



# Castle [RC] Tunable White

RECESSED

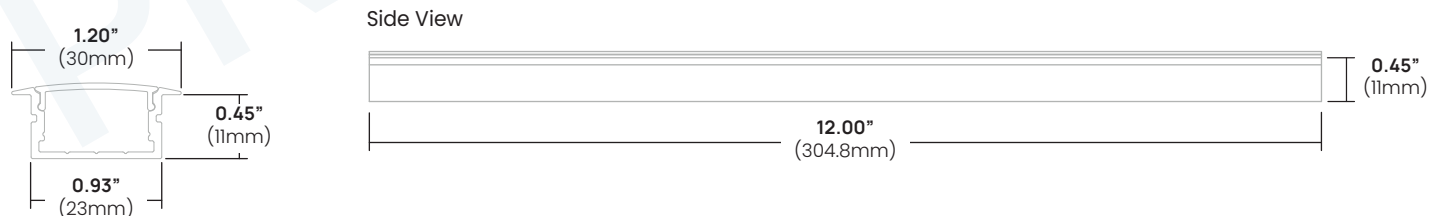


For use with  Light Source.

## SPECIFICATIONS

|                                |                                                                 |               |             |
|--------------------------------|-----------------------------------------------------------------|---------------|-------------|
| Output Options                 | 100lm/ft                                                        | 200lm/ft      |             |
| Fixture Wattage (White Lens)   | 4.4W (All On)                                                   | —             |             |
| Max Run Length (White Lens)    | 16.4ft                                                          | —             |             |
| Fixture Wattage (Other Lenses) | 2.2W (All On)                                                   | 4.4W (All On) |             |
| Max Run Length (Other Lenses)  | 16.4ft                                                          | 16.4ft        |             |
| Light Color (CCT)              | 1800K-3000K                                                     | 1800K-3500K   | 1800K-4000K |
| Color Rendering                | 95+ CRI, 2-Step                                                 |               |             |
| Lenses                         | White, Frosted, Clear                                           |               |             |
| Mounting                       | Surface Mounting                                                |               |             |
| Finish                         | Anodized Silver, Black, White, Custom (Provide RAL #)           |               |             |
| Input Voltage                  | 24VDC (Power Supply: 120VAC – 277VAC)                           |               |             |
| Dimming                        | PWM, DMX512, DALI, Bluetooth, 0-10V (With Tunable White Module) |               |             |
| Dimensions                     | 1.20" (30mm) × 0.45" (11mm)                                     |               |             |
| Production Interval            | 2.19" (55.6mm)                                                  |               |             |
| Operating Temperature          | -4°F (-20°C) to 140°F (60°C)                                    |               |             |

## FIXTURE DIMENSIONS



PROJECT NAME \_\_\_\_\_ FIXTURE TYPE \_\_\_\_\_ LOCATION \_\_\_\_\_



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WHITE LENS DELIVERED LM/FT

|          | 1800K | 3000K | 3500K | 4000K |
|----------|-------|-------|-------|-------|
| 100lm/ft | 116   | 160   | 163   | 166   |

FROSTED LENS DELIVERED LM/FT

|          | 1800K | 3000K | 3500K | 4000K |
|----------|-------|-------|-------|-------|
| 100lm/ft | 103   | 142   | 145   | 148   |
| 200lm/ft | 206   | 285   | 290   | 295   |

CLEAR LENS DELIVERED LM/FT

|          | 1800K | 3000K | 3500K | 4000K |
|----------|-------|-------|-------|-------|
| 100lm/ft | 104   | 143   | 146   | 149   |
| 200lm/ft | 207   | 286   | 291   | 296   |

PROJECT NAME \_\_\_\_\_ FIXTURE TYPE \_\_\_\_\_ LOCATION \_\_\_\_\_



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## CASTLE [RC] TUNABLE WHITE COMPONENTS

Castle [RC] Profile



Tunable White LED Tape - High Density



PRELIMINARY

PROJECT NAME \_\_\_\_\_ FIXTURE TYPE \_\_\_\_\_ LOCATION \_\_\_\_\_



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## PART NUMBER EXAMPLE

ILL-CA02-TW - I - 1830 - 100 - WH - SF - SV - 50" - E2 - C  
+  
PS - UNIV - 24V - 100W - JBOX

## PART NUMBER BUILDER

| SERIES                                                                                                                                           | DRY/WET     | CCT                | OUTPUT         | LENS                 | MOUNTING                 | FINISH      |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|----------------|----------------------|--------------------------|-------------|
| ILL-CA02-TW                                                                                                                                      |             |                    |                |                      | SF                       |             |
| iLuminate Castle<br>[RC] Tunable<br>White                                                                                                        | I — Indoor  | 1830 — 1800K-3000K | 100 — 100lm/ft | WH — White Lens      | SF — Surface<br>Mounting | SV — Silver |
|                                                                                                                                                  | O — Outdoor | 1835 — 1800K-3500K | 200 — 200lm/ft | FR — Frosted<br>Lens |                          | BK — Black  |
|                                                                                                                                                  |             | 1840 — 1800K-4000K |                | CL — Clear Lens      |                          | WH — White  |
|                                                                                                                                                  |             |                    |                |                      |                          | CU — Custom |
| LENGTH (IN)                                                                                                                                      |             | START FEED         |                | END FEED             |                          |             |
|                                                                                                                                                  |             | DIRECTION          | LENGTH         | DIRECTION            | LENGTH                   |             |
| Fixtures will be built as close to the requested length without going over based on 2.19" (55.6mm) production interval.                          |             | E — End            | Blank — Endcap | E — End              | Blank — Endcap           |             |
|                                                                                                                                                  |             | B — Back           | 2 — 2ft        | B — Back             | 2 — 2ft                  |             |
| Lengths longer than 78in will consist of multiple pieces of channel and lens to be assembled in the field to create the complete fixture length. |             |                    | 5 — 5ft        | C — Endcap           | 5 — 5ft                  |             |
|                                                                                                                                                  |             |                    | 10 — 10ft      |                      | 10 — 10ft                |             |
|                                                                                                                                                  |             |                    | 15 — 15ft      |                      | 15 — 15ft                |             |
|                                                                                                                                                  |             |                    | 20 — 20ft      |                      | 20 — 20ft                |             |
|                                                                                                                                                  |             |                    | 25 — 25ft      |                      | 25 — 25ft                |             |

## POWER SUPPLY

| SERIES                                                 | CONTROL                 | VOLTAGE OUTPUT | MAX WATTAGE OUTPUT | FORM                  |
|--------------------------------------------------------|-------------------------|----------------|--------------------|-----------------------|
| PS                                                     | -                       | 24V            | -                  | -                     |
| iLuminate AC to DC<br>Constant Voltage Power<br>Supply | UNIV - Universal 5-in-1 | 24V - 24VDC    | 30W - 30W          | JBOX - Dry/Damp Rated |
|                                                        | DMX - DMX512 Enabled    |                | 60W - 60W          | IP66 - Wet Rated      |
|                                                        | DALI - DALI-2 Enabled   |                | 100W - 100W        |                       |
|                                                        | BLE - Bluetooth Enabled |                | 200W - 100W x 2    |                       |
|                                                        |                         |                | 300W - 100W x 3    |                       |

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