

# KT-VTLEDXXXPS-HBXA-8CSA-VDIM

## LED VAPORTIGHT FIXTURE

### DESCRIPTION

LED Vaportight Fixture | 120-277V Input | Frosted Lens | 0-10V Dimming

### APPLICATION

Used for commercial and industrial rugged or outdoor applications.



**10 YEAR**  
LIMITED WARRANTY



### PRODUCT FEATURES

- Features Keystone Power Select technology (See Performance Specifications below)
- Features Keystone Color Select technology (3500K/4000K/5000K)
- Mounting hardware included: Surface Mount Clips and V-hooks
- Traditional design, medium width body, Vapor Tight fixture, suitable for rugged, demanding applications
- Keystone 0-10V dimming driver with included 10kV surge protection
- NEMA 4X rated enclosure
- IP66 Ingress Protection
- IK08 Impact Rating
- 5VA/Anti- UA Aging PC Lens and Housing
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- Sensor receptacle designed to accept easy screw-in installation of optional sensors
- LED chip lifetime: L70 >100,000 hours @ 25°C/77°F ambient fixture temperature
- Stainless steel 304, lens clips
- UL Certified for Wet Locations
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone)
- DesignLights Consortium® (DLC) qualified product. Not all product variations listed on this page are DLC premium. Visit <https://designlights.org/qpl/> to confirm if the product meets the DLC Standard or Premium designation.

**Disclaimer:** Not suitable for car wash applications or other applications with similar heavy pressure spray and/or splashing considerations with cleaning chemicals such as petrochemical detergents (aka soaps), chlorine, and/or humidity typically above 85% for prolonged periods.

### PERFORMANCE SPECIFICATIONS DETAILED

| Catalog Number               | Nominal Size | Selectable Wattage | Selectable CCT | Lumens | Efficacy | Input Voltage | Dimming | CRI | Power Factor | Lifetime  |
|------------------------------|--------------|--------------------|----------------|--------|----------|---------------|---------|-----|--------------|-----------|
| KT-VTLED215PS-HB4A-8CSA-VDIM | 4'           | 215W               | 3500K          | 30,100 | 140 lm/W | 120-277V      | 0-10V   | >80 | >0.9         | 50,000hrs |
|                              |              |                    | 4000K          | 32,250 | 150 lm/W |               |         |     |              |           |
|                              |              |                    | 5000K          | 31,175 | 145 lm/W |               |         |     |              |           |
|                              |              | 175W               | 3500K          | 24,850 | 142 lm/W |               |         |     |              |           |
|                              |              |                    | 4000K          | 26,600 | 152 lm/W |               |         |     |              |           |
|                              |              |                    | 5000K          | 25,725 | 147 lm/W |               |         |     |              |           |
|                              |              | 135W               | 3500K          | 19,575 | 145 lm/W |               |         |     |              |           |
|                              |              |                    | 4000K          | 20,925 | 155 lm/W |               |         |     |              |           |
|                              |              |                    | 5000K          | 20,250 | 150 lm/W |               |         |     |              |           |
| KT-VTLED105PS-HB2A-8CSA-VDIM | 2'           | 105W               | 3500K          | 14,700 | 140 lm/W | 120-277V      | 0-10V   | >80 | >0.9         | 50,000hrs |
|                              |              |                    | 4000K          | 15,750 | 150 lm/W |               |         |     |              |           |
|                              |              |                    | 5000K          | 15,225 | 145 lm/W |               |         |     |              |           |
|                              |              | 90W                | 3500K          | 12,780 | 142 lm/W |               |         |     |              |           |
|                              |              |                    | 4000K          | 13,680 | 152 lm/W |               |         |     |              |           |
|                              |              |                    | 5000K          | 13,230 | 147 lm/W |               |         |     |              |           |
|                              |              | 65W                | 3500K          | 9,425  | 145 lm/W |               |         |     |              |           |
|                              |              |                    | 4000K          | 10,075 | 155 lm/W |               |         |     |              |           |
|                              |              |                    | 5000K          | 9,750  | 150 lm/W |               |         |     |              |           |

\* Preset to highest lumen output (44W / 5000K)

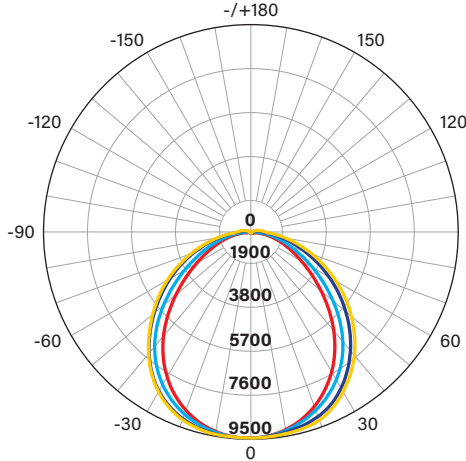
\* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017.

# KT-VTLEDXXXPS-HBXA-8CSA-VDIM

## LED VAPORTIGHT FIXTURE

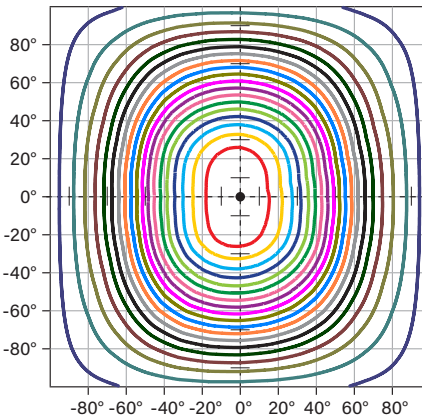
### PHOTOMETRIC SPECIFICATIONS (KT-VTLED215PS-HB4A-8CSA-VDIM)

#### POLAR CANDELA DISTRIBUTION



Unit: cd  
C0/C180-96.2 C30/C210-104.6  
C90/C270-117.4 C60/C240-114.0

#### ISOCANDELA PLOT



Cd: 8980, 95% Cd: 4727, 50%  
Cd: 8508, 90% Cd: 4254, 45%  
Cd: 8035, 85% Cd: 3781, 40%  
Cd: 7562, 80% Cd: 3309, 35%  
Cd: 7090, 75% Cd: 2836, 30%  
Cd: 6617, 70% Cd: 2363, 25%  
Cd: 6144, 65% Cd: 1891, 20%  
Cd: 5672, 60% Cd: 1418, 15%  
Cd: 5199, 55% Cd: 945.3, 10%  
Cd: 472.7, 5%

--- Point of Max Cd: 9453

#### LUX DISTANCE CURVE

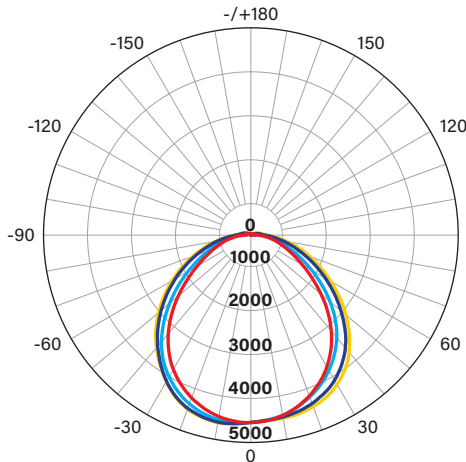
Flux Out: x lm

| Height   | Eavg/Emax              | Angle: 96.21° | Diameter |
|----------|------------------------|---------------|----------|
| 3.28 ft  | 42,507.04/878.21 fc    |               | 7.31 ft  |
| 6.56 ft  | 10,626.22/25,435.33 fc |               | 14.63 ft |
| 9.84 ft  | 4,723.24/11,302.20 fc  |               | 21.94 ft |
| 13.12 ft | 2,656.56/6,359.37 fc   |               | 29.26 ft |
| 16.40 ft | 1,700.71/4,069.87 fc   |               | 36.57 ft |
| 19.69 ft | 1,180.81/2,826.63 fc   |               | 43.89 ft |
| 22.97 ft | 867.47/2,076.38 fc     |               | 51.20 ft |
| 26.25 ft | 664.14/1,589.84 fc     |               | 58.52 ft |
| 29.53 ft | 524.75/1,256.16 fc     |               | 65.83 ft |
| 32.81 ft | 425.07/1,017.52 fc     |               | 73.15 ft |

Curves show illuminated area and average illumination when lamp is at various distances.

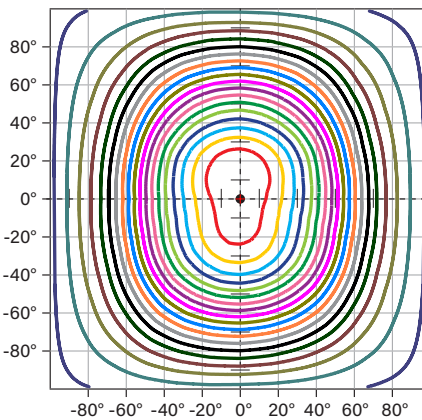
### PHOTOMETRIC SPECIFICATIONS (KT-VTLED105PS-HB2A-8CSA-VDIM)

#### POLAR CANDELA DISTRIBUTION



Unit: cd  
C0/C180-99.7 C30/C210-99.7  
C90/C270-117.6 C60/C240-117.6

#### ISOCANDELA PLOT



Cd: 4360, 95% Cd: 2295, 50%  
Cd: 4130, 90% Cd: 2065, 45%  
Cd: 3901, 85% Cd: 1836, 40%  
Cd: 3672, 80% Cd: 1606, 35%  
Cd: 3442, 75% Cd: 1377, 30%  
Cd: 3213, 70% Cd: 1147, 25%  
Cd: 2983, 65% Cd: 917.9, 20%  
Cd: 2754, 60% Cd: 688.4, 15%  
Cd: 2524, 55% Cd: 458.9, 10%  
Cd: 229.5, 5%

--- Point of Max Cd: 9589

#### LUX DISTANCE CURVE

Flux Out: x lm

| Height   | Eavg/Emax             | Angle: 98.68° | Diameter |
|----------|-----------------------|---------------|----------|
| 3.28 ft  | 171.03/420.01 fc      |               | 7.64 ft  |
| 6.56 ft  | 4,954.67/12,163.32 fc |               | 15.28 ft |
| 9.84 ft  | 2,202.31/5,406.76 fc  |               | 22.92 ft |
| 13.12 ft | 1,238.94/3,040.83 fc  |               | 30.56 ft |
| 16.40 ft | 792.66/1,946.13 fc    |               | 38.20 ft |
| 19.69 ft | 550.47/993.09 fc      |               | 45.84 ft |
| 22.97 ft | 393.64/1,351.96 fc    |               | 53.48 ft |
| 26.25 ft | 309.68/760.26 fc      |               | 61.12 ft |
| 29.53 ft | 244.67/600.74 fc      |               | 68.76 ft |
| 32.81 ft | 198.17/486.64 fc      |               | 76.40 ft |

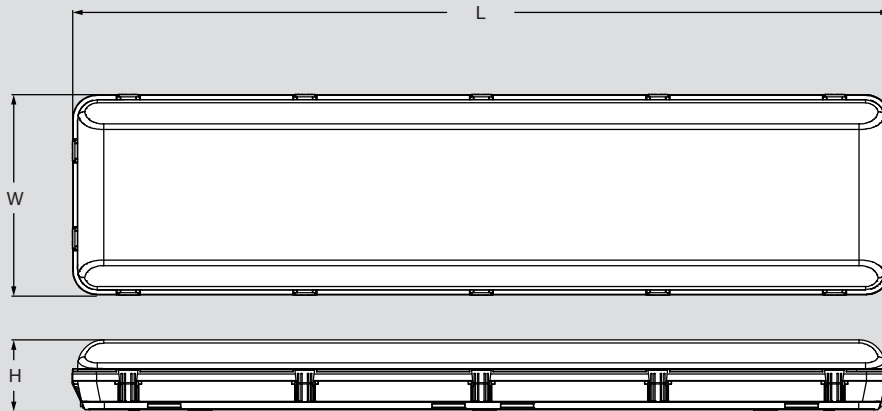
Curves show illuminated area and average illumination when lamp is at various distances.

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## LED VAPORTIGHT FIXTURE

### PHYSICAL SPECIFICATIONS

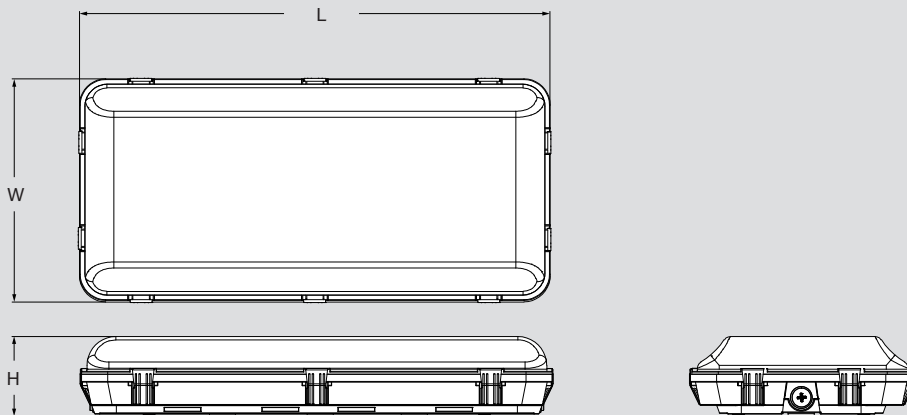
KT-VTLED215PS-HB4A-8CSA-VDIM



KT-VTLED215PS-HB4A-8CSA-VDIM

|            |        |
|------------|--------|
| L (Length) | 49.12" |
| W (Width)  | 12.13" |
| H (Height) | 4.33"  |

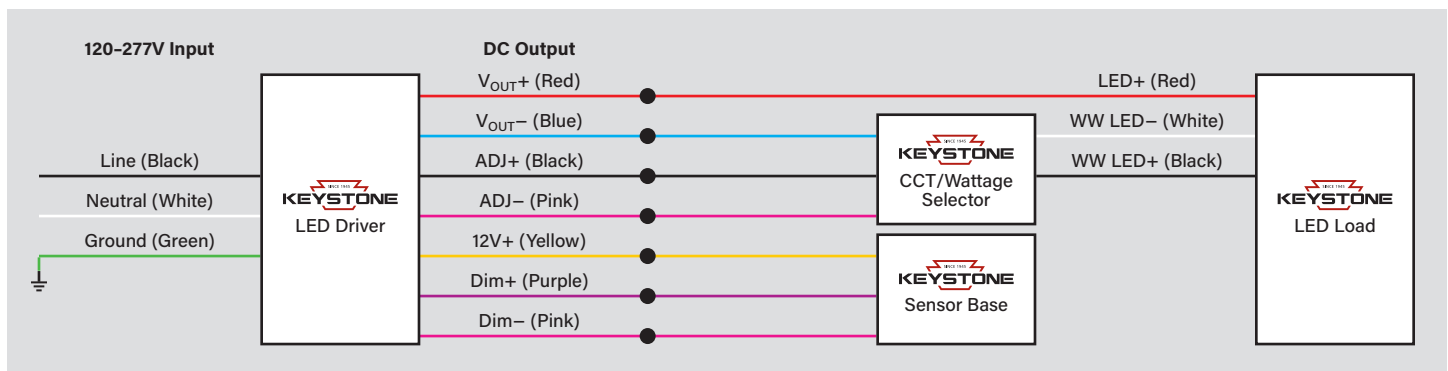
KT-VTLED105PS-HB2A-8CSA-VDIM



KT-VTLED105PS-HB2A-8CSA-VDIM

|            |        |
|------------|--------|
| L (Length) | 25.59" |
| W (Width)  | 12.13" |
| H (Height) | 4.33"  |

### WIRING SPECIFICATIONS



# KT-VTLEDXXXPS-HBXA-8CSA-VDIM

## LED VAPORTIGHT FIXTURE

### ACCESSORIES

#### SENSORS/CONTROLLERS

Factory-Installable OR Field-Installable (field-installable purchased separately)

| ✓ | Suffix* | Catalog Number   | Description                                                                                                                     | UPC          | Easy Code |
|---|---------|------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
|   | /FC4    | KTSL-FC4-12V-PKO | Bluetooth mesh screw-in fixture controller for SmartLoop LLLC system                                                            | 843654149066 | RUN-10    |
|   | /MW3    | KTS-MW3-12V-PKO  | Screw-in microwave multifunction occupancy sensor, preset for 10 min hold time, ∞ min standby time at 50% dim, daylight disable | 843654135212 | TRM-32    |



Smart Loop Fixture Controller  
KTSL-FC4-12V-PKO



Smart Port Microwave Sensor  
KTS-MW3-12V-PKO

\* FOR FACTORY INSTALLATION OF ACCESSORY, ADD SUFFIX TO FIXTURE PART NUMBER (SEE ORDERING EXAMPLES AND INSTRUCTIONS ON LAST PAGE OF SPEC SHEET).

#### CORD SETS

Factory-Installable OR Field-Installable (field-installable purchased separately)

| ✓ | Suffix*  | Catalog Number      | Description                                                                             | UPC          | Easy Code |
|---|----------|---------------------|-----------------------------------------------------------------------------------------|--------------|-----------|
|   | /515P6   | KT-CS-515P-6-18/3   | Cord set for high bay; 125V NEMA 5-15P; straight blade plug; 6' SJTOW cable; 18/3 wire  | 843654140124 | UKH-26    |
|   | /L715P10 | KT-CS-L715P-10-16/3 | Cord set for high bays; 277V NEMA L7-15P; twist lock plug; 10' SJTOW cable; 16/3 wire   | 843654140131 | SFV-88    |
|   | /L615P10 | KT-CS-L615P-10-16/3 | Cord set for high bays; 250V NEMA L6-15P; twist lock plug; 10' SJTOW cable; 16/3 wire   | 843654140148 | ZQS-05    |
|   | /L515P10 | KT-CS-L515P-10-16/3 | Cord set for high bays; 125V NEMA L5-15P; twist lock plug; 10' SJTOW cable; 16/3 wire   | 843654140155 | GVH-22    |
|   | /L715P6  | KT-CS-L715P-6-16/3  | Cord set for high bays; 277V NEMA L7-15P; twist lock plug; 6' SJTOW cable; 16/3 wire    | 843654140162 | DVU-44    |
|   | /L615P6  | KT-CS-L615P-6-16/3  | Cord set for high bays; 250V NEMA L6-15P; twist lock plug; 6' SJTOW cable; 16/3 wire    | 843654140179 | LCW-66    |
|   | /L515P6  | KT-CS-L515P-6-16/3  | Cord set for high bays; 125V NEMA L5-15P; twist lock plug; 6' SJTOW cable; 16/3 wire    | 843654140186 | POC-82    |
|   | /NP10    | KT-CS-NP-10-16/3    | Cord for high bays; no plug; inners 1/2" strip on both ends; 10' SJTOW cable; 16/3 wire | 843654140193 | YOH-90    |
|   | /NP6     | KT-CS-NP-6-16/3     | Cord for high bays; no plug; inners 1/2" strip on both ends; 6' SJTOW cable; 16/3 wire  | 843654140216 | HUB-73    |
|   | /NP15    | KT-CS-NP-15-16/3    | Cord for high bays; no plug; inners 1/2" strip on both ends; 15' SJTOW cable; 16/3 wire | 843654140209 | EYD-18    |



Cord Set  
KT-CS-515P-6-18/3

\* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

**Note:** For cord sets not listed here, please contact your Keystone sales rep.

(Accessories continued on next page)

# KT-VTLEDXXXPS-HBXA-8CSA-VDIM

## LED VAPORTIGHT FIXTURE

### ACCESSORIES (continued)

#### EMERGENCY BACKUPS

Factory-Installable OR Field-Installable (field-installable purchased separately)

| ✓ | Suffix* | Catalog Number            | Description                                                   | UPC          | Easy Code |
|---|---------|---------------------------|---------------------------------------------------------------|--------------|-----------|
|   | /EM4    | KT-EMRG-LED-4BC-400-EN2   | 4W, 400 lumen SmartSafe emergency backup, CEC T20 Compliant   | 843654175515 | DQN-36    |
|   | /EM10   | KT-EMRG-LED-10BC-1000-EN3 | 10W, 1000 lumen SmartSafe emergency backup, CEC T20 Compliant | 843654167602 | WUV-99    |



4W, 400 lumen Battery Backup  
KT-EMRG-LED-4BC-400-EN2



10W, 1000 lumen Battery Backup  
KT-EMRG-LED-10BC-1000-EN3

\* FOR FACTORY INSTALLATION OF ACCESSORY, ADD SUFFIX TO FIXTURE PART NUMBER (SEE ORDERING EXAMPLES AND INSTRUCTIONS ON LAST PAGE OF SPEC SHEET).  
\* FACTORY INSTALLATION OF EMERGENCY BACKUP UNITS WILL AUTOMATICALLY INCLUDE ANY RELEVANT MOUNTING BRACKET.

#### MOUNTS/BRACKETS

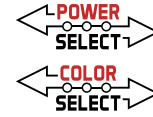
Factory-Installable OR Field-Installable (field-installable purchased separately)

| Catalog Number      | Description                                                                                                                    | UPC          | Easy Code |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| KT-VTLED-HBA-EM-KIT | Emergency LED Backup Mounting Kit for Keystone Highbay Vapor Tight Fixtures. (Style A) Includes bracket and mounting hardware. | 843654177212 | MLH-09    |

\* FOR FACTORY INSTALLATION OF ACCESSORY, ADD SUFFIX TO FIXTURE PART NUMBER (SEE ORDERING EXAMPLES AND INSTRUCTIONS ON LAST PAGE OF SPEC SHEET).  
\* FACTORY INSTALLATION OF EMERGENCY BACKUP UNITS WILL AUTOMATICALLY INCLUDE ANY RELEVANT MOUNTING BRACKET.

### ORDERING INFORMATION

| Catalog Number               | Carton QTY | UPC          | Easy Code | DLC Product ID |
|------------------------------|------------|--------------|-----------|----------------|
| KT-VTLED215PS-HB4A-8CSA-VDIM | 1pcs       | 843654171487 | QWO-37    | S-6W53NV       |
|                              |            |              |           | S-TV5F5H       |
|                              |            |              |           | S-CB7Y8W       |
| KT-VTLED105PS-HB2A-8CSA-VDIM | 1pcs       | 843654171470 | WXS-28    | S-7474C2       |
|                              |            |              |           | S-MLYQ3Z       |
|                              |            |              |           | S-C4V0GT       |



# KT-VTLEDXXXPS-HBXA-8CSA-VDIM

## LED VAPORTIGHT FIXTURE

### CATALOG NUMBER BREAKDOWN

## KT-VTLEDXXXPS-HBXA-8CSA-VDIM

| 1  | 2                        | 3 | 4 | 5 | 6              | 7 | 8            | 9                          | 10 | 11 |
|----|--------------------------|---|---|---|----------------|---|--------------|----------------------------|----|----|
| 1  | Keystone Technologies    |   |   |   | 3 Wattage      |   |              | 9 Color Select Designation |    |    |
| 2  | LED Vaportight Fixture   |   |   |   | 215            |   | 215/175/135W |                            | A  |    |
| 3  | Max Wattage              |   |   |   | 105            |   | 105/90/65W   |                            |    |    |
| 4  | Power Select             |   |   |   |                |   |              |                            |    |    |
| 5  | Nominal Size             |   |   |   | 6 Nominal Size |   |              |                            |    |    |
| 6  | Nominal Size             |   |   |   | 2              |   | 2'           |                            |    |    |
| 7  | Form Factor A            |   |   |   | 4              |   | 4'           |                            |    |    |
| 8  | 80 CRI                   |   |   |   |                |   |              |                            |    |    |
| 9  | Color Select             |   |   |   |                |   |              |                            |    |    |
| 10 | Color Select Designation |   |   |   |                |   |              |                            |    |    |
| 11 | 0-10V Dimming            |   |   |   |                |   |              |                            |    |    |

### ORDERING EXAMPLES

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

KT-VTLED105PS-HB2A-8CSA-VDIM/MW3/NP10/EM4

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

KT-VTLED105PS-HB2A-8CSA-VDIM/MW3/EM4

FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES\*

KT-VTLED105PS-HB2A-8CSA-VDIM/MW3/NP10

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-VTLED105PS-HB2A-8CSA-VDIM/MW3

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-VTLED105PS-HB2A-8CSA-VDIM

#### KEYSTONE FIXTURE

| Catalog number               |
|------------------------------|
| KT-VTLED105PS-HB2A-8CSA-VDIM |

#### SENSORS/CONTROLLERS

| ✓ | Suffix* | Catalog number   |
|---|---------|------------------|
|   | /MW3    | KTS-MW3-UV-KO-K2 |

#### CORD SETS

| ✓ | Suffix* | Catalog number   |
|---|---------|------------------|
|   | /NP10   | KT-CS-NP-10-16/3 |

#### EMERGENCY BACKUPS

| ✓ | Suffix* | Catalog number          |
|---|---------|-------------------------|
|   | /EM4    | KT-EMRG-LED-4BC-400-EN2 |

\* WHEN ORDERING MORE THAN ONE FACTORY-INSTALLED ACCESSORY, USE MULTIPLE SUFFIXES AS SHOWN IN THE ORDERING EXAMPLES ABOVE.

**NOTE:** ALL ACCESSORIES CAN ALSO BE ORDERED SEPARATELY FOR FIELD INSTALLATION USING JUST THEIR REGULAR CATALOG NUMBER, UPC, OR EASY CODE.