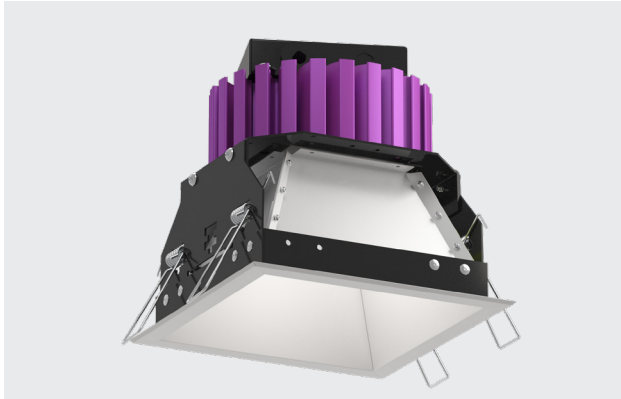


| PROJECT: | SPECIFIER: | TYPE: | QTY: | DATE: |
|----------|------------|-------|------|-------|
| 1        | 2          | 3     | 4    | 5     |
| 6        | 7          | 8     | 9    | 10    |
| 11       |            |       |      |       |



## TECH OPTIONS



## DESCRIPTION

Specification grade downlight with cast aluminum trim and regress optic. Optional regress lens. Inherently protected luminaire with IC and non-IC options available. Thermal protection in case of improper insulation use. High quality electrocoated metal construction with positive retention springs allow for easy installation and prevent sagging.

## FEATURES

**Housing & Trim:** aluminum diecast trim with cosmetic electroplated finishes available, aluminum reflector with anodize finishes available

**Optic:** regress optic, optional regress lens available

**Cutout:** square

**Beams:** narrow, medium, wide

**Lumen Output (nominal):** up to 7700+ lm, 110 lm/W

**Mounting:** new construction, remodeler, and IC housing box

**Heat Sink:** extruded anodized aluminum for higher outputs or electrocoated aluminum bracket for lower outputs

**LED:** PerfectWhite™ human centric, Tunable White, Warm Dim, Static white

CRI 90+ & 95+, Sunlike 97, RGBW

≤1x3 SDCM standard, ≤1x2 SDCM available upon request

LED Lumen Maintenance: L70 > 50,000hrs

## DIMENSIONS

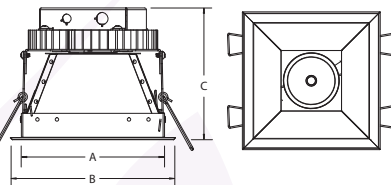
**Aperture (A):** 5.65"

**Flange (B):** 6.74"

**Height (C):** 5.31" - 7.68"

**Min. Ceiling Opening:** 5.80"

**Ceiling Thickness:** ½" - 2" thk



**WARRANTY** 5 Year Limited Warranty (Covers Standard Components)

## RATINGS & CERTS

Made in USA with Domestic and Global Components  
Damp Location Rated, Wet Location Rated



## 1: TYPE

**RS6-RD**  
**RS6-RDW**

Recessed Square Downlight  
Recessed Square Downlight, Wet Location

## 2: LED COLOR & CRI

**WD97-3018K\*** Warm Dim 3000-1800K 97+  
**WD92-4027K\*** Warm Dim 4000-2700K 92+  
**LX90-RGBW\*\*** Lumenetix RGB + 8000-1650K White 90+

**PC90-30K** 3000K PerfectWhite™ 90+  
**SW80-27K** 2700K Static White 80+  
**SW80-30K** 3000K Static White 80+  
**SW80-35K** 3500K Static White 80+  
**SW80-40K** 4000K Static White 80+  
**SW80-50K** 5000K Static White 80+  
**SW80-57K** 5700K Static White 80+  
**SW80-65K** 6500K Static White 80+  
**SW90-27K** 2700K Static White 90+  
**SW90-30K** 3000K Static White 90+  
**SW90-35K** 3500K Static White 90+

**SW90-40K** 4000K Static White 90+  
**SW90-50K** 5000K Static White 90+  
**SW95-27K** 2700K Static White 95+  
**SW95-30K** 3000K Static White 95+  
**SW95-35K** 3500K Static White 95+  
**SW95-40K** 4000K Static White 95+  
**SL97-27K** 2700K Sunlike 97  
**SL97-30K** 3000K Sunlike 97  
**SL97-35K** 3500K Sunlike 97  
**SL97-40K** 4000K Sunlike 97  
**SL97-50K** 5000K Sunlike 97  
**TW90-4018K\*\*\*** Tunable White 4000-1800K 90+  
**TW90-6527K\*\*\*** Tunable White 6500-2700K 90+

\*Warm dim compatible with traditional single channel dimming methods

\*\*Tunable full color and white with DMX; Tunable white and full color preset scenes only with 2x 0-10V; Tunable white only 8000-1650K with Lutron Ecosystem, Dali2, & Wattstopper DLM

\*\*\*3000lm Max Output \*\*\*\*Two-step MacAdam Ellipse available upon request. Use "2SP" after LED code

## 3: LUMENS

\*DIMA1 max output.

\*\*Lumenetix white max output 2100 lm.

See page 2 LED Power Info for chip-specific lumens

|              |         |
|--------------|---------|
| <b>10LM</b>  | 1000 lm |
| <b>15LM</b>  | 1500 lm |
| <b>21LM</b>  | 2100 lm |
| <b>30LM</b>  | 3000 lm |
| <b>34LM</b>  | 3400 lm |
| <b>43LM*</b> | 4300 lm |
| <b>50LM</b>  | 5000 lm |
| <b>60LM</b>  | 6000 lm |

## 4: VOLTAGE

**U** 120-277Vac

## 5: DIMMING / DRIVER

Leading and trailing edge dimming at 120Vac only

|                |                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------|
| <b>DIMA1*</b>  | 1% Universal Dim 0-10V/TRIAC/ELV (4300lm max output)                                                      |
| <b>AVI</b>     | Bluetooth Avi-on BLE Wireless for static white, warm-dim, tunable white & RGBW                            |
| <b>10V</b>     | <10% Dim 0-10V                                                                                            |
| <b>10V1</b>    | 1% Dim 0-10V                                                                                              |
| <b>10VMC1</b>  | 1% Dim 0-10V multi-channel for tunable white & Lumenetix full color presets + tunable white               |
| <b>10VMC21</b> | 0.1% Dim 0-10Vx2 dim-to-off for tunable white                                                             |
| <b>LTEA</b>    | 1% Dim Lutron Hi-Lume 2-Wire (120V only)                                                                  |
| <b>LUT1</b>    | 1% Dim Lutron Hi-Lume EcoSystem Soft-On & Fade Black                                                      |
| <b>LUT21**</b> | 0.1% Dim Lutron Hi-Lume Premium EcoSystem Soft-On & Fade Black for static white & Lumenetix tunable white |
| <b>ELD1</b>    | 1% Dim eldoLED ECDriver                                                                                   |
| <b>ELD21</b>   | 0.1% Dim eldoLED SOLOdrive dim-to-off                                                                     |
| <b>DMX21</b>   | 0.1% Dim DMX for tunable white & Lumenetix tunable full color and white                                   |
| <b>DALI21</b>  | 0.1% Dim Dali2 for tunable white & Lumenetix tunable white                                                |
| <b>WATT21</b>  | 0.1% Dim Wattstopper DLM for Lumenetix tunable white                                                      |

\*Standard non-linear dim-to-off for 0-10V dimming; for linear dimming add -LIN at end of dim code

\*\* <20W available for static white

\*\*\* Most drivers use logarithmic dimming curve as standard. For linear curve add "LIN" after Dimming Code

## 6: OPTIC

|           |         |
|-----------|---------|
| <b>BN</b> | 25° TIR |
| <b>BM</b> | 35° TIR |
| <b>BW</b> | 55° TIR |

## 7: LENS

\*Regress lens for wet location

|           |              |
|-----------|--------------|
| <b>NL</b> | No Lens      |
| <b>RL</b> | Regress lens |

## 8: BEZEL

|            |                                 |           |                               |
|------------|---------------------------------|-----------|-------------------------------|
| <b>WH</b>  | White Matte Powder              | <b>CU</b> | Polished Copper Plated        |
| <b>BK</b>  | Black Matte Powder              | <b>BC</b> | Black Chrome Plated           |
| <b>PHZ</b> | Silver Haze Matte Powder        | <b>BH</b> | Brush Brass Plated            |
| <b>NAT</b> | Natatorium 3-Layer White Finish | <b>BR</b> | Polished Brass Plated         |
| <b>AMI</b> | Anti-microbial Powder           | <b>NB</b> | Nickel Brush Plated           |
| <b>BZ</b>  | Oil-rub Bronze Brush Plated     | <b>NC</b> | Polished Nickel Chrome Plated |
| <b>CB</b>  | Copper Brush Plated             |           |                               |

## 9: FLANGE

|           |                    |           |            |
|-----------|--------------------|-----------|------------|
| <b>WH</b> | White Matte Powder | <b>MT</b> | Match Trim |
| <b>BK</b> | Black Matte Powder |           |            |

## 10: IC RATING (OPTIONAL)

**IC** Insulated ceiling  
\*Enclosed box required; contact factory for remodeler IC options

## 11: ACCESSORY

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| <b>HB*</b> | Ceiling frame with hanger bars                                     |
| <b>HBH</b> | Ceiling frame with hanger bars & butterfly bracket kit, extendable |
| <b>EN</b>  | Enclosed box with ceiling plate & bars                             |
| <b>FMC</b> | Flex metal whip, 24-inch for AC power                              |
| <b>BB4</b> | Battery Backup 4W for 90 mins                                      |
| <b>BB8</b> | Battery Backup 8W for 90 mins                                      |
| <b>GOR</b> | Adapter Goof Ring                                                  |
| <b>REM</b> | Remodel Ring                                                       |

\*Extension range min. 14-24" max. See pg3 for full details.

## 12: CONTROL

|              |                   |
|--------------|-------------------|
| <b>ANL</b>   | Acuity nLight     |
| <b>AIRNL</b> | Acuity nLight Air |
| <b>CAS</b>   | Casambi Ready     |

## LED POWER INFO *Insulated ceiling (IC) rating up to 30W / ~3000 lm IC rated*

### Static White LED 80+ CRI @ 3000K (nominal)

| Ordering Code | Lumens, Nominal Delivered | Input Power, Nominal | Efficacy, Nominal |
|---------------|---------------------------|----------------------|-------------------|
| 10LM          | 1,061 lm                  | 9.83W                | 108 lm/W          |
| 15LM          | 1,486 lm                  | 13.76W               | 108 lm/W          |
| 21LM          | 2,130 lm                  | 19.32W               | 110.3 lm/W        |
| 30LM          | 2,982 lm                  | 27.05W               | 110.3 lm/W        |
| 43LM          | 4,260 lm                  | 38.64W               | 110.3 lm/W        |
| 60LM          | 5,964 lm                  | 54.09W               | 110.3 lm/W        |
| 70LM          | 6,815 lm                  | 61.82W               | 110.3 lm/W        |
| 80LM          | 7,667 lm                  | 69.55W               | 110.3 lm/W        |

### PerfectWhite LED 90+ CRI @ 3000K (nominal)

| Ordering Code | Lumens, Nominal Delivered | Input Power, Nominal | Efficacy, Nominal |
|---------------|---------------------------|----------------------|-------------------|
| 09LM          | 924 lm                    | 13.50W               | 68.4 lm/W         |
| 13LM          | 1,347 lm                  | 19.29W               | 69.8 lm/W         |
| 19LM          | 1,886 lm                  | 27.01W               | 69.8 lm/W         |
| 27LM          | 2,694 lm                  | 38.58W               | 69.8 lm/W         |

### Warm Dim LED 92+ CRI @ Full Intensity (nominal)

| Ordering Code | Lumens, Nominal Delivered | Input Power, Nominal | Efficacy, Nominal |
|---------------|---------------------------|----------------------|-------------------|
| 09LM          | 900 lm                    | 14.36W               | 62.6 lm/W         |
| 12LM          | 1,263 lm                  | 20.17W               | 62.6 lm/W         |
| 18LM          | 1,806 lm                  | 28.24W               | 63.9 lm/W         |
| 26LM          | 2,580 lm                  | 40.34W               | 63.9 lm/W         |

### Lumenetix White LED 90+ CRI @ 4000K

| Efficacy | Lumens Delivered | Input Power | Efficacy  |
|----------|------------------|-------------|-----------|
| 08LM     | 840 lm           | 20.2W       | 41.5 lm/W |
| 14LM     | 1360 lm          | 33.7W       | 40.3 lm/W |
| 21LM     | 2080 lm          | 56.2W       | 37 lm/W   |
| 35LM     | 3480 lm          | 67.4W       | 51.6 lm/W |

### Static White LED 90+ CRI @ 3000K (nominal)

| Ordering Code | Lumens, Nominal Delivered | Input Power, Nominal | Efficacy, Nominal |
|---------------|---------------------------|----------------------|-------------------|
| 09LM          | 899 lm                    | 9.83W                | 91.4 lm/W         |
| 13LM          | 1,258 lm                  | 13.76W               | 91.4 lm/W         |
| 18LM          | 1,803 lm                  | 19.32W               | 93.3 lm/W         |
| 25LM          | 2,525 lm                  | 27.05W               | 93.3 lm/W         |
| 36LM          | 3,607 lm                  | 38.64W               | 93.3 lm/W         |
| 50LM          | 5,049 lm                  | 54.09W               | 93.3 lm/W         |
| 60LM          | 6,131 lm                  | 65.68W               | 93.3 lm/W         |

### Sunlike LED 97 CRI @ 3000K (nominal)

| Ordering Code | Lumens, Nominal Delivered | Input Power, Nominal | Efficacy, Nominal |
|---------------|---------------------------|----------------------|-------------------|
| 07LM          | 706 lm                    | 10.06W               | 70.2 lm/W         |
| 10LM          | 988 lm                    | 14.08W               | 70.2 lm/W         |
| 14LM          | 1,425 lm                  | 19.89W               | 71.7 lm/W         |
| 20LM          | 1,995 lm                  | 27.84W               | 71.7 lm/W         |
| 28LM          | 2,867 lm                  | 40.00W               | 71.7 lm/W         |

### Tunable White LED 90+ CRI @ Cool CCT (nominal)

| Ordering Code | Lumens, Nominal Delivered | Input Power, Nominal | Efficacy, Nominal |
|---------------|---------------------------|----------------------|-------------------|
| 06LM          | 616 lm                    | 8.55W                | 72 lm/W           |
| 12LM          | 1,170 lm                  | 17.11W               | 68.4 lm/W         |
| 18LM          | 1,694 lm                  | 23.53W               | 72 lm/W           |
| 24LM          | 2,325 lm                  | 32.278W              | 72 lm/W           |
| 30LM          | 2,893 lm                  | 40.18W               | 72 lm/W           |

#### LM Multiplier 1 LED CRI

SW80: 1.00  
SW90: 0.90  
SW95: 0.75

#### LM Multiplier 2 LED Color

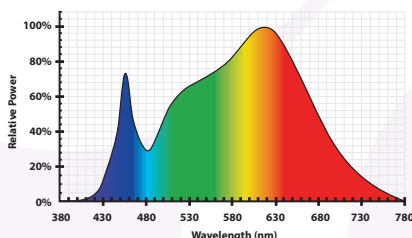
2700K: 0.96  
3000K: 1.00  
3500K: 1.03  
4000K: 1.05  
5000K: 1.07

#### LM Multiplier 3 Trim Finish

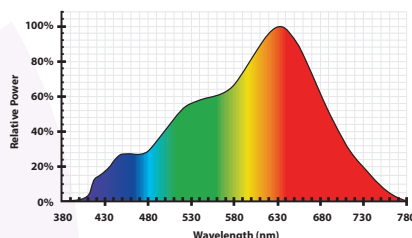
Clear Haze: 1.00  
White Paint: 0.90  
Black Paint: 0.70

Calculated Delivered Lumens = Delivered Lumen Value x LED CRI x LED Color x Trim Finish

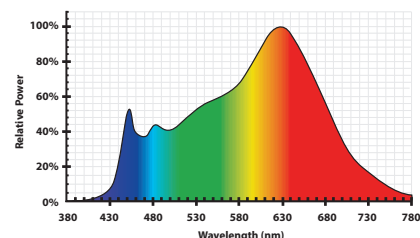
## SPECTRAL POWER DISTRIBUTION



Standard LED 90+ CRI @ 3000K



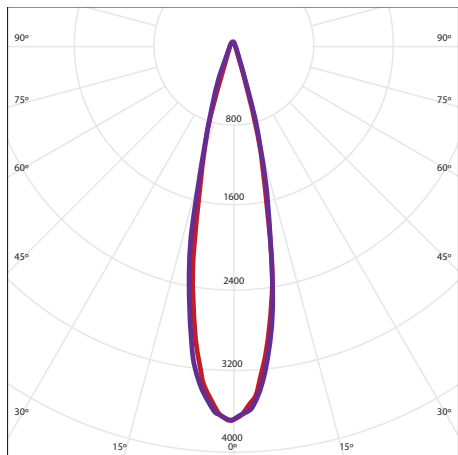
SunLike LED 97 CRI @ 3000K



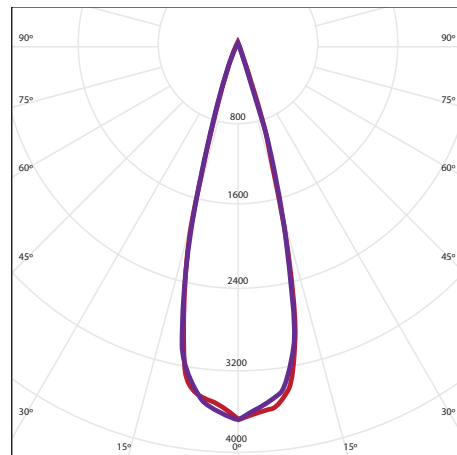
PerfectWhite LED 90+ CRI @ 3000K

## BEAM DISTRIBUTION

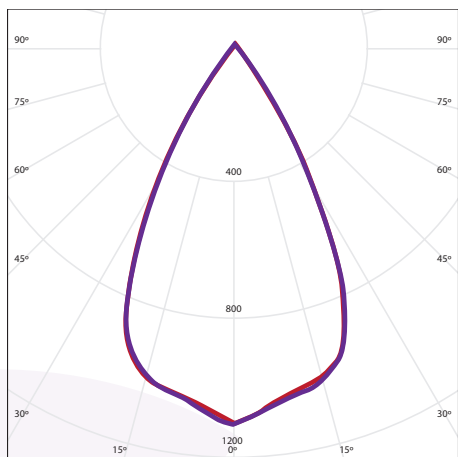
**BN - 25° Narrow**



**BM - 35° Medium**



**BW - 60° Wide**



## DIMMING

### DIMMING COMPATIBILITY FOR -DIMA1 CODE

Opus® Rondo offers compatibility with both phase-cut (reverse-phase and forward-phase) and 0-10V dimmers. Forward-phase (TRIAC) and reverse-phase (ELV) dimming work only at 120Vac. Phase-cut dimming always has priority over 0-10V dimming. Each fixture requires 1mA for 0-10V dimming. Please consult dimmer datasheet for total 0-10V dimming current requirement to determine suitable number of fixtures per dimmer for best dimming results.

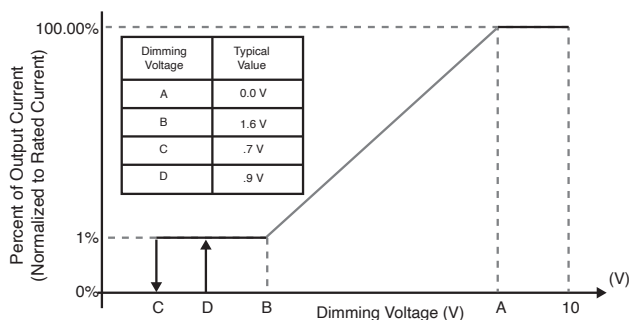
### COMPATIBLE PHASE-CUT DIMMERS FOR -DIMA1 CODE

| 120Vac Dimmers |           |         |            |            |           |
|----------------|-----------|---------|------------|------------|-----------|
| Mfg.           | Model     | Mfg.    | Model      | Mfg.       | Model     |
| Lutron         | S-603PG   | Lutron  | DVELV-303P | Lutron     | CT-103P   |
| Leviton        | IPI06-1LZ | Lutron  | SELV-300P  | Cooper     | SLC03P    |
| Leviton        | 6631-2    | Leviton | 6683-IW    | Leviton    | IPE04     |
| Lutron         | DVCL-153P | Leviton | 6161       | Lutron     | MAELV-600 |
| Lutron         | DV-600P   | Leviton | 6633-P     | Lutron     | FAELV-500 |
| Lutron         | TGCL-153P | Lutron  | TG-600P    | Lightolier | ZP260QEW  |
| Lutron         | S-600P    | Cooper  | DLC03P     | Cooper     | DAL06P    |
| Leviton        | VPE06     | Lutron  | LG-600P    |            |           |

### COMPATIBLE 0-10V DIMMERS FOR -DIMA1 CODE

| 0-10V Dimmers |                   |          |
|---------------|-------------------|----------|
| Mfg.          | Model             | Part No. |
| Lutron        | Nova series       | NFTV     |
| Leviton       | IllumaTech series | IP710-DL |
| Lutron        | Diva series       | DVTV     |

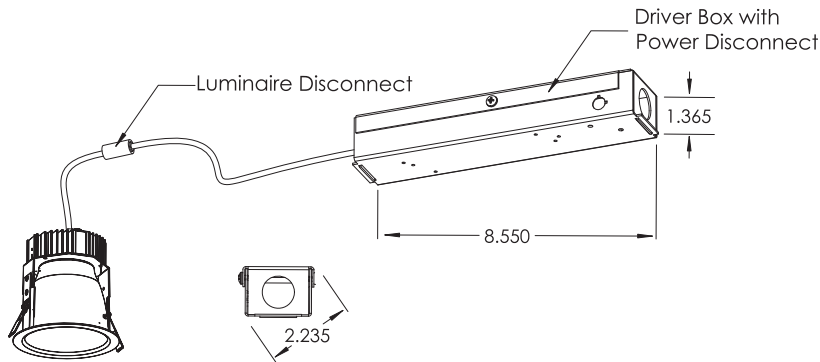
### 0-10V DIM VOLTAGE REFERENCE FOR -DIMA1 CODE



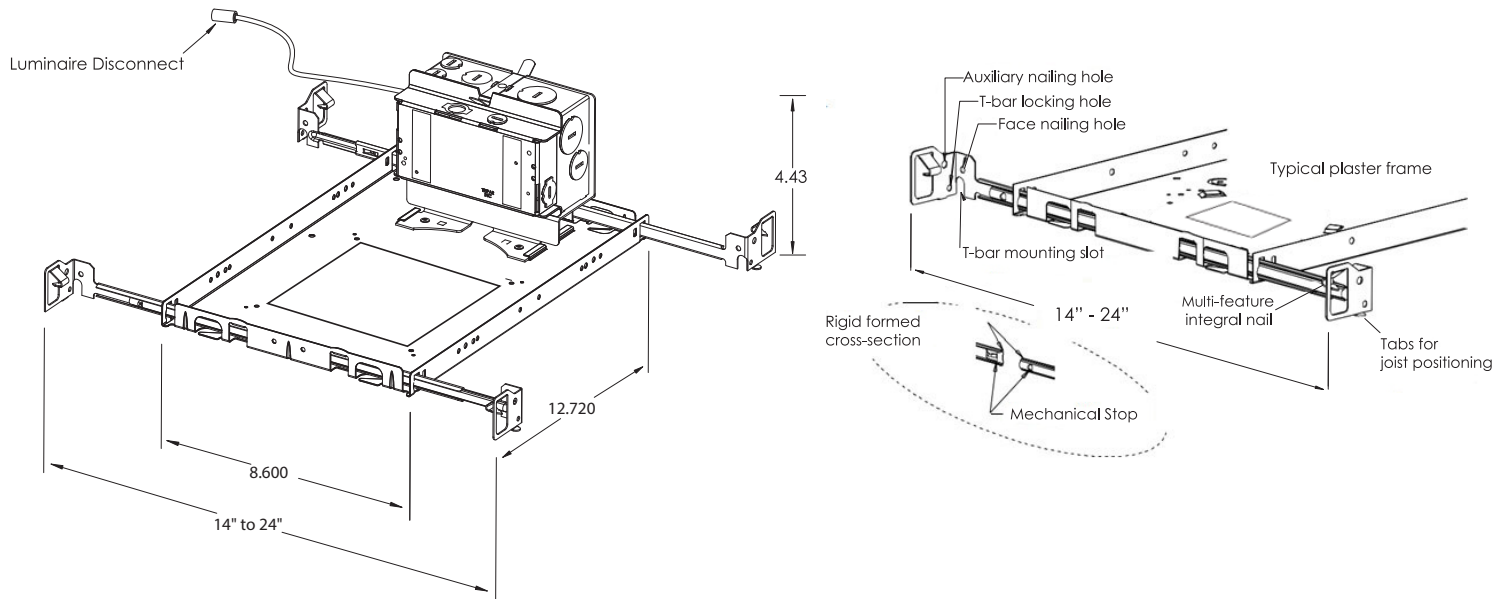
## MOUNTING

### Remodeler Mounting (No Suffix)

Mounting dimensions shown are for -DIMA1, -10V, -10V1, up to 50W input power and -LUT1, -LUTZ1 up to 20W input power  
Larger remodeler driver box for higher wattages and other dimming options as well, not shown below.



### HB Suffix Mounting



### HBH Suffix Mounting

