# KEYSTONE
SINCE 1945
LIGHT MADE EASY®

# XFIT | DUSK-TO-DAWN LED AREA LIGHTS

## KT-ALED40-D2D-WM-850-VDIM
### DUSK-TO-DAWN LED AREA LIGHT FIXTURES

## DESCRIPTION

40W Compact Dusk-to-Dawn LED Area Light **I**
120–277V Input **I** Gray Housing

## APPLICATION

Arm-mount or structure-mount outdoor illumination
needs (including barns, garages, parking areas,
and other general purpose or security lighting
requirements)

RoHS Compliant | UL CERTIFIED | DLC QPL LISTED PREMIUM | 5 YEAR WARRANTY | TRUSTED WARRANTY NATIONAL LIGHTING BUREAU

## PRODUCT FEATURES

- Compact design matches appearance and light distribution of legacy HID, optimized for one for one replacements
- Heavy-duty, die-cast aluminum housing with ample heat sinking for enhanced thermal performance
- 3-pin twist-lock photocell included along with integrated NEMA/ANSI C136.10 3-pin twist-lock receptacle
- Impact resistant and highly diffused poly carb lens with anti-yellowing agent, offers reduced glare for low mounting height applications
- Mounts directly to a structure OR a pole arm of 1 5/8"–2 3/8" diameter with universal clamp

- Powered by Keystone 0–10V dimming LED driver
- Ambient operating temperature: –40ºC/–40ºF to 50ºC/122ºF
- UL Certified for wet locations, IP65
- 0–10V dimming, 10% min
- Power factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25Cº/77Fº ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

## ELECTRICAL SPECIFICATIONS

| Wattage | Lumens | Efficacy | Dimming | Color Temp | CRI | Dist Type | Input Voltage | Rated Life | Legacy Equivalent | Housing Color | Additional Feature |
|---------|--------|----------|---------|-----------|-----|-----------|---------------|-----------|-------------------|---------------|--------------------|
| 40W | 6,150 lm | 154 lm/W | 0–10V | 5000K | >80 | V | 120–277V | 50,000 hrs | 175W | Gray | 3-pin twist-lock photocell included Structure-mount or arm-mount (2' curved-arm mounting pipe [sold separately]) |

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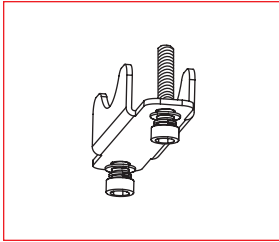**XFIT** | **DUSK-TO-DAWN LED AREA LIGHTS**

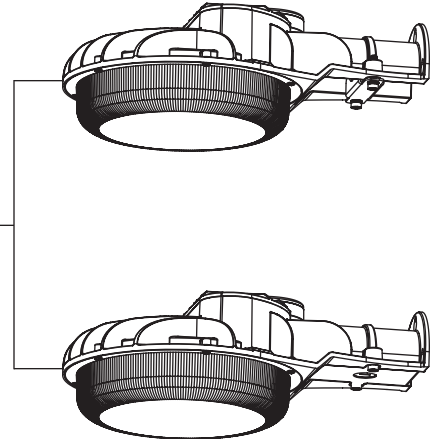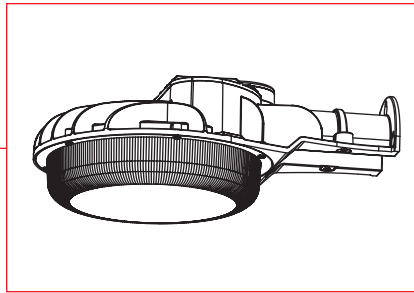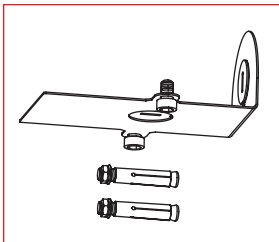## KT-ALED40-D2D-WM-850-VDIM
### DUSK-TO-DAWN LED AREA LIGHT FIXTURES

### MOUNTING OPTIONS

Two different mounting accessories are included with this fixture. Use the proper accessory for the application you choose.

**Pole Arm Mount**

**Structure Mount**



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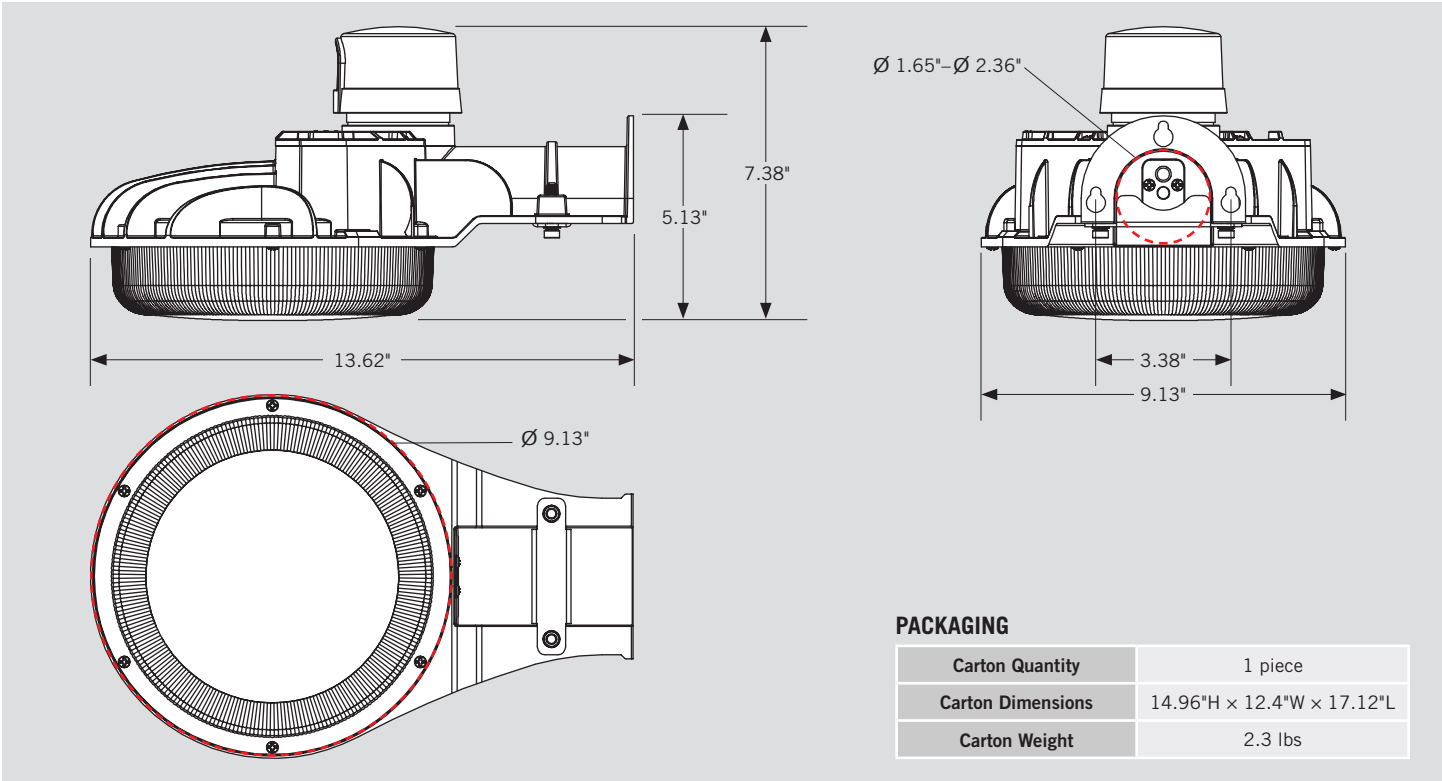### 24" CURVED POLE ARM KIT (SOLD SEPARATELY)

| Catalog Number | Description | UPC | Easy Code |
|---|---|---|---|
| KT-ALED-CA-D2D-KIT | 24" Curved Arm Mounting Pole, for Dusk-to-Dawn Area Light; Gray | 843654131665 | BFC-98 |



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**XFIT | DUSK-TO-DAWN LED AREA LIGHTS**

# KT-ALED40-D2D-WM-850-VDIM
## DUSK-TO-DAWN LED AREA LIGHT FIXTURES

## PHYSICAL SPECIFICATIONS

**ARM-MOUNT FIXTURE**



### PACKAGING

| | |
|---|---|
| **Carton Quantity** | 1 piece |
| **Carton Dimensions** | 14.96"H × 12.4"W × 17.12"L |
| **Carton Weight** | 2.3 lbs |

**24" CURVED POLE ARM** (SOLD SEPARATELY)

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**Keystone Technologies** • Philadelphia, PA • Phone (800) 464-2680 • **www.keystonetech.com**
Specifications subject to change. Last revised on 03.08.21

# KT-ALED40-D2D-WM-850-VDIM
## DUSK-TO-DAWN LED AREA LIGHT FIXTURES
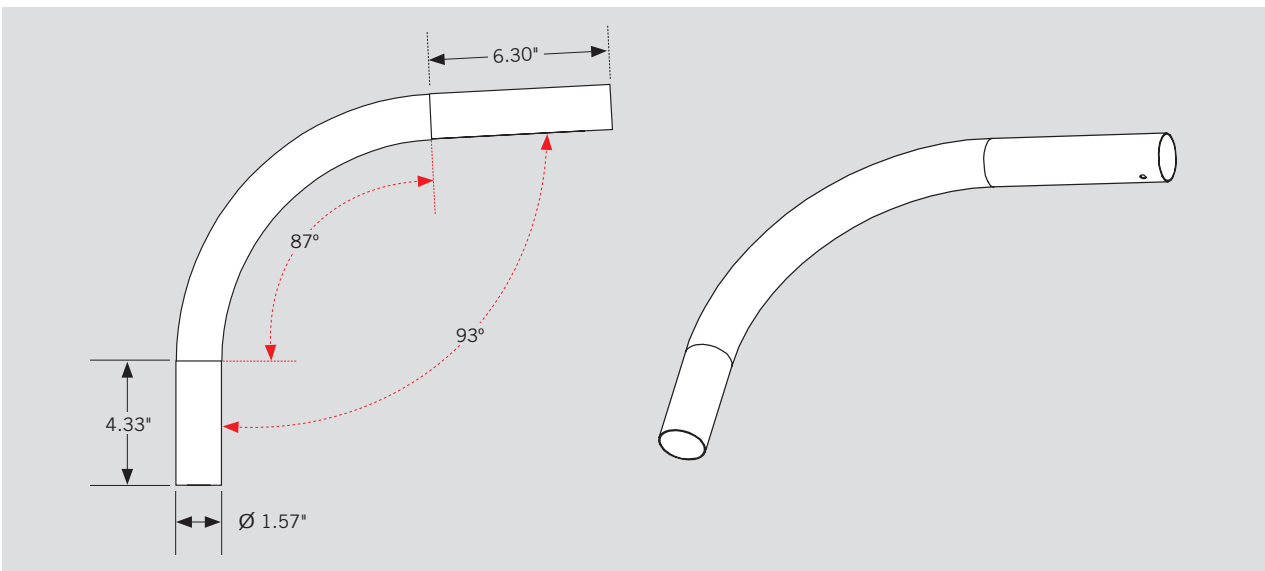
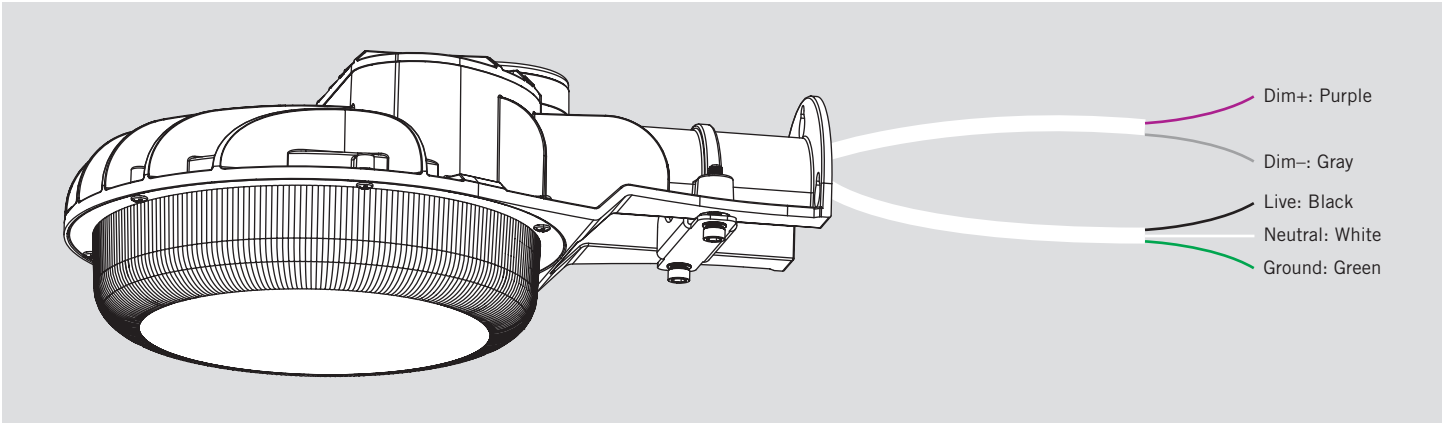**PHYSICAL SPECIFICATIONS** (continued)

**STRUCTURE-MOUNT FIXTURE**
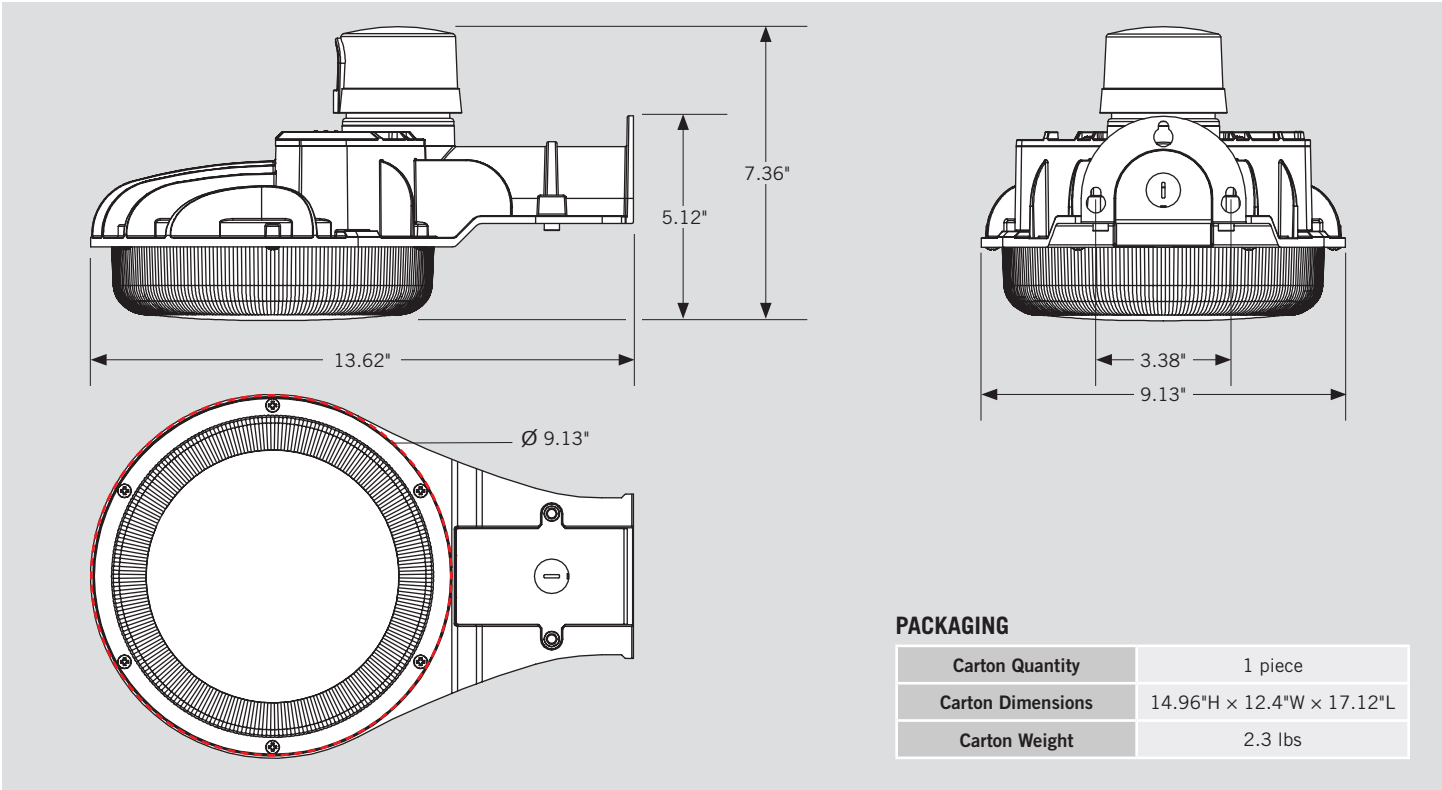


**PACKAGING**

| | |
|---|---|
| **Carton Quantity** | 1 piece |
| **Carton Dimensions** | 14.96"H × 12.4"W × 17.12"L |
| **Carton Weight** | 2.3 lbs |

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# KT-ALED40-D2D-WM-850-VDIM
## DUSK-TO-DAWN LED AREA LIGHT FIXTURES

## WIRING DIAGRAM



Dim+: Purple
Dim–: Gray
Live: Black
Neutral: White
Ground: Green
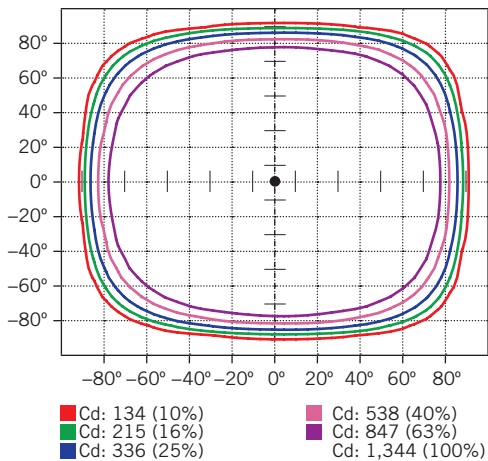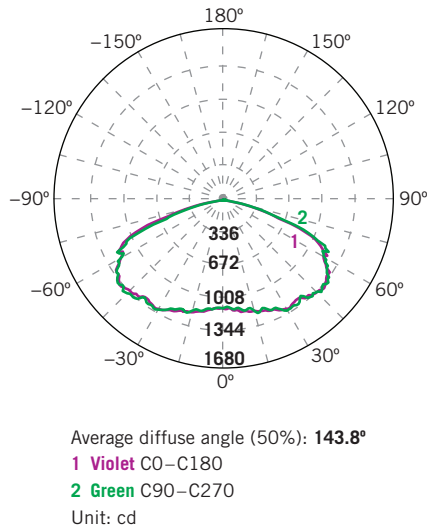
- This fixture comes pre-wired with a 3-pin Twist-Lock Receptacle. Make input connections as needed and ensure connections are protected from exposure to the elements.
- Input voltage rating: 120–277V
- Ensure that input voltage on site matches the fixture you intend to install.

## PHOTOMETRIC SPECIFICATIONS

### ISOCANDELA PLOT



Cd: 134 (10%)
Cd: 215 (16%)
Cd: 336 (25%)
Cd: 538 (40%)
Cd: 847 (63%)
Cd: 1,344 (100%)

### LUMINOUS INTENSITY DISTRIBUTION



180°
−150°    150°
−120°    120°
−90°    90°
336
672
1008
1344
1680
−60°    60°
−30°    30°
0°

Average diffuse angle (50%): **143.8°**
1  **Violet** C0–C180
2  **Green** C90–C270
Unit: cd

### FLUX DISTRIBUTION

| Zone | Lumens | % Luminaire |
|---|---|---|
| **Forward Light** | 2,768 lm | 49.1% |
| 0°–30° | 489 lm | 8.7% |
| 30°–60° | 1,453 lm | 25.8% |
| 60°–80° | 786 lm | 13.9% |
| 80°–90° | 40 lm | 0.7% |
| **Back Light** | 2,783 lm | 49.4% |
| 0°–30° | 491 lm | 8.7% |
| 30°–60° | 1,465 lm | 26.0% |
| 60°–80° | 786 lm | 13.9% |
| 80°–90° | 42 lm | 0.7% |
| **Up Light** | 84 lm | 1.5% |
| 90°–100° | 28 lm | 0.5% |
| 100°–180° | 56 lm | 1.0% |

| BUG* Rating | |
|---|---|
| **Asymmetrical Luminare Types** | |
| Type I, II, III, IV | B2 U3 G2 |
| **Quadrilateral Symmetrical Luminare Types** | |
| Type V, Area Light | B3 U3 G1 |

* **B**acklight, **U**plight, **G**lare

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## XFIT | DUSK-TO-DAWN LED AREA LIGHTS

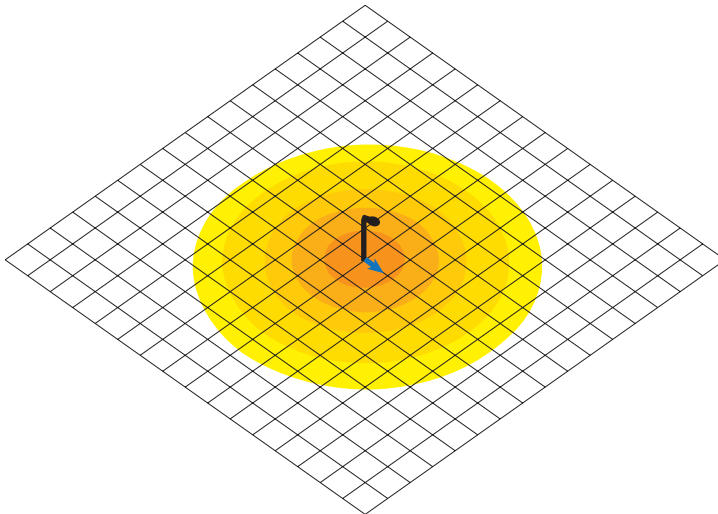# KT-ALED40-D2D-WM-850-VDIM
## DUSK-TO-DAWN LED AREA LIGHT FIXTURES

## LIGHT DISTRIBUTION PATTERN (TYPE 5 [V])

### DUSK-TO-DAWN

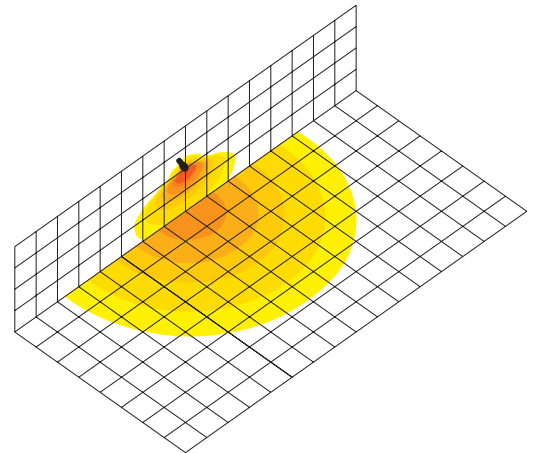• Photometric layout for general reference only
• Grid dimension: 10 × 10 sq ft

| | |
|---|---|
| 0.1 fc | |
| 0.2 fc | |
| 0.5 fc | |
| 1.0 fc | |
| 2.0 fc | |
| 5.0 fc | |
| 10.0 fc | |

Arm-mount view from above; Area light mounted at 20'

Structure-mount view from above; Area light mounted at 20'



## ORDERING INFORMATION

| ORDER CODE | PACK QTY. | UPC | Easy Code |
|---|---|---|---|
| KT-ALED40-D2D-WM-850-VDIM | 1 | 843654131610 | PUB-99 |

## CATALOG NUMBER BREAKDOWN

# KT-ALED40-D2D-WM-850-VDIM
1   2   3   4     5     6    7  8     9

**1** Keystone Technologies
**2** Fixture Type
**3** LED Technology
**4** Wattage
**5** Size/Shape
**6** Mounting
**7** CRI
**8** Color Temp
**9** Dimming

**2 Fixture Type**

| A | Area Light |
|---|---|

**6 Mounting**

| WM | Wall Mount |
|---|---|

**8 Color Temp**

| 50 | 5000K |
|---|---|

**5 Size/Shape**

| D2D | Dusk-to-Dawn Housing |
|---|---|

**7 CRI**

| 8 | >80 |
|---|---|

**9 Dimming**

| VDIM | 0–10V |
|---|---|