LUCETTA®

CELESTE® WARM DIM 24V
Linear Lighting

Flexible linear lighting that dims like halogen and incandescent lights. Outstanding color rendering delivers convincing warm colors for immersive environments.

Date

Project Notes

12 Year Warranty	IP20	24 VDC	NEC 410.16.A.3 & 410.16.C.5 CLOSET RATED	TITLE 24

FEATURES

- Realistically mimics halogen and incandescent sources
- Warm-glow function with no accessories needed (on-board control)
- 98+ CRI and unmatched performance for R9/R13, Fidelity, and Gamut
- Pair with 15+ channel profiles
- Factory or field assembly
- Simple installation
- 12-year warranty

ORDERING CODES
Order spools, and components for field assembly

OPTIONAL ORDERING CODES
Add Assembly Preferences, Finish, Lens, Mounting, Driver, and Delivery

	Voltage/Model	CCT	Length	Channels				Finish	Lens	Mounting	Driver	Delivery
VIP												
	24CEL100	DW1827 (1800K-2700K)	100 (100 feet)	A1 (A1)	S45 (S45)	45 (45°)	MI2 (2-inch Mud-In)	AL (Aluminum)	*blank* (Classic Frosted Lens)	3M (3M Adhesive)	JM (Justin Magnetic)	Field Assembly
		DW2035 (2000K-3500K)		A2 (A2)	SL (Slim)	SQ20 (20mm Square)	ROD (Rod)	BL (Black)	AFS (Arch. Frosted Satin Lens)	MC (Mounting Clip)	PoE (Power over Ethernet)	Factory + Field (Hybrid)
				A3 (A3)	SQ (Square)	RC20 (20mm Round)	90 (90° Sideview)	WH (White)	BL (Black Lens)	RC (Rotating Clip)		Factory Assembly
				S1 (S1)	REC (Recessed)	16 (16mm Square)			CLT (Arch. Clear Lens)	CHN (Mounting Channel)		
				S2 (S2)	45DCO (45° Deco)	MI1 (1-inch Mud-In)			FRT (Arch. Frosted Lens)			
									OPT (Opal Lens)			
									PD (Prem. Diffusion Lens)			

See page 2 for Channel / Lens / Mounting compatibility

CELESTE® WARM DIM - SPECIFICATION TABLE

Models	24CEL100-DW1827	24CEL100-DW2035
Voltage	24VDC	24VDC
Wattage	2.4W/ft.	2.4W/ft.
Lumens 1800K-2700K	1800K: 20 Lm/ft. 2200K: 41 Lm/ft. 2700K: 123 Lm/ft.	-
2000K-3500K	-	2000K: 21 Lm/ft. 2700K: 51 Lm/ft. 3500K: 154 Lm/ft.
Cut Points	2 in.	2 in.
Max Run (ft.)	30 ft.	30 ft.
CRI	95	95
Dimensions	0.375 × 0.05 in. (W x H)	0.375 × 0.05 in. (W x H)
Luminous Efficacy	51.7 - 55.5 Lm/ft.	56.8 - 58.33 Lm/ft.
SDCM Steps	Single Step MacAdam Ellipse	Single Step MacAdam Ellipse
TM-21 (LM-80)	>50,000 hours	>50,000 hours
Gold Plated PCB	Yes	Yes
Environment	Indoor / Damp Location (IP20)	Indoor / Damp Location (IP20)
Lead Wire A	36 in. Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief	36 in. Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief
Lead Wire B	36 in. Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief	36 in. Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief
LED Chips	72/ft.	72/ft.
Certification	UL Listed 2108	UL Listed 2108
Warranty	12 Year	12 Year

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CHANNEL / LENS / MOUNTING COMPATIBILITY

Channel	Compatible Lenses	Available Finishes	Mounting Options
A1 (A1)	FRT	AL / WH / BL	UC
A2 (A2)	CLT / FRT / AFS	AL / WH / BL	UC
A3 (A3)	CLT / FRT / AFS	AL / WH / BL	UC
S1 (S1)	*blank*	AL	UC
S2 (S2)	*blank*	AL	UC
S45 (S45)	*blank*	AL	UC
SL (Slim)	*blank* / CLT / FRT / BL / PD	AL / WH / BL	MC / 3M / MAG
SQ (Square)	*blank* / CLT / FRT / BL / PD	AL / WH / BL	MC / VC / RC / HNG
REC (Recessed)	*blank*	AL	3M
45DCO (45° Deco)	*blank*	AL	MC
45 (45°)	*blank* / CLT / FRT / BL / PD	AL / WH / BL	MC / VC / RC / HNG
SQ20 (20mm Square)	*blank*	AL	UC
RC20 (20mm Round)	*blank*	AL	UC
16 (16mm Square)	FRT	AL	MC
MI1 (1-inch Mud-In)	OPT	AL	
MI2 (2-inch Mud-In)	OPT	AL	
ROD (Rod)	*blank*	AL	RC / CLO / ART / ARM
90 (90° Sideview)	*blank*	AL	MC

LEGEND

Lens	
blank	Classic Frosted Lens
AFS	Architectural Frosted Satin Lens
BL	Black Lens
CLT	Architectural Clear Lens
FRT	Architectural Frosted Lens
OPT	Opal Lens
PD	Premium Diffusion Lens

Finish	
AL	Aluminum
WH	White
BL	Black

Mounting	
3M	3M Adhesive
ARM	Wall Arm
ART	Art Lighting Arm
CLO	Closet Mount
HNG	Hanging Hardware
MAG	Magnetic Clip
MC	Mounting Clip
RC	Rotating Clip
UC	U-Clip
VC	Vertical Clip

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RECOMMENDED CHANNELS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
A1 Channel VIP-CHB-A1 (A1) 48", 90" Aluminum, White, Black For 14mm Tape Lights or smaller	Height (H): 0.81 in. Width (W): 0.87 in. Interior Depth (ID): 0.45 in. Interior Width (IW): 0.79 in.	48" Aluminum, Black, & White Channels • 48 in. channel & lens • 2x surface mounting clips • 1 retaining clip • End caps: 1x open, 1x closed. 90" Aluminum, Black, & White Channels • 90 in. channel & lens • 4x surface mounting clips • 2x strain relief clip • End caps: 2x open, 2x closed, 2x slotted	Soldered Lead Only	Architectural Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 120° Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K • IP Rating Shift: IP40	U-Clip: 0.82 × 0.88 in. (H x W)
A2 Channel VIP-CHB-A2 (A2) 48", 96" Aluminum, White, Black For 12mm Tape Lights or smaller	Height (H): 0.55 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.49 in.	48" Aluminum, Black, & White Channels • 48 in. channel & lens • 2x surface mounting clips • End caps: 1x open, 1x closed. 96" Aluminum, Black, & White Channels • 96 in. channel & lens • 4x surface mounting clips • End caps: 2x open, 2x closed.	Soldered Lead Only	Architectural Frosted Satin Lens CELESTE® WARM DIM - 24CEL100: Dotless Architectural Frosted Lens 24CEL100: Dotless For diffusion options not listed, refer to A2 Channel Specification Sheet.	• Beam Angle: 120° Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Architectural Frosted Satin Lens • Light Loss: 45% • CCT Shift: -80K • IP Rating Shift: IP40	U-Clip: 0.56 × 0.64 in. (H x W)
A3 Channel VIP-CHB-A3 (A3) 48", 96" Aluminum, White, Black For 12mm Tape Lights or smaller	Height (H): 0.39 in. Width (W): 0.63 in. Interior Depth (ID): 0.33 in. Interior Width (IW): 0.49 in.	48" Aluminum, Black, & White Channels • 48 in. channel & lens • 2x surface mounting clips • End caps: 1x open, 1x closed. 96" Aluminum, Black, & White Channels • 96 in. channel & lens • 4x surface mounting clips • End caps: 2x open, 2x closed.	Soldered Lead Only	Architectural Frosted Satin Lens CELESTE® WARM DIM - 24CEL100: Dotless Architectural Frosted Lens 24CEL100: Dotless For diffusion options not listed, refer to A3 Channel Specification Sheet.	• Beam Angle: 120° Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Architectural Frosted Satin Lens • Light Loss: 45% • CCT Shift: -80K • IP Rating Shift: IP40	U-Clip: 0.4 × 0.64 in. (H x W)
S1 Channel DI-CHB-S1 (S1) 48", 90" Aluminum For 14mm Tape Lights or smaller	Height (H): 0.31 in. Width (W): 0.67 in. Interior Depth (ID): 0.25 in. Interior Width (IW): 0.58 in.	48 in. channel & frosted cover 2x surface mounting clips End caps: 1x open, 1x closed.	Soldered Lead Only	Classic Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 120° Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40	U-Clip: 0.32 × 0.68 in. (H x W)

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RECOMMENDED CHANNELS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
S2 Channel DI-CHB-S2 (S2) 48", 96" Aluminum For 14mm Tape Lights or smaller	Height (H): 0.57 in. Width (W): 0.74 in. Interior Depth (ID): 0.34 in. Interior Width (IW): 0.63 in.	48 in. Channel & Frosted Lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws 96 in. Channel & Frosted Lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws	Soldered Lead Only	Classic Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 120º Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40	U-Clip: 0.58 × 0.75 in. (H x W)
S45 Channel DI-CHB-S45 (S45) 48", 96" Aluminum For 14mm Tape Lights or smaller	Height (H): 0.78 in. Width (W): 0.78 in. Interior Depth (ID): 0.54 in. Interior Width (IW): 0.6 in.	48 in. Channel & Frosted Lens, 1 open end cap, 1 closed end cap, 2 mounting clips, 2 mounting screws 96 in. Channel & Frosted Lens, 2 open end cap, 2 closed end cap, 4 mounting clips, 4 mounting screws	Soldered Lead Only	Classic Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 120º Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40	U-Clip: 0.79 × 0.79 in. (H x W)
Slim Channel DI-CPCHB-SL (SL) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller	Height (H): 0.38 in. Width (W): 0.82 in. Interior Depth (ID): 0.3 in. Interior Width (IW): 0.67 in.	48" Aluminum, Black, & White Channels • 48 in. channel & lens • 2x surface mounting clips • End caps: 1x open, 1x closed 96" Aluminum, Black, & White Channels • 96 in. channel & lens • 4x surface mounting clips • end caps: 2x open, 2x closed	Soldered Lead Only	Architectural Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless Premium Diffusion Lens 24CEL100: Dotless For diffusion options not listed, refer to Slim Channel Specification Sheet.	• Beam Angle: 120º Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K Black Lens • Light Loss: 90% • CCT Shift: -350K Premium Diffusion Lens • Light Loss: 10% • CCT Shift: -30K • IP Rating Shift: IP40	Slim Mount: 0.54 × 0.87 in. (H x W) 3M Adhesive: 0.48 × 0.82 in. (H x W) Magnetic U-Clip: 0.59 × 0.82 in. (H x W) Premium Diffusion: 0.96 × 0.82 in. (H x W)
Square Channel DI-CPCHB-SQ (SQ) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller	Height (H): 0.55 in. Width (W): 0.82 in. Interior Depth (ID): 0.27 in. Interior Width (IW): 0.67 in.	48" Aluminum Channel • 48 in. channel & frosted lens • 2x surface mounting clips • End caps: 1x open, 1x closed 48" Black & White Channels • 48 in. channel & clear, or frosted lens • 4x surface mounted clips • 2x End-to-end interconnects 96" Aluminum Channel • 96 in. channel & frosted lens • 4x surface mounting clips • End caps: 2x open, 2x closed. 96" Black & White Channels • 96 in. channel & clear, or frosted lens • 4x surface mounted clips • 2x End-to-end interconnects	Soldered Lead Only	Architectural Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless Premium Diffusion Lens 24CEL100: Dotless For diffusion options not listed, refer to Square Channel Specification Sheet.	• Beam Angle: 120º Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K Black Lens • Light Loss: 90% • CCT Shift: -350K Premium Diffusion Lens • Light Loss: 10% • CCT Shift: -30K • IP Rating Shift: IP40	Chromapath Surface Mount: 0.61 × 0.82 in. (H x W) Vertical Mount: 0.61 × 0.82 in. (H x W) Rotating Mount: 1.29 × 0.82 in. (H x W) Hanging Mount: 1.51 × 0.82 in. (H x W) Premium Diffusion: 1.13 × 0.82 in. (H x W)

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RECOMMENDED CHANNELS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
Recessed Channel DI-CPCHB-REC (REC) 48", 96" Aluminum For 14mm Tape Lights or smaller	Height (H): 0.49 in. Width (W): 1.03 in. Interior Depth (ID): 0.42 in. Interior Width (IW): 0.59 in. Cut Out Width (CO): 0.74 in. Recessed Wing (RW): 0.15 in. W / ID IW H / CO	48 in. channel & frosted lens 2x surface mounted clips end caps: 1x open, 1x closed 96 in. channel & frosted lens 4x surface mounted clips end caps: 2x open, 2x closed.	Soldered Lead Only	Classic Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 120º Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40	3M Adhesive: 0.59 × 1.03 in. (H x W) Recessed Mount: 0.49 × 1.03 in. (H x W)
45° Deco Channel DI-CPCHB-45DCO (45DCO) 48", 96" Aluminum For 10mm Tape Lights or smaller	Height (H): 0.73 in. Width (W): 0.73 in. Interior Depth (ID): 0.42 in. Interior Width (IW): 0.47 in. IW / H / ID W	48 in. channel & frosted cover Mounting hardware End caps: 1x open, 1x closed. 96 in. channel & frosted cover Mounting hardware End caps: 2x open, 2x closed.	Soldered Lead Only	Classic Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 120º Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40	Mounting Clip: 0.73 × 0.73 in. (H x W)
45° Channel DI-CPCHB-45 (45) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller	Height (H): 0.94 in. Width (W): 0.67 in. Interior Depth (ID): 0.32 in. Interior Width (IW): 0.67 in. IW / H / ID W	48" Aluminum, Black, & White Channels • 48 in. channel & clear, or frosted lens • 4x surface mounted clips • 2x End-to-end interconnects 96" Aluminum Channel • 96 in. channel & clear, or frosted lens • 8x surface mounted clips • 4x End-to-end interconnects 96" Black & White Channels • 96 in. channel & clear, or frosted lens • 4x surface mounted clips • 2x End-to-end interconnects	Soldered Lead Only	Architectural Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless Premium Diffusion Lens 24CEL100: Dotless For diffusion options not listed, refer to 45° Channel Specification Sheet.	• Beam Angle: 120º Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K Black Lens • Light Loss: 90% • CCT Shift: -350K Premium Diffusion Lens • Light Loss: 10% • CCT Shift: -30K • IP Rating Shift: IP40	Chromapath Surface Mount: 1 × 0.67 in. (H x W) Vertical Mount: 1 × 0.67 in. (H x W) Rotating Mount: 1.68 × 0.67 in. (H x W) Hanging Mount: 1.9 × 0.67 in. (H x W) Premium Diffusion: 1.52 × 0.67 in. (H x W)
20mm Square Channel DI-CPCHB-SQC20 (SQ20) 48", 96" Aluminum For 14mm Tape Lights or smaller	Height (H): 1.18 in. Width (W): 1.18 in. Interior Depth (ID): 0.84 in. Interior Width (IW): 0.84 in. IW / H / W	48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & frosted lens 4x surface mounting clips End caps: 2x open, 2x closed.	Soldered Lead Only	Classic Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 180º Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40	U-Clip: 1.19 × 1.19 in. (H x W)

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RECOMMENDED CHANNELS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
20mm Round Channel DI-CPCHB-RC20 (RC20) 48", 96" Aluminum For 14mm Tape Lights or smaller	Height (H): 1.18 in. Width (W): 1.18 in. Interior Depth (ID): 0.84 in. Interior Width (IW): 0.84 in.	48 in. channel & frosted lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & frosted lens 4x surface mounting clips End caps: 2x open, 2x closed.	Soldered Lead Only	Classic Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 180º Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40	U-Clip: 1.19 × 1.19 in. (H x W)
16mm Square Channel DI-CPCHB-16MM (16) 48", 96" Aluminum For 14mm Tape Lights or smaller	Height (H): 0.89 in. Width (W): 0.77 in. Interior Depth (ID): 0.58 in. Interior Width (IW): 0.63 in.	48 in. channel & Architectural Frosted Lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & Architectural Frosted Lens 4x surface mounting clips End caps: 2x open, 2x closed.	Soldered Lead Only	Architectural Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 120º Architectural Frosted Lens • Light Loss: 30% • CCT Shift: -35K Black Lens • Light Loss: 90% • CCT Shift: -350K • IP Rating Shift: IP40	Mounting Clip: 0.89 × 0.77 in. (H x W)
1-inch Mud-In Channel DI-CPCHB-MUD1 (MI1) 48", 96" Aluminum For 14mm Tape Lights or smaller	Height (H): 0.54 in. Width (W): 2.42 in. Interior Depth (ID): 0.44 in. Interior Width (IW): 0.81 in. Cut Out Width (CO): 1.19 in.	96 in. channel & opal lens 2x end-to-end connectors End caps: 2x open, 2x closed.	Soldered Lead Only	Opal Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 120º Opal Lens • Light Loss: 55% • CCT Shift: -200K • IP Rating Shift: IP40	Recessed Mount: 0.54 × 2.42 in. (H x W)
2-inch Mud-In Channel DI-CPCHB-MUD2 (MI2) 48", 96" Aluminum For 14mm Tape Lights or smaller	Height (H): 0.8 in. Width (W): 3.86 in. Interior Depth (ID): 0.69 in. Interior Width (IW): 1.84 in. Cut Out Width (CO): 1.97 in.	96 in. channel & opal lens 2x surface mounting clips End caps: 2x open, 2x closed.	Soldered Lead Only	Opal Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 120º Opal Lens • Light Loss: 55% • CCT Shift: -200K • IP Rating Shift: IP40	Recessed Mount: 0.8 × 3.86 in. (H x W)

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RECOMMENDED CHANNELS

MODEL	DIAGRAM	INCLUDED ACCESSORIES	CONNECTION OPTIONS	IN CHANNEL DIFFUSION	TECHNICAL RATINGS	MOUNTING OPTIONS WITH DIMENSIONS
Rod Channel DI-CPCHB-RDCL (ROD) 48", 96" Aluminum For 12mm Tape Lights or smaller	Height (H): 0.95 in. Width (W): 0.95 in. Interior Depth (ID): 0.5 in. Interior Width (IW): 0.48 in. Height W/o Cover (H/C): 0.72 in. W / IW / H/C	78.74 in. channel & frosted lens 1x open end-cap, 1x closed end-cap 4× 180º swivel brackets 2x Closet Mounting Brackets 2x Support Brackets	Soldered Lead Only	Classic Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 180º Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40	Rotating Mount: 1.69 × 0.95 in. (H x W) Closet Mount: 1.28 × 3.25 in. (H x W) Art Lighting Arm: 2.72 × 10.15 in. (H x W) Wall Arm: 4.5 × 2.15 in. (H x W)
90° Sideview Channel DI-CPCHB-90SD (90) 48", 96" Aluminum For 12mm Tape Lights or smaller	Height (H): 0.92 in. Width (W): 0.92 in. Interior Depth (ID): 0.3 in. Interior Width (IW): 0.48 in. Mounting Canal Width (MC): 0.25 in. W / IW ID / H MC 1.31 in.	48 in. channel & frosted cover Mounting hardware End caps: 1x open, 1x closed. 96 in. channel & frosted cover Mounting hardware End caps: 2x open, 2x closed.	Soldered Lead Only	Classic Frosted Lens CELESTE® WARM DIM - 24CEL100: Dotless	• Beam Angle: 120º Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40	Mounting Clip: 0.92 × 0.92 in. (H x W)

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RECOMMENDED 24V DRIVERS

SKU	INPUT VOLTAGE / FREQUENCY	OUTPUT VOLTAGE	MAXIMUM LOAD	MINIMUM LOAD	CLASS 2	DIMMABLE	LENGTH	WIDTH	HEIGHT
JUSTIN Inc. Magnetic Driver Compatible with a wide range of dimmers and control systems including Lutron Homeworks and its derivatives.						**Contains** • Additional Models • Additional Features • Derating Curves • System Diagrams			
481-24DCR	120VAC / 240VAC / 277VAC (50/60Hz)	24V	48W	>50% load is recommended for optimum dimming performance. Results may vary when dimming loads below 50% down to 10%	Yes	Yes, using Magnetic Low Voltage dimmer	11.25 in.	3.37 in.	3.25 in.
482-24DCR-240	120VAC / 240VAC / 277VAC (50/60Hz)	24V	48W	>50% load is recommended for optimum dimming performance. Results may vary when dimming loads below 50% down to 10%	Yes	Yes, using Magnetic Low Voltage dimmer	11.25 in.	3.37 in.	3.25 in.
483-24DCR-277	120VAC / 240VAC / 277VAC (50/60Hz)	24V	48W	>50% load is recommended for optimum dimming performance. Results may vary when dimming loads below 50% down to 10%	Yes	Yes, using Magnetic Low Voltage dimmer	11.25 in.	3.37 in.	3.25 in.
961-24DCR	120VAC / 240VAC / 277VAC (50/60Hz)	24V	96W	>50% load is recommended for optimum dimming performance. Results may vary when dimming loads below 50% down to 10%	Yes	Yes, using Magnetic Low Voltage dimmer	11.25 in.	3.37 in.	3.25 in.

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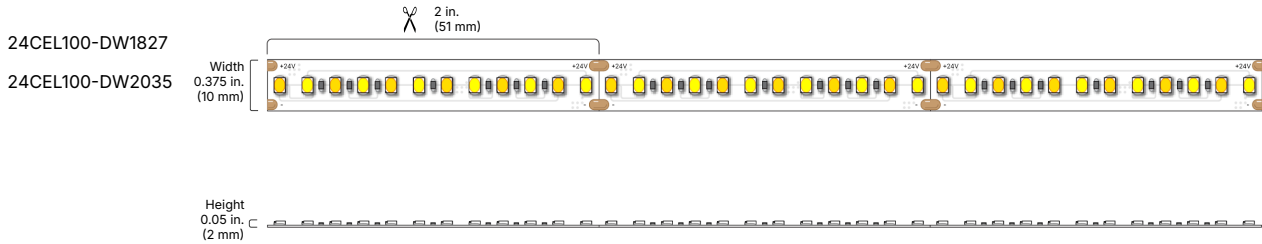
Date

Project Notes

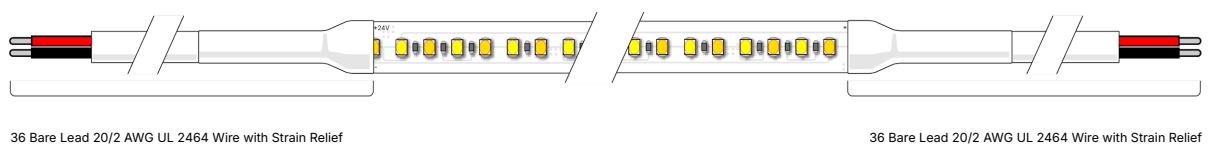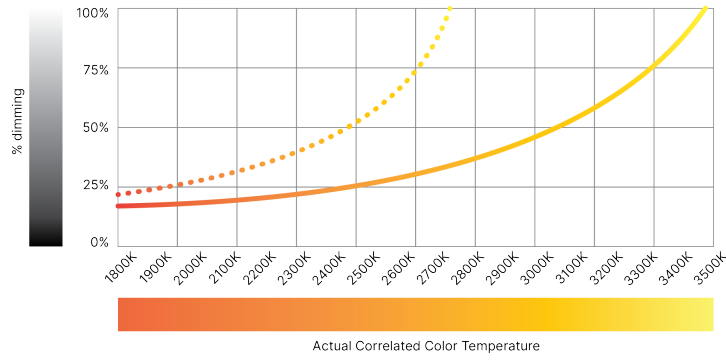| 12 Year Warranty | IP20 | 24 VDC | NEC CLOSET RATED | TITLE 24 |

MECHANICAL DIAGRAMS

24CEL100-DW1827

24CEL100-DW2035

✂ 2 in. (51 mm)

Width 0.375 in. (10 mm)

Height 0.05 in. (2 mm)

CONNECTIONS

36 Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief

36 Bare Lead 20/2 AWG UL 2464 Wire with Strain Relief

PHOTOMETRICS

Color Temperature vs Dimming Range

Actual Correlated Color Temperature

DELIVERY OPTIONS

- **Field Assembly**
  Fastest order fulfillment. Field connectors and accessories not included.

- **Factory + Field (Hybrid)**
  Onsite modifications with factory connection. Additional accessories not included.

- **Factory Assembly**
  Fastest Installation. Factory made-to-order fixtures.

- Lumen value measured in accordance to IES LM-80-08. LED chips have a luminous flux range with a tolerance of +/- 5%.

- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length. Max run may exceed Class 2 limit. Actual wattage may differ from calculated wattage due to voltage drop across run.

- Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.

- Actual efficacy value is dependent to specified LED driver (power supply). An estimated efficacy value can be calculated as follows: Lumen value divided by average power consumption per foot.

- Operating temperature is measured according to the minimum and maximum ambient temperature environment.

LUCETTA®

CELESTE® WARM DIM Linear Lighting
Specification Sheet

CELESTE® WARM DIM 24V
Linear Lighting

Flexible linear lighting that dims like halogen and incandescent lights. Outstanding color rendering delivers convincing warm colors for immersive environments.

Date

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12 Year Warranty | **IP20** | **24** VDC | **NEC** CLOSET RATED | **TITLE 24**

CERTIFICATIONS

Safety

- UL Listed 2108 Low Voltage Lighting System / Low Voltage Luminaire. UL 1598 / CSA 250.0-08, UL 8750. UL 879 / CAN/CSA-C22.2 no. 207-M89. Certified for United States and Canada. File # E469769.

- UL Listed Field Cuttable.

- UL Recognized Component - Sign Accessories. Available in UL Sign Components Manual (SAM Manual). File # E469770.

- CE & EMC Compliant: Verification No. GZEM141200683705V

Environment

- RoHS Compliant: Verification No. CANEC1610091501

Performance

- Can be used to comply with TITLE 24 Part 6 High Efficacy Lighting LED requirements - JA8-2016-2022-E

- LED chip data measured in accordance to IES LM-80-08.

- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Elemental LED's Innovation Lab.

Safety / Warnings / Disclosures

1. Install in accordance with national and local electrical code regulations.

2. This product is intended to be installed and serviced by a qualified, licensed electrician.

3. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.

4. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.

5. Tape light, attached wire leads, and additional extension cables, connectors, etc., are not rated for in-wall installation unless otherwise noted. Tape light and attached wire leads are field-cuttable.

6. Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.

7. Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.

8. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings.

9. Do not install indoor LED tape light products in outdoor / wet location environments. Only wet location tape light models are rated for outdoor / wet locations.

10. Do not modify product beyond instructions or warranty will be void.

11. Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.

12. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.

13. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

WARRANTY

Limited Warranty

- 12 Year limited warranty

This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.diodeled.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

Consumer's Acknowledgment

Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Elemental LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Elemental LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Elemental LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchase agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Elemental LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Elemental LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Elemental LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.