

# EnviroLux Led High Lumen 53 Watt Industrial linear Vaportight



|                     |                            |               |
|---------------------|----------------------------|---------------|
| Project Name:       | <b>Project Information</b> | Fixture Type: |
| Complete Catalog #: |                            | Date:         |
| Comments:           |                            |               |

The EnviroLux LED Easy Hang Industrial Food Grade Vaportight LED Fixture product line is available in several wattages with a wide choice of mounting configurations and optical distributions designed to replace HID lighting systems from 150w to 400w MH or HPS. Typical commercial applications include food processing plants, Mining tunnels, commercial warehouse facilities, and manufacturing facilities where our up to 201 Lumens per watt and a high CRI of 80 efficiency, help factory workers best disseminate their production equipment and surroundings for safety. Fixture wattages for mounting heights of up to 35 feet are available.

## Specifications and Features:

### Housing:

Designed for ease of installation and maintenance. Poured in place gasket seal the enclosures from the most hostile of environments. Economical mounting system can provide dramatic savings in installation labor. Very tough diffusers resist breakage and reduce replacement and maintenance costs. Patented frosted lens for reducing direct glare and hot spot images of the LEDs. Durable stainless steel mounting hardware. No need to drill through the housing for installation, so installation time is dramatically reduced, lowering costs. Optional stainless steel bail for chain/cable hung installations.

### Listing & Ratings:

CSA: Listed for Dry Locations, ANSI/UL 1598, 8750; IP67

### Finish:

Powdercoat Finish Over Aluminum Housing.

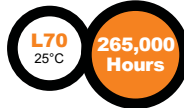
### Mounting Options:

Mount with Included V-Hangers. Includes a 3' 3-Wire Cord with Leads.

### LED:

Aluminum Metal Core - 2oz Copper Inlay

**Wattage:**  
53 Watt



### Driver:

Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

### Controls:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with EnviroLux Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

### Warranty:

7-Year Warranty for -40°C to +25°C Environment.

See Page 2 for Projected Lumen Maintenance Table



### Dimensions

**Height** 4.70"  
**Length** 51.81"

### Widths

**53W 6.75"**



- 316 Stainless Steel: **EES-MB**
- Easy Snap on Installation
- Optional mounting systems:
  - Direct to Ceiling
  - Bail for Chain
  - Drilled for Threaded Rod Pendant

Complete Units  
Ordering Information  
Example: EES-VT-53W-UNV-PS-SL-XXXX

## EnviroLux Led High Lumen 53 Watt Industrial linear Vaportight

|                              |         | U               | 5K                               | P       |         |
|------------------------------|---------|-----------------|----------------------------------|---------|---------|
| Model                        | Wattage | Driver          | CCT                              | Color   | Options |
| EES-VT=Linear LED Vaportight | 53=53w  | UNV-PS=120-277V | 3K=3000K<br>4K=4100K<br>5K=5000K | W=White |         |

**NEMA 4X**

**IP65**

**IP66**

**IP67**

**PSI-1500**

**RoHS**

**SF**=Single Fuse  
**DF**=Double Fuse  
**SP**=Surge Protection 6kv standard, 10kv optional  
**QDP**=Quick Disconnect  
**M1**=Motion Sensor, IR for mounting heights of 20ft to 35ft  
**M2**=Motion Sensor, IR for mounting heights of 18ft or less  
**BB**=Battery Backup  
**Unifi**=EnviroLux Wireless  
**EMB**=Emergency Battery Backup  
**480V**=480 Volt  
**SL**=Shallow Lens  
**NPTW120**=Twist Lock 120V  
**NPTW277**=Twist Lock 277V  
**NPTW480**=Twist Lock 480V



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## Photometric Performance

|           |                    |             |             |                  | 5000 CCT 80 CRI |     |
|-----------|--------------------|-------------|-------------|------------------|-----------------|-----|
| LED Watts | Drive Current (mA) | Input Watts | Optics      | Spacing Criteria | Lumens          | LPW |
| LED 53w   | 1500               | 53          | Wide (100°) | 1.16             | 9,587           | 201 |

## Lumen Maintenance

| Data shown for 5000 CCT              |                                       |         | Compare to MH |            |             |                     |
|--------------------------------------|---------------------------------------|---------|---------------|------------|-------------|---------------------|
| TM-21-11                             | Input Watts                           | Initial | 25,000 Hrs    | 50,000 Hrs | 100,000 Hrs | Calculated LED Life |
| L70 Lumen Maintenance @ 25°C / 77°F  | All wattages up to and including 148w | 1.00    | 0.89          | 0.79       | 0.90        | 265,000             |
| L70 Lumen Maintenance @ 50°C / 122°F |                                       | 1.00    | 0.86          | 0.72       | 0.88        | 155,000             |
| L80 Lumen Maintenance @ 40°C / 104°F |                                       | 1.00    | 0.87          | 0.74       | 0.86        | 132,000             |

### NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

## Photometric Data

