KEYSTONE | SINCE 1945 | LIGHT MADE EASY
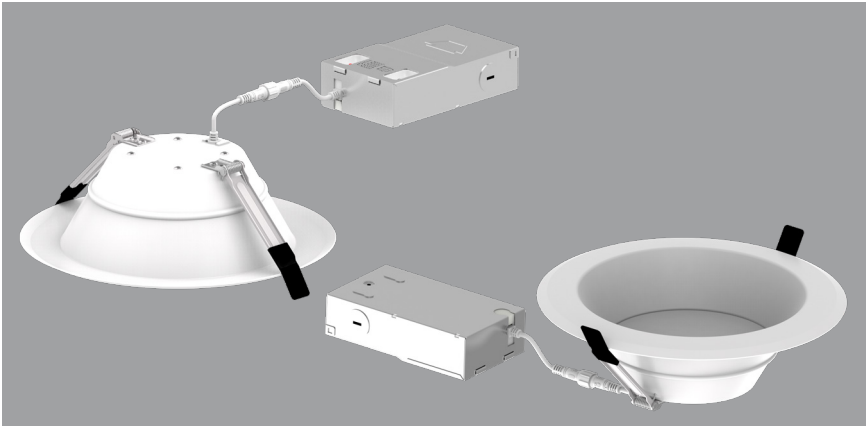
ADVANTARMT

POWER SELECT
COLOR SELECT

KT-RDLED29PS-8B-9CSF-VDIM
8" LED RECESSED DOWNLIGHT

DESCRIPTION
8" LED Recessed 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
- Frosted lens 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: –30ºC/–22ºF to 40ºC/104ºF
- Suitable for use in wet locations
- Airtight and Type IC-rated
- Power factor: >0.90
- THD: <20%
- LED chip lifetime: L70 >80,000 hrs @ 25ºC/77ºF ambient fixture temp
- FCC Part 15, Subpart B, Class A

PERFORMANCE SPECIFICATIONS

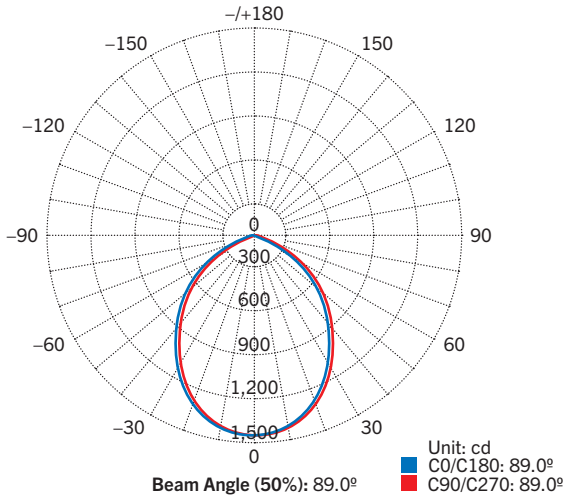| Catalog Number	Input Voltage	Wattage (Selectable)	CCT (Selectable)*	Lumen Output	Efficacy	CRI	Power Factor	Beam Angle	Lifetime
KT-RDLED29PS-8B-9CSF-VDIM	120–277V	29W	2700K	2,700	93 lm/W	>90	>0.9	90º	50,000 hrs
			3000K	2,740	94 lm/W				
			3500K	2,780	96 lm/W				
			4000K	2,780	96 lm/W				
			5000K	2,740	94 lm/W				
		23W	2700K	2,200	96 lm/W				
			3000K	2,240	97 lm/W				
			3500K	2,280	99 lm/W				
			4000K	2,280	99 lm/W				
			5000K	2,240	97 lm/W				
		16.5W	2700K	1,600	97 lm/W				
			3000K	1,630	99 lm/W				
			3500K	1,660	101 lm/W				
			4000K	1,660	101 lm/W				
			5000K	1,630	99 lm/W				

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

KEYSTONE — LIGHT MADE EASY | SINCE 1945

ADVANTA RMT

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PHOTOMETRIC SPECIFICATIONS

POLAR CANDELA DISTRIBUTION

Unit: cd
■ C0/C180: 89.0º
■ C90/C270: 89.0º

Beam Angle (50%): 89.0º

LUX DISTANCE CURVE

Flux Out: 1,941 lm

Height	Eavg, Emax	Angle: 88.97º	Diameter
2 ft	154.5, 361.2 fc		3.929 ft
4 ft	38.62, 90.53 fc		7.858 ft
6 ft	17.16, 40.24 fc		11.79 ft
8 ft	9.654, 22.63 fc		15.72 ft
10 ft	6.179, 14.48 fc		19.64 ft
12 ft	4.291, 10.06 fc		23.57 ft
14 ft	3.152, 7.390 fc		27.50 ft
16 ft	2.414, 5.658 fc		31.43 ft
18 ft	1.907, 4.471 fc		35.36 ft
20 ft	1.545, 3.621 fc		39.29 ft
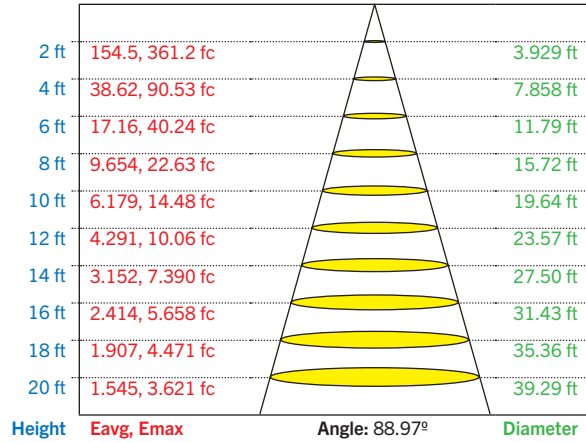
Curves show illuminated area and average illumination when lamp is at various distances.

PHYSICAL SPECIFICATIONS

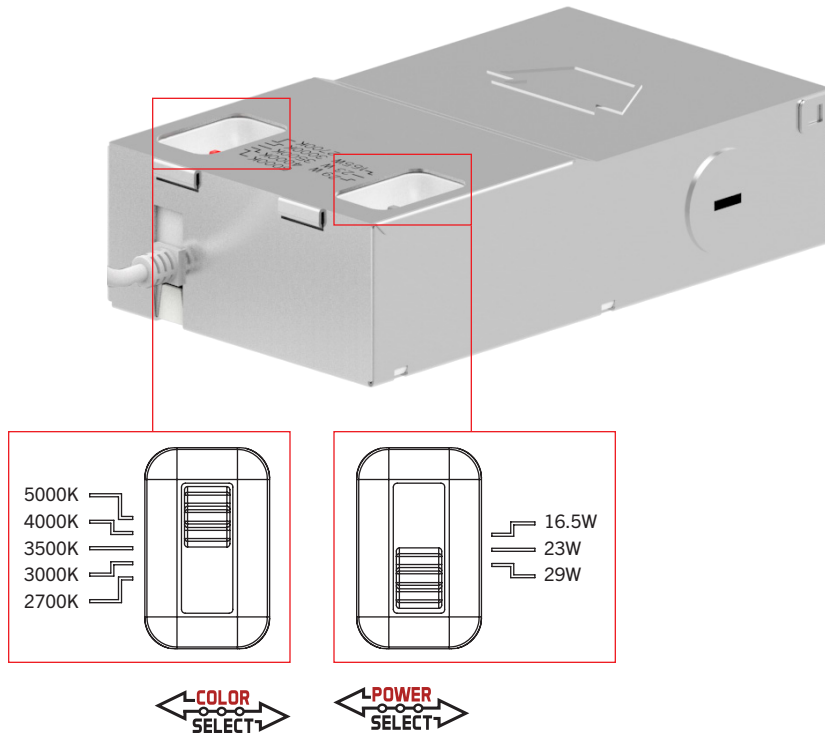| Catalog Number	Cut-Out (Min to Max)
KT-RDLED29PS-8B-9CSF-VDIM	Ø 7.28" to Ø 8.27"
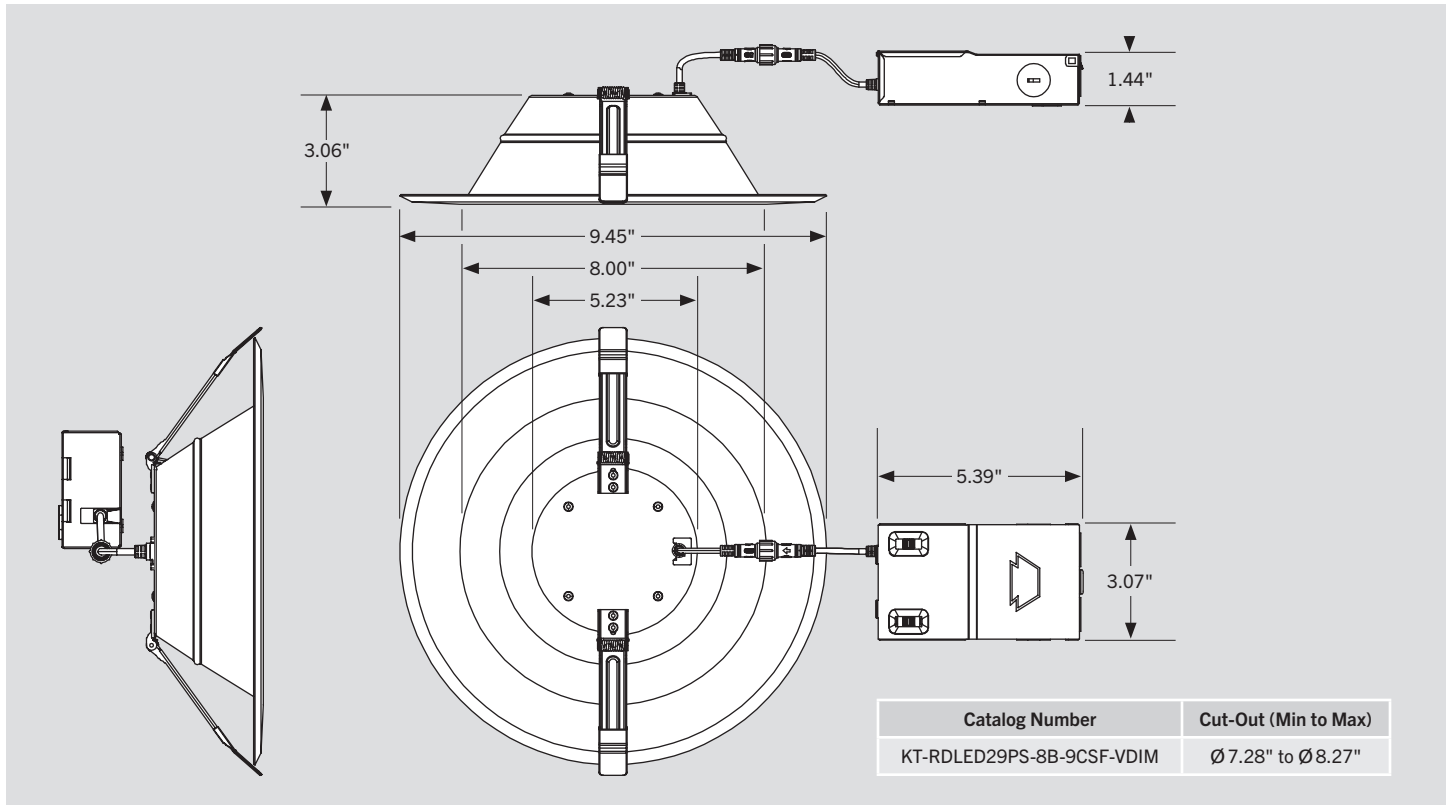
KT-RDLED29PS-8B-9CSF-VDIM
8" LED RECESSED DOWNLIGHT

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

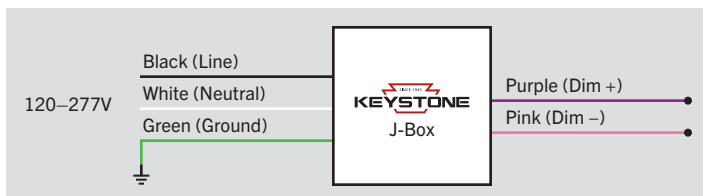This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

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 16.5W, 23W, and 29W.
Fixture comes preset at 29W.

WIRING DIAGRAM

120–277V

Black (Line)
White (Neutral)
Green (Ground)

J-Box

Purple (Dim +)
Pink (Dim –)

ADVANTA RMT

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COLOR SELECT

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8" LED RECESSED DOWNLIGHT

INSTALLATION INSTRUCTIONS

RETROFIT INSTALLATION

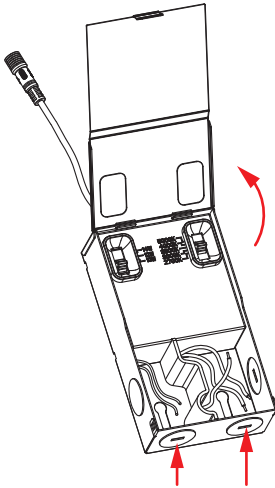**1. Shut off power at the source of the fixture housing into which you are installing fixture.**

Remove existing trim, CFL or incandescent bulb.

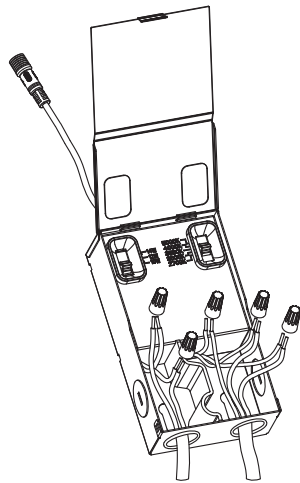*Note:* Follow all federal and local regulations when disposing of lamps and removed components.

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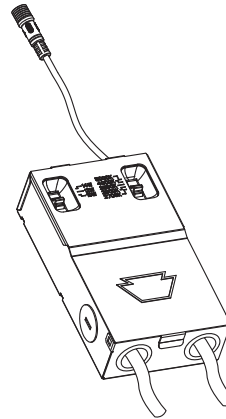
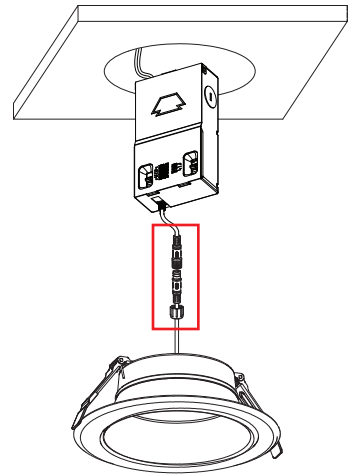**4.** Open the driver box and remove the knockout(s) (KO).

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).*
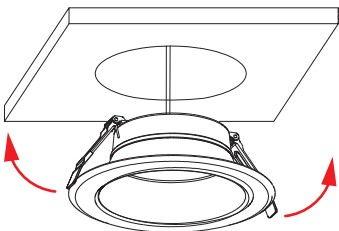

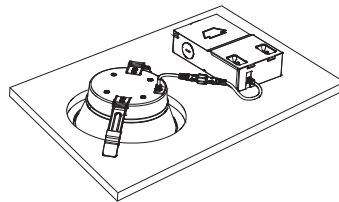**6.** Place all wiring and connections back into the box and close the cover.

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.*

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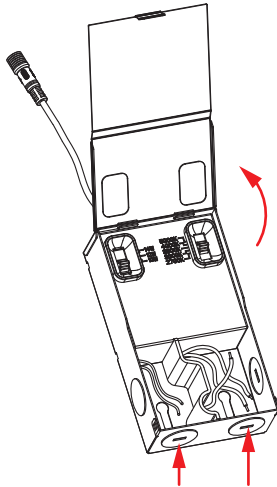
KT-RDLED29PS-8B-9CSF-VDIM
8" LED RECESSED DOWNLIGHT

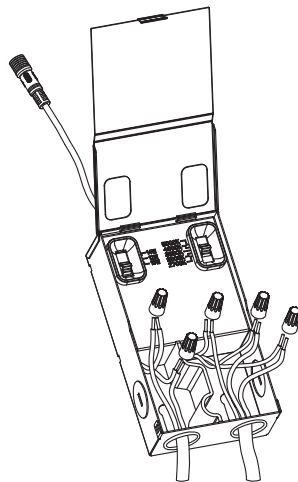## INSTALLATION INSTRUCTIONS (continued)

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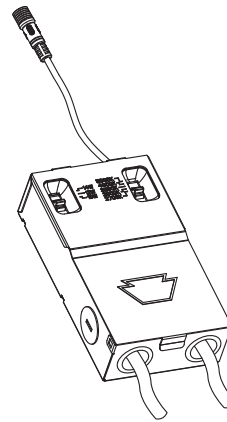
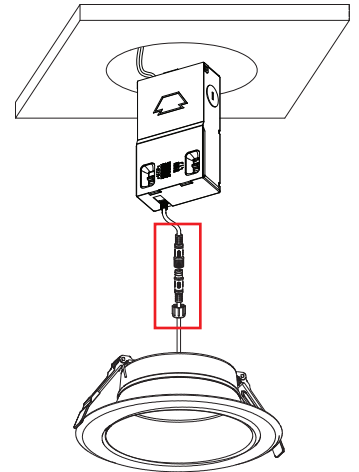**4.** Open the driver box and remove the knockout(s) (KO).

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).*
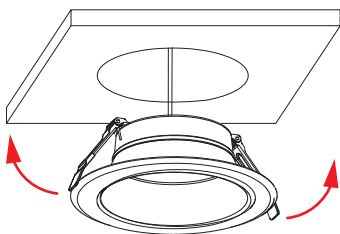

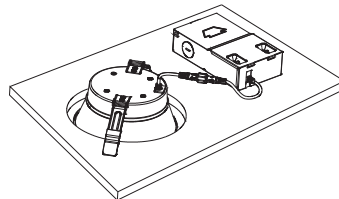**6.** Place all wiring and connections back into the box and close the cover.

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-RDLED29PS-8B-9CSF-VDIM
8" LED RECESSED DOWNLIGHT

OPTIONAL ACCESSORIES (sold separately)

INTERCHANGEABLE TRIM

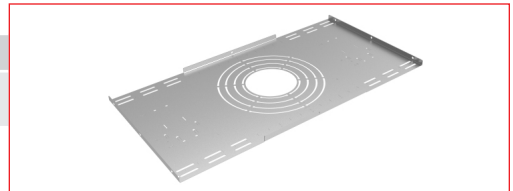| Catalog Number	Description	UPC	Easy Code
KT-RDLED-8B-MB-TRIM	8" Interchangeable Trim for 8B Recessed Downlight; Matte Black	843654139531	TXO-92
KT-RDLED-8B-BN-TRIM	8" Interchangeable Trim for 8B Recessed Downlight; Brushed Nickel	843654139579	COD-09
KT-RDLED-8B-BR-TRIM	8" Interchangeable Trim for 8B Recessed Downlight; Bronze	843654139616	UFI-14

Matte Black   Brushed Nickel   Bronze
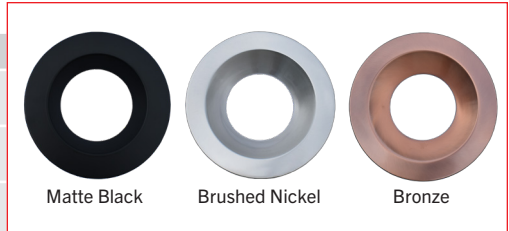
GOOF RING

Catalog Number	Description	UPC	Easy Code
KT-RDLED-8B-GOOF	8" Goof Ring for 8B Recessed Downlights; 10" outer diameter	843654139708	IWZ-64
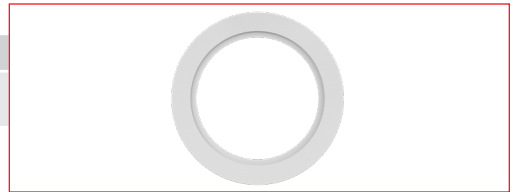
NEW-CONSTRUCTION PLATE

Catalog Number	Description	UPC	Easy Code
KT-RDLED-PLATE-1	New-construction plate for LED Recessed Downlights	843654137285	BMS-81

EXTENSION CABLES

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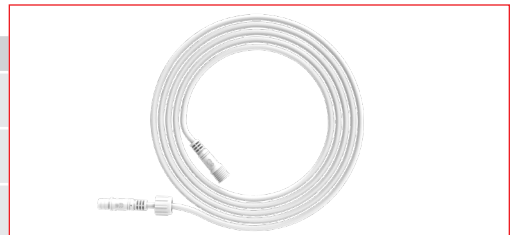
METAL-CLAD CABLE

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-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

KEYSTONE SINCE 1945 LIGHT MADE EASY® | **ADVANTA**RMT | POWER SELECT / COLOR SELECT
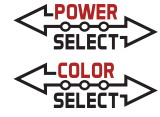
KT-RDLED29PS-8B-9CSF-VDIM
8" LED RECESSED DOWNLIGHT

ORDERING INFORMATION

Catalog Number	Pack Qty.	UPC	Easy Code
KT-RDLED29PS-8B-9CSF-VDIM	1	843654139289	QRX-40

CATALOG NUMBER BREAKDOWN

KT-RDLED29PS-8B-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**
9 **Color Select Technology**
10 **Color Select Designation**
11 **Dimming**

2 Fixture Type

RD	Recessed Downlight

6 Size

8	8" Nominal

7 Style/Design Designation

B	Series B

8 CRI

9	90

10 Color Select Designation

F	2700K, 3000K, 3500K, 4000K, 5000K

11 Dimming

VDIM	0—10V Dimming

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