

KT-RDLED18PS-6A-9CSE-VDIM

6" RECESSED DOWNLIGHT

DESCRIPTION

6" Recessed Downlight | Power Select Technology | Color Select Technology | Internal Driver and Integral Whip

APPLICATION

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



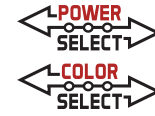
PRODUCT FEATURES

- Keystone Power Select and Color Select technologies offer SKU reduction and allow for easy, on-the-job adjustments
- Designed with integral whip to connect directly to a junction box; Ideal for installation into existing CFL pin-based fixture infrastructure
- Integral driver eliminates the need for a traditional multi-piece fixture setup
- Ideal for new construction, remodel, and retrofit applications
- Smooth reflector trim offers clean, modern appearance
- Diffused lens reduces glare
- Interchangeable trims available in matte black, brushed nickel, and bronze
- Powered by Keystone 0–10V dimming LED driver; 10–100% dimming
- Ambient operating temperature: –20°C/–4°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 B
- CEC Compliant Flicker Rate (CEC JA10 std.)

PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Wattage (Selectable)	CCT (Selectable)*	Lumen Output	Efficacy	CRI	Power Factor	Lifetime
KT-RDLED18PS-6A-9CSE-VDIM	120–277V	18.5W	3000K	1450	78 lm/W	>90	>0.9	50,000 hrs
			3500K	1550	84 lm/W			
			4000K	1500	81 lm/W			
		13W	3000K	1000	77 lm/W			
			3500K	1100	85 lm/W			
			4000K	1050	81 lm/W			
		9W	3000K	700	78 lm/W			
			3500K	750	83 lm/W			
			4000K	725	81 lm/W			

* Preset to highest CCT: 4000K
Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

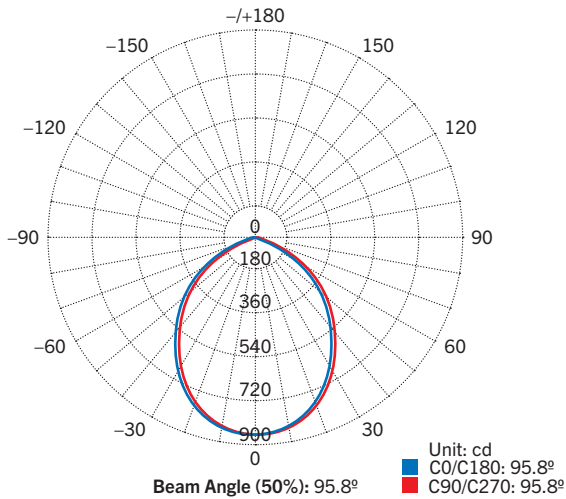


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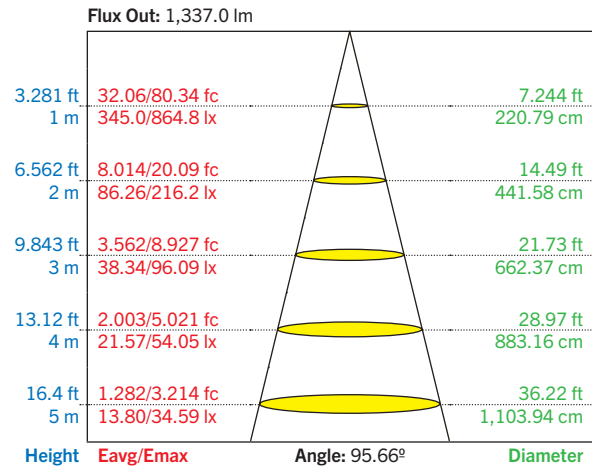
6" RECESSED DOWNLIGHT

PHOTOMETRIC SPECIFICATIONS*

POLAR CANDELA DISTRIBUTION

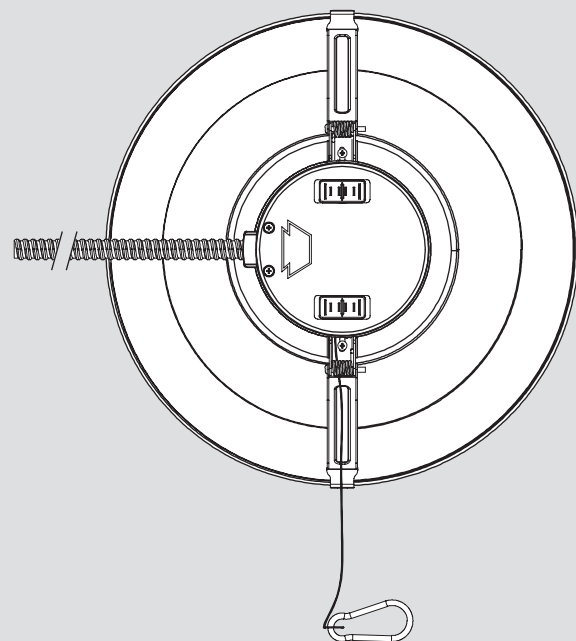
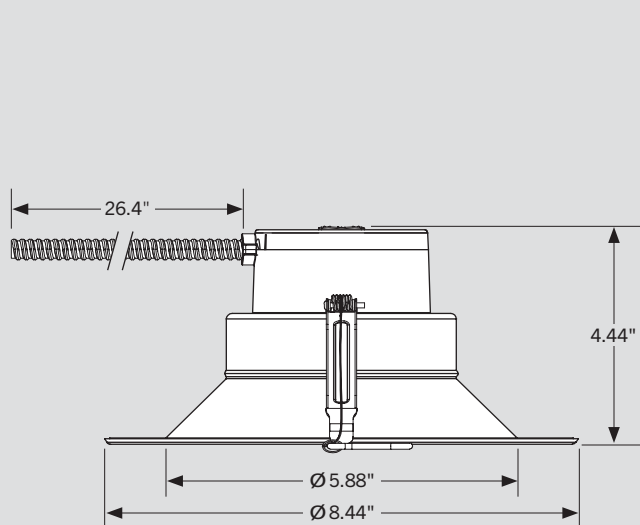


LUX DISTANCE CURVE

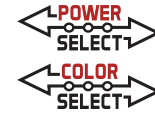


* Tested at 18.5W and 3000K

PHYSICAL SPECIFICATIONS



Catalog Number	Cut-Out (Min to Max)
KT-RDLED18PS-6A-9CSE-VDIM	Ø 6.13" to Ø 7.19"



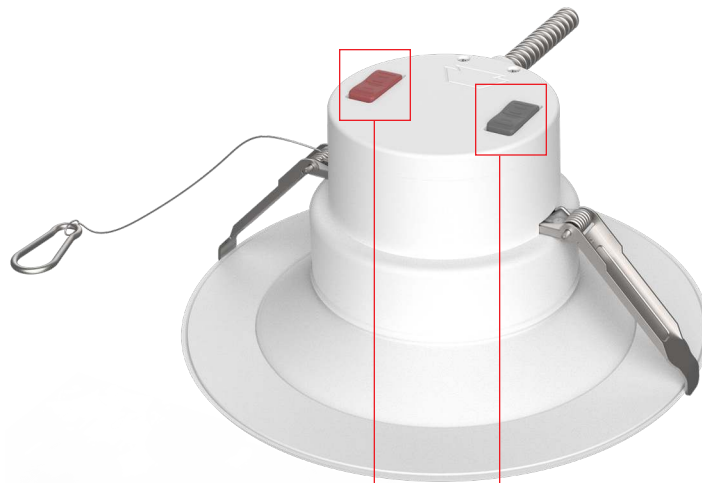
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POWER SELECT (WATTAGE) AND COLOR SELECT (CCT) ADJUSTMENT

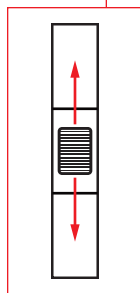
This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

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



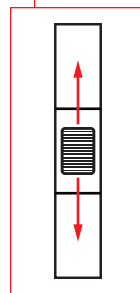
COLOR SELECT ADJUSTMENT SWITCH

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

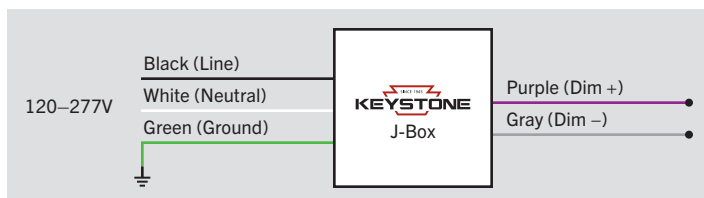


POWER SELECT ADJUSTMENT SWITCH

Set dip switch to adjust wattage between 9W, 13W, and 18.5W. Fixture comes preset at 18.5W.

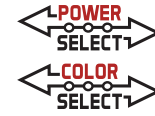


WIRING DIAGRAM





ADVANTA



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INSTALLATION INSTRUCTIONS

RETROFIT INSTALLATION

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

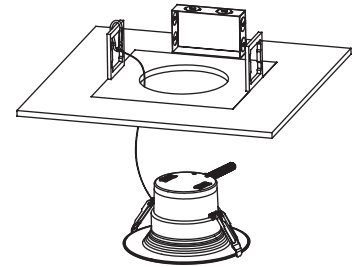
Remove existing trim and CFL or incandescent bulb.

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 *Physical Specifications* 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).**

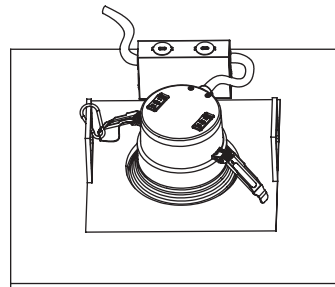
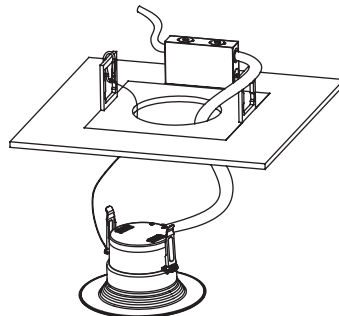
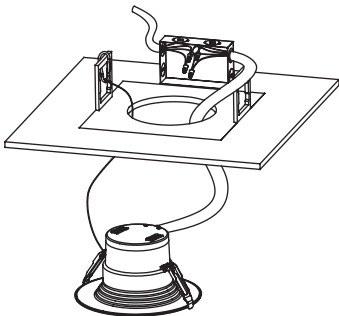
- 4. Attach carabiner safety clip to the existing fixture housing.**



- 5. Insert lamp conduit into J-box and wire to power source (see *Wiring Diagram* on page 3). Reattach J-box cover when done.**

- 6. Squeeze the two housing clips so they are in an upright position and then insert lamp into housing.**

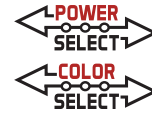
- 7. Once lamp is inside housing, release housing clips and continue to push lamp into housing until securely fixed and flush with ceiling. Restore power.**



(Installation Instructions continued on next page)



ADVANTA

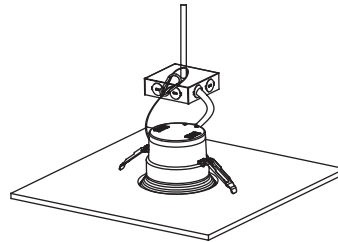
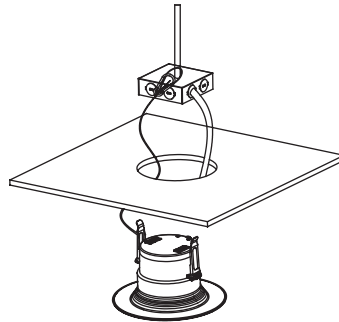
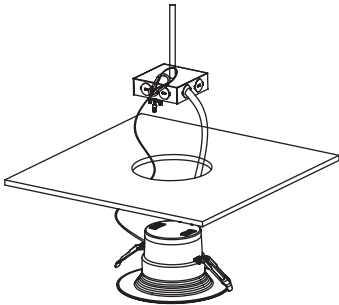
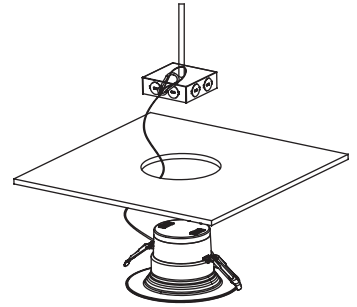


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INSTALLATION INSTRUCTIONS (continued)

NEW-CONSTRUCTION INSTALLATION*

- 1. Shut off power at the source of the fixture housing into which you are installing fixture.**
- 2. Create ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see *Physical Specifications* 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. Attach carabiner safety clip to secure location in ceiling.**
- 5. Insert lamp conduit into J-box and wire to power source (see *Wiring Diagram* on page 3). Reattach J-box cover when done.**
- 6. Squeeze the two housing clips so they are in an upright position and then insert lamp into opening.**
- 7. Once lamp is inside opening, release housing clips and continue to push lamp into opening until securely fixed and flush with ceiling. Restore power.**



* Keystone offers optional New Construction Plate (KT-RDLED-PLATE-1) for both new joist and T-grid installations. See Optional Accessories (sold separately) on page 6.