

KT-WDLED6.5-3XX-9CSF-FDIM-B

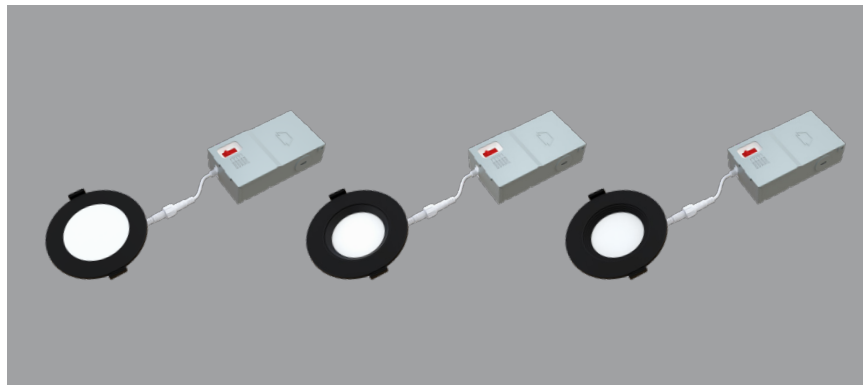
3" LED SLIM WAFER DOWNLIGHT

DESCRIPTION

3" LED Slim Wafer Downlight | Black Housing | 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 Color Select technologies offers SKU reduction and allows 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
 - Powered by Keystone TRIAC dimming LED driver, 10–100% dimming
 - Ambient operating temperature: $-20^{\circ}\text{C}/-4^{\circ}\text{F}$ to $40^{\circ}\text{C}/104^{\circ}\text{F}$
 - Suitable for use in wet locations
 - Airtight and Type IC-rated
 - Power factor: >0.90
 - THD: $<20\%$
 - LED chip lifetime: L70 $>80,000$ hrs @ $25^{\circ}\text{C}/77^{\circ}\text{F}$ ambient fixture temp
 - FCC Part 15, Subpart B, Class B
 - Black Housing
- ** TAA options available. See Ordering Information below**

PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Wattage	CCT (Selectable)*	Lumen Output	Efficacy	CRI	Power Factor	Design Designation	Beam Angle	Lifetime
KT-WDLED6.5-3A-9CSF-FDIM-B	120V	6.5W	2700K	500	76 lm/W	>90	>0.9	Smooth	110°	50,000 hrs
			3000K	510	79 lm/W					
			3500K	525	81 lm/W					
			4000K	550	84 lm/W					
			5000K	530	82 lm/W					
KT-WDLED6.5-3B-9CSF-FDIM-B**	120V	6.5W	2700K	500	76 lm/W	>90	>0.9	Recessed	110°	50,000 hrs
			3000K	510	79 lm/W					
			3500K	525	81 lm/W					
			4000K	550	84 lm/W					
			5000K	530	82 lm/W					
KT-WDLED6.5-3BB-9CSF-FDIM-B**	120V	6.5W	2700K	500	76 lm/W	>90	>0.9	Baffled	110°	50,000 hrs
			3000K	510	79 lm/W					
			3500K	525	81 lm/W					
			4000K	550	84 lm/W					
			5000K	530	82 lm/W					

*Preset to 3000K

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

**Special Order

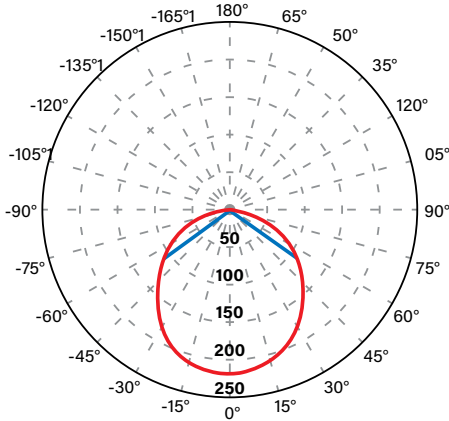
KT-WDLED6.5-3XX-9CSF-FDIM-B

3" LED SLIM WAFER DOWNLIGHT

PHOTOMETRIC SPECIFICATIONS

KT-WDLED6.5-3A-9CSF-FDIM-B

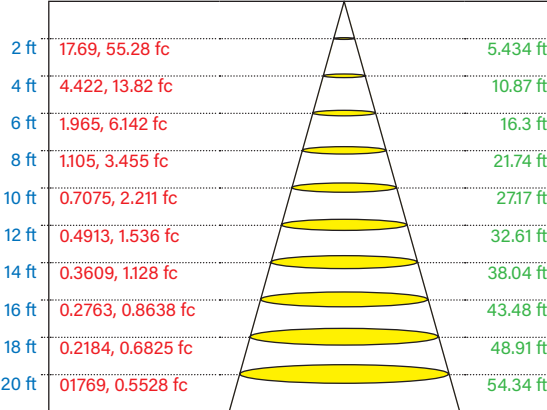
POLAR CANDELA DISTRIBUTION



Average diffuse angle (50%) : **107.3°** **1 Blue** C0-C180
Unit: **cd** **2 Red** C90-C270

LUX DISTANCE CURVE

Flux Out: 421.0 lm



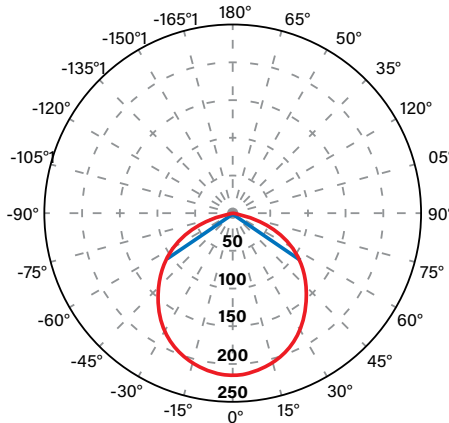
Height **Eavg, Emax** Angle: 107.29° Diameter
Curves show illuminated area and average illumination when lamp is at various distances.

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	169.0	28.3%
0-40	274.1	45.9%
0-60	475.7	79.7%
60-90	121.4	20.3%
90-120	0.0	0.0%
0-90	597.1	100.0%
90-180	0.0	0.0%
0-180	597.1	100.0%

KT-WDLED6.5-3B-9CSF-FDIM-B

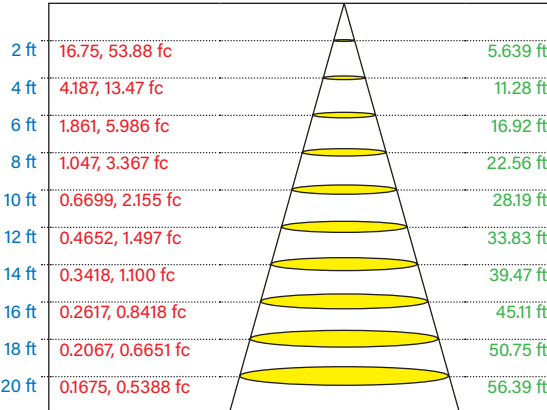
POLAR CANDELA DISTRIBUTION



Average diffuse angle (50%) : **107.3°** **1 Blue** C0-C180
Unit: **cd** **2 Red** C90-C270

LUX DISTANCE CURVE

Flux Out: 429.2 lm



Height **Eavg, Emax** Angle: 109.30° Diameter
Curves show illuminated area and average illumination when lamp is at various distances.

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	165.9	28.7%
0-40	271.0	46.9%
0-60	474.1	82.1%
60-90	103.3	17.9%
90-120	0.0	0.0%
0-90	577.4	100.0%
90-180	0.0	0.0%
0-180	577.4	100.0%

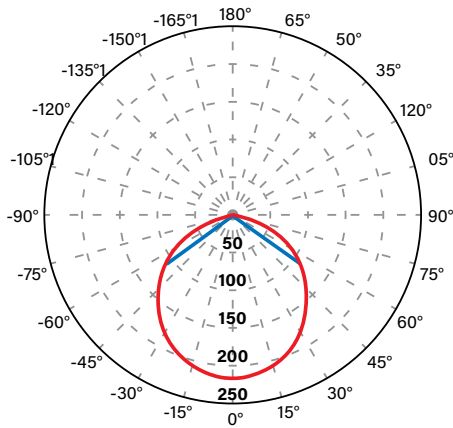
KT-WDLED6.5-3XX-9CSF-FDIM-B

3" LED SLIM WAFER DOWNLIGHT

PHOTOMETRIC SPECIFICATIONS

KT-WDLED6.5-3BB-9CSF-FDIM-B

POLAR CANDELA DISTRIBUTION

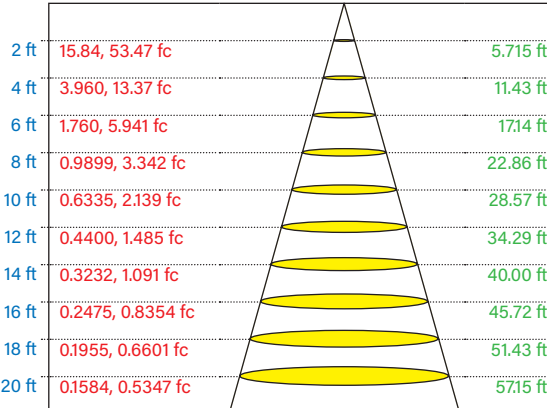


Average diffuse angle (50%) : **107.3°**
Unit: **cd**

1 Blue C0-C180
2 Red C90-C270

LUX DISTANCE CURVE

Flux Out: 437.5 lm



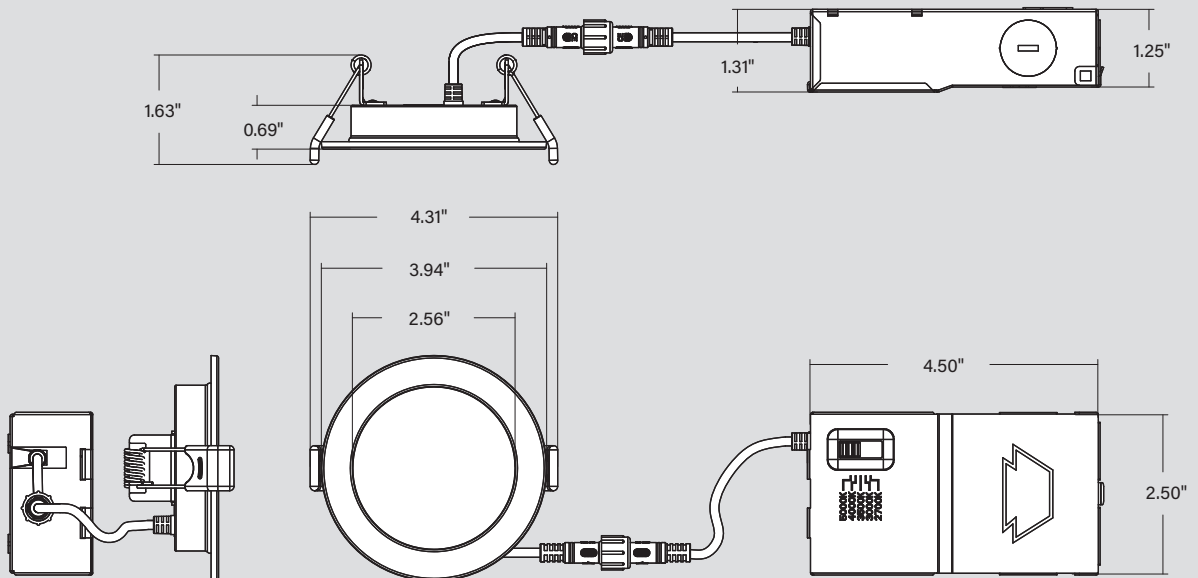
Curves show illuminated area and average illumination when lamp is at various distances.

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	165.0	28.4%
0-40	269.6	46.5%
0-60	473.3	81.6%
60-90	107.0	18.4%
70-100	37.8	6.5%
90-120	0.0	0.0%
0-90	580.2	100.0%
90-180	0.0	0.0%
0-180	580.2	100.0%

PHYSICAL SPECIFICATIONS

KT-WDLED6.5-3A-9CSF-FDIM-B (SMOOTH)



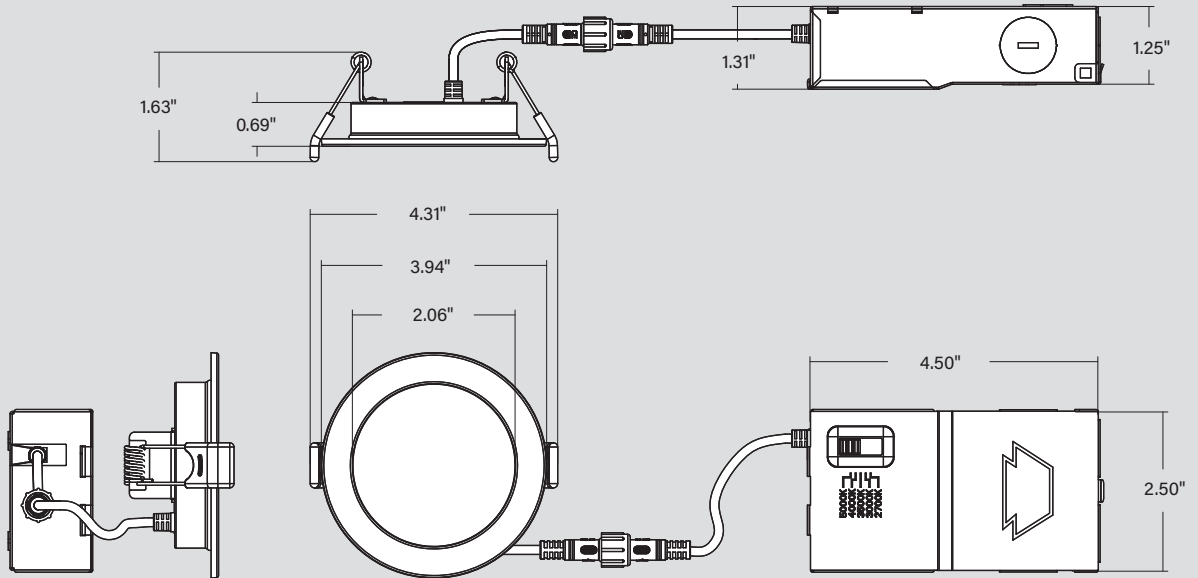
Catalog Number	Cut-Out (Min to Max)
KT-WDLED6.5-3A-9CSF-FDIM-B	Ø 3.17" to Ø 3.41"

KT-WDLED6.5-3XX-9CSF-FDIM-B

3" LED SLIM WAFER DOWNLIGHT

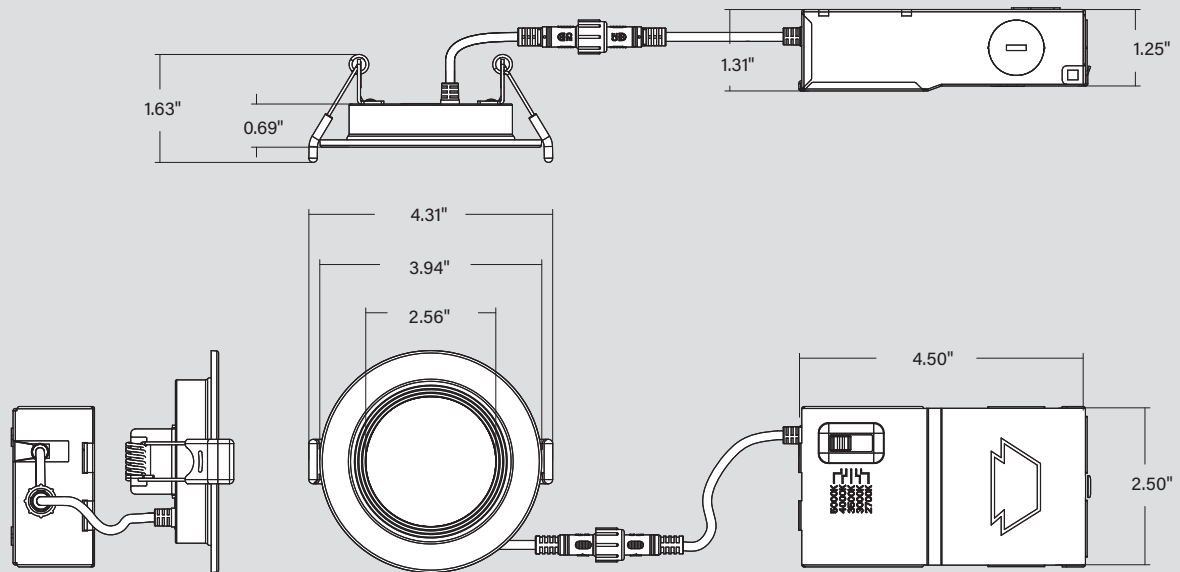
PHYSICAL SPECIFICATIONS

KT-WDLED6.5-3B-9CSF-FDIM-B (RECESSED)



Catalog Number	Cut-Out (Min to Max)
KT-WDLED6.5-3B-9CSF-FDIM-B	Ø 3.17" to Ø 3.41"

KT-WDLED6.5-3BB-9CSF-FDIM-B (BAFFLED)



Catalog Number	Cut-Out (Min to Max)
KT-WDLED6.5-3A-9CSF-FDIM-B	Ø 3.17" to Ø 3.41"

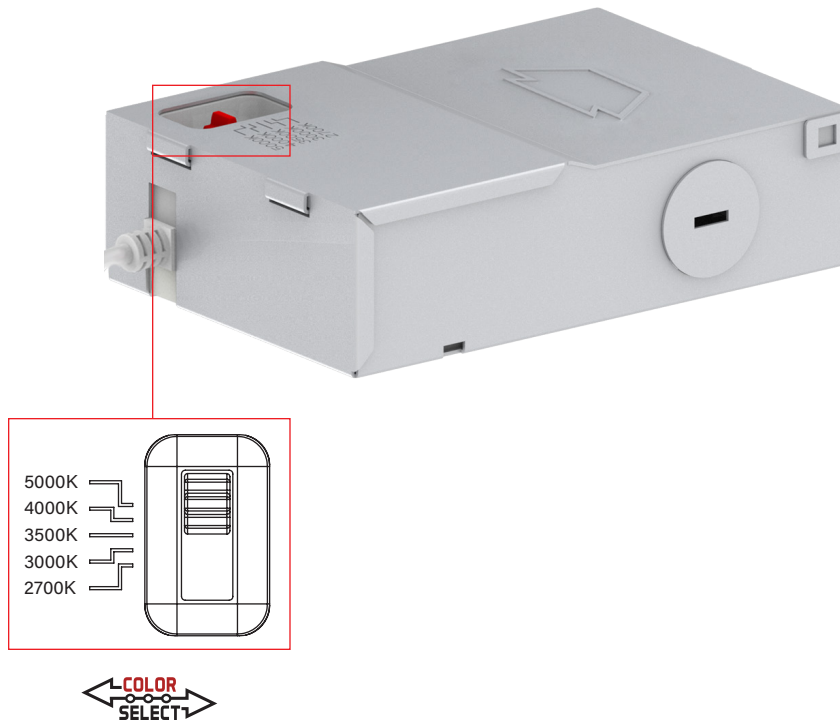
KT-WDLED6.5-3XX-9CSF-FDIM-B

3" LED SLIM WAFER DOWNLIGHT

COLOR SELECT (CCT) ADJUSTMENT

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

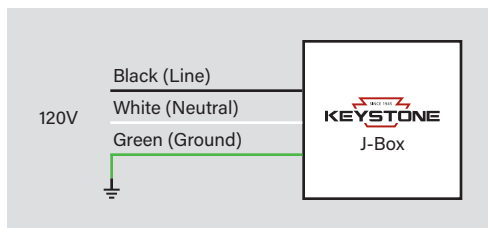
1. Ensure power is off to the fixture.
2. Adjust dip switch to desired setting.



COLOR SELECT ADJUSTMENT SWITCH

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

WIRING DIAGRAM



KT-WDLED6.5-3XX-9CSF-FDIM-B

3" LED SLIM WAFER DOWNLIGHT

INSTALLATION INSTRUCTIONS

RETROFIT INSTALLATION

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

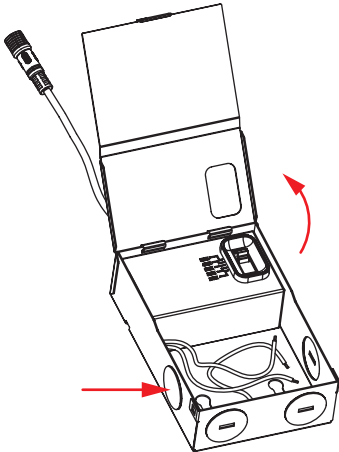
Remove existing trim, CFL or incandescent bulb.

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

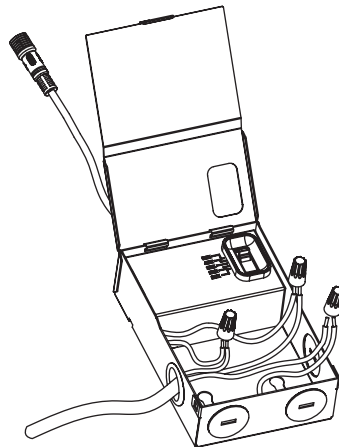
- 2. Measure ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see Dimensions on page 2).**

- 3. Select desired CCT using adjustment switch on fixture (see Color Select (CCT) Adjustment on page 3).**

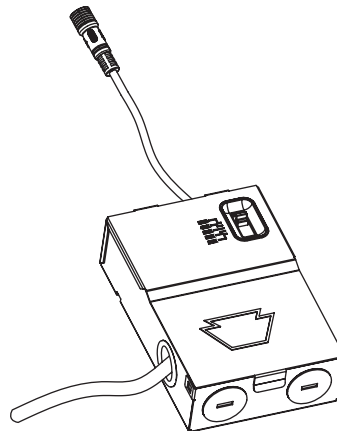
- 4. Open the driver box and remove the knockout(s) (KO).**



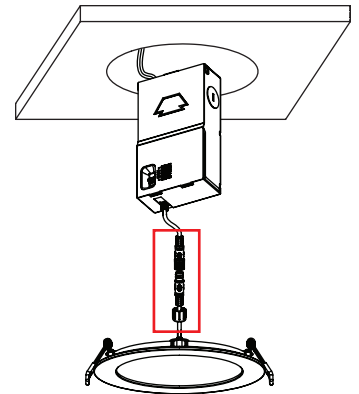
- 5. Insert the electrical supply cable through the KO; use appropriate bushing to prevent wire abrasion. Wire driver box (see Wiring Diagram on page 3 and illustration below).***



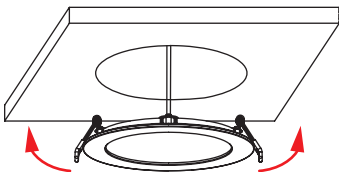
- 6. Place all wiring and connections back into the box and close the cover.**



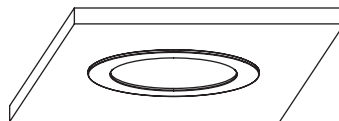
- 7. Insert driver box into ceiling in accordance with local/national codes and connect the male and female threaded connectors. Screw threaded nut over connectors to secure.**



- 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-WDLED6.5-3XX-9CSF-FDIM-B

3" LED SLIM WAFER DOWNLIGHT

INSTALLATION INSTRUCTIONS (continued)

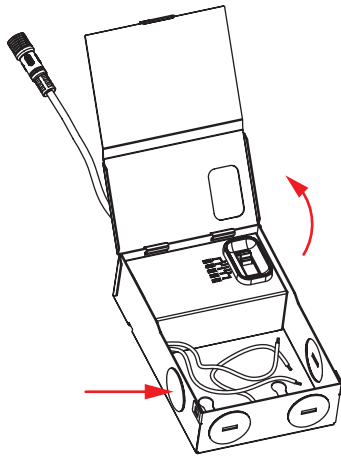
NEW-CONSTRUCTION INSTALLATION*

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

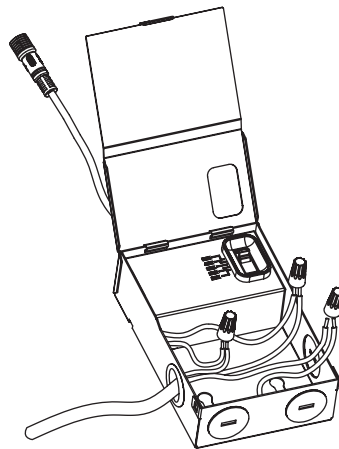
2. Using installation hole template, create ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see Dimensions on page 2).

3. Select desired CCT using adjustment switch on fixture (see Color Select (CCT) Adjustment on page 3).

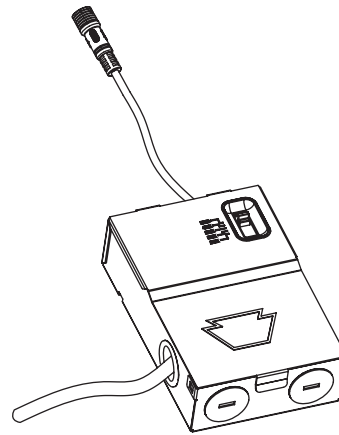
4. Open the driver box and remove the knockout(s) (KO).



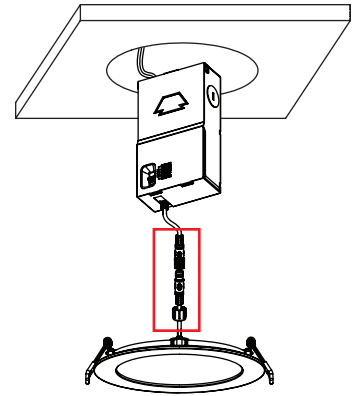
5. Insert the electrical supply cable through the KO; use appropriate bushing to prevent wire abrasion. Wire driver box (see Wiring Diagram on page 3 and illustration below).*



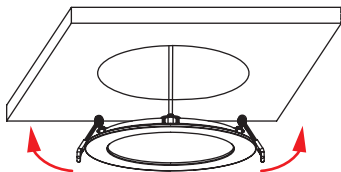
6. Place all wiring and connections back into the box and close the cover.



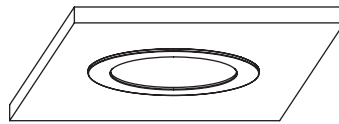
7. Insert driver box into ceiling in accordance with local/national codes and connect the male and female connectors. Screw threaded nut over connectors to secure.



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.

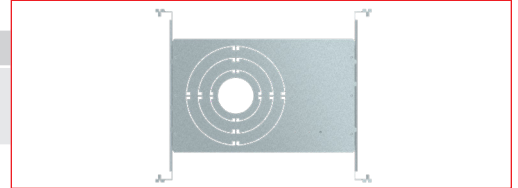
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3" LED SLIM WAFER DOWNLIGHT

OPTIONAL ACCESSORIES (sold separately)

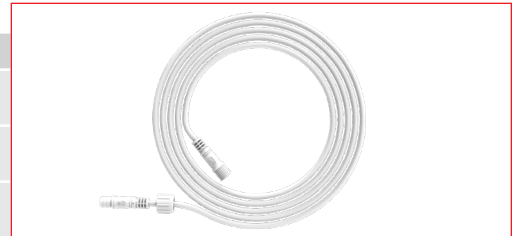
NEW-CONSTRUCTION PLATE

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



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





KT-WDLED6.5-3XX-9CSF-FDIM-B

3" LED SLIM WAFER DOWNLIGHT

ORDERING INFORMATION

Catalog Number	Pack Qty.	UPC	Easy Code
KT-WDLED6.5-3A-9CSF-FDIM-B	1	843654173399	MDE-11
KT-WDLED6.5-3A-9CSF-FDIM-B /TAA	1	TBD	TBD
KT-WDLED6.5-3B-9CSF-FDIM-B*	1	843654173405	OYY-26
KT-WDLED6.5-3B-9CSF-FDIM-B /TAA*	1	TBD	TBD
KT-WDLED6.5-3BB-9CSF-FDIM-B*	1	843654173412	ABE-97
KT-WDLED6.5-3BB-9CSF-FDIM-B /TAA*	1	TBD	TBD

*Special Order

CATALOG NUMBER BREAKDOWN

KT-WDLED6.5-3XX-9CSF-FDIM-B

1	2	3	4	5	6	7	8	9	10	11	12
1 Keystone Technologies	2 Fixture Type	3 LED Technology	4 Maximum Wattage	5 Size	6 Style/Design Designation	7 CRI	9 Color Select Designation	10 Dimming	11 Housing Color	12 TAA Compliant	
	WD Wafer Downlight			3 3" Nominal	A Smooth B Recessed BB Baffled	9 90	F 2700K, 3000K, 3500K, 4000K, 5000K	FDIM Phase Dimming	B Black	/TAA Made in Cambodia	