

# SIMPLESEAL™

## CTD SERIES – LED – TEAR DROP

### PRODUCT FEATURES:

- » Surface grid mount – 4' and 8' lengths
- » Available White LED or Narrow-spectrum 570nm amber LED
- » ISO Class 3 (Fed-Std 209E/Class 1)
- » Optical system reduces glare and improves visibility
- » Low profile construction for modern aesthetic



### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

### SPECIFICATIONS:

**HOUSING:** Extruded marine-grade aluminum with white TGIC polyester powder coat finish – 5-step pretreatment; laboratory salt spray test: 1,000 hours (standard).

**END CAPS:** 10 gauge Aluminum with flattened 1/2" trade size knockout each end. Finish matches housing.

**LENS:** UV-stabilized, impact-resistant extruded frost acrylic. Smooth exterior with snap-in tool-less entry design.

**ELECTRICAL:** Serviceable mid-power white LED arrays in 3500K, 4000K and 5000K color temperatures with maximum 3-step MacAdam variation allowance. Minimum 82 CRI. Available 570nm amber (115nm FWHM bandwidth) mid-power LED arrays produce no ultraviolet (UV) and less than 0.019W of light below 480nm. 120-277VAC or 347VAC, 50/60Hz electrical input with replaceable high power factor electronic, constant-current driver (<10% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% dimming with dim-to-dark capabilities; 330µA max. source current. Optional DALI driver with 1-100% dimming range.

**INSTALLATION:** Intended for surface mount to t-bar grid (see Installation Details). Two (2) .281" mounting holes for 4' fixture. Four (4) mounting holes for 8' fixture. 1/2 knockout in center rear and one flattened knockout on each endcap.

**WARRANTY:** Limited five (5) year LED warranty.

**LISTINGS:** Luminaire is certified to UL standards by Intertek Testing Laboratory for Damp Location. IP53 rating per IEC60598. FED-STD 209E/Class 1 (ISO 3) Cleanrooms.



### ORDERING INFORMATION (Ex: CTD-4-45L-40K8-DIM1-DV-LEL)

Model	Length	Lamp Power	Lamp Color	Driver Type	Voltage	Options
<b>CTD</b>						
	<b>Length</b>	<b>Lamp Power</b>			<b>Voltage</b>	
	<b>4</b> 4' Length	<b>45L</b> 45 Watt White LED (4' only)			<b>DV</b> 120-277 Volts	
	<b>8</b> 8' Length	<b>45A</b> 45 Watt 570nm Amber (4' only)			<b>347</b> 347 Volts	
		<b>90L</b> 90 Watt White LED (8' only)				<b>Options</b>
		<b>90A</b> 90 Watt 570nm Amber (8' only)				<b>LEL*</b> 6W Self-Testing Emergency Battery Backup with Side-Mounted Test Button
		<b>Lamp Color*</b>				<b>FS</b> Fuse & Holder
		<b>35K8</b> 3500K / 80CRI min.				
		<b>40K8</b> 4000K / 80CRI min.				
		<b>50K8</b> 5000K / 80CRI min.				
		<b>Driver Type</b>				
		<b>DIM1</b> 0-10V Dimming to 1%				
		<b>DALI*</b> DALI Dimming to 1%				
						* n/a with 347V input
						▲ n/a with Amber Lamp Power



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## CTD SERIES – LED – TEAR DROP

### PERFORMANCE – WHITE

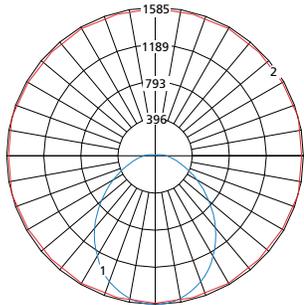
Model	Lamp Power	Initial Delivered Lumens, by Lamp Color (lm)			Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (hrs)
		30K8	40K8	50K8			
CTD-4	45L	5,789	5,981	6,160	110 - 117	53	100,000
CTD-8	90L	11,579	11,962	12,320	110 - 117	106	100,000

### PERFORMANCE – AMBER

Model	Lamp Power	Initial Delivered Lumens (lm)	Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (hrs)
CTD-4	45A	4,241	82	52	100,000
CTD-8	90A	8,482	82	104	100,000

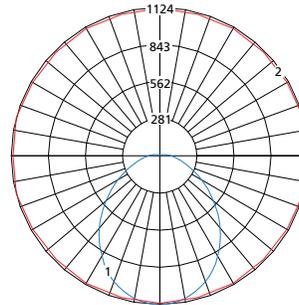
Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For photometric data, please go to [www.kenall.com](http://www.kenall.com).

Model: CTD-4-45L-40K8-yyyy-zzz (White)



Maximum Candela = 1585 Located At Horizontal Angle = 15, Vertical Angle = 2.5  
 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

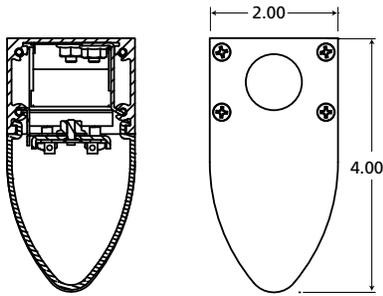
Model: CTD-4-45A-yyyy-zzz (Amber)



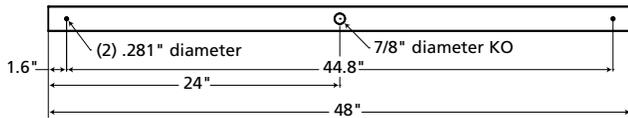
Maximum Candela = 1124 Located At Horizontal Angle = 15, Vertical Angle = 2.5  
 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

### DIMENSIONAL DATA

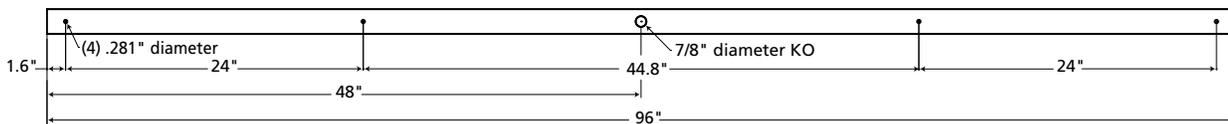
#### CROSS SECTION



#### 4' MOUNTING HOLES/WIRE-FEED



#### 8' MOUNTING HOLES/WIRE-FEED



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