

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



## TECH OPTIONS



## DESCRIPTION

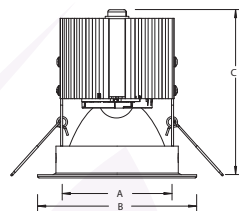
Cutting edge downlight with modern design and ultimate versatility including remodeler, new construction, and IC mounting. Milled aluminum trim with anodized aluminum spun reflector and regress ball optic. Standard warm-dimming to 1% compatible with virtually all 0-10V, leading and trailing edge dimming applications. IC rating for lower lumen outputs standard without enclosed box. Thermal protection in case of improper insulation use. Extruded aluminum anodized heat sink. Plenum disconnect and positive retention springs allow for easy installation.

## FEATURES

- Housing & Trim:** milled aluminum, powdercoat finish
- Cutout:** round
- Optic:** anodized aluminum spun reflector with ball optic
- Beams:** wide
- Lumen Output (nominal):** warm dim to 1200 lm, 55 lm/W; static white to 2800 lm, 78 lm/W
- Mounting:** new construction, remodeler, and IC housing box
- Heat Sink:** anodized aluminum
- LED:** warm dim, static white

## DIMENSIONS

- Aperture (A):** 2.70"
- Flange (B):** 3.90"
- Height (C):** 4.10 - 5.23"
- Ceiling Opening:** 3.21"
- Ceiling Thickness:** 1/2" - 1"



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

## RATINGS & CERTS

Made with Global Components  
Damp Location Rated



### 1: TYPE

**AB3-RD** Recessed Downlight

### 2: LED COLOR & CRI

*\*Warm dim compatible with traditional single channel dimming methods*

**WD97-3018K\*** Warm Dim 3000-1800K 97+  
**SW90-27K** 2700K Static White 90+  
**SW90-30K** 3000K Static White 90+  
**SW90-35K** 3500K Static White 90+  
**SW90-40K** 4000K Static White 90+

### 3: LUMENS

*See pg2 Power Info for LED power options*

**05LM** 500 lm  
**07LM** 700 lm  
**09LM** 900 lm  
**15LM** 1500 lm  
**20LM** 2000 lm  
**28LM** 2800 lm

### 4: VOLTAGE

**U** 120-277Vac

### 5: DIMMING

*Leading and trailing edge at 120Vac only*

**DIMA1** 1% universal dim 0-10V/TRIAC/ELV  
*\*For 0-10V dim, non-linear dim-to-off standard; for linear dimming add -LIN on end of Dimming code*

### 6: OPTIC

**BW** 50° Smooth Haze Reflector & Ball Optic, Wide Beam

### 7: TRIM FINISH

**WH** White Matte Powder  
**BK** Black Matte Powder  
**NS** Nickel Satin Powder  
**BZ** Bronze Powder

### 8: IC RATING (OPTIONAL)

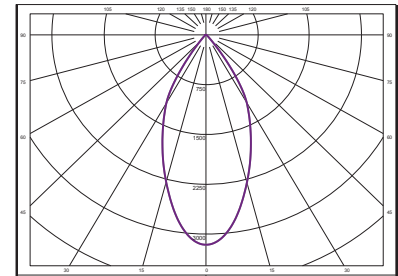
**IC** Insulated ceiling  
*\*Enclosed box required; contact factory for remodeler IC options*

### 9: ACCESSORY

*\*Extension range min. 14-24" max. See pg3 for full details.  
\*\* Enclosed box required for spray insulation*

**HB\*** Ceiling frame with hanger bars  
**HBH** Ceiling frame with hanger bars & butterfly bracket kit, extendable  
**LHB** Heavy bars for 36" extension (set of 2 pcs); note 2 sets required for 48"  
**EN\*\*** Enclosed box with ceiling plate & bars  
**BB4** Battery Backup 4W for 90 mins  
**BB8** Battery Backup 8W for 90 mins

## BEAM DISTRIBUTION



## POWER INFO

### Static White 90+ CRI @ 3000K

| Ordering Code | Lumens, Nominal Delivered | Input Power, Nominal | Efficacy, Nominal |
|---------------|---------------------------|----------------------|-------------------|
| 07LM*         | 760 lm                    | 9.83W                | 77.3 lm/W         |
| 10LM*         | 1,064 lm                  | 13.76W               | 77.3 lm/W         |
| 15LM          | 1,519 lm                  | 19.32W               | 78.6 lm/W         |
| 20LM          | 2,126 lm                  | 27.05W               | 78.6 lm/W         |
| 28LM          | 2,734 lm                  | 34.77W               | 78.6 lm/W         |

\*Insulated Ceiling (IC) Rated

### Warm Dim 97+ CRI @ 3000K

| Ordering Code | Lumens, Nominal Delivered | Input Power, Nominal | Efficacy, Nominal |
|---------------|---------------------------|----------------------|-------------------|
| 05LM*         | 470 lm                    | 8.5W                 | 55.2 lm/W         |
| 07LM*         | 700 lm                    | 12.68W               | 55.2 lm/W         |
| 09LM          | 894 lm                    | 16.19W               | 55.2 lm/W         |
| 12LM          | 1,220 lm                  | 22.08W               | 55.2 lm/W         |

\*Insulated Ceiling (IC) Rated

## DIMMING

### DIMMING COMPATIBILITY FOR -DIMA1 CODE

Opus® Aria 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.

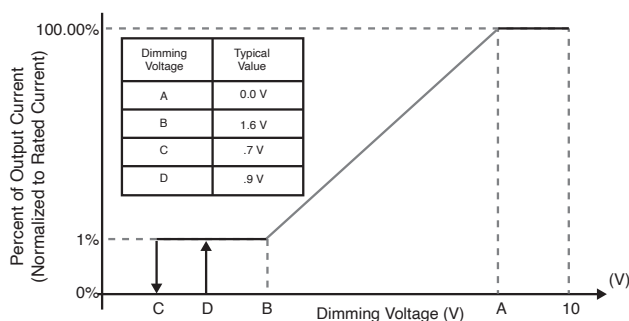
### COMPATIBLE PHASE-CUT DIMMERS FOR -DIMA1 CODE

| 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 | 6683-1W    | 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

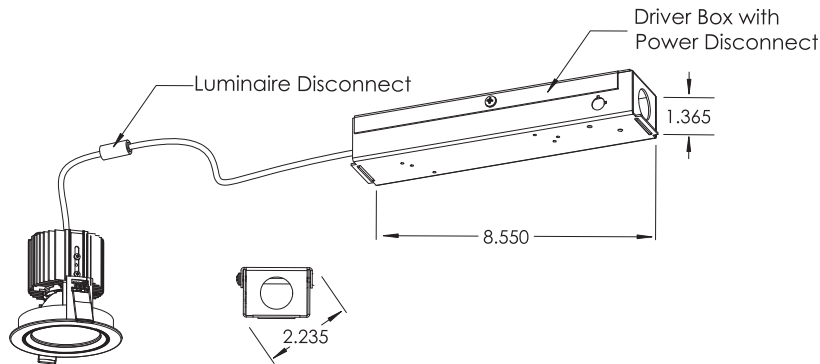
| 0-10V Dimmers |                   |          |
|---------------|-------------------|----------|
| Mfg.          | Model             | Part No. |
| Lutron        | Nova series       | NFTV     |
| Leviton       | IllumaTech series | IP710-DL |
| Lutron        | Diva series       | DVTV     |

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

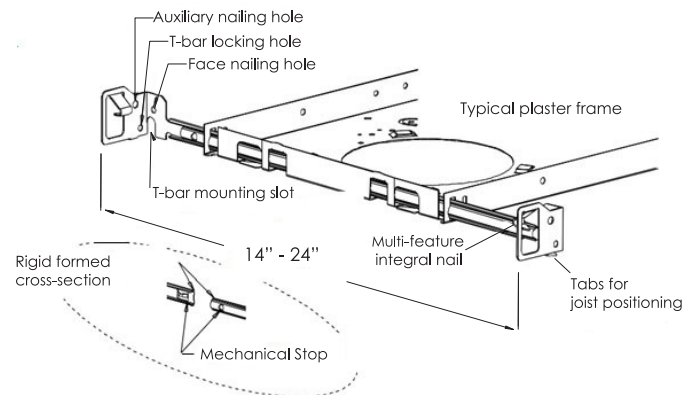
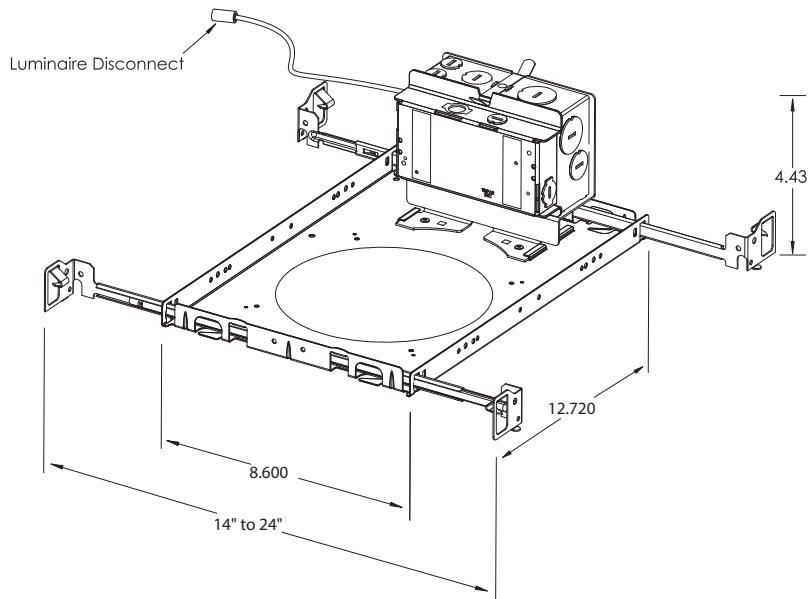


## MOUNTING

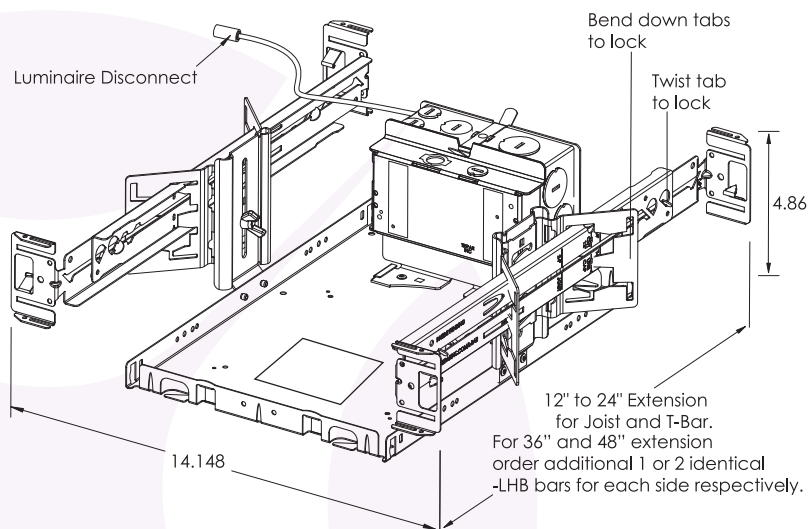
### Remodeler Mounting (No Suffix)



### HB Suffix Mounting



### HBH Suffix Mounting



(IC)-EN Suffix Mounting

