



# KT-WDLED14PS-6X-9CSF-VDIM

## 6" LED WAFER DOWNLIGHT

### DESCRIPTION

6" LED Wafer Downlight |  
 Power Select Technology | Color Select Technology |  
 Remote Driver with Built-in Junction Box

### APPLICATION

Ideal for residential, hospitality, retail, office, and other retrofit and new construction applications



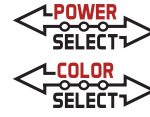
### PRODUCT FEATURES

- Keystone Power Select and Color Select technologies offer SKU reduction and allow for easy, on-the-job adjustments
- Utilizes a remote driver with built-in junction box and quick disconnect; Eliminates the need for a traditional, multi-piece fixture setup
- CEC Compliant Flicker Rate (CEC JA10 std.)
- Ideal for new construction, remodel, and retrofit applications
- Flat body allows fit for shallow ceilings
- Edge-lit LED technology provides even illumination
- Interchangeable trims available in matte black, brushed nickel, and bronze
- Powered by Keystone 0–10V dimming LED driver; 10–100% dimming
- Ambient operating temperature: –30°C/–22°F to 40°C/104°F
- Suitable for use in wet locations
- Airtight and Type IC-rated
- Power factor: >0.90
- THD: <20%
- LED chip lifetime: L70 >80,000 hrs @ 25°C/77°F ambient fixture temp
- FCC Part 15, Subpart B, Class A

### PERFORMANCE SPECIFICATIONS

| Catalog Number            | Input Voltage | Wattage (Selectable) | CCT (Selectable)* | Lumen Output | Efficacy | CRI | Power Factor | Beam Angle | Lifetime   |
|---------------------------|---------------|----------------------|-------------------|--------------|----------|-----|--------------|------------|------------|
| KT-WDLED14PS-6A-9CSF-VDIM | 120-277V      | 14W                  | 2700K             | 1,200        | 86 lm/W  | >90 | >0.9         | 110°       | 50,000 hrs |
|                           |               |                      | 3000K             | 1,230        | 88 lm/W  |     |              |            |            |
|                           |               |                      | 3500K             | 1,270        | 91 lm/W  |     |              |            |            |
|                           |               |                      | 4000K             | 1,290        | 92 lm/W  |     |              |            |            |
|                           |               |                      | 5000K             | 1,275        | 91 lm/W  |     |              |            |            |
|                           |               | 12W                  | 2700K             | 1,000        | 83 lm/W  |     |              |            |            |
|                           |               |                      | 3000K             | 1,030        | 86 lm/W  |     |              |            |            |
|                           |               |                      | 3500K             | 1,065        | 89 lm/W  |     |              |            |            |
|                           |               |                      | 4000K             | 1,080        | 90 lm/W  |     |              |            |            |
|                           |               |                      | 5000K             | 1,070        | 89 lm/W  |     |              |            |            |
|                           |               | 10W                  | 2700K             | 850          | 85 lm/W  |     |              |            |            |
|                           |               |                      | 3000K             | 875          | 88 lm/W  |     |              |            |            |
|                           |               |                      | 3500K             | 905          | 91 lm/W  |     |              |            |            |
|                           |               |                      | 4000K             | 925          | 93 lm/W  |     |              |            |            |
|                           |               |                      | 5000K             | 910          | 91 lm/W  |     |              |            |            |

\*Preset to highest CCT: 5000K  
 Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017



# KT-WDLED14PS-6X-9CSF-VDIM

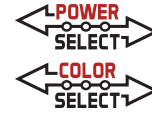
## 6" LED WAFER DOWNLIGHT

**PERFORMANCE SPECIFICATIONS (CONTINUED)**

| Catalog Number            | Input Voltage | Wattage (Selectable) | CCT (Selectable)* | Lumen Output | Efficacy | CRI | Power Factor | Beam Angle | Lifetime   |
|---------------------------|---------------|----------------------|-------------------|--------------|----------|-----|--------------|------------|------------|
| KT-WDLED14PS-6B-9CSF-VDIM | 120-277V      | 14W                  | 2700K             | 1,150        | 82 lm/W  | >90 | >0.9         | 110°       | 50,000 hrs |
|                           |               |                      | 3000K             | 1,175        | 84 lm/W  |     |              |            |            |
|                           |               |                      | 3500K             | 1,200        | 86 lm/W  |     |              |            |            |
|                           |               |                      | 4000K             | 1,220        | 87 lm/W  |     |              |            |            |
|                           |               |                      | 5000K             | 1,205        | 86 lm/W  |     |              |            |            |
|                           |               | 12W                  | 2700K             | 980          | 82 lm/W  |     |              |            |            |
|                           |               |                      | 3000K             | 1,010        | 84 lm/W  |     |              |            |            |
|                           |               |                      | 3500K             | 1,040        | 87 lm/W  |     |              |            |            |
|                           |               |                      | 4000K             | 1,070        | 89 lm/W  |     |              |            |            |
|                           |               |                      | 5000K             | 1,045        | 87 lm/W  |     |              |            |            |
|                           |               | 10W                  | 2700K             | 820          | 82 lm/W  |     |              |            |            |
|                           |               |                      | 3000K             | 840          | 84 lm/W  |     |              |            |            |
|                           |               |                      | 3500K             | 865          | 87 lm/W  |     |              |            |            |
|                           |               |                      | 4000K             | 885          | 89 lm/W  |     |              |            |            |
|                           |               |                      | 5000K             | 870          | 87 lm/W  |     |              |            |            |

\*Preset to highest CCT: 5000K

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



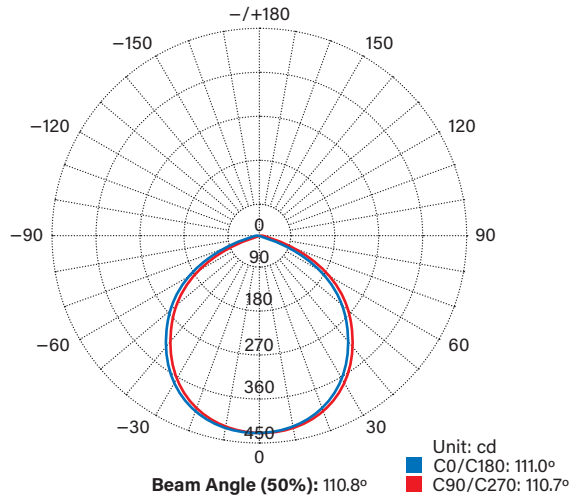
# KT-WDLED14PS-6X-9CSF-VDIM

## 6" LED WAFER DOWNLIGHT

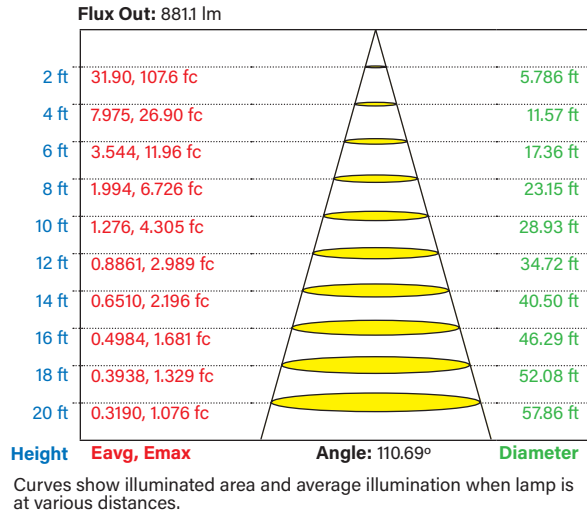
### PHOTOMETRIC SPECIFICATIONS

#### KT-WDLED14PS-6A-9CSF-VDIM

#### POLAR CANDELA DISTRIBUTION

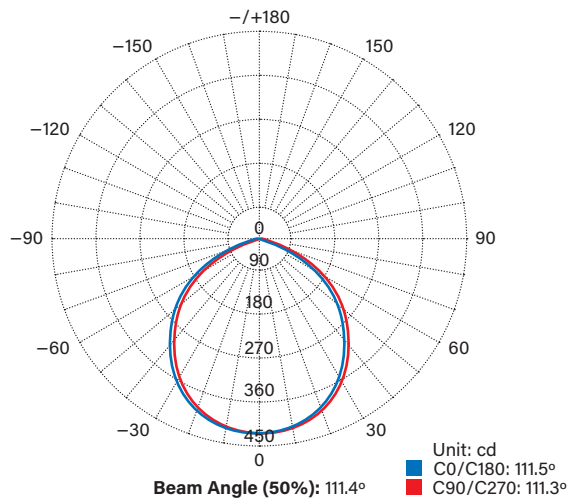


#### LUX DISTANCE CURVE

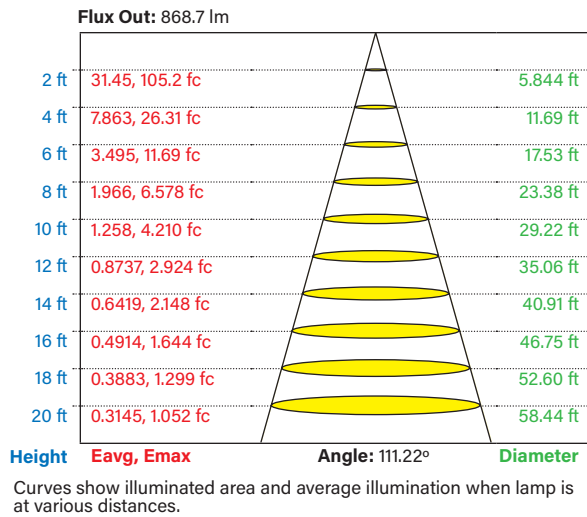


#### KT-WDLED14PS-6B-9CSF-VDIM

#### POLAR CANDELA DISTRIBUTION



#### LUX DISTANCE CURVE

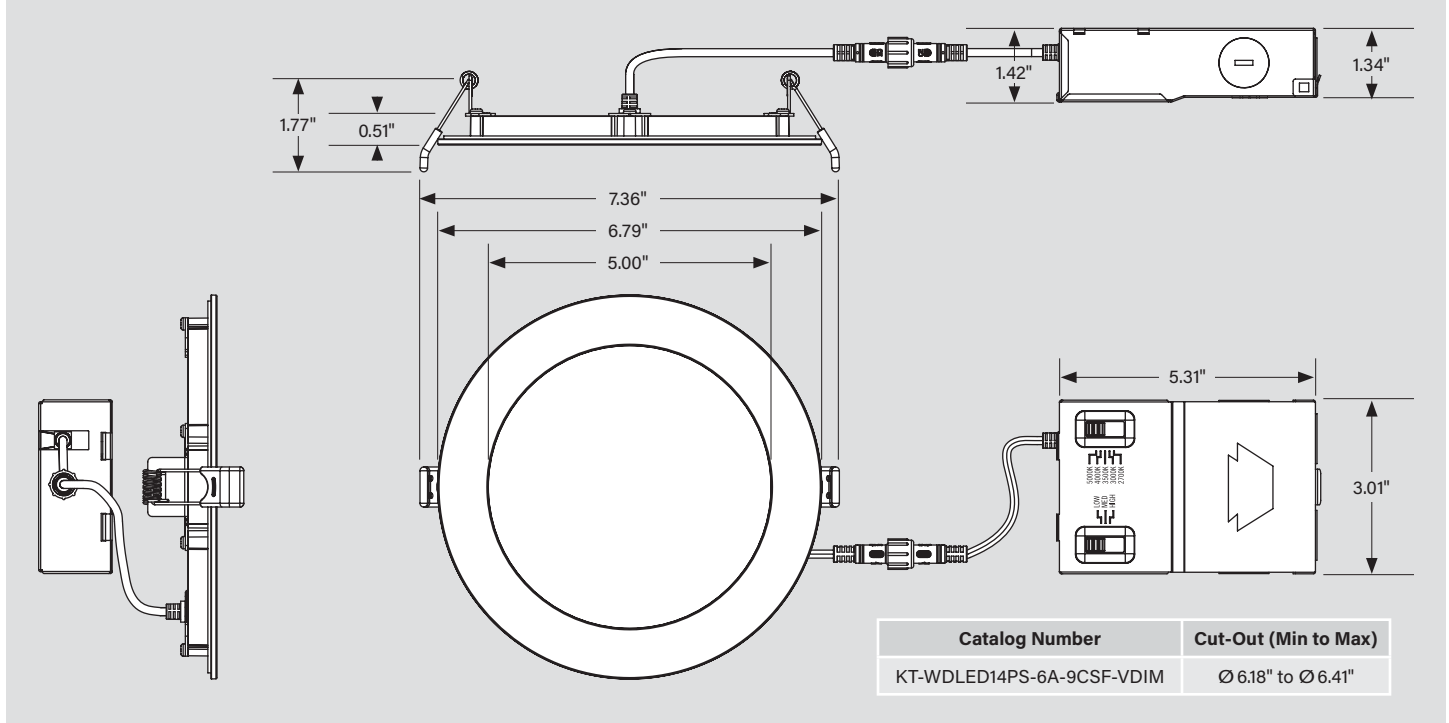


# KT-WDLED14PS-6X-9CSF-VDIM

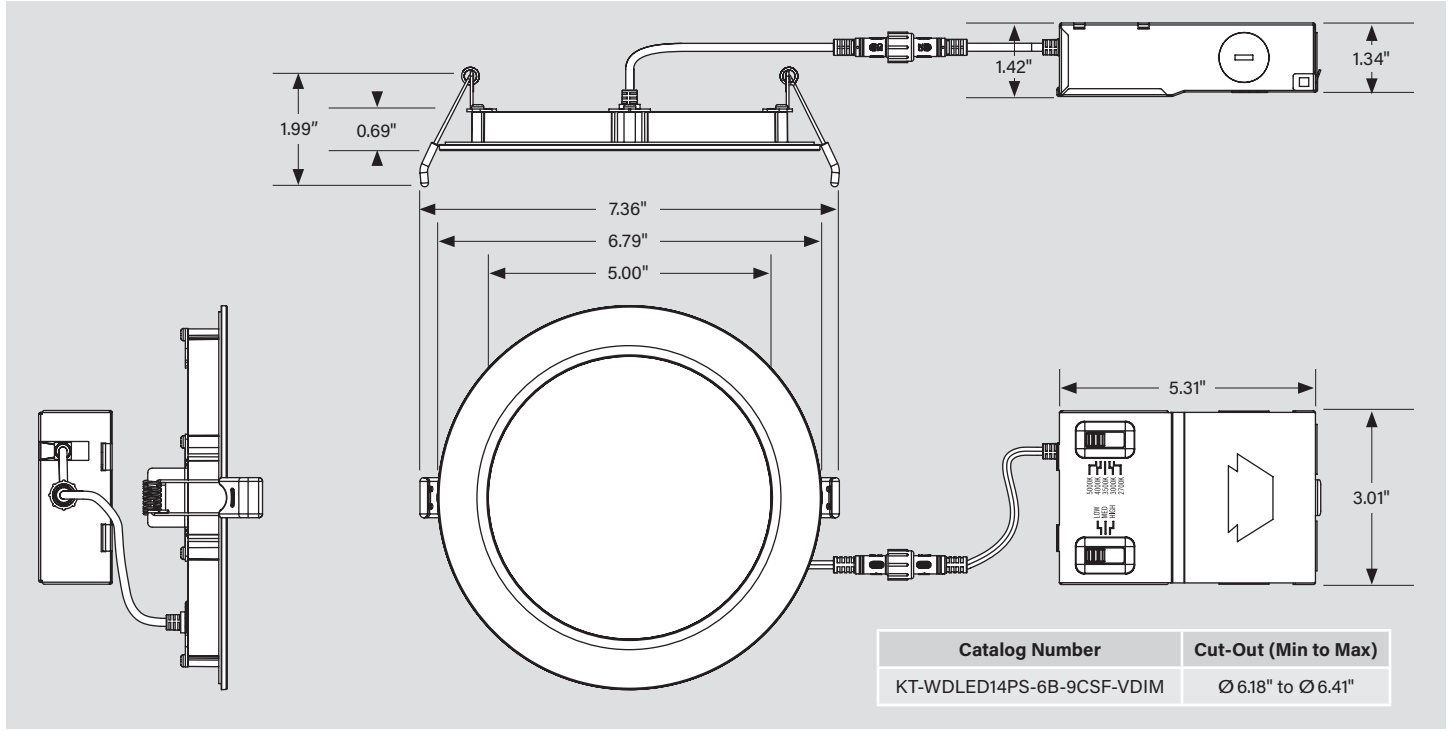
## 6" LED WAFER DOWNLIGHT

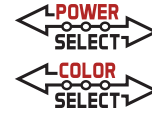
### PHYSICAL SPECIFICATIONS

#### KT-WDLED14PS-6A-9CSF-VDIM



#### KT-WDLED14PS-6B-9CSF-VDIM





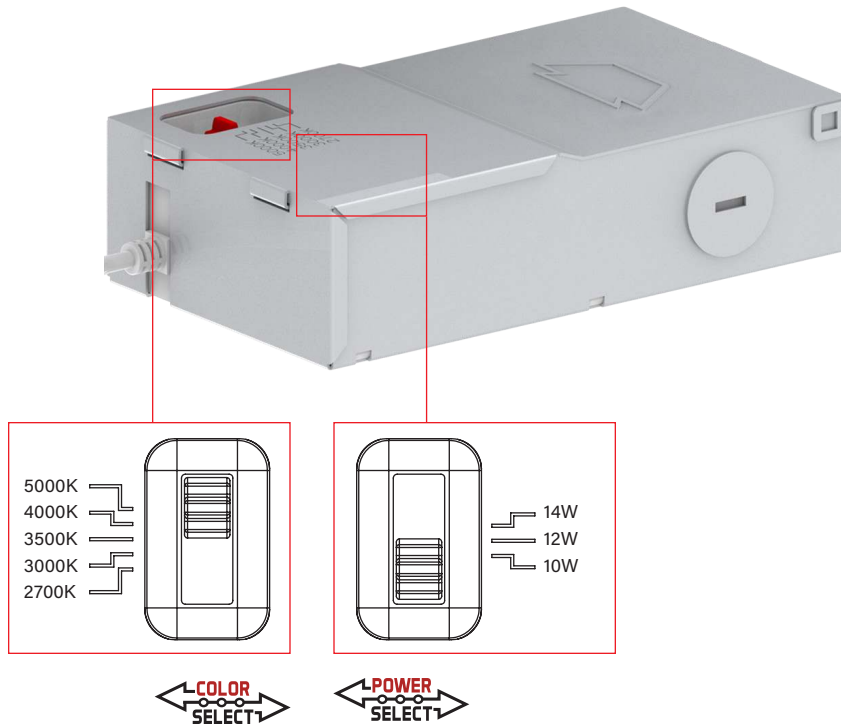
# KT-WDLED14PS-6X-9CSF-VDIM

## 6" LED WAFER DOWNLIGHT

### POWER SELECT (WATTAGE) AND COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

1. Ensure power is off to the fixture.
2. Adjust dip switches to desired settings.



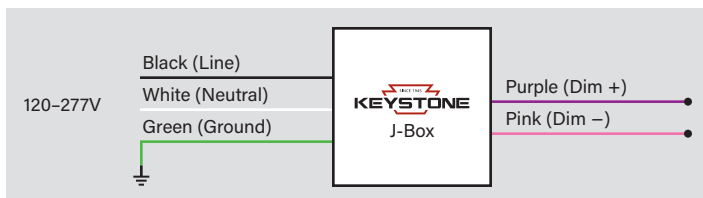
#### COLOR SELECT ADJUSTMENT SWITCH

Set dip switch to adjust CCT between 2700K, 3000K, 3500K, 4000K, and 5000K. Fixture comes preset at 5000K.

#### POWER SELECT ADJUSTMENT SWITCH

Set dip switch to adjust wattage between 10W, 12W, and 14W. Fixture comes preset at 14W.

### WIRING DIAGRAM



# KT-WDLED14PS-6X-9CSF-VDIM

## 6" LED WAFER DOWNLIGHT

### INSTALLATION INSTRUCTIONS

#### RETROFIT INSTALLATION

- 1. Shut off power at the source of the fixture housing into which you are installing fixture.**

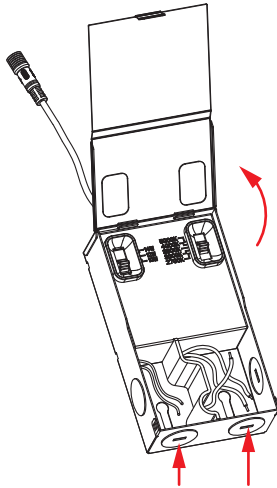
Remove existing trim, CFL or incandescent bulb.

*Note:* Follow all federal and local regulations when disposing of lamps and removed components.

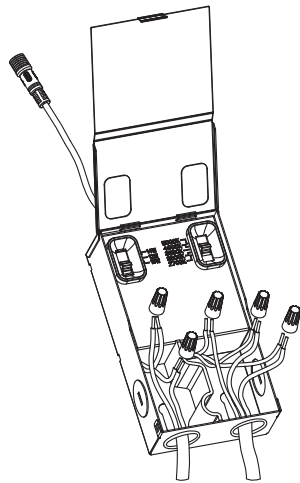
- 2. Measure ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see *Dimensions* on page 2).**

- 3. Select desired Wattage and CCT using adjustment switches on fixture (see *Power Select (Wattage) and Color Select (CCT) Adjustment* on page 3).**

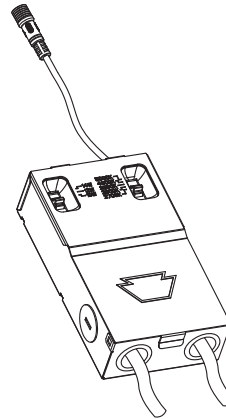
- 4. Open the driver box and remove the knockout(s) (KO).**



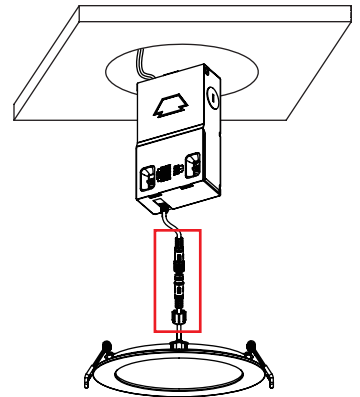
- 5. Insert the electrical supply cable through the KO; use appropriate bushing to prevent wire abrasion. Wire driver box (see *Wiring Diagram* on page 3 and illustration below).\***



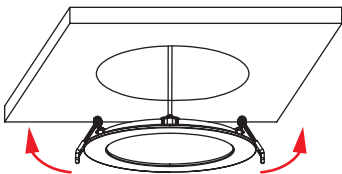
- 6. Place all wiring and connections back into the box and close the cover.**



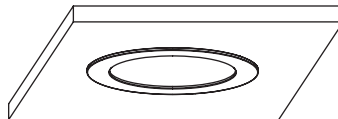
- 7. Insert driver box into ceiling in accordance with local/national codes and connect the male and female threaded connectors. Screw threaded nut over connectors to secure.**



- 8. Lifting both retention tabs upward, push the fixture into the hole until trim sits flush with ceiling.**



- 9. Restore power when ready.**



\* Keystone offers an optional cable accessory to assist with wiring to existing fixture J-box. See KT-MC-NP-1-18/3, Optional Accessories (sold separately) on page 6.

(Installation Instructions continued on next page)

# KT-WDLED14PS-6X-9CSF-VDIM

## 6" LED WAFER DOWNLIGHT

### INSTALLATION INSTRUCTIONS (CONTINUED)

#### NEW-CONSTRUCTION INSTALLATION\*

**1. Shut off power at the source of the fixture housing into which you are installing fixture.**

**2.** Using installation hole template, create ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see *Dimensions* on page 2).

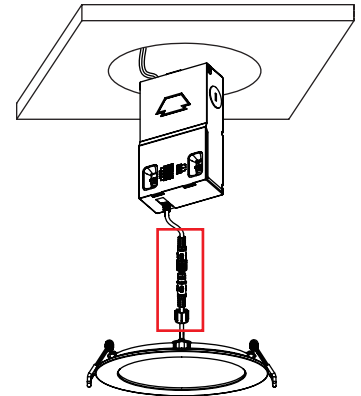
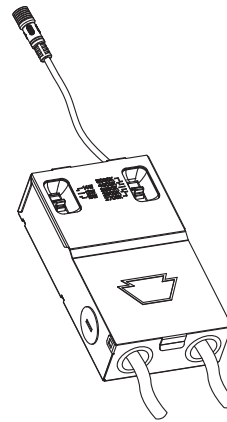
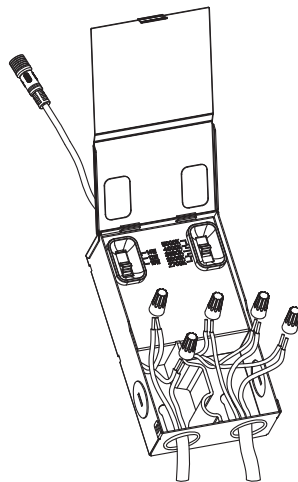
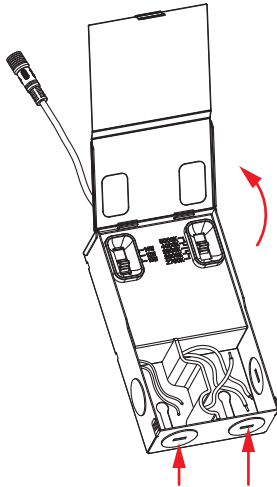
**3.** Select desired Wattage and CCT using adjustment switches on fixture (see *Power Select (Wattage) and Color Select (CCT) Adjustment* on page 3).

**4.** Open the driver box and remove the knockout(s) (KO).

**5.** Insert the electrical supply cable through the KO; use appropriate bushing to prevent wire abrasion. Wire driver box (see *Wiring Diagram* on page 3 and illustration below).\*

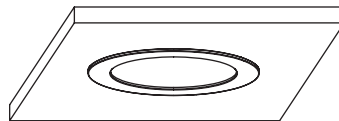
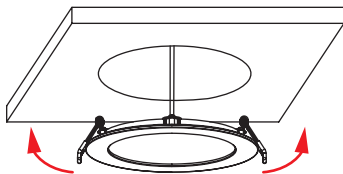
**6.** Place all wiring and connections back into the box and close the cover.

**7.** Insert driver box into ceiling in accordance with local/national codes and connect the male and female connectors. Screw threaded nut over connectors to secure.

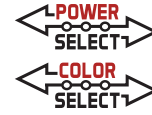


**8.** Lifting both retention tabs upward, push the fixture into the hole until trim sits flush with ceiling.

**9.** Restore power when ready.



\* Keystone offers an optional cable accessory to assist with wiring to existing fixture J-box. See KT-MC-NP-1-18/3, Optional Accessories (sold separately) on page 6.



# KT-WDLED14PS-6X-9CSF-VDIM

## 6" LED WAFER DOWNLIGHT

**OPTIONAL ACCESSORIES (SOLD SEPARATELY)**

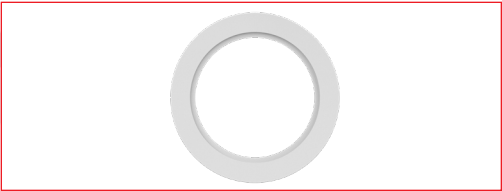
**INTERCHANGEABLE TRIM**

| Catalog Number      | Description   | UPC          | Easy Code |
|---------------------|---|--------------|-----------|
| KT-WDLED-6A-MB-TRIM | 6" Interchangeable Trim for 6A LED Slim Wafer Downlight; Matte Black        | 843654139326 | IFV-73    |
| KT-WDLED-6A-BN-TRIM | 6" Interchangeable Trim for 6A LED Slim Wafer Downlight; Brushed Nickel     | 843654139357 | PJM-11    |
| KT-WDLED-6A-BR-TRIM | 6" Interchangeable Trim for 6A LED Slim Wafer Downlight; Bronze             | 843654139388 | RXK-07    |
| KT-WDLED-6B-MB-TRIM | 6" Interchangeable Trim for 6B LED Recessed Wafer Downlight; Matte Black    | 843654139425 | WDA-66    |
| KT-WDLED-6B-BN-TRIM | 6" Interchangeable Trim for 6B LED Recessed Wafer Downlight; Brushed Nickel | 843654139456 | SDC-23    |
| KT-WDLED-6B-BR-TRIM | 6" Interchangeable Trim for 6B LED Recessed Wafer Downlight; Bronze         | 843654139487 | HEB-17    |



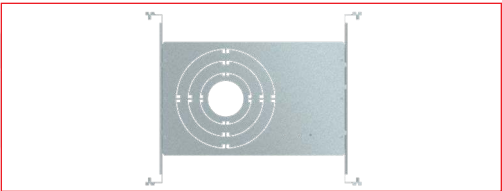
**GOOF RING**

| Catalog Number    | Description   | UPC          | Easy Code |
|-------------------|---|--------------|-----------|
| KT-WDLED-6AB-GOOF | Goof Ring for 6A/6B LED Wafer Downlights; 8" outer diameter | 843654139654 | MKE-35    |



**NEW-CONSTRUCTION PLATE**

| Catalog Number   | Description   | UPC          | Easy Code |
|------------------|---|--------------|-----------|
| KT-WDLED-PLATE-2 | New Construction Mounting Plate for all A and B LED Wafer Downlights for joist and T-grid installations | 843654139791 | FZT-71    |



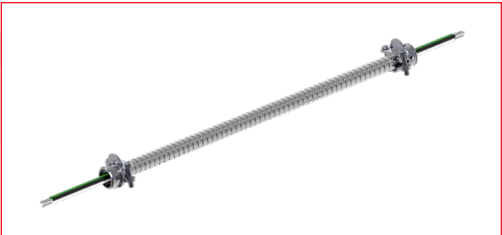
**EXTENSION CABLES**

| Catalog Number | Description                                 | UPC          | Easy Code |
|----------------|---|--------------|-----------|
| KT-WDLED-EC-6  | 6' Extension Cord for LED Wafer Downlights  | 843654139739 | GOK-14    |
| KT-WDLED-EC-12 | 12' Extension Cord for LED Wafer Downlights | 843654139746 | ECE-88    |
| KT-WDLED-EC-20 | 20' Extension Cord for LED Wafer Downlights | 843654139753 | JLM-06    |

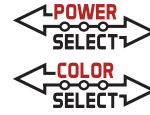


**METAL-CLAD CABLE**

| Catalog Number  | Description   | UPC          | Easy Code |
|-----------------|---|--------------|-----------|
| KT-MC-NP-1-18/3 | Metal-Clad Cable for LED Recessed Downlights; No plug; UL 16AWG 18/3 wire (live, neutral, ground) | 843654139777 | AYT-71    |



(Optional Accessories continued on next page)



# KT-WDLED14PS-6X-9CSF-VDIM

## 6" LED WAFER DOWNLIGHT

**OPTIONAL ACCESSORIES (SOLD SEPARATELY) (CONTINUED)**

**EMERGENCY PACK**

| Catalog Number              | Description  | UPC          | Easy Code |
|-----------------------------|--|--------------|-----------|
| KT-EMRG-LED-12-1200-AC / DF | LED Emergency Backup, 12W - 1200 Lumen Constant Power Design, 120-277V Input, Dual Flex Cable Design. Installs on Primary Side of AC Powered LED load. | 843654139890 | MPM-43    |



**ORDERING INFORMATION**

| Catalog Number            | Pack Qty. | UPC          | Easy Code |
|---------------------------|-----------|--------------|-----------|
| KT-WDLED14PS-6A-9CSF-VDIM | 1         | 843654139197 | VDZ-85    |
| KT-WDLED14PS-6B-9CSF-VDIM | 1         | 843654139234 | EQA-80    |

**CATALOG NUMBER BREAKDOWN**

# KT-WDLED14PS-6XX-9CSF-VDIM

|                                    |                       |                 |          |          |               |                                   |          |          |                                    |                   |
|------------------------------------|-----------------------|-----------------|----------|----------|---------------|-----------------------------------|----------|----------|------------------------------------|-------------------|
| <b>1</b>                           | <b>2</b>              | <b>3</b>        | <b>4</b> | <b>5</b> | <b>6</b>      | <b>7</b>                          | <b>8</b> | <b>9</b> | <b>10</b>                          | <b>11</b>         |
| <b>1 Keystone Technologies</b>     | <b>2 Fixture Type</b> |                 |          |          | <b>6 Size</b> |                                   |          |          | <b>7 Style/Design Designation</b>  |                   |
| <b>2 Fixture Type</b>              | WD                    | Wafer Downlight |          |          | 6             | 6" Nominal                        |          |          | A                                  | Smooth            |
| <b>3 LED Technology</b>            |                       |                 |          |          |               |                                   |          |          | B                                  | Recessed          |
| <b>4 Maximum Wattage</b>           |                       |                 |          |          |               |                                   |          |          |                                    |                   |
| <b>5 Power Select Technology</b>   |                       |                 |          |          |               |                                   |          |          |                                    |                   |
| <b>6 Size</b>                      |                       |                 |          |          |               |                                   |          |          |                                    |                   |
| <b>7 Style/Design Designation</b>  |                       |                 |          |          |               |                                   |          |          |                                    |                   |
| <b>8 CRI</b>                       |                       |                 |          |          |               |                                   |          |          | <b>10 Color Select Designation</b> | <b>11 Dimming</b> |
| 9                                  | 90                    |                 |          |          | F             | 2700K, 3000K, 3500K, 4000K, 5000K |          |          | VDIM                               | 0-10V Dimming     |
| <b>9 Color Select Technology</b>   |                       |                 |          |          |               |                                   |          |          |                                    |                   |
| <b>10 Color Select Designation</b> |                       |                 |          |          |               |                                   |          |          |                                    |                   |
| <b>11 Dimming</b>                  |                       |                 |          |          |               |                                   |          |          |                                    |                   |