

KT-WDLED10.5PS-4XX-9CSF-VDIM

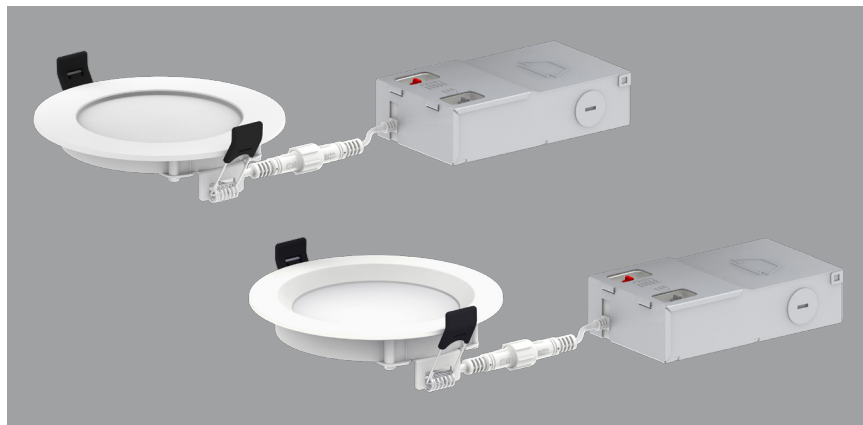
4" LED WAFER DOWNLIGHT

DESCRIPTION

4" 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

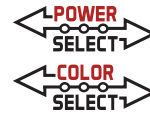
- Keystone Power Select and Color Select technologies offer SKU reduction and allow for easy, on-the-job adjustments
- Utilizes a remote driver with built-in junction box and quick disconnect; Eliminates the need for a traditional, multi-piece fixture setup
- CEC Compliant Flicker Rate (CEC JA10 std.)
- 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-WDLED10.5PS-4A-9CSF-VDIM	120–277V	10.5W	2700K	800	76 lm/W	>90	>0.9	110°	50,000 hrs
			3000K	825	79 lm/W				
			3500K	855	81 lm/W				
			4000K	870	83 lm/W				
			5000K	860	82 lm/W				
		9.5W	2700K	720	76 lm/W				
			3000K	745	78 lm/W				
			3500K	770	81 lm/W				
			4000K	785	83 lm/W				
			5000K	775	82 lm/W				
		8.5W	2700K	650	76 lm/W				
			3000K	670	79 lm/W				
			3500K	695	82 lm/W				
			4000K	710	84 lm/W				
			5000K	700	82 lm/W				

*Preset to highest CCT: 5000K

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



KT-WDLED10.5PS-4XX-9CSF-VDIM

4" LED WAFER DOWNLIGHT

PERFORMANCE SPECIFICATIONS (CONTINUED)

Catalog Number	Input Voltage	Wattage (Selectable)	CCT (Selectable)*	Lumen Output	Efficacy	CRI	Power Factor	Beam Angle	Lifetime
KT-WDLED10.5PS-4B-9CSF-VDIM	120-277V	10.5W	2700K	750	71 lm/W	>90	>0.9	110°	50,000 hrs
			3000K	770	73 lm/W				
			3500K	795	76 lm/W				
			4000K	810	77 lm/W				
			5000K	800	76 lm/W				
		9.5W	2700K	680	72 lm/W				
			3000K	700	74 lm/W				
			3500K	725	76 lm/W				
			4000K	740	78 lm/W				
			5000K	730	77 lm/W				
		8.5W	2700K	600	71 lm/W				
			3000K	625	74 lm/W				
			3500K	645	76 lm/W				
			4000K	655	77 lm/W				
			5000K	650	76 lm/W				

*Preset to highest CCT: 5000K

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

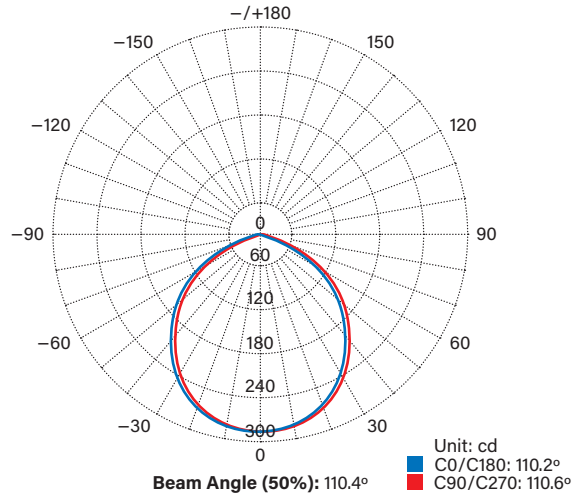
KT-WDLED10.5PS-4XX-9CSF-VDIM

4" LED WAFER DOWNLIGHT

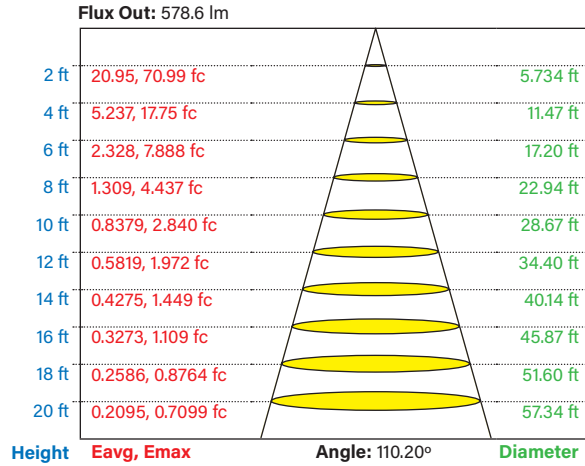
PHOTOMETRIC SPECIFICATIONS

KT-WDLED10.5PS-4A-9CSF-VDIM

POLAR CANDELA DISTRIBUTION



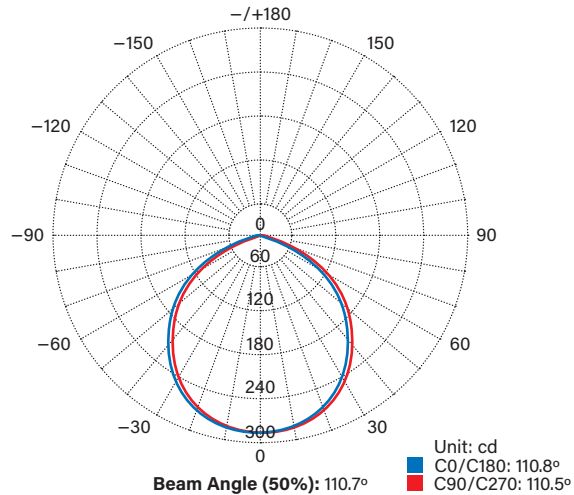
LUX DISTANCE CURVE



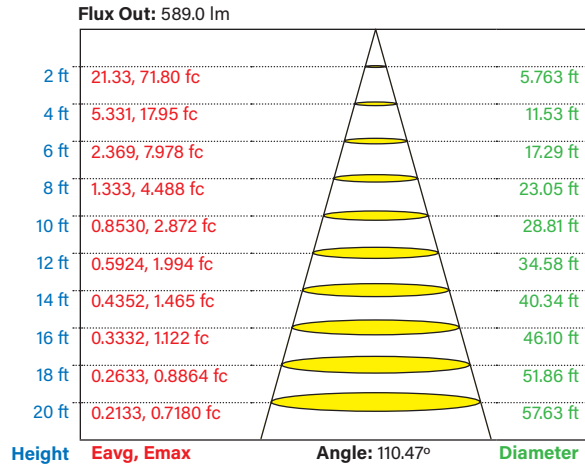
Curves show illuminated area and average illumination when lamp is at various distances.

KT-WDLED10.5PS-4B-9CSF-VDIM

POLAR CANDELA DISTRIBUTION



LUX DISTANCE CURVE



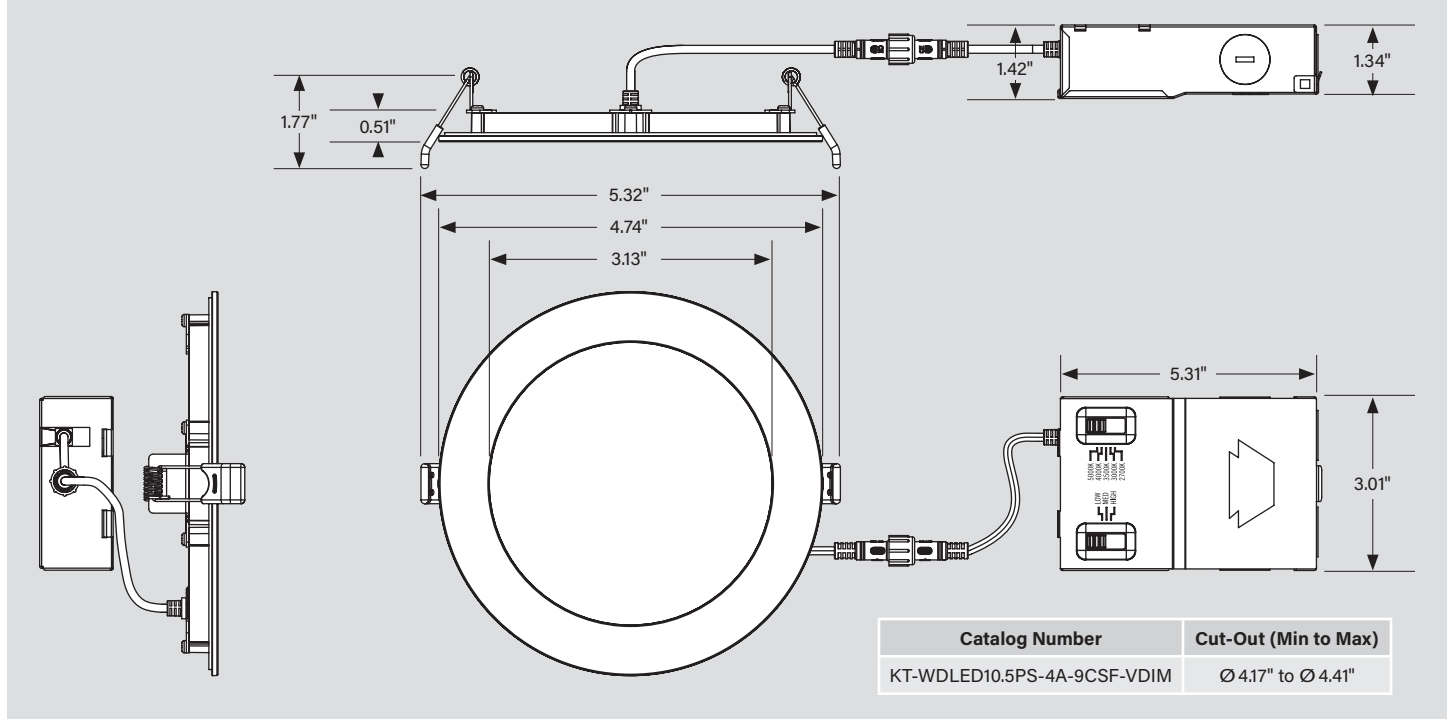
Curves show illuminated area and average illumination when lamp is at various distances.

KT-WDLED10.5PS-4XX-9CSF-VDIM

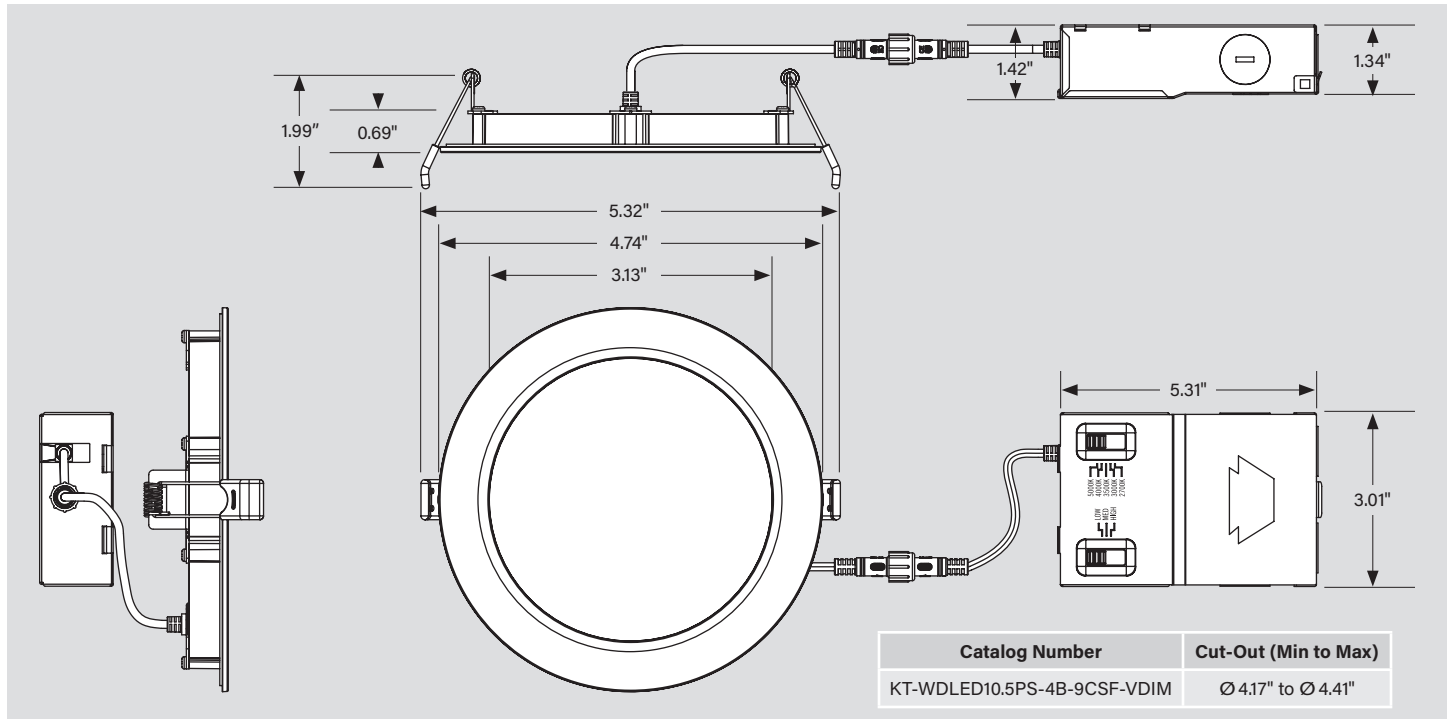
4" LED WAFER DOWNLIGHT

PHYSICAL SPECIFICATIONS

KT-WDLED10.5PS-4A-9CSF-VDIM



KT-WDLED10.5PS-4B-9CSF-VDIM



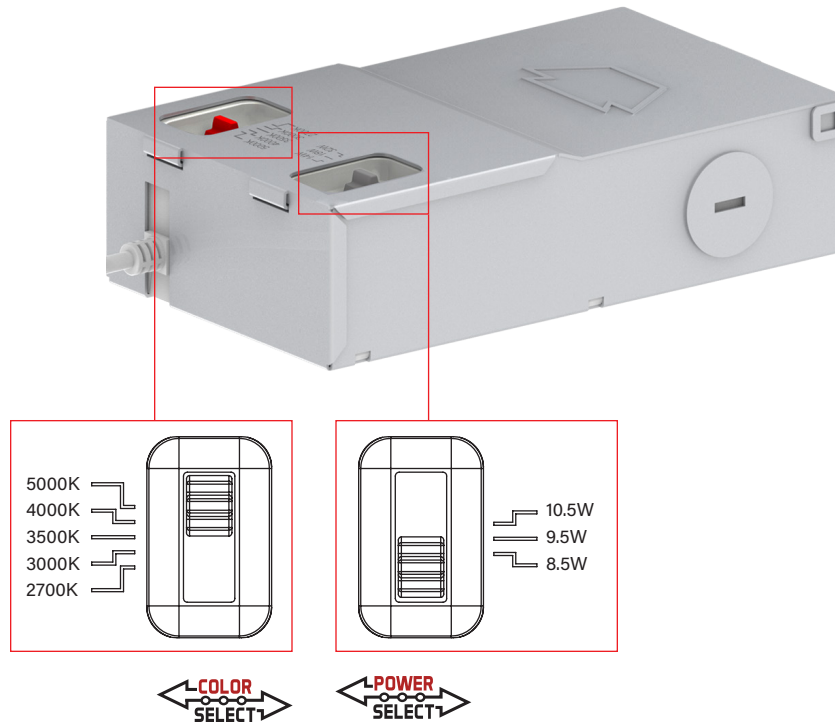
KT-WDLED10.5PS-4XX-9CSF-VDIM

4" 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.



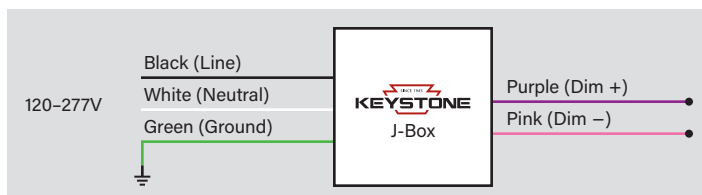
COLOR SELECT ADJUSTMENT SWITCH

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 8.5W, 9.5W, and 10.5W. Fixture comes preset at 10.5W.

WIRING DIAGRAM



KT-WDLED10.5PS-4XX-9CSF-VDIM

4" LED WAFER DOWNLIGHT

INSTALLATION INSTRUCTIONS

RETROFIT INSTALLATION

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

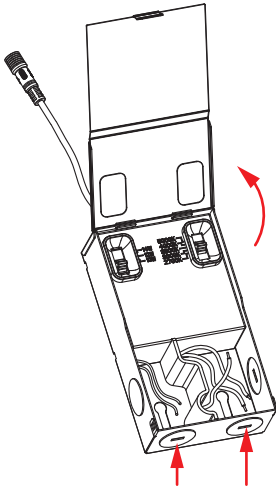
Remove existing trim, CFL or incandescent bulb.

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

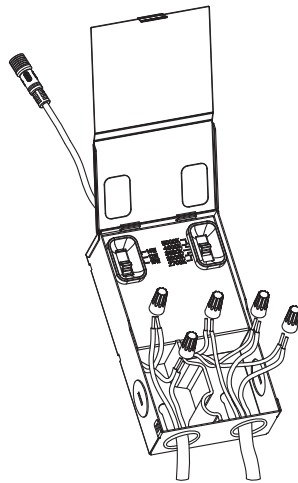
- 2. Measure ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see *Dimensions* on page 2).**

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

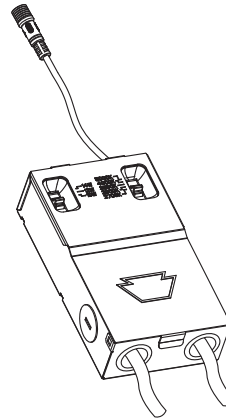
- 4. Open the driver box and remove the knockout(s) (KO).**



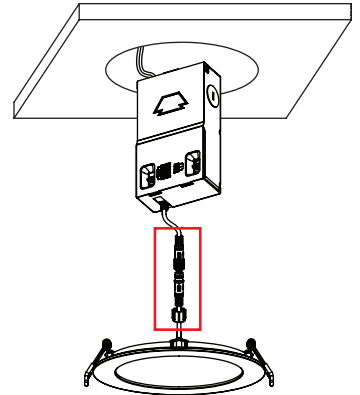
- 5. Insert the electrical supply cable through the KO; use appropriate bushing to prevent wire abrasion. Wire driver box (see *Wiring Diagram* on page 3 and illustration below).***



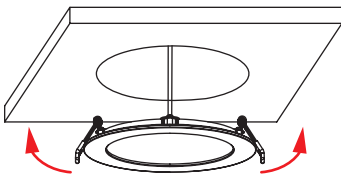
- 6. Place all wiring and connections back into the box and close the cover.**



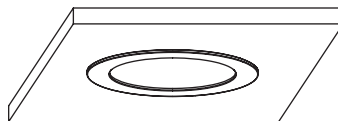
- 7. Insert driver box into ceiling in accordance with local/national codes and connect the male and female connectors. Screw threaded nut over connectors to secure.**



- 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)

KT-WDLED10.5PS-4XX-9CSF-VDIM

4" LED WAFER DOWNLIGHT

INSTALLATION INSTRUCTIONS (CONTINUED)

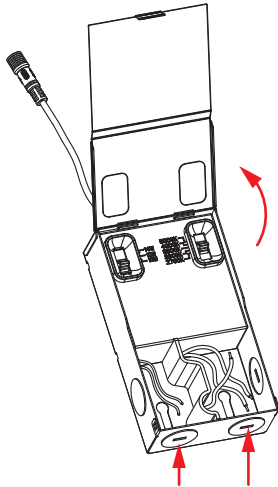
NEW-CONSTRUCTION INSTALLATION*

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

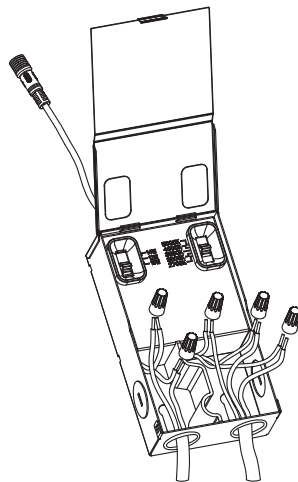
- 2. Using installation hole template, create ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see *Dimensions* on page 2).**

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

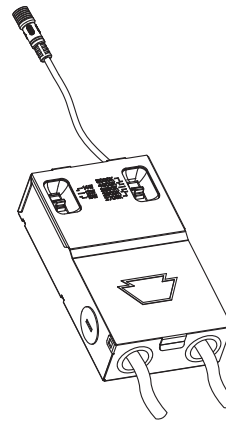
- 4. Open the driver box and remove the knockout(s) (KO).**



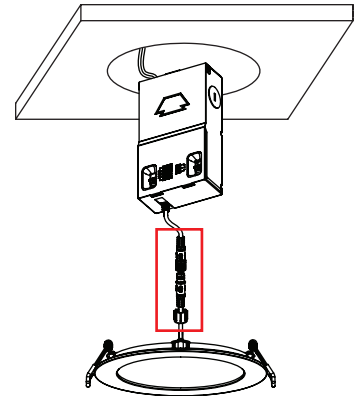
- 5. Insert the electrical supply cable through the KO; use appropriate bushing to prevent wire abrasion. Wire driver box (see *Wiring Diagram* on page 3 and illustration below).***



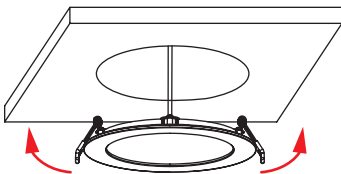
- 6. Place all wiring and connections back into the box and close the cover.**



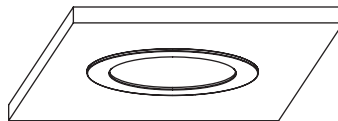
- 7. Insert driver box into ceiling in accordance with local/national codes and connect the male and female connectors. Screw threaded nut over connectors to secure.**



- 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.

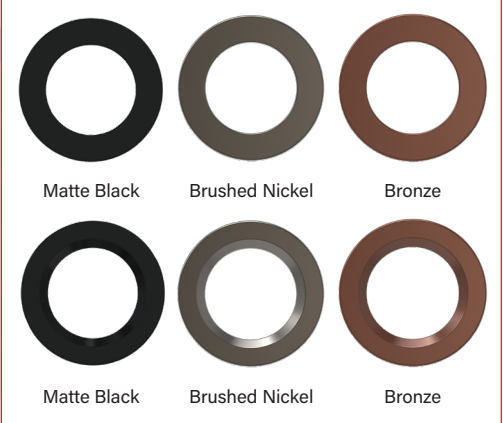
KT-WDLED10.5PS-4XX-9CSF-VDIM

4" LED WAFER DOWNLIGHT

OPTIONAL ACCESSORIES (SOLD SEPARATELY)

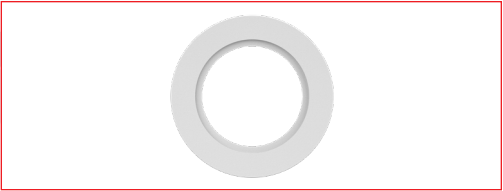
INTERCHANGEABLE TRIM

Catalog Number	Description	UPC	Easy Code
KT-WDLED-4A-MB-TRIM	4" Interchangeable Trim for 4A LED Slim Wafer Downlight; Matte Black	843654139319	ULJ-16
KT-WDLED-4A-BN-TRIM	4" Interchangeable Trim for 4A LED Slim Wafer Downlight; Brushed Nickel	843654139340	IEJ-60
KT-WDLED-4A-BR-TRIM	4" Interchangeable Trim for 4A LED Slim Wafer Downlight; Bronze	843654139371	NTI-74
KT-WDLED-4B-MB-TRIM	4" Interchangeable Trim for 4B LED Recessed Wafer Downlight; Matte Black	843654139418	RQN-42
KT-WDLED-4B-BN-TRIM	4" Interchangeable Trim for 4B LED Recessed Wafer Downlight; Brushed Nickel	843654139449	IMX-16
KT-WDLED-4B-BR-TRIM	4" Interchangeable Trim for 4B LED Recessed Wafer Downlight; Bronze	843654139470	XXG-12



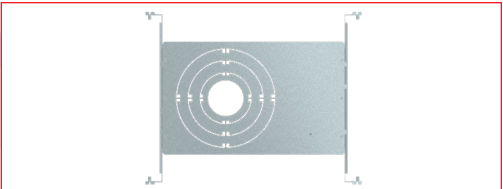
GOOF RING

Catalog Number	Description	UPC	Easy Code
KT-WDLED-4AB-GOOF	Goof Ring for 4A/4B LED Wafer Downlights; 6" outer diameter	843654139647	FRG-59



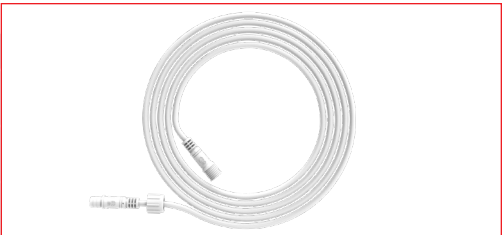
NEW-CONSTRUCTION PLATE

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



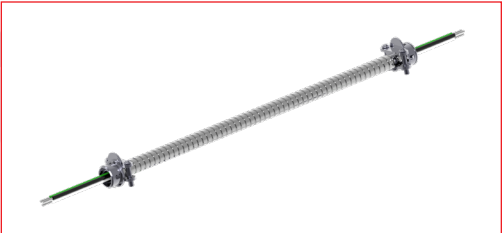
EXTENSION CABLES

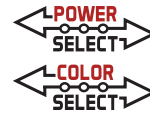
Catalog Number	Description	UPC	Easy Code
KT-WDLED-EC-6	6' Extension Cord for LED Wafer Downlights	843654139739	GOK-14
KT-WDLED-EC-12	12' Extension Cord for LED Wafer Downlights	843654139746	ECE-88
KT-WDLED-EC-20	20' Extension Cord for LED Wafer Downlights	843654139753	JLM-06



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





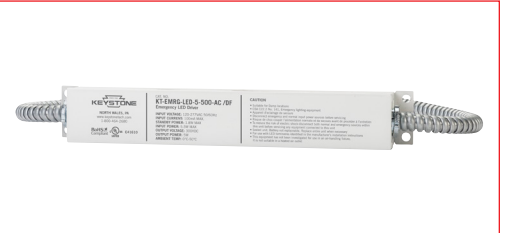
KT-WDLED10.5PS-4XX-9CSF-VDIM

4" LED WAFER DOWNLIGHT

OPTIONAL ACCESSORIES (SOLD SEPARATELY) (CONTINUED)

EMERGENCY PACK

Catalog Number	Description	UPC	Easy Code
KT-EMRG-LED-5-500-AC /DF	LED Emergency Backup, 5W - 500 Lumen Constant Power Design. 120-277V Input. Dual Flex Cable Design. Installs on Primary Side of AC Powered LED load.	843654120843	DUE-53



ORDERING INFORMATION

Catalog Number	Pack Qty.	UPC	Easy Code
KT-WDLED10.5PS-4A-9CSF-VDIM	1	843654139180	NWX-68
KT-WDLED10.5PS-4B-9CSF-VDIM	1	843654139227	BVG-87

CATALOG NUMBER BREAKDOWN

KT-WDLED10.5PS-4XX-9CSF-VDIM

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