

## TRIMAX TRI-PROOF VAPOR TIGHT SERIES



### PRODUCT DESCRIPTION:

The TriMax Vapor Tight is a linear LED product with high efficiencies of 130 lm/W, an aluminum body to enhance heat dissipation, and flexible installation supporting either surface or suspended mounting kits. The TriMax features the unique linkability to create continuous runs of 8 ft or more. Designed with a full length polycarbonate lens, it is a waterproof, dustproof, and corrosion proof product that can be used in a wide variety of industrial and commercial environments such as warehouses, parking lots, stair wells, and many others.

### FEATURES:

- Non-corrosive (PC) polycarbonate housing
- 120° wide beam angle
- High efficacy at 130 lm/W
- Standard fixture includes brackets for surface or suspension mounting (cables sold separately)
- IP66 rated with hermetic sealing
- 2 or more units linkable for continuous run applications
- CRI >80
- PF >0.9
- 0-10V Dimming standard
- White finish standard
- Optional daylight harvesting motion sensor available
- Tamper Resistant

### CONSTRUCTION:

- One piece (PC) polycarbonate lens
- Aluminum heat sink, housing, and side caps
- Frosted lens with inside ribbing
- Universal voltage 120-277V
- Stainless steel mounting bracket clips
- Translucent end caps
- Connector kit for linkability to create 8 ft continuous runs

### WARRANTY:

5-year standard warranty\* (further details available at [www.maxlite.com/warranties](http://www.maxlite.com/warranties))

\*Product may be eligible for a warranty extension to 10 years, for an additional fee. Contact MaxLite for details.

#### MODEL SELECTION (Full list of order codes on pg. 2)

Typical order example: VT-V4830U-40

| VT              | - |                     | 48      |                    | U           | - |                        |                                                                |
|-----------------|---|---------------------|---------|--------------------|-------------|---|------------------------|----------------------------------------------------------------|
| FAMILY          | - | SUBFAMILY           | SIZE    | NOMINAL WATTAGE    | VOLTAGE     | - | CCT                    | OPTIONS                                                        |
| VT= Vapor Tight | - | V= Vandal Resistant | 48= 4ft | 30= 30W<br>50= 50W | U= 120-277V | - | 40= 4000K<br>50= 5000K | (Omit)= None<br>*EM= Battery Backup Unit<br>*MS= Motion Sensor |

#### NOTES:

1. \*Made-to-order item. Please contact your MaxLite representative for order quantities and lead times.
2. For options, product can have either EM (battery backup) or MS (motion sensor). EMMS (battery backup & motion sensor) option is not available.
3. Battery backup unit provides 700 lumens for a minimum of 90 minutes.

**SPECIFICATIONS:**

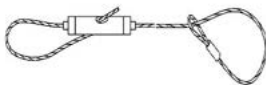
|                            |                       | VT-V4830U-40                          | VT-V4830U-50 | VT-V4850U-40 | VT-V4850U-50 |
|----------------------------|-----------------------|---------------------------------------|--------------|--------------|--------------|
| ITEM                       | SPECIFICATION         | DETAILS                               |              |              |              |
| <b>GENERAL PERFORMANCE</b> | Power Consumption (W) | 29.9W                                 | 30.2W        | 51.3W        | 51.0W        |
|                            | Lumens Delivered (lm) | 3,788 lm                              | 3,902 lm     | 6,483 lm     | 6,683 lm     |
|                            | Efficacy (lm/W)       | 126.5 lm/W                            | 129.4 lm/W   | 126.4 lm/W   | 131.0 lm/W   |
|                            | CRI                   | ≥80                                   |              |              |              |
|                            | Color Temperature     | 4000K, 5000K                          |              |              |              |
|                            | L70 Lifetime (hours)  | 50,000                                |              |              |              |
|                            | Color Consistency     | Proprietary binning for uniform color |              |              |              |
| <b>ELECTRICAL</b>          | Power Factor (277V)   | 0.9                                   |              |              |              |
|                            | Input Voltage         | 120-277V                              |              |              |              |
|                            | Mounting              | Surface Mounting, Suspended Mounting  |              |              |              |
|                            | Operating Temperature | -20°C to 40°C                         |              |              |              |
|                            | Humidity              | 20-85% RH, non-condensing             |              |              |              |
| <b>QUALIFICATION</b>       | Qualifications        | Pending                               |              |              |              |
|                            | Material Usage        | RoHS compliant; no mercury            |              |              |              |
|                            | Environment           | Indoor/Wet (IP66 rated)               |              |              |              |
|                            | Warranty              | 5 Years                               |              |              |              |

**ORDERING TABLE:**

| ORDER CODE | MODEL NUMBER   | NOMINAL WATTAGE |
|------------|----------------|-----------------|
| 14099648   | VT-V4830U-40   | 30W             |
| 14099692   | VT-V4830U-40EM |                 |
| 14099693   | VT-V4830U-40MS |                 |
| 14099649   | VT-V4830U-50   |                 |
| 14099694   | VT-V4830U-50EM |                 |
| 14099695   | VT-V4830U-50MS |                 |
| 14099650   | VT-V4850U-40   | 50W             |
| 14099696   | VT-V4850U-40EM |                 |
| 14099697   | VT-V4850U-40MS |                 |
| 14099651   | VT-V4850U-50   |                 |
| 14099698   | VT-V4850U-50EM |                 |
| 14099699   | VT-V4850U-50MS |                 |

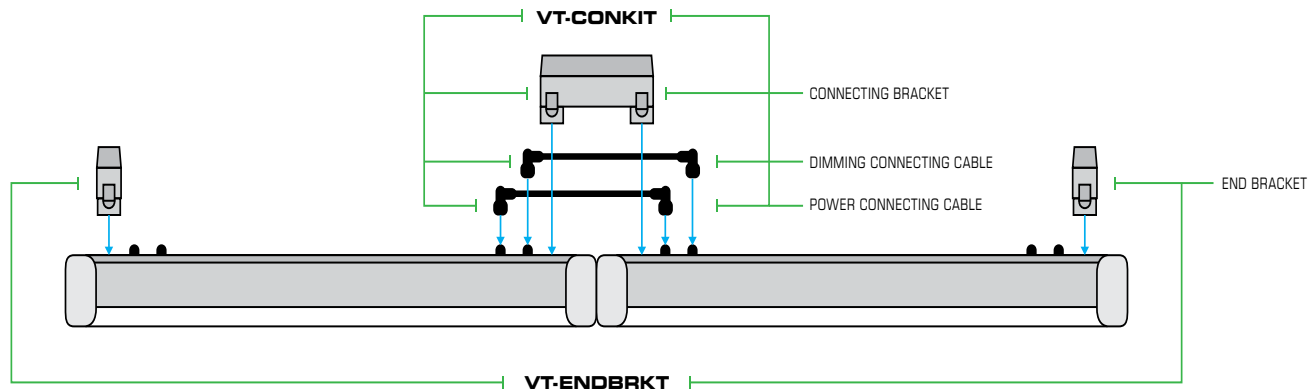
| SENSOR OPTION | TECHNOLOGY     | DIMMING  | DAYLIGHT HARVESTING | REMOTE CONTROL | QR CODE                                                                             |
|---------------|----------------|----------|---------------------|----------------|-------------------------------------------------------------------------------------|
| MS            | High Frequency | Bi-Level | Set Point           | Yes            |  |

For motion sensor settings and information, please visit [www.maxlite.com/controls](http://www.maxlite.com/controls)

| ACCESSORY  |              |                                                                                           |                                                                                       |
|------------|--------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| ORDER CODE | MODEL NUMBER | DESCRIPTION                                                                               | PRODUCT IMAGE                                                                         |
| 74139      | MLCHKLSV15   | Cable Kit 15' Loop X Loop 1 Pair                                                          |    |
| 108133     | RMHYTHRC-05  | Remote for TRIMAX Motion Sensor                                                           |    |
| 14099690   | VT-CONKIT    | Connecting Kit (Connecting Bracket, Dimming Connecting Cable, and Power Connecting Cable) |  |
| 14099691   | VT-ENDBRKT   | Set of 2 End Brackets (For use with VT-CONKIT)                                            |  |

EM units are not connectable for continuous runs

**VT-CONKIT → 1 LESS THAN # FIXTURES BEING CONNECTED**



**VT-ENDBRKT → 1 PER CONNECTED RUN**

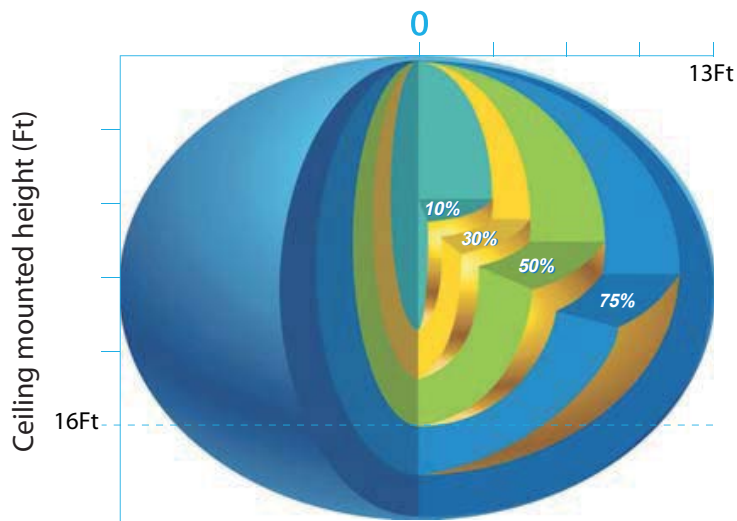
Below are all available settings for the MS (motion sensor) option. Default settings are highlighted in green. To change the default settings, purchase of the remote control (RMHYTHRC-05) is required.

### 1 Detection area

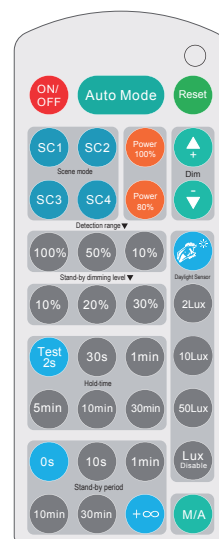
Detection area can be reduced by selecting the combination on the DIP switches to fit precisely for each specific application.

|     | 1 | 2 |      |
|-----|---|---|------|
| I   | ● | ● | 100% |
| II  | ● | ○ | 75%  |
| III | ○ | ● | 50%  |
| IV  | ○ | ○ | 10%  |

I – 100%  
II – 75%  
III – 50%  
IV – 10%



Ceiling mounted detection pattern (Ft)



Remote control (RMHYTHRC-05)

### 2 Hold-time

Hold-time means the time period to keep the lamp on 100%, after all motion has ceased (detection area vacated).

|     | 1 | 2 | 3 |       |
|-----|---|---|---|-------|
| I   | ● | ● | ● | 5s    |
| II  | ● | ● | ○ | 30s   |
| III | ● | ○ | ○ | 1min  |
| IV  | ○ | ● | ○ | 5min  |
| V   | ○ | ○ | ● | 10min |
| VI  | ○ | ○ | ○ | 20min |
| VII | ○ | ○ | ○ | 30min |

I – 5s  
II – 30s  
III – 1min  
IV – 5min  
V – 10min  
VI – 20min  
VII – 30min

### 3 Daylight sensor

The daylight threshold can be set on DIP switches, to fit for particular application.

|     | 1 | 2 |         |
|-----|---|---|---------|
| I   | ● | ● | Disable |
| II  | ● | ○ | 50Lux   |
| III | ○ | ● | 10Lux   |
| IV  | ○ | ○ | 2Lux    |

I – Disable  
II – 50Lux  
III – 10Lux  
IV – 2Lux

"Daylight" : The lamp works always, even during daylight.  
"Twilight" : The lamp works only in twilight and in darkness.  
"Darkness" : The lamp works only in darkness.

### 4 Stand-by period (corridor function)

This is the time period you would like to keep at the low light output level before it is completely switched off in the long absence of people.

Note: "0s" means on/off control;  
"+∞" means bi-level dimming control, fixture never switches off when daylight sensor is disabled.

|      | 1 | 2 | 3 |       |
|------|---|---|---|-------|
| I    | ● | ● | ● | 0s    |
| II   | ● | ● | ○ | 10s   |
| III  | ● | ○ | ○ | 1min  |
| IV   | ○ | ● | ○ | 5min  |
| V    | ○ | ○ | ● | 10min |
| VI   | ○ | ○ | ○ | 30min |
| VII  | ○ | ○ | ○ | 1H    |
| VIII | ○ | ○ | ○ | +∞    |

I – 0s  
II – 10s  
III – 1min  
IV – 5min  
V – 10min  
VI – 30min  
VII – 1H  
VIII – +∞

### 5 Stand-by dimming level

This is the dimmed low light output level you would like to have after the hold-time in the absence of people.

|     | 1 | 2 |     |
|-----|---|---|-----|
| I   | ● | ● | 5%  |
| II  | ● | ○ | 10% |
| III | ○ | ● | 20% |
| IV  | ○ | ○ | 30% |

I – 5%  
II – 10%  
III – 20%  
IV – 30%