

# KT-HBLED230-4F-8XX-VDIM-P /G2

## LED HIGH BAY FIXTURE

### DESCRIPTION

Complete Compact LED High Bay Fixture

### APPLICATION

Used for commercial and industrial high bay lighting applications



**5 YEAR**  
WARRANTY

### PRODUCT FEATURES

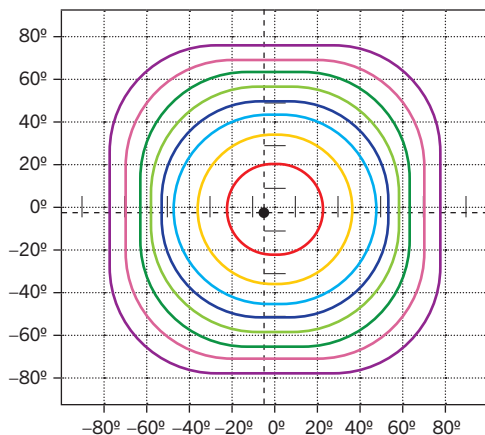
- Architectural grade compact design
- Designed to accept easy screw-in installation of optional sensors via 1/2" threaded receptacle in driver cover
- Compatible with Keystone SmartSafe emergency LED drivers (see accessories section for details)
- Powered by Keystone 0–10V dimming LED drivers with 12V Aux
- Frosted lens eliminates glare
- V-hook and chain mounting accessories included
- UL Listed 1598: Suitable for dry and damp locations
- Ambient operating temperature: –20°C/–4°F to 50°C/122°F
- THD: < 20%
- PF: > 0.90
- LED chip lifetime: L70 > 100,000 hrs @ 25°C/77°F ambient fixture temp.

### PERFORMANCE SPECIFICATIONS

| CATALOG NUMBER                | NOMINAL LENGTH | INPUT VOLTAGE | CCT   | WATTAGE | LUMEN OUTPUT | EFFICACY | CRI   | POWER FACTOR | LIFETIME   |
|-------------------------------|----------------|---------------|-------|---------|--------------|----------|-------|--------------|------------|
| KT-HBLED230-4F-840-VDIM-P /G2 | 4 ft.          | 120–277V      | 4000K | 230W    | 34,500       | 150 lm/W | >80.0 | >0.90        | 50,000 hrs |
| KT-HBLED230-4F-850-VDIM-P /G2 | 4 ft.          | 120–277V      | 5000K | 230W    | 34,730       | 151 lm/W | >80.0 | >0.90        | 50,000 hrs |

### PHOTOMETRIC SPECIFICATIONS

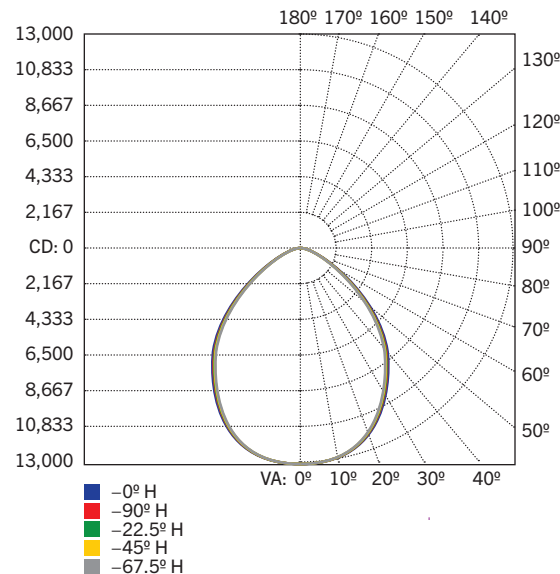
#### ISOCANDELA PLOT



|                 |                |
|-----------------|----------------|
| Cd: 11,621, 90% | Cd: 5,165, 40% |
| Cd: 9,685, 75%  | Cd: 3,874, 30% |
| Cd: 7,748, 60%  | Cd: 2,583, 20% |
| Cd: 6,456, 50%  | Cd: 1,291, 10% |

----- Point of Max Cd: 12,936.3

#### POLAR CANDELA DISTRIBUTION



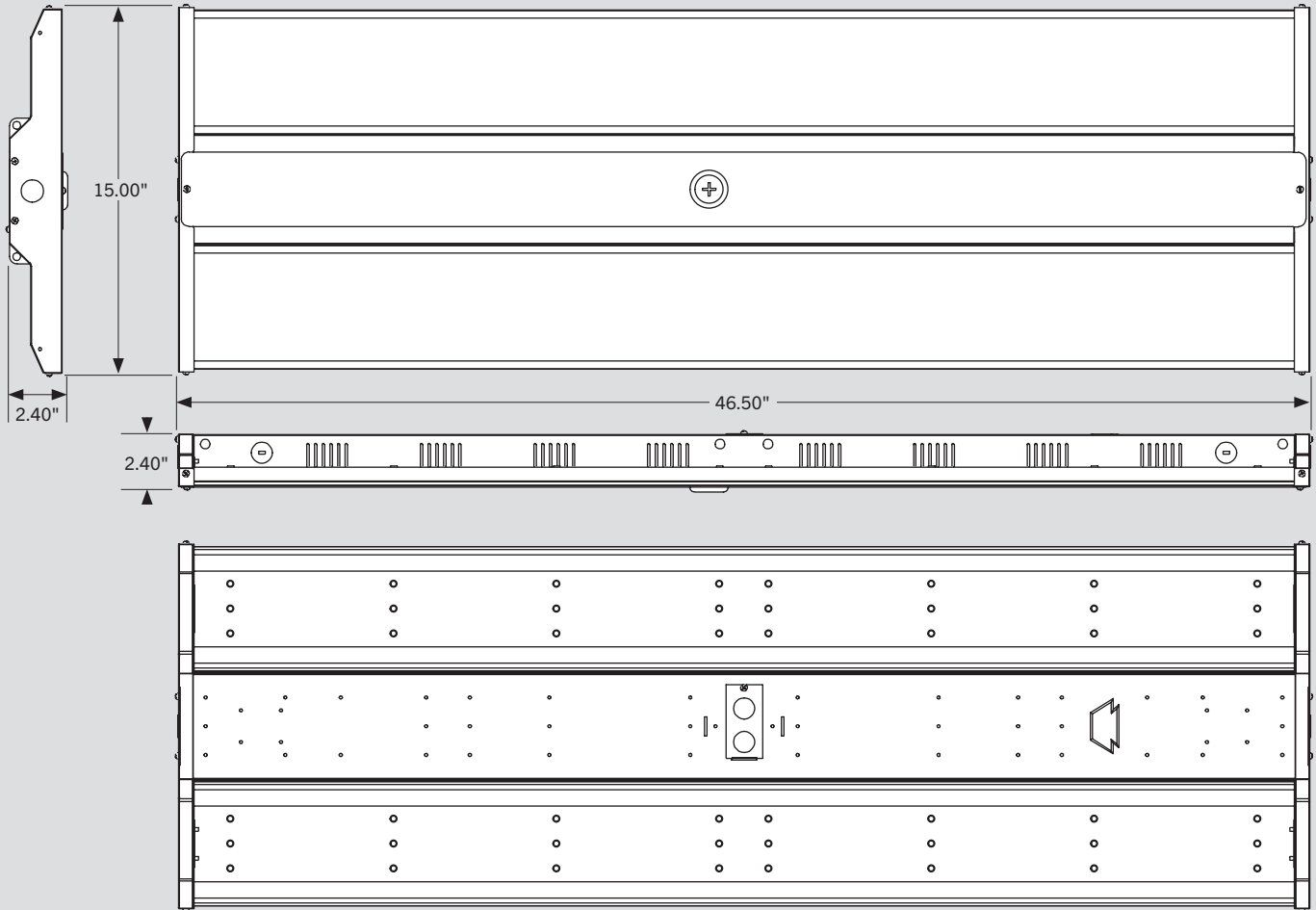
#### ZONAL LUMEN SUMMARY

| Zone   | Lumens   | % Luminaire |
|--------|----------|-------------|
| 0–30   | 9,883.8  | 30.20%      |
| 0–40   | 16,011.9 | 48.90%      |
| 0–60   | 27,088.5 | 82.70%      |
| 60–90  | 5,572.8  | 17.00%      |
| 70–100 | 2,157.3  | 6.60%       |
| 90–120 | 26.4     | 0.10%       |
| 0–90   | 32,661.2 | 99.70%      |
| 90–180 | 94.1     | 0.30%       |
| 0–180  | 32,755.4 | 100%        |

# KT-HBLED230-4F-8XX-VDIM-P /G2

## LED HIGH BAY FIXTURE

### PHYSICAL SPECIFICATIONS



# KT-HBLED230-4F-8XX-VDIM-P /G2

## LED HIGH BAY FIXTURE

### ACCESSORIES

#### SENSORS

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

| ✓ | SUFFIX* | CATALOG NUMBER       | DESCRIPTION                                                                                                                                | UPC          | EASY CODE |
|---|---------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
|   | /HBFC1  | KTSL-HBFC1-UV-KO-PIR | Smart Loop Bluetooth mesh PIR occupancy sensor with built-in fixture controller                                                            | 843654129266 | AEJ-50    |
|   | /FC3    | KTSL-FC3-12V-PKO-PIR | Smart Loop Bluetooth mesh screw-in PIR occupancy sensor with built-in fixture controller. No wiring required.                              | 843654138862 | OCW-60    |
|   | /PIR    | KTS-PIR2-UV-KO       | PIR sensor for high bay fixtures; Preset for 5 min hold time, 10 min standby time at 10% dim, daylight disabled                            | 843654123288 | IOF-04    |
|   | /PIR-A  | KTS-PIR3-12V-PKO /A  | Smart Port PIR sensor for high bay fixtures; Preset for 1 min hold time, 3 min standby time at 30% dim, daylight disabled                  | 843654133638 | RXQ-30    |
|   | /PIR-B  | KTS-PIR3-12V-PKO /B  | Smart Port PIR sensor for high bay fixtures; Preset for 5 min hold time, 10 min standby time at 10% dim, daylight disabled                 | 843654133645 | LEF-34    |
|   | /MW3-A  | KTS-MW3-12V PKO /A   | Smart Port Microwave Occupancy sensor for high bay fixtures; Preset for 1 min hold time, 3 min standby time at 30% dim, daylight disabled  | 843654133317 | XYR-25    |
|   | /MW3-B  | KTS-MW3-12V PKO /B   | Smart Port Microwave Occupancy sensor for high bay fixtures; Preset for 5 min hold time, 10 min standby time at 10% dim, daylight disabled | 843654133324 | SPF-37    |



Smart Loop PIR Sensor  
KTSL-HBFC1-UV-KO-PIR



Smart Loop PIR Sensor  
KTSL-FC3-12V-PKO-PIR



Standard PIR Sensor  
KTS-PIR2-UV-KO



Smart Port PIR Sensor  
KTS-PIR3-12V PKO /A  
KTS-PIR3-12V PKO /B



Smart Port Microwave Sensor  
KTS-MW3-12V PKO /A  
KTS-MW3-12V PKO /B

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

Field-Installable / Field-Use ONLY (purchased separately)

| CATALOG NUMBER        | DESCRIPTION                                                                                                                                                                                                                                               | UPC          | EASY CODE |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| KTS-MW3-REMOTECONTROL | Remote control for KTS-MW3-12V-PKO /A or /B and KTS-PIR3-12V-PKO /A or /B sensors. Used to set and adjust all sensor settings, including high-end trim brightness, sensitivity, hold time, daylight threshold, stand-by time, and stand-by dimming level. | 843654132020 | XSR-61    |



Remote Control

(Accessories continued on next page)

# KT-HBLED230-4F-8XX-VDIM-P /G2

## LED HIGH BAY FIXTURE

### ACCESSORIES (continued)

#### 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; 250V 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; 250V NEMA L5-15P; twist lock plug; 6' SJTOW cable; 16/3 wire                                          | 843654140186 | POC-82    |
|   | /MC63    | KT-MC-NP-6-18/3     | MC cable whip for high bays; no plug; inners 1/2" strip on both ends; 6' metal-clad cable; 18/3 wire                          | 843654134505 | EYP-82    |
|   | /MC65    | KT-MC-NP-6-18/5     | MC cable whip for high bays; no plug; inners 1/2" strip on both ends; 6' metal-clad cable; 18/5 wire (dimming wires included) | 843654134512 | CBU-56    |
|   | /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    |



\* 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-HBLED230-4F-8XX-VDIM-P /G2

## LED HIGH BAY FIXTURE

### ACCESSORIES (continued)

#### EMERGENCY BACKUP

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

| ✓ | SUFFIX* | CATALOG NUMBER               | DESCRIPTION                                                                        | UPC          | EASY CODE |
|---|---------|------------------------------|------------------------------------------------------------------------------------|--------------|-----------|
|   | /EM5†   | KT-EMRG-LED-5C-500-EN /DF    | 5W, 500 lumen Smart Safe emergency backup with dual flex cables                    | 843654132433 | RAR-74    |
|   | /EM12†  | KT-EMRG-LED-12C-1200-EN /DF  | 12W, 1200 lumen Smart Safe emergency backup with dual flex cables                  | 890949019900 | YCV-23    |
|   | /EM20†  | KT-EMRG-LED-20SD-2000-EN /DF | 20W, 2000 lumen Smart Safe emergency backup with dual flex cables; Self-diagnostic | 843654103143 | BZU-19    |



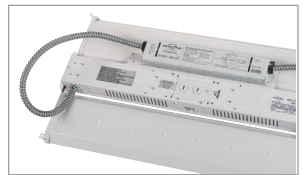
5W, 500 lumen Battery Backup  
KT-EMRG-LED-5C-500-EN /DF



12W, 1200 lumen Battery Backup  
KT-EMRG-LED-12C-1200-EN /DF



20W, 2000 lumen Battery Backup  
KT-EMRG-LED-20SD-2000-EN /DF



\* 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.

Field-Installable / Field-Use ONLY (purchased separately)

| CATALOG NUMBER     | DESCRIPTION                                                         | UPC          | EASY CODE |
|--------------------|---------------------------------------------------------------------|--------------|-----------|
| KT-HBLED-EM-BR-KIT | Emergency LED backup mounting bracket kit for LED high bay fixtures | 843654110066 | OGY-07    |



Emergency Backup Mounting Bracket  
KT-HBLED-EM-BR-KIT



(Accessories continued on next page)

# KT-HBLED230-4F-8XX-VDIM-P /G2

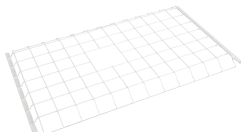
## LED HIGH BAY FIXTURE

### ACCESSORIES (continued)

#### MOUNTS AND BRACKETS

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

| ✓ | SUFFIX* | CATALOG NUMBER        | DESCRIPTION                                                           | UPC          | EASY CODE |
|---|---------|-----------------------|-----------------------------------------------------------------------|--------------|-----------|
|   | /WG-3   | KT-HBLED-WG-3-KIT /G2 | Wire guard kit for 4.0' /G2 linear LED high bay fixtures (230W, 270W) | 843654137773 | YDO-03    |



Wire Guard Kit  
KT-HBLED-WG-3-KIT /G2



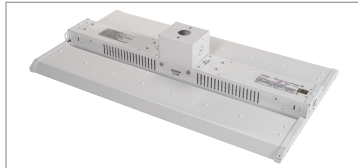
\* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

Field-Installable / Field-Use ONLY (purchased separately)

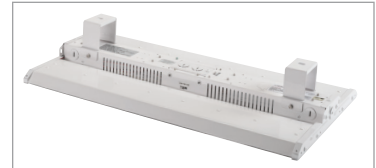
| CATALOG NUMBER     | DESCRIPTION                                          | UPC          | EASY CODE |
|--------------------|------------------------------------------------------|--------------|-----------|
| KT-HBLED-PM-1-KIT  | Pendant mount kit for LED high bay fixtures          | 890919020042 | HRV-72    |
| KT-HBLED-SM-1-KIT  | Surface mount kit for LED high bay fixtures          | 890919020035 | LDN-61    |
| KT-HBLED-CABLE-KIT | Aircraft cable hanging kit for LED high bay fixtures | 890949012871 | XPJ-88    |



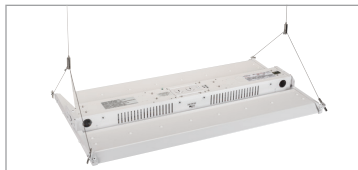
Pendant Mount Kit  
KT-HBLED-PM-1-KIT



Surface Mount Kit  
KT-HBLED-SM-1-KIT



Cable Mount Kit  
KT-HBLED-CABLE-KIT



#### STEP-DOWN TRANSFORMERS

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

| ✓ | SUFFIX*            | CATALOG NUMBER       | DESCRIPTION                                                                                  | UPC          | EASY CODE |
|---|--------------------|----------------------|----------------------------------------------------------------------------------------------|--------------|-----------|
|   | /480 <sup>†‡</sup> | KTAT-250-480-277 /SF | Fully enclosed, single flex step-down transformer for LED high bay fixtures (250VA or lower) | 843654102931 | XIM-17    |



Step-Down Transformer  
KTAT-250-480-277 /SF



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

<sup>†</sup> Factory installation of step-down transformer units will automatically include any relevant mounting bracket.

<sup>‡</sup> Step-down transformers cannot be ordered in conjunction with standard SJTOW cord set options (contact Keystone sales rep for available custom options if needed).



# KT-HBLED230-4F-8XX-VDIM-P /G2

## LED HIGH BAY FIXTURE

### FIXTURE ORDERING INFORMATION

| ORDER CODE                    | PACK QTY. | UPC          | EASY CODE |
|-------------------------------|-----------|--------------|-----------|
| KT-HBLED230-4F-840-VDIM-P /G2 | 1         | 843654136783 | HVB-63    |
| KT-HBLED230-4F-850-VDIM-P /G2 | 1         | 843654136790 | KWH-47    |

### FIXTURE CATALOG NUMBER BREAKDOWN

# KT-HBLED230-4F-8XX-VDIM-P /G2

| 1                       | 2                      | 3         | 4                | 5              | 6            | 7                   | 8               | 9                | 10                |
|-------------------------|------------------------|-----------|------------------|----------------|--------------|---------------------|-----------------|------------------|-------------------|
| 1 Keystone Technologies | 2 LED High Bay Fixture | 3 Wattage | 4 Nominal Length | 5 Frosted Lens | 6 800 Series | 7 Color Temperature | 8 0–10V Dimming | 9 Premium Series | 10 2nd Generation |

### ORDERING EXAMPLES

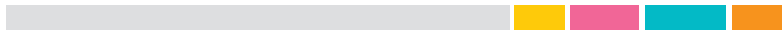
#### FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

KT-HBLED230-4F-840-VDIM-P /G2/PIR/L715P6/EM5/WG-3



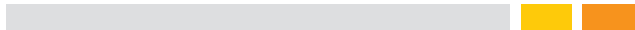
#### FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

KT-HBLED230-4F-840-VDIM-P /G2/PIR/EM5/WG-3/480



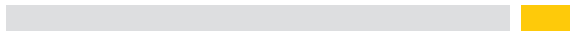
#### FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES\*

KT-HBLED230-4F-840-VDIM-P /G2/PIR/480



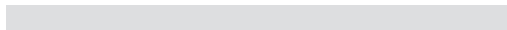
#### FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-HBLED230-4F-840-VDIM-P /G2/PIR



#### FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-HBLED230-4F-840-VDIM-P /G2



#### KEYSTONE FIXTURE

##### CATALOG NUMBER

KT-HBLED230-4F-840-VDIM-P /G2

#### SENSORS

| SUFFIX | CATALOG NUMBER |
|--------|----------------|
| ✓ /PIR | KTS-PIR2-UV-KO |

#### CORD SETS

| SUFFIX    | CATALOG NUMBER     |
|-----------|--------------------|
| ✓ /L715P6 | KT-CS-L715P-6-16/3 |

#### EMERGENCY BACKUP

| SUFFIX | CATALOG NUMBER            |
|--------|---------------------------|
| ✓ /EM5 | KT-EMRG-LED-5C-500-EN /DF |

#### MOUNTS AND BRACKETS

| SUFFIX  | CATALOG NUMBER        |
|---------|-----------------------|
| ✓ /WG-3 | KT-HBLED-WG-3-KIT /G2 |

#### STEP-DOWN TRANSFORMERS

| SUFFIX | CATALOG NUMBER       |
|--------|----------------------|
| ✓ /480 | KTAT-375-480-277 /SF |

*Note: Step-down transformers cannot be ordered in conjunction with standard SJTOW cord set options (contact Keystone sales rep for available custom options if needed).*

\* 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.