standard static sterilization module

Approval Sheet

LBM3502 V7
Product Specification



Model Name	LBM3502 V7
Issue Date	2023/01/29



■ Features

- ✓ UVC LED 280nm
- ✓ 99.99% Escherichia coli sterilization rate
- ✓ Instant start, unlimited switching life
- ✓ Lifetime of more than 10,000 hours
- ✓ Specially optimized optical design
- ✓ Small size, easy to use

■ Application

- ✓ Water dispenser tank
- ✓ Dehumidifier water tank
- ✓ Fish tank

Performance

LBM3502 V7

Product Specification

Specification

Electrical Characteristics

LBM3502 V7

Parameter	Min.	Typical	Max.	Unit	Note
Power Input Voltage (VCC) ⁽¹⁾		24		V	Constant DC Voltage
Peak wavelength	275	280	285	nm	
Power Dissipation	-	2.4	2.88	W	
UVC LED Output Power		50		mW	
UVC LED driving current		350		mA	
Full load input current	80	100	120	mA	

Performance Characteristics

Parameter	Min.	Typical	Max.	Unit	Note
Service Life	$\geq 10,000$			hours	

Structural parameters

Parameter	Min.	Typical	Max.	Unit	Note
Protection level ⁽²⁾	IP65				
Ambient Temperature	0	25	60	°C	
Interface	2pin socket XHP-2.54				

Notes:

(1). Forward voltage tolerance is $\pm 10\%$

(2). Protection level is optional: IP68

Equipment selection:

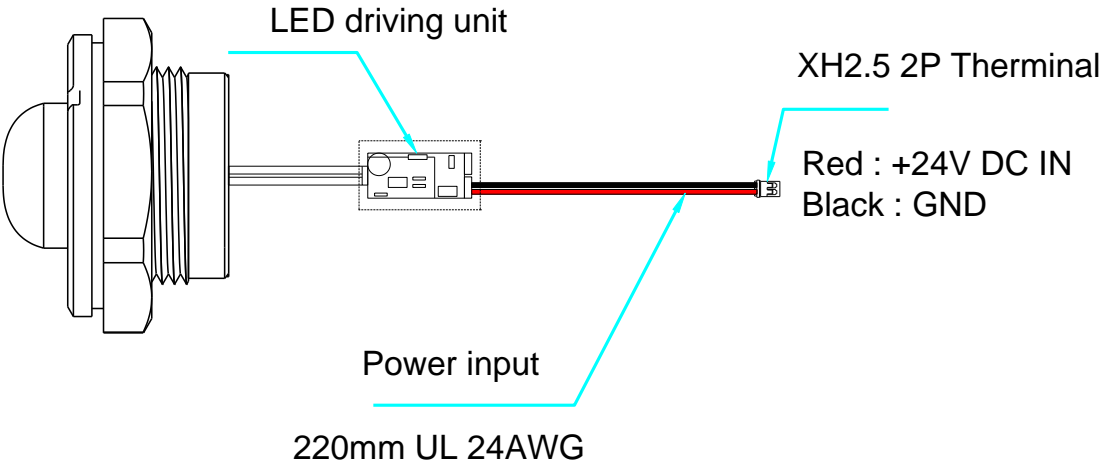
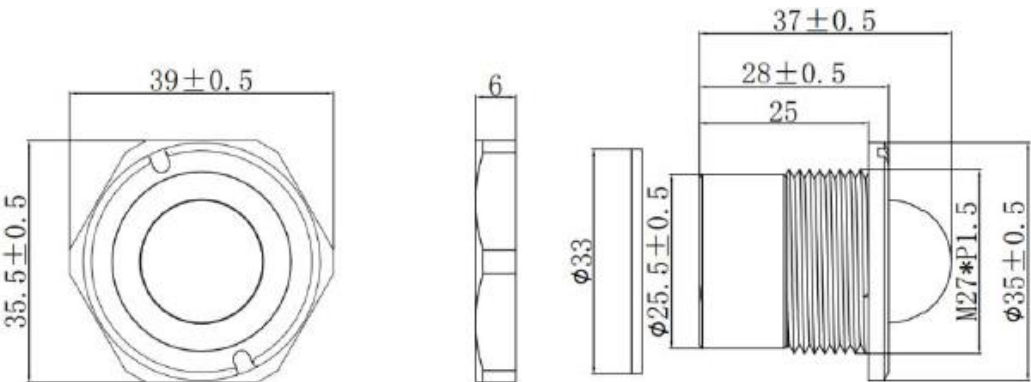
1. UVC LED working status monitoring
2. Module immersion detection

Outline Dimensions

LBM3502 V7
Product Specification

Mechanical Characteristic

Characteristic	Value	Unit
Major Dimensions	Φ35.5*37	mm



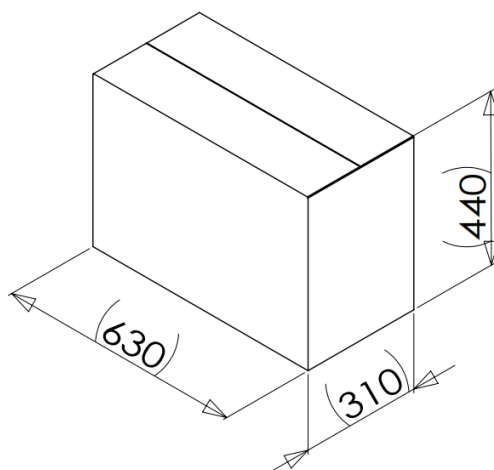
Packing

LBM3502 V7

Product Specification

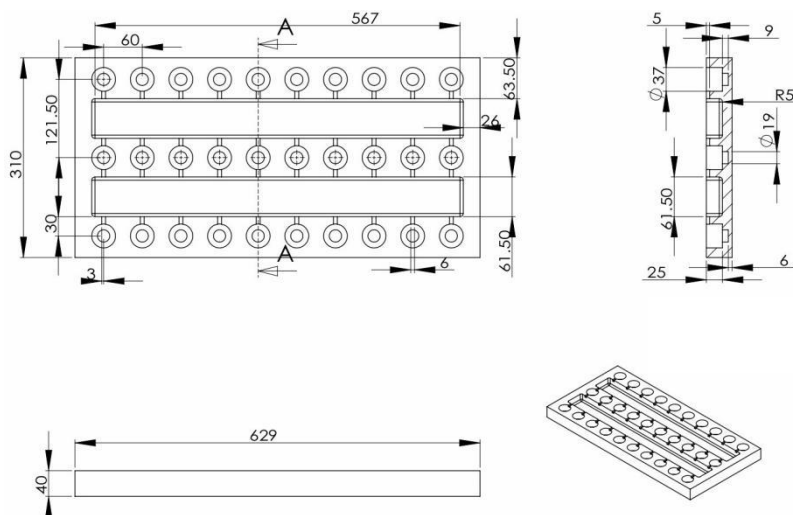
Packaging Information

Carton Size: 630x310x440 mm



Packaging instruction

One tray composed of maximum 30 PCS Model



Inner box foam partition size

- * Packing layers: 10 layers
- * Net weight of a single module (Including drive circuit and plug-in program): 46 grams
- * FCL weight: 14 kg

Revision History

LBM3502 V7
Product Specification

Date	Contents	Writer
2023.01.29	Product Specification version1	Kevin.Fan

Precautions

LBM3502 V7

Product Specification

■ Use Applications

- The products are not intended to any application which is not specified in this document. For other application, please be noted that a different product may be required. If you have any concerns, please contact us before using the products in your desired application. This specification guarantees the quality and performance of the products as an individual component. Do not use the products beyond the use case and use environment that the specification has described in this document. We assume no responsibility and liability for any lost and damage resulting from the use or operation of the products which do not comply with any absolute maximum ratings, warnings, restrictions and instructions recited in these specification sheets or other forms of notices from us or resulting from the use or operation of the products under non-standard environment or operations.

■ Cautions

- All measurement data is taken from standard laboratory procedures on each discrete product. The procedure does not work on any product integrating components and materials not provided by us. The measurement is provided for your reference and evaluation on your integrated products only. Therefore the products should always be cautiously used with other parts on your own. It is your or your customer's responsibility to perform sufficient tests under your expected environment prior to use the products with other parts to ensure that the lifetime and other quality characteristics required for the actual use in real life are met. During your tests, it is recommended to actively consult with us instantly while there is any concern or inconsistency about the discrete LED. Caution: While using under non-standard environment, application or non-approval operations, be aware of malfunctions or damages leads to risks of life or health.
- You will not reverse engineer, disassemble or otherwise attempt to extract knowledge/design information from the products. In the case of any incident or quality concern that appears to be in breach of these specifications, the products in question must be reported to our local sales representatives for further instructions. Please ensure that the products in question are not dissembled or

removed from the module (if any). The determination of whether the products in question are defective and are required for any corrective action thereafter shall be made by us in accordance with our cause analysis procedure. If you do not agree with our cause analysis result, you may request us to send the products in question to a mutually agreed third party for inspection. The cost of such third party inspection shall be borne by you unless it is determined by such third party that said quality issue is solely attributable to us. In the above case, our sole and exclusive obligation shall be, either to repair, replace or refund the products in question.

- All previous negotiation and agreements not specifically incorporated herein are superseded and rendered null and avoid. We assume no liability with respect to defects and/or issues of the products caused by:
 - (a.) alternation, modification, change, repair and attempt to repair of the products by a party other than us;
 - (b.) not caused by our negligent, gross negligent, reckless, or other improper use of the LEDs;
 - (c.) installation, operation, or maintenance of the products by a party other than us and not in a manner described in the instruction manual, if applicable; and
 - (d.) Combination of a product not supplied by us.

■ **DISCLAIMERS:**

- Repair, replace or refund of the products shall constitute the sole and exclusive remedy for the products. We expressly exclude all express warranties in relation to the products including the implied warranties of merchantability and fitness for a particular purpose
- Both parties agree that before your consent to the document, we reserve rights to modify and DISCARD the former version of the DOCUMENT and the consent in this clause including a written cosent or beginning an actual performance on DEALINGS.