

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 _____



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) DW2035 (2000K-3500K) | 100 (100 feet) | S1 (S1) SL (SLIM) 45DCO (45° DECO) REC (RECESSED) S2 (S2) 16 (16MM) 90 (90° SIDEVIEW) SLR (SLIM RECESSED) S45 (S45) RC20 (20MM ROUND) REF (REFLECTOR) SCNC (SCONCE) A1 (A1) SQ20 (20MM SQUARE) ROD (ROD) GZR (GRAZER) A2 (A2) SQ (SQUARE) M11 (MUD-IN 1 IN.) WF (WAVEFORM) A3 (A3) 45 (45°) M12 (MUD-IN 2 IN.) | AL (Aluminum) BL (Black) WH (White) | *blank* (Classic Frosted Lens) AFR (Regress Lens) AFS (Arch. Frosted Satin Lens) BL (Black Lens) CLT (Arch. Clear Lens) FRT (Arch. Frosted Lens) PD (Prem. Diffusion Lens) | 3M (3M Adhesive) MC (Mounting Clip) RC (Rotating Clip) CHN (Mounting Channel) | JM (Justin Magnetic) PoE (Power over Ethernet) | Field Assembly Factory + Field (Hybrid) Factory Assembly |
| *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 |
|---------------------|-------------------------------|--------------------|----------------------|
| S1 (S1) | *blank* | AL | UC / S1MUC |
| S2 (S2) | *blank* | AL | S2MC |
| S45 (S45) | *blank* | AL | UC |
| A1 (A1) | FRT | AL / WH / BL | UC |
| A2 (A2) | CLT / FRT / AFS / AFR | AL / WH / BL | UC |
| A3 (A3) | CLT / FRT / AFS / AFR | AL / WH / BL | UC |
| SL (SLIM) | *blank* | AL / WH / BL | MC / 3M / MAG |
| 16 (16MM) | *blank* | AL | MC |
| RC20 (20MM ROUND) | *blank* | AL | UC |
| SQ20 (20MM SQUARE) | *blank* | AL | UC |
| SQ (SQUARE) | *blank* | AL / WH / BL | MC / AB / RC / HNG |
| 45 (45°) | *blank* / CLT / FRT / BL / PD | AL / WH / BL | MC / VC / RC / HNG |
| 45DCO (45° DECO) | *blank* | AL | MC |
| 90 (90° SIDEVIEW) | *blank* | AL | MC |
| REF (REFLECTOR) | *blank* | AL | |
| ROD (ROD) | *blank* | AL | RC / CLO / ART / ARM |
| M11 (MUD-IN 1 IN.) | *blank* | AL | |
| M12 (MUD-IN 2 IN.) | *blank* | AL | |
| REC (RECESSED) | *blank* | AL | MC |
| SLR (SLIM RECESSED) | *blank* | AL | |
| SCNC (SCONCE) | *blank* | AL | 3M |
| GZR (GRAZER) | *blank* | AL | MC |
| WF (WAVEFORM) | *blank* | AL | 3M / UC |

LEGEND

| Lens | | Finish | | Mounting | |
|---------|----------------------------------|--------|----------|----------|------------------|
| *blank* | Classic Frosted Lens | AL | Aluminum | 3M | 3M Adhesive |
| AFR | Regress Lens | WH | White | AB | Aiming Bracket |
| AFS | Architectural Frosted Satin Lens | BL | Black | ARM | Wall Arm |
| BL | Black Lens | | | ART | Art Lighting Arm |
| CLT | Architectural Clear Lens | | | CLO | Closet Mount |
| FRT | Architectural Frosted Lens | | | HNG | Hanging Hardware |
| PD | Premium Diffusion Lens | | | MAG | Magnetic Clip |
| | | | | RC | Rotating Clip |
| | | | | S1MUC | S1 Magnetic |
| | | | | UC | U-Clip |
| | | | | VC | Vertical Clip |
| | | | | MC | Mounting Clip |
| | | | | S2MC | S2 Clip |

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RECOMMENDED CHANNELS

| MODEL | DIAGRAM | INCLUDED ACCESSORIES | CONNECTION OPTIONS | IN CHANNEL DIFFUSION | TECHNICAL RATINGS | MOUNTING OPTIONS WITH DIMENSIONS |
|--|---|---|----------------------------|--|---|--|
| S1 Channel DI-CHB-S1 (S1) 48", 96" 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 | <ul style="list-style-type: none"> • Beam Angle: 120° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | U-Clip: 0.32 x 0.68 in. (H x W) S1 Magnetic U-Clip: 0.53 x 0.67 in. (H x W) |
| 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): 0.65 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 | <ul style="list-style-type: none"> • Beam Angle: 120° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | S2 Clip: 0.63 x 0.84 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 | <ul style="list-style-type: none"> • Beam Angle: 120° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | U-Clip: 0.79 x 0.79 in. (H x W) |
| 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 | <ul style="list-style-type: none"> • Beam Angle: 120° • Architectural Frosted Lens • Light Loss: 10% • CCT Shift: -35K • IP Rating Shift: IP40 | U-Clip: 0.82 x 0.88 in. (H x W) |

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|---|---|--|------------------------|---|--|---|
| 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): 0.48 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 Satin Lens 24CEL100: Dotless Architectural Frosted Lens 24CEL100: Dotless For diffusion options not listed, refer to A2 Channel Specification Sheet. | <ul style="list-style-type: none"> • Beam Angle: 120° • Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K • Architectural Frosted Satin Lens • Light Loss: 10% • CCT Shift: -35K • Architectural Frosted Satin Lens • Light Loss: 30% • CCT Shift: -35K • 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): 0.48 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 Satin Lens 24CEL100: Dotless Architectural Frosted Lens 24CEL100: Dotless For diffusion options not listed, refer to A3 Channel Specification Sheet. | <ul style="list-style-type: none"> • Beam Angle: 120° • Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K • Architectural Frosted Satin Lens • Light Loss: 10% • CCT Shift: -35K • Architectural Frosted Satin Lens • Light Loss: 30% • CCT Shift: -35K • IP Rating Shift: IP40 | U-Clip: 0.4 × 0.64 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. | <ul style="list-style-type: none"> • Beam Angle: 120° • Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K • Architectural Frosted Lens • Light Loss: 10% • 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) |
| 16MM 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 Premium Diffusion Lens 24CEL100: Dotless For diffusion options not listed, refer to SLIM Channel Specification Sheet. | <ul style="list-style-type: none"> • Beam Angle: 120° • Architectural Frosted Lens • Light Loss: 10% • 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) |

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|---|---------|--|---------------------------|---|--|---|
| 20MM ROUND Channel DI-CPCHB-RC20 (RC20) 48", 96" Aluminum For 14mm Tape Lights or smaller | | 48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed. | <p>Soldered Lead Only</p> | <p>Classic Frosted Lens CELESTE® Warm Dim - 24CEL100: Dotless</p> | <ul style="list-style-type: none"> • Beam Angle: 180° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | <p>U-Clip: 1.19 x 1.19 in. (H x W)</p> |
| 20MM SQUARE Channel DI-CPCHB-SQC20 (SQ20) 48", 96" Aluminum For 14mm Tape Lights or smaller | | 48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed. | <p>Soldered Lead Only</p> | <p>Classic Frosted Lens CELESTE® Warm Dim - 24CEL100: Dotless</p> | <ul style="list-style-type: none"> • Beam Angle: 180° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | <p>U-Clip: 1.19 x 1.19 in. (H x W)</p> |
| SQUARE Channel DI-CPCHB-SQ (SQ) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller | | 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. | <p>Soldered Lead Only</p> | <p>Architectural Frosted Lens CELESTE® Warm Dim - 24CEL100: Dotless</p> <p>Premium Diffusion Lens 24CEL100: Dotless</p> <p>For diffusion options not listed, refer to SQUARE Channel Specification Sheet.</p> | <ul style="list-style-type: none"> • Beam Angle: 120° • Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K • Architectural Frosted Lens • Light Loss: 10% • 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 | <p>Chromaphath Surface Mount: 0.61 x 0.82 in. (H x W)</p> <p>Aiming Bracket: 1.29 x 0.82 in. (H x W)</p> <p>Rotating Mount: 1.93 x 0.82 in. (H x W)</p> <p>Hanging Mount: 1.51 x 0.82 in. (H x W)</p> <p>Premium Diffusion: 1.13 x 0.82 in. (H x W)</p> |
| 45° Channel DI-CPCHB-45 (45) 48", 96" Aluminum, White, Black For 14mm Tape Lights or smaller | | 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. | <p>Soldered Lead Only</p> | <p>Architectural Frosted Lens CELESTE® Warm Dim - 24CEL100: Dotless</p> <p>Premium Diffusion Lens 24CEL100: Dotless</p> <p>For diffusion options not listed, refer to 45° Channel Specification Sheet.</p> | <ul style="list-style-type: none"> • Beam Angle: 120° • Architectural Clear Lens • Light Loss: 10% • CCT Shift: -20K • Architectural Frosted Lens • Light Loss: 10% • 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 | <p>Chromaphath Surface Mount: 1 x 0.67 in. (H x W)</p> <p>Vertical Mount: 1 x 0.67 in. (H x W)</p> <p>Rotating Mount: 2.32 x 0.67 in. (H x W)</p> <p>Hanging Mount: 1.9 x 0.67 in. (H x W)</p> <p>Premium Diffusion: 1.52 x 0.67 in. (H x W)</p> |

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|---|---|--|------------------------|--|---|--|
| 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. | 48 in. channel & lens 2x surface mounting clips End caps: 1x open, 1x closed. 96 in. channel & lens 4x surface mounting clips End caps: 2x open, 2x closed. | Soldered Lead Only | Classic Frosted Lens CELESTE® Warm Dim - 24CEL100: Dotless | <ul style="list-style-type: none"> • Beam Angle: 120° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | Mounting Clip: 0.73 × 0.73 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. | 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 | <ul style="list-style-type: none"> • Beam Angle: 120° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | Mounting Clip: 0.92 × 0.92 in. (H x W) |
| REFLECTOR Channel DI-CPCHB-RFCTR (REF) 48", 96" Aluminum For 12mm Tape Lights or smaller | Height (H): 2.75 in. Width (W): 1 in. Interior Depth (ID): 0.29 in. Interior Width (IW): 0.54 in. Cut Out Width (CO): 2.35 in. Recessed Wing (RW): 0.2 in. | 48 in. channel & frosted cover Mounting hardware End caps: 1x open, 1x closed. 96 in. channel & frosted cover Mounting hardware End caps: 1x open, 1x closed. | Soldered Lead Only | Classic Frosted Lens CELESTE® Warm Dim - 24CEL100: Dotless | <ul style="list-style-type: none"> • Beam Angle: 120° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | Recessed Mount: 2.75 × 1 in. (H x W) |
| 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. | 78.74 in. channel & frosted lens 1x open end-cap, 1x closed end-cap 4 × 180° swivel brackets 2x Closet Mounting Brackets 2x Support Brackets | Soldered Lead Only | Classic Frosted Lens CELESTE® Warm Dim - 24CEL100: Dotless | <ul style="list-style-type: none"> • Beam Angle: 180° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | Rotating Mount: 2.33 × 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) |

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|--|---|---|---------------------------|--|---|--|
| MUD-IN 1 IN. Channel DI-CPCHB-MUD1 (M1) 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. | <p>Soldered Lead Only</p> | <p>Opal Lens CELESTE® Warm Dim - 24CELE100: Dotless</p> | <ul style="list-style-type: none"> • Beam Angle: 120° • Opal Lens • Light Loss: 55% • CCT Shift: -200K • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | <p>Recessed Mount: 0.54 × 2.42 in. (H × W)</p> |
| MUD-IN 2 IN. Channel DI-CPCHB-MUD2 (M2) 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): 1.37 in. | 96 in. channel & opal lens 2x surface mounting clips End caps: 2x open, 2x closed. | <p>Soldered Lead Only</p> | <p>Opal Lens CELESTE® Warm Dim - 24CELE100: Dotless</p> | <ul style="list-style-type: none"> • Beam Angle: 120° • Opal Lens • Light Loss: 55% • CCT Shift: -200K • IP Rating Shift: IP40 | <p>Recessed Mount: 0.8 × 3.86 in. (H × W)</p> |
| 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. | 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. | <p>Soldered Lead Only</p> | <p>Classic Frosted Lens CELESTE® Warm Dim - 24CELE100: Dotless</p> | <ul style="list-style-type: none"> • Beam Angle: 120° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | <p>Recessed Mount: 0.49 × 1.03 in. (H × W) Mounting Clip: 0.49 × 1.03 in. (H × W)</p> |
| SLIM RECESSED Channel DI-CPCHB-SLR (SLR) 48", 96" Aluminum For 10mm Tape Lights or smaller | Height (H): 0.38 in. Width (W): 0.65 in. Interior Depth (ID): 0.28 in. Interior Width (IW): 0.4 in. Cut Out Width (CO): 0.49 in. Recessed Wing (RW): 0.08 in. | 48 in. channel & frosted lens End caps: 1x open square, 1x open round, 1x closed square 96 in. channel & frosted lens End caps: 1x open square, 1x open round, 1x closed square. | <p>Soldered Lead Only</p> | <p>Classic Frosted Lens</p> | <ul style="list-style-type: none"> • Beam Angle: 120° • Classic Frosted Lens • Light Loss: 20% • CCT Shift: -40K • IP Rating Shift: IP40 | <p>Recessed Mount: 0.38 × 0.65 in. (H × W)</p> |

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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 • Derating Curves • Additional Features • 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. |

CELESTE® Warm Dim 24V Linear Lighting

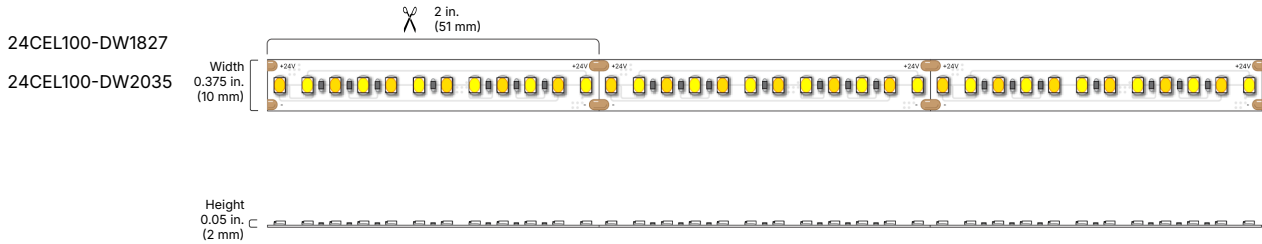
Flexible linear lighting that dims like halogen and incandescent lights. Outstanding color rendering delivers convincing warm colors for immersive environments.

Date _____

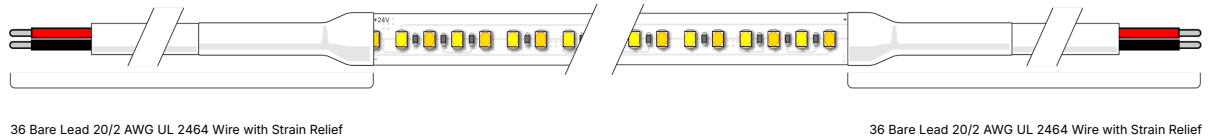
Project Notes _____



MECHANICAL DIAGRAMS

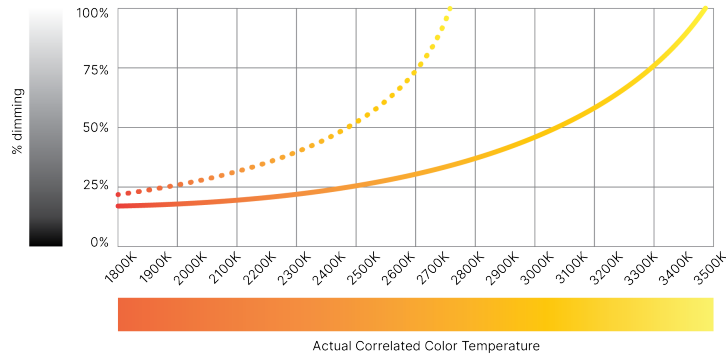


CONNECTIONS



PHOTOMETRICS

Color Temperature vs Dimming Range



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.

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 _____



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 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.