

# KT-RDLEDXXPS-XA-9CSF-CDIM

## LED COMMERCIAL DOWNLIGHT

### DESCRIPTION

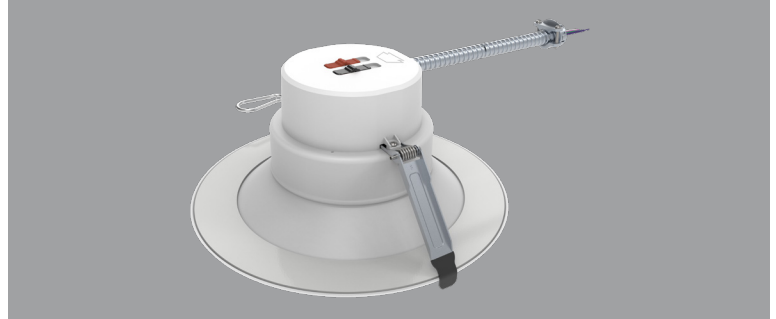
LED Commercial Downlight | Power Select Technology  
Color Select Technology | Internal Driver an Integral Whip

### APPLICATION

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



**10 YEAR**  
LIMITED WARRANTY



### 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
- CEC Compliant Flicker Rate (CEC JA10 std.)
- Ideal for new construction, remodel, and retrofit applications
- Smooth reflector trim offers clean, modern appearance
- Interchangeable trims available in matte black, brushed nickel, and bronze
- Powered by Keystone Combination dimming LED driver; 0-10V (10–100% dimming), Triac and ELV dimming (@120V only)
- Ambient operating temperature: –25°C/–13°F to 40°C/104°F
- Suitable for use in wet locations
- Airtight and Type IC-rated
- Power factor: >0.90
- THD: <25%
- LED chip lifetime: L70 >80,000 hrs @ 25°C/77°F ambient fixture temp
- FCC Part 15, Subpart B, Class B

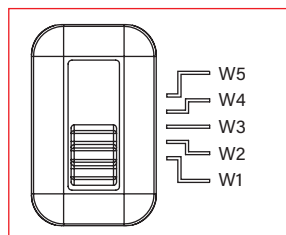
### PERFORMANCE SPECIFICATIONS OVERVIEW

| Catalog Number             | Selectable Wattage | Selectable CCT            | Lumens | Efficacy | Input Voltage | Dimmable | CRI | Beam Angle | Housing Color | Lifetime  |
|----------------------------|--------------------|---------------------------|--------|----------|---------------|----------|-----|------------|---------------|-----------|
| KT-RDLED38PS-10A-9CSF-CDIM | 38/32/28/24/20W    | 2700/3000/3500/4000/5000K | 4150   | 109 lm/W | 120-277V      | 0-10V    | >90 | XX°        | White         | 80,000hrs |
| KT-RDLED30PS-8A-9CSF-CDIM  | 30/27/23/20/16W    | 2700/3000/3500/4000/5000K | 3350   | 112 lm/W |               |          |     |            |               |           |
| KT-RDLED24PS-6A-9CSF-CDIM  | 24/21/18.5/13/9.5W | 2700/3000/3500/4000/5000K | 2750   | 115 lm/W |               |          |     |            |               |           |
| KT-RDLED13PS-4A-9CSF-CDIM  | 13/10/9/7/5.5W     | 2700/3000/3500/4000/5000K | 1450   | 112 lm/W |               |          |     |            |               |           |

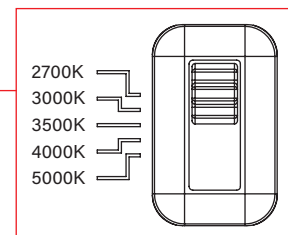
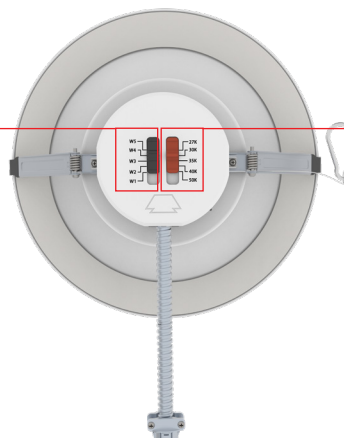
\* Preset to (5000K)

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

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



**POWER SELECT  
ADJUSTMENT SWITCH**



**COLOR SELECT  
ADJUSTMENT SWITCH**

# KT-RDLEDXXPS-XA-9CSF-CDIM

## LED COMMERCIAL DOWNLIGHT

### PERFORMANCE SPECIFICATIONS DETAILED

| Catalog Number             | Nominal Size | Selectable Wattage | Selectable CCT | Lumens | Efficacy | Input Voltage | Dimmable             | CRI |
|----------------------------|--------------|--------------------|----------------|--------|----------|---------------|----------------------|-----|
| KT-RDLED38PS-10A-9CSF-CDIM | 10"          | 38W                | 2700K          | 3,700  | 97 lm/W  | 120-277V      | 0-10V, Phase Dimming | >90 |
|                            |              |                    | 3000K          | 3,800  | 100 lm/W |               |                      |     |
|                            |              |                    | 3500K          | 4,100  | 108 lm/W |               |                      |     |
|                            |              |                    | 4000K          | 4,150  | 109 lm/W |               |                      |     |
|                            |              |                    | 5000K          | 4,150  | 109 lm/W |               |                      |     |
|                            |              | 32W                | 2700K          | 3,300  | 103 lm/W |               |                      |     |
|                            |              |                    | 3000K          | 3,450  | 108 lm/W |               |                      |     |
|                            |              |                    | 3500K          | 3,550  | 111 lm/W |               |                      |     |
|                            |              |                    | 4000K          | 3,600  | 113 lm/W |               |                      |     |
|                            |              |                    | 5000K          | 3,600  | 113 lm/W |               |                      |     |
|                            |              | 28W                | 2700K          | 3,000  | 107 lm/W |               |                      |     |
|                            |              |                    | 3000K          | 3,100  | 111 lm/W |               |                      |     |
|                            |              |                    | 3500K          | 3,150  | 113 lm/W |               |                      |     |
|                            |              |                    | 4000K          | 3,200  | 114 lm/W |               |                      |     |
|                            |              |                    | 5000K          | 3,200  | 114 lm/W |               |                      |     |
|                            |              | 24W                | 2700K          | 2,600  | 108 lm/W |               |                      |     |
|                            |              |                    | 3000K          | 2,700  | 113 lm/W |               |                      |     |
|                            |              |                    | 3500K          | 2,800  | 117 lm/W |               |                      |     |
|                            |              |                    | 4000K          | 2,850  | 119 lm/W |               |                      |     |
|                            |              |                    | 5000K          | 2,850  | 119 lm/W |               |                      |     |
|                            |              | 20W                | 2700K          | 2,300  | 115 lm/W |               |                      |     |
|                            |              |                    | 3000K          | 2,400  | 120 lm/W |               |                      |     |
|                            |              |                    | 3500K          | 2,500  | 125 lm/W |               |                      |     |
|                            |              |                    | 4000K          | 2,550  | 128 lm/W |               |                      |     |
|                            |              |                    | 5000K          | 2,550  | 128 lm/W |               |                      |     |

# KT-RDLEDXXPS-XA-9CSF-CDIM

## LED COMMERCIAL DOWNLIGHT

### PERFORMANCE SPECIFICATIONS DETAILED (continued)

| Catalog Number            | Nominal Size | Selectable Wattage | Selectable CCT | Lumens | Efficacy | Input Voltage | Dimmable             | CRI |
|---------------------------|--------------|--------------------|----------------|--------|----------|---------------|----------------------|-----|
| KT-RDLED30PS-8A-9CSF-CDIM | 8"           | 30W                | 2700K          | 3000   | 100 lm/W | 120-277V      | 0-10V, Phase Dimming | >90 |
|                           |              |                    | 3000K          | 3200   | 107 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 3300   | 110 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 3350   | 112 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 3350   | 112 lm/W |               |                      |     |
|                           |              | 27W                | 2700K          | 2900   | 107 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 3000   | 111 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 3150   | 117 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 3200   | 119 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 3200   | 119 lm/W |               |                      |     |
|                           |              | 23W                | 2700K          | 2400   | 104 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 2500   | 109 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 2650   | 115 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 2700   | 117 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 2700   | 117 lm/W |               |                      |     |
|                           |              | 20W                | 2700K          | 2200   | 110 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 2300   | 115 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 2400   | 120 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 2450   | 123 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 2450   | 123 lm/W |               |                      |     |
|                           |              | 16W                | 2700K          | 1850   | 116 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 1900   | 119 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 2000   | 125 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 2050   | 128 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 2050   | 128 lm/W |               |                      |     |

# KT-RDLEDXXPS-XA-9CSF-CDIM

## LED COMMERCIAL DOWNLIGHT

### PERFORMANCE SPECIFICATIONS DETAILED (continued)

| Catalog Number            | Nominal Size | Selectable Wattage | Selectable CCT | Lumens | Efficacy | Input Voltage | Dimmable             | CRI |
|---------------------------|--------------|--------------------|----------------|--------|----------|---------------|----------------------|-----|
| KT-RDLED24PS-6A-9CSF-CDIM | 6"           | 24W                | 2700K          | 2400   | 102 lm/W | 120-277V      | 0-10V, Phase Dimming | >90 |
|                           |              |                    | 3000K          | 2500   | 108 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 2600   | 113 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 2650   | 115 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 2650   | 115 lm/W |               |                      |     |
|                           |              | 21W                | 2700K          | 2200   | 105 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 2300   | 110 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 2350   | 112 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 2400   | 114 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 2400   | 114 lm/W |               |                      |     |
|                           |              | 18.5W              | 2700K          | 1950   | 105 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 2000   | 108 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 2150   | 116 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 2200   | 119 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 2200   | 119 lm/W |               |                      |     |
|                           |              | 13W                | 2700K          | 1450   | 112 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 1500   | 115 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 1550   | 119 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 1600   | 123 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 1600   | 123 lm/W |               |                      |     |
|                           |              | 9.5W               | 2700K          | 1050   | 111 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 1100   | 116 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 1150   | 121 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 1200   | 126 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 1225   | 126 lm/W |               |                      |     |

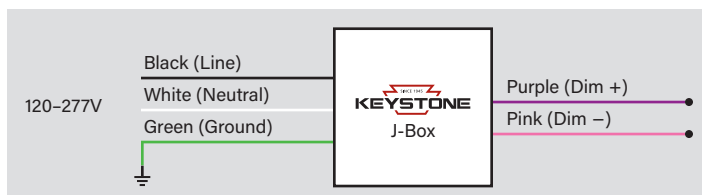
# KT-RDLEDXXPS-XA-9CSF-CDIM

## LED COMMERCIAL DOWNLIGHT

### PERFORMANCE SPECIFICATIONS DETAILED (continued)

| Catalog Number            | Nominal Size | Selectable Wattage | Selectable CCT | Lumens | Efficacy | Input Voltage | Dimmable             | CRI |
|---------------------------|--------------|--------------------|----------------|--------|----------|---------------|----------------------|-----|
| KT-RDLED13PS-4A-9CSF-CDIM | 4"           | 13W                | 2700K          | 1250   | 96 lm/W  | 120-277V      | 0-10V, Phase Dimming | >90 |
|                           |              |                    | 3000K          | 1300   | 100 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 1400   | 108 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 1450   | 112 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 1450   | 112 lm/W |               |                      |     |
|                           |              | 10W                | 2700K          | 1100   | 110 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 1100   | 110 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 1150   | 115 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 1250   | 125 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 1250   | 125 lm/W |               |                      |     |
|                           |              | 9W                 | 2700K          | 950    | 106 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 1000   | 111 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 1050   | 117 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 1100   | 122 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 1100   | 122 lm/W |               |                      |     |
|                           |              | 7W                 | 2700K          | 800    | 114 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 815    | 116 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 850    | 118 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 900    | 121 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 900    | 121 lm/W |               |                      |     |
|                           |              | 5.5W               | 2700K          | 650    | 109 lm/W |               |                      |     |
|                           |              |                    | 3000K          | 700    | 114 lm/W |               |                      |     |
|                           |              |                    | 3500K          | 700    | 115 lm/W |               |                      |     |
|                           |              |                    | 4000K          | 750    | 118 lm/W |               |                      |     |
|                           |              |                    | 5000K          | 750    | 118 lm/W |               |                      |     |

### WIRING DIAGRAM



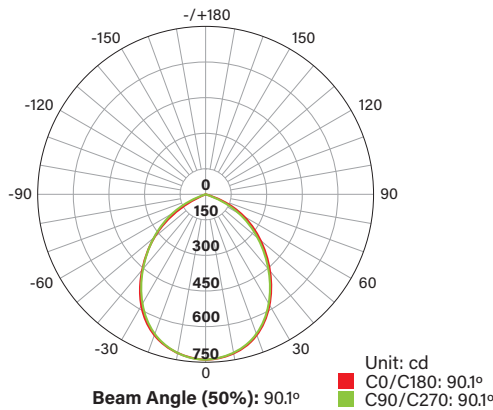
# KT-RDLEDXXPS-XA-9CSF-CDIM

## LED COMMERCIAL DOWNLIGHT

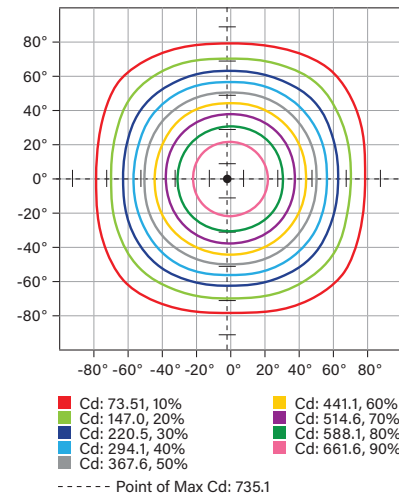
### PHOTOMETRIC SPECIFICATIONS (KT-RDLED13PS-4A-9CSF-CDIM)

KT-RDLED13PS-4A-9CSF-CDIM

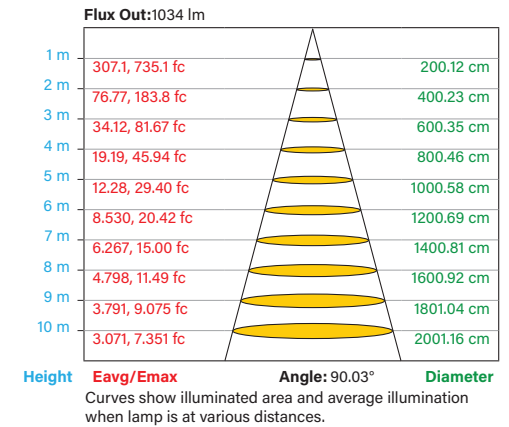
#### POLAR CANDELA DISTRIBUTION



#### ISOCANDELA PLOT

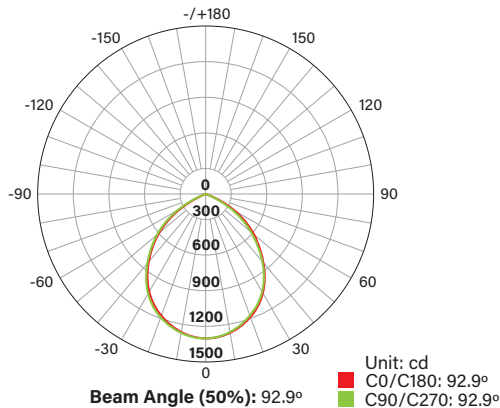


#### LUX DISTANCE CURVE

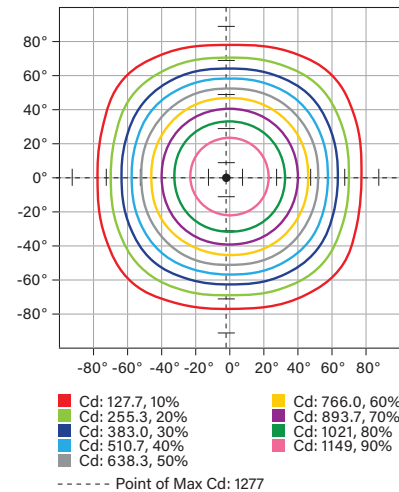


### PHOTOMETRIC SPECIFICATIONS (KT-RDLED24PS-6A-9CSF-CDIM)

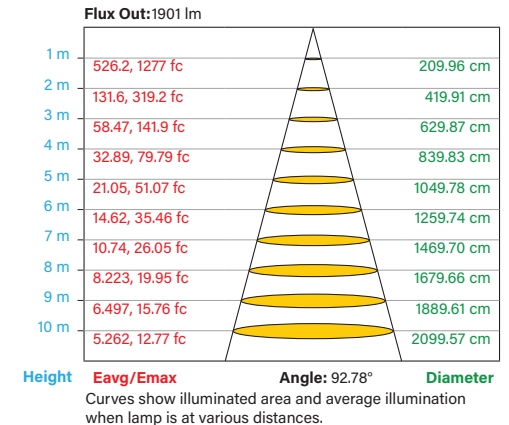
#### POLAR CANDELA DISTRIBUTION



#### ISOCANDELA PLOT



#### LUX DISTANCE CURVE

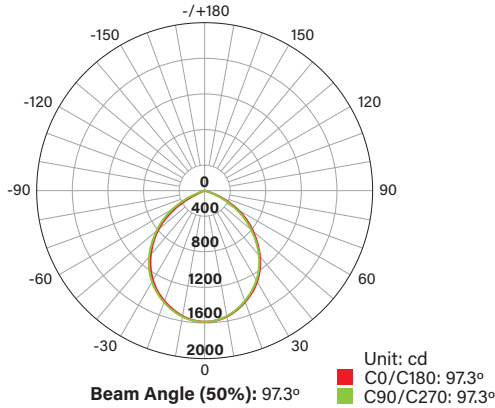


# KT-RDLEDXXPS-XA-9CSF-CDIM

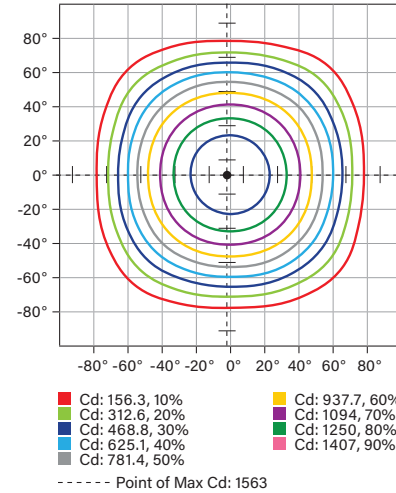
## LED COMMERCIAL DOWNLIGHT

### PHOTOMETRIC SPECIFICATIONS (KT-RDLED30PS-8A-9CSF-CDIM)

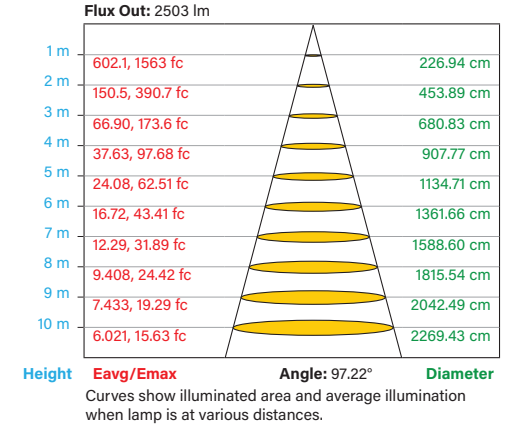
#### POLAR CANDELA DISTRIBUTION



#### ISOCANDELA PLOT

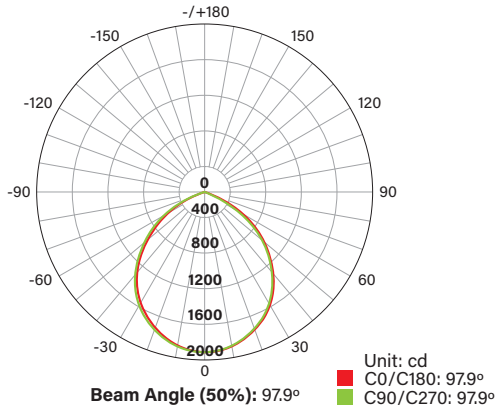


#### LUX DISTANCE CURVE

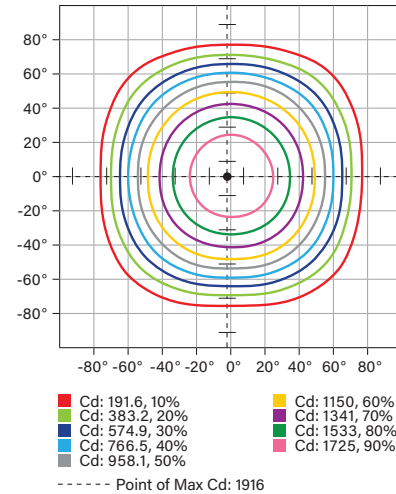


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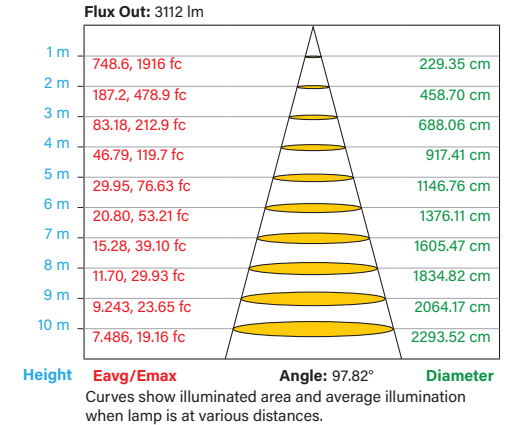
#### POLAR CANDELA DISTRIBUTION



#### ISOCANDELA PLOT



#### LUX DISTANCE CURVE

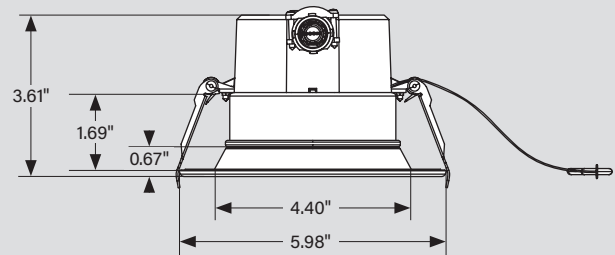
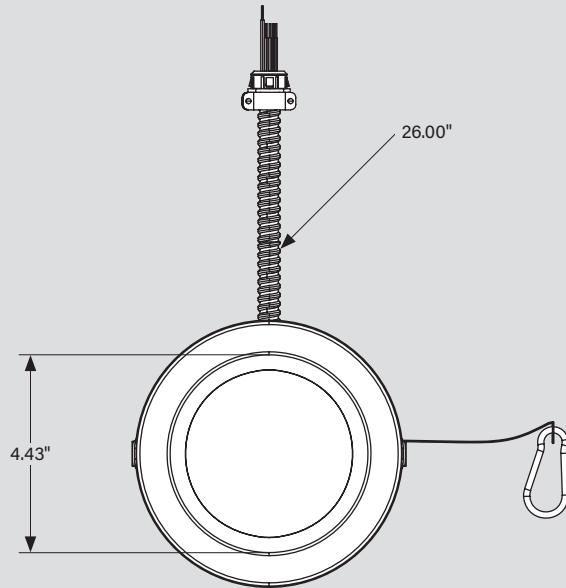


# KT-RDLEDXXPS-XA-9CSF-CDIM

## LED COMMERCIAL DOWNLIGHT

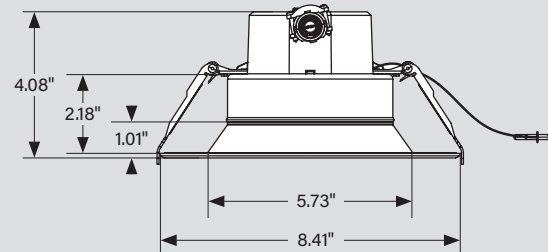
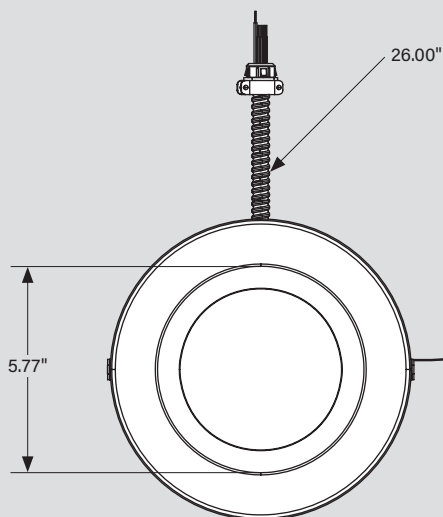
### PHYSICAL SPECIFICATIONS

KT-RDLED13PS-4A-9CSF-CDIM



| Catalog Number            | Cut-Out (Min to Max) |
|---------------------------|----------------------|
| KT-RDLED13PS-4A-9CSF-CDIM | Ø 4.52" to Ø 5.67"   |

KT-RDLED24PS-6A-9CSF-CDIM



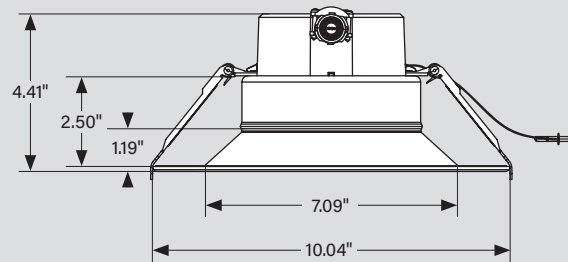
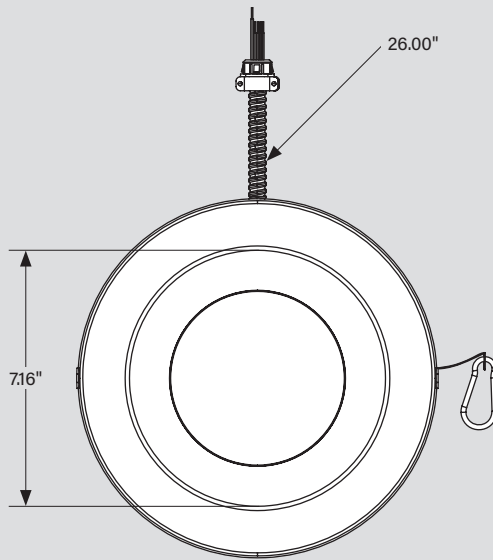
| Catalog Number            | Cut-Out (Min to Max) |
|---------------------------|----------------------|
| KT-RDLED24PS-6A-9CSF-CDIM | Ø 5.89" to Ø 8.10"   |

# KT-RDLEDXXPS-XA-9CSF-CDIM

## LED COMMERCIAL DOWNLIGHT

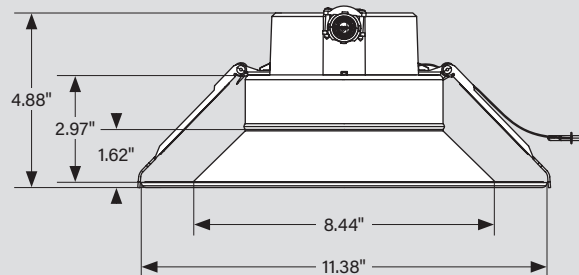
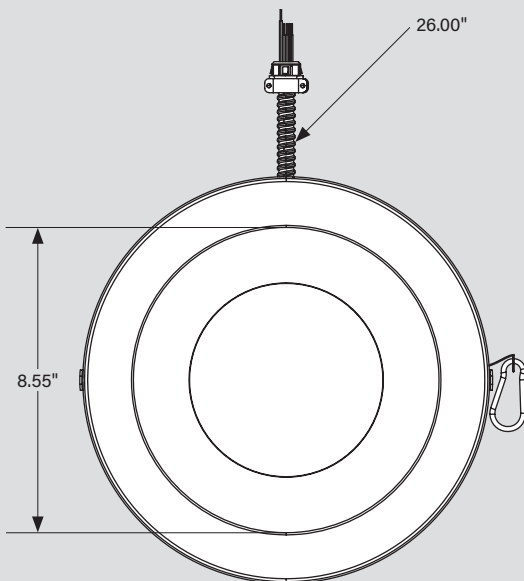
### PHYSICAL SPECIFICATIONS (CONTINUED)

#### KT-RDLED30PS-8A-9CSF-CDIM



| Catalog Number            | Cut-Out (Min to Max) |
|---------------------------|----------------------|
| KT-RDLED30PS-8A-9CSF-CDIM | Ø 7.09" to Ø 9.72"   |

#### KT-RDLED38PS-10A-9CSF-CDIM



| Catalog Number             | Cut-Out (Min to Max) |
|----------------------------|----------------------|
| KT-RDLED38PS-10A-9CSF-CDIM | Ø 8.47" to Ø 10.98"  |

# KT-RDLEDXXPS-XA-9CSF-CDIM

## LED COMMERCIAL DOWNLIGHT

### OPTIONAL ACCESSORIES (SOLD SEPARATELY)

#### INTERCHANGEABLE TRIM

| Catalog Number       | Description                                                                 | UPC          | Easy Code |
|----------------------|-----------------------------------------------------------------------------|--------------|-----------|
| KT-RDLED-4A-WW-TRIM  | 4" Wall Wash Trim for Recessed Commercial Downlights, White                 | 843654169057 | GW-89     |
| KT-RDLED-4A-SR-TRIM  | 4" Hazy Specular Reflector with White Flange Trim for Commercial Downlights | 843654169095 | QSO-54    |
| KT-RDLED-6A-MB-TRIM  | 6" Interchangeable trim for 6" recessed downlights; Matte black             | 843654137155 | TCP-85    |
| KT-RDLED-6A-BN-TRIM  | 6" Interchangeable trim for 6" recessed downlights; Brushed nickel          | 843654137186 | CZZ-70    |
| KT-RDLED-6A-BR-TRIM  | 6" Interchangeable trim for 6" recessed downlights; Bronze                  | 843654137216 | CUN-05    |
| KT-RDLED-6A-WW-TRIM  | 6" Wall Wash Trim for Recessed Commercial Downlights, White                 | 843654169064 | VBH-02    |
| KT-RDLED-6A-SR-TRIM  | 6" Hazy Specular Reflector with White Flange Trim for Commercial Downlights | 843654169101 | MXS-27    |
| KT-RDLED-8A-MB-TRIM  | 8" Interchangeable trim for 8" recessed downlights; Matte black             | 843654137162 | XEY-99    |
| KT-RDLED-8A-BN-TRIM  | 8" Interchangeable trim for 8" recessed downlights; Brushed nickel          | 843654137193 | VKJ-61    |
| KT-RDLED-8A-BR-TRIM  | 8" Interchangeable trim for 8" recessed downlights; Bronze                  | 843654137223 | MSA-34    |
| KT-RDLED-8A-WW-TRIM  | 8" Wall Wash Trim for Recessed Commercial Downlights, White                 | 843654169071 | OSI-29    |
| KT-RDLED-8A-SR-TRIM  | 8" Hazy Specular Reflector with White Flange Trim for Commercial Downlights | 843654169118 | LMT-71    |
| KT-RDLED-10A-MB-TRIM | 10" Interchangeable trim for 10" recessed downlights; Matte black           | 843654137179 | HWB-59    |
| KT-RDLED-10A-BN-TRIM | 10" Interchangeable trim for 10" recessed downlights; Brushed nickel        | 843654137209 | NLB-18    |
| KT-RDLED-10A-BR-TRIM | 10" Interchangeable trim for 10" recessed downlights; Bronze                | 843654137230 | KSN-09    |



#### GOOF RING

| Catalog Number    | Description                                                      | UPC          | Easy Code |
|-------------------|------------------------------------------------------------------|--------------|-----------|
| KT-RDLED-6A-GOOF  | 6" Goof ring for 6" recessed downlights; 10.51" outer diameter   | 843654137247 | LFJ-16    |
| KT-RDLED-8A-GOOF  | 8" Goof ring for 8" recessed downlights; 12.51" outer diameter   | 843654137254 | UDK-67    |
| KT-RDLED-10A-GOOF | 10" Goof ring for 10" recessed downlights; 14.17" outer diameter | 843654137261 | XHZ-21    |



#### JUNCTION BOX

| Catalog Number      | Description                          | UPC          | Easy Code |
|---------------------|--------------------------------------|--------------|-----------|
| KT-RDLED-JBOX-1-KIT | Junction box for recessed downlights | 843654137278 | HJA-70    |



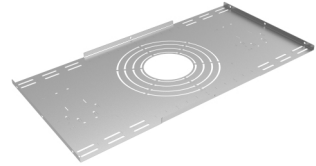
# KT-RDLEDXXPS-XA-9CSF-CDIM

## LED COMMERCIAL DOWNLIGHT

### OPTIONAL ACCESSORIES (SOLD SEPARATELY) (continued)

#### NEW-CONSTRUCTION PLATE

| Catalog Number   | Description                                    | UPC          | Easy Code |
|------------------|------------------------------------------------|--------------|-----------|
| KT-RDLED-PLATE-1 | New-construction plate for recessed downlights | 843654137285 | BMS-81    |



### ORDERING INFORMATION

| CATALOG NUMBER             | CARTON QTY | UPC          | EASY CODE |
|----------------------------|------------|--------------|-----------|
| KT-RDLED13PS-4A-9CSF-CDIM  | 1          | 843654168852 | QWE-95    |
| KT-RDLED24PS-6A-9CSF-CDIM  | 1          | 843654168869 | QAS-24    |
| KT-RDLED30PS-8A-9CSF-CDIM  | 1          | 843654168876 | GJA-60    |
| KT-RDLED38PS-10A-9CSF-CDIM | 1          | 843654168883 | ADT-41    |

### CATALOG NUMBER BREAKDOWN

# KT-RDLEDXXPS-XA-9CSF-CDIM

**1** **2** **3** **4** **5** **6** **7** **8** **9** **10**

- 1** Keystone Technologies
- 2** Recessed Downlight LED Fixture
- 3** Wattage
- 4** Power Select
- 5** Nominal Size
- 6** Style
- 7** 90 CRI
- 8** Color Select
- 9** Color Select Designation
- 10** 0-10V Dimming

#### 3 Wattage

|    |     |
|----|-----|
| 13 | 13W |
| 24 | 24W |
| 30 | 30W |
| 38 | 38W |

#### 5 Nominal Size

|    |     |
|----|-----|
| 4  | 4"  |
| 6  | 6"  |
| 8  | 8"  |
| 10 | 10" |

#### 9 Color Select Designation

|          |                                   |
|----------|-----------------------------------|
| <b>F</b> | 2700K, 3000K, 3500K, 4000K, 5000K |
|----------|-----------------------------------|

#### 10 Dimming

|             |                     |
|-------------|---------------------|
| <b>CDIM</b> | Combination Dimming |
|-------------|---------------------|