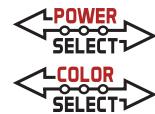




CIRCA



# KT-WDLED23PS-8X-9CSF-VDIM

## 8" LED WAFER DOWNLIGHT

### DESCRIPTION

8" 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



5 YEAR WARRANTY



### PRODUCT FEATURES

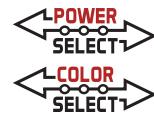
- Keystone Power Select and Color Select technologies offer SKU reduction and allow for easy, on-the-job adjustments
- Utilizes a remote driver with built-in junction box and quick disconnect; Eliminates the need for a traditional, multi-piece fixture setup
- CEC Compliant Flicker Rate (CEC JA10 std.)
- 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-WDLED23PS-8A-9CSF-VDIM	120-277V	23W	2700K	1,873	84 lm/W	>90	>0.9	110°	50,000 hrs
			3000K	1,943	88 lm/W				
			3500K	2,087	97 lm/W				
			4000K	2,121	98 lm/W				
			5000K	2,078	93 lm/W				
		18W	2700K	1,504	89 lm/W				
			3000K	1,544	92 lm/W				
			3500K	1,626	98 lm/W				
			4000K	1,646	99 lm/W				
			5000K	1,635	97 lm/W				
		14W	2700K	1,165	88 lm/W				
			3000K	1,186	90 lm/W				
			3500K	1,215	94 lm/W				
			4000K	1,224	94 lm/W				
			5000K	1,187	90 lm/W				

\*Preset to highest CCT: 5000K

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



## KT-WDLED23PS-8X-9CSF-VDIM

8" LED WAFER DOWNLIGHT

### PERFORMANCE SPECIFICATIONS (CONTINUED)

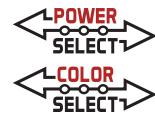
Catalog Number	Input Voltage	Wattage (Selectable)	CCT (Selectable)*	Lumen Output	Efficacy	CRI	Power Factor	Beam Angle	Lifetime
KT-WDLED23PS-8B-9CSF-VDIM	120-277V	23W	2700K	1,873	84 lm/W	>90	>0.9	110°	50,000 hrs
			3000K	1,943	88 lm/W				
			3500K	2,087	97 lm/W				
			4000K	2,121	98 lm/W				
			5000K	2,081	93 lm/W				
		18W	2700K	1,504	89 lm/W				
			3000K	1,544	92 lm/W				
			3500K	1,626	98 lm/W				
			4000K	1,646	99 lm/W				
			5000K	1,635	97 lm/W				
		14W	2700K	1,165	88 lm/W				
			3000K	1,186	90 lm/W				
			3500K	1,215	94 lm/W				
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\*Preset to highest CCT: 5000K

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



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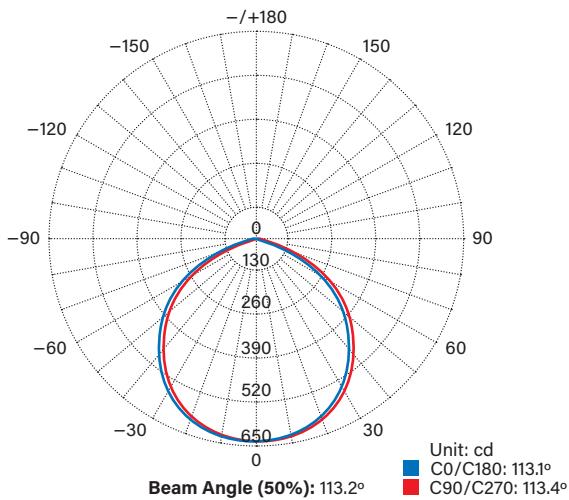
# KT-WDLED23PS-8X-9CSF-VDIM

## 8" LED WAFER DOWNLIGHT

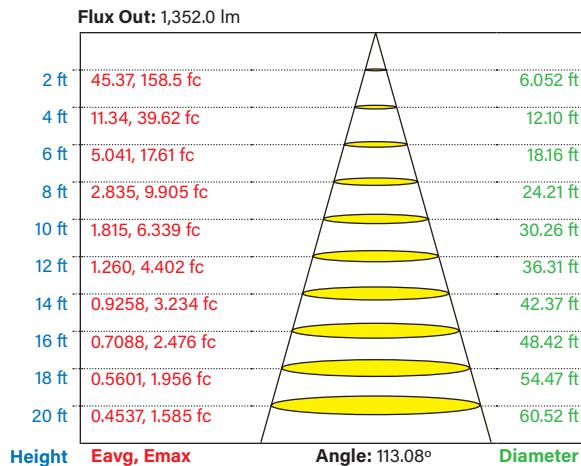
### PHOTOMETRIC SPECIFICATIONS

KT-WDLED23PS-8A-9CSF-VDIM

#### POLAR CANDELA DISTRIBUTION

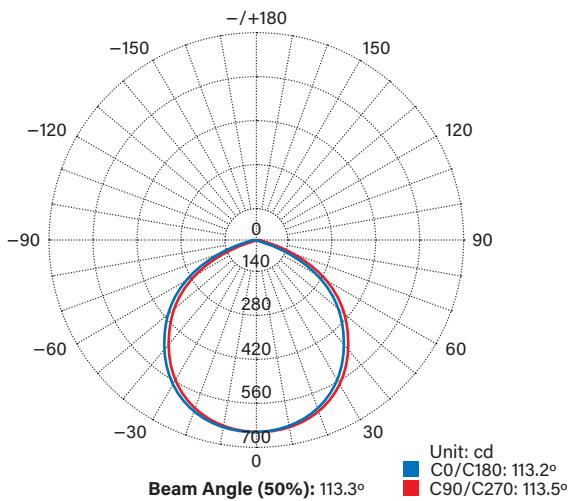


#### LUX DISTANCE CURVE

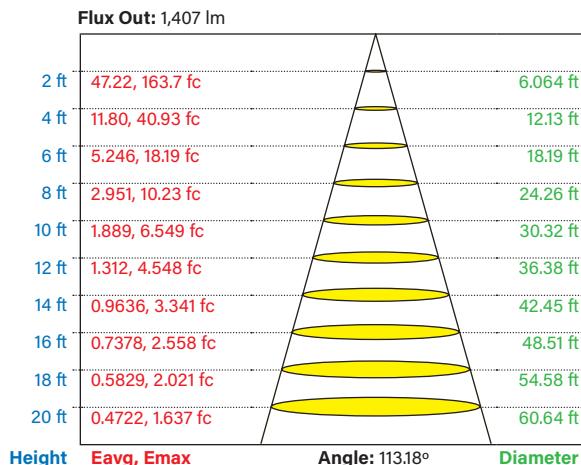


KT-WDLED23PS-8B-9CSF-VDIM

#### POLAR CANDELA DISTRIBUTION

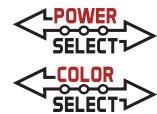


#### LUX DISTANCE CURVE





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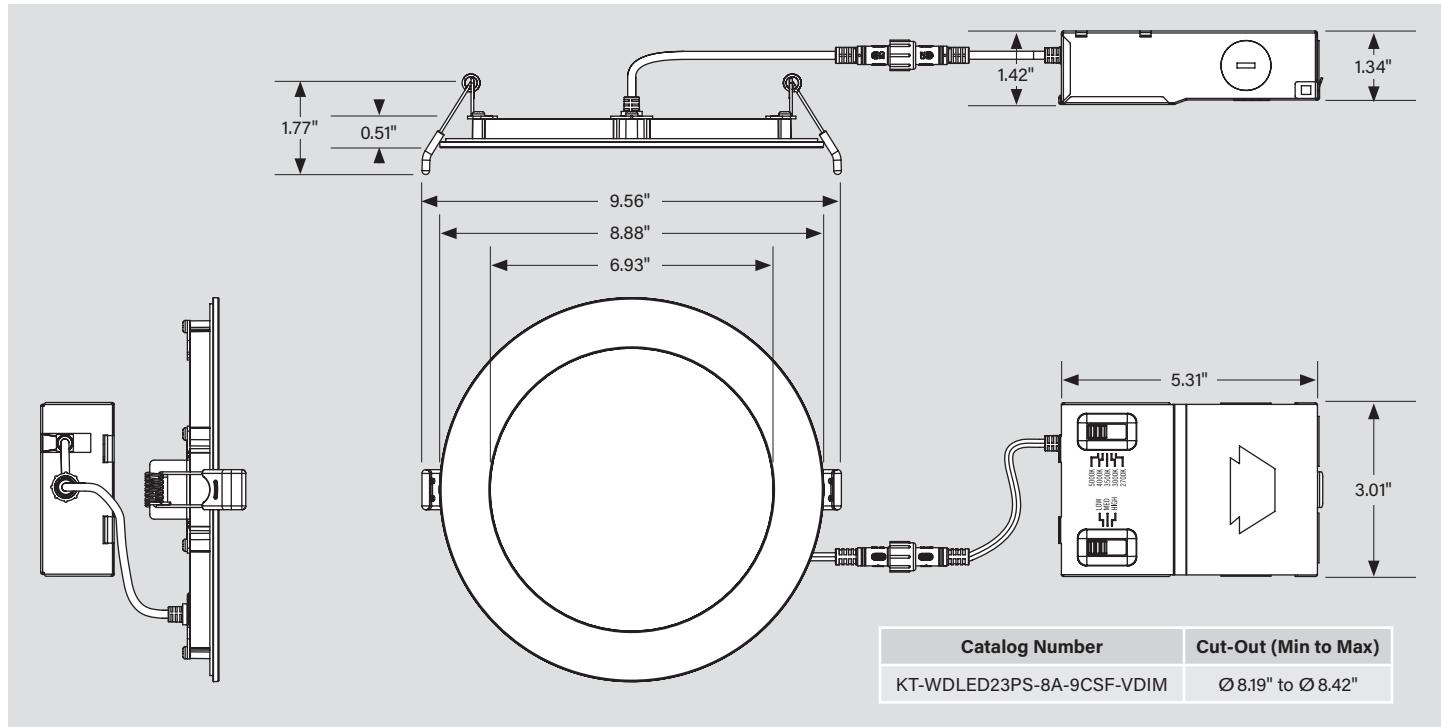


## KT-WDLED23PS-8X-9CSF-VDIM

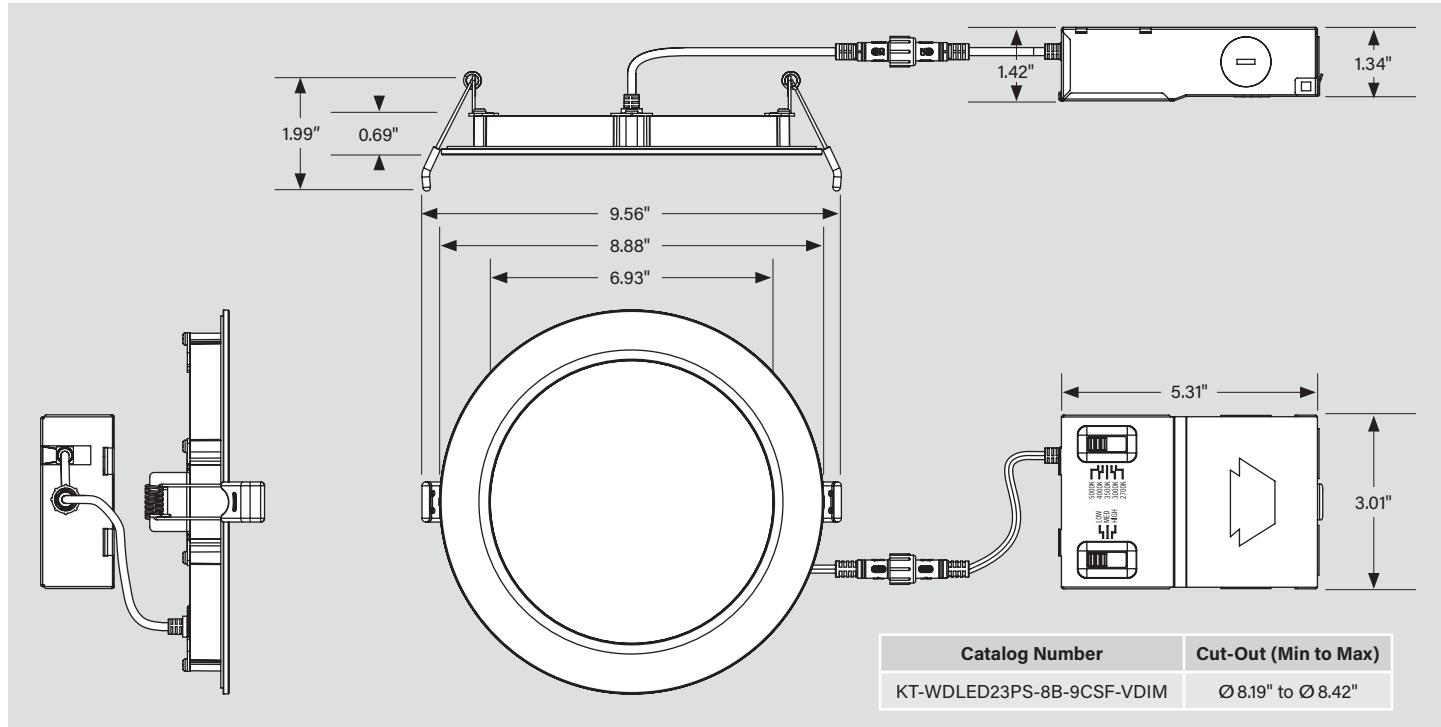
8" LED WAFER DOWNLIGHT

### PHYSICAL SPECIFICATIONS

KT-WDLED23PS-8A-9CSF-VDIM

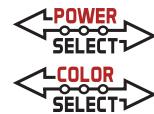


KT-WDLED23PS-8B-9CSF-VDIM





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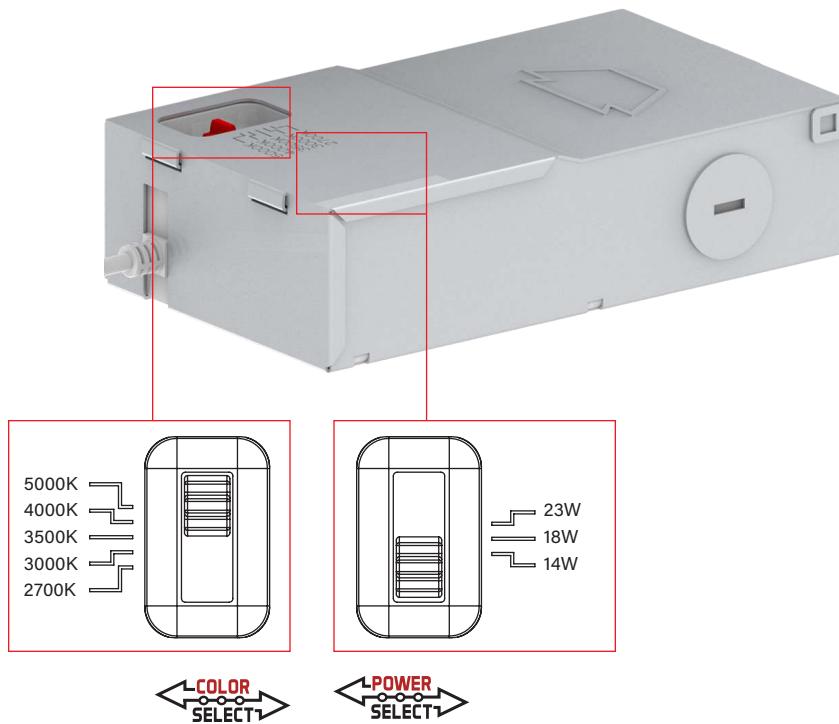
# KT-WDLED23PS-8X-9CSF-VDIM

## 8" 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.

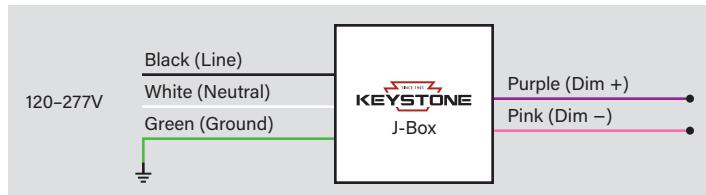
1. Ensure power is off to the fixture.
2. Adjust dip switches to desired settings.



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

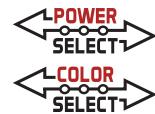
**POWER SELECT ADJUSTMENT SWITCH**  
Set dip switch to adjust wattage between 10W, 12W, and 14W.  
Fixture comes preset at 14W.

### WIRING DIAGRAM





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# KT-WDLED23PS-8X-9CSF-VDIM

## 8" LED WAFER DOWNLIGHT

### INSTALLATION INSTRUCTIONS

#### RETROFIT INSTALLATION

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

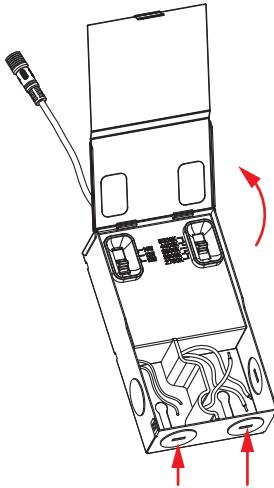
Remove existing trim, CFL or incandescent bulb.

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

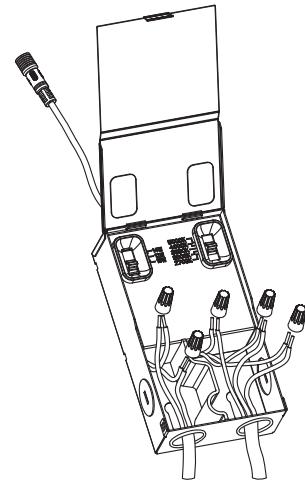
**2. Measure ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see Dimensions on page 2).**

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

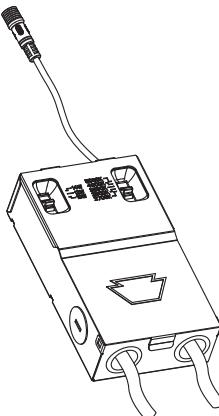
**4. Open the driver box and remove the knockout(s) (KO).**



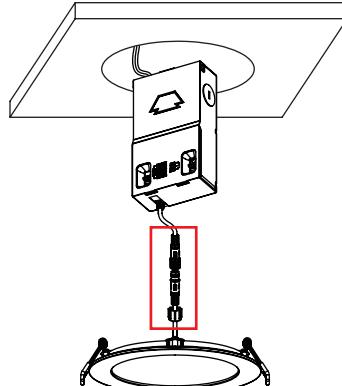
**5. Insert the electrical supply cable through the KO; use appropriate bushing to prevent wire abrasion. Wire driver box (see Wiring Diagram on page 3 and illustration below).\***



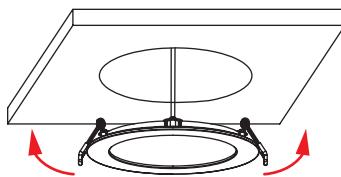
**6. Place all wiring and connections back into the box and close the cover.**



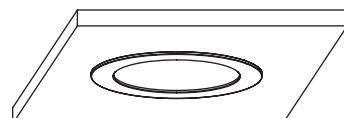
**7. Insert driver box into ceiling in accordance with local/national codes and connect the male and female connectors. Screw threaded nut over connectors to secure.**



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



**9. Restore power when ready.**

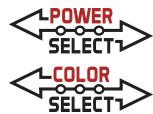


\* Keystone offers an optional cable accessory to assist with wiring to existing fixture J-box. See KT-MC-NP-1-18/3, Optional Accessories (sold separately) on page 6.

(Installation Instructions continued on next page)



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# KT-WDLED23PS-8X-9CSF-VDIM

## 8" LED WAFER DOWNLIGHT

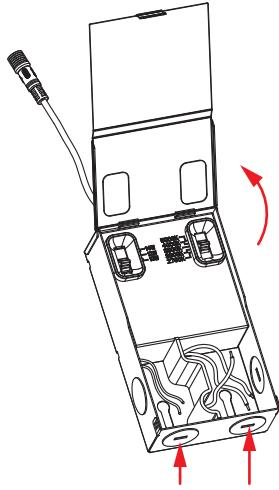
### INSTALLATION INSTRUCTIONS (CONTINUED)

#### NEW-CONSTRUCTION INSTALLATION\*

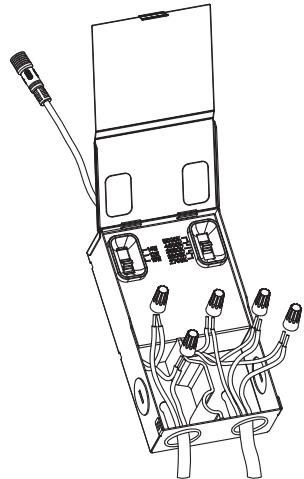
- Shut off power at the source of the fixture housing into which you are installing fixture.

- 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).

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

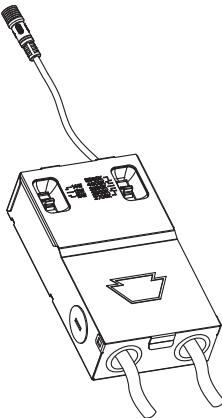


- Insert the electrical supply cable through the KO; use appropriate bushing to prevent wire abrasion. Wire driver box (see *Wiring Diagram* on page 3 and illustration below).\*

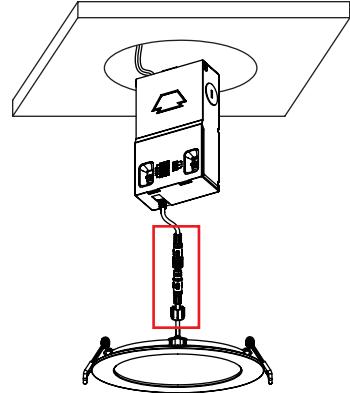


- Select desired Wattage and CCT using adjustment switches on fixture (see *Power Select (Wattage)* and *Color Select (CCT) Adjustment* on page 3).

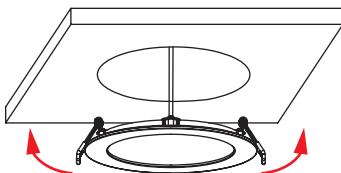
- Place all wiring and connections back into the box and close the cover.



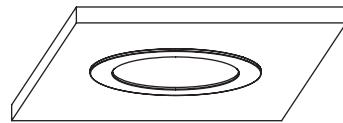
- Insert driver box into ceiling in accordance with local/national codes and connect the male and female connectors. Screw threaded nut over connectors to secure.



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



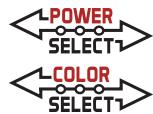
- Restore power when ready.



\* 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.



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# KT-WDLED23PS-8X-9CSF-VDIM

## 8" LED WAFER DOWNLIGHT

### OPTIONAL ACCESSORIES (SOLD SEPARATELY)

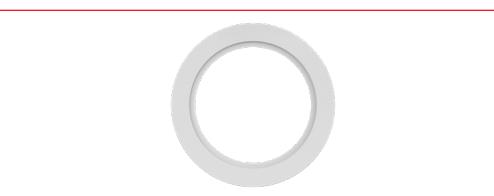
#### INTERCHANGEABLE TRIM

Catalog Number	Description	UPC	Easy Code
KT-WDLED-8A-MB-TRIM	8" Interchangeable Trim for 8A LED Slim Wafer Downlight; Matte Black	843654139333	IKI-88
KT-WDLED-8A-BN-TRIM	8" Interchangeable Trim for 8A LED Slim Wafer Downlight; Brushed Nickel	843654139364	JIH-47
KT-WDLED-8A-BR-TRIM	8" Interchangeable Trim for 8A LED Slim Wafer Downlight; Bronze	843654139395	QUD-62
KT-WDLED-8B-MB-TRIM	8" Interchangeable Trim for 8B LED Recessed Wafer Downlight; Matte Black	843654139432	PBB-93
KT-WDLED-8B-BN-TRIM	8" Interchangeable Trim for 8B LED Recessed Wafer Downlight; Brushed Nickel	843654139463	JJN-04
KT-WDLED-8B-BR-TRIM	8" Interchangeable Trim for 8B LED Recessed Wafer Downlight; Bronze	843654139494	GXE-62



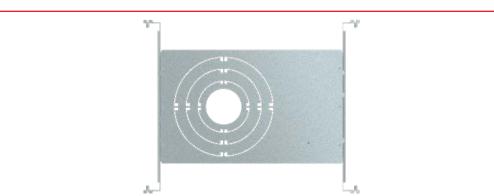
#### GOOF RING

Catalog Number	Description	UPC	Easy Code
KT-WDLED-8AB-GOOF	Goof Ring for 8A/8B LED Wafer Downlights; 10" outer diameter	843654139661	NTL-85



#### 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

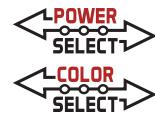
Catalog Number	Description	UPC	Easy Code
KT-MC-NP-1-18/3	Metal-Clad Cable for LED Recessed Downlights; No plug; UL 16AWG 18/3 wire (live, neutral, ground)	843654139777	AYT-71



(Optional Accessories continued on next page)



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## KT-WDLED23PS-8X-9CSF-VDIM

8" 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-WDLED23PS-8A-9CSF-VDIM	1	843654139203	TSP-41
KT-WDLED23PS-8B-9CSF-VDIM	1	843654139241	NYW-46

### CATALOG NUMBER BREAKDOWN

## KT-WDLED23PS-8X-9CSF-VDIM

1 2 3 4 5 6 7 8 9 10 11

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