# FRAXION®4
# WALLWASH

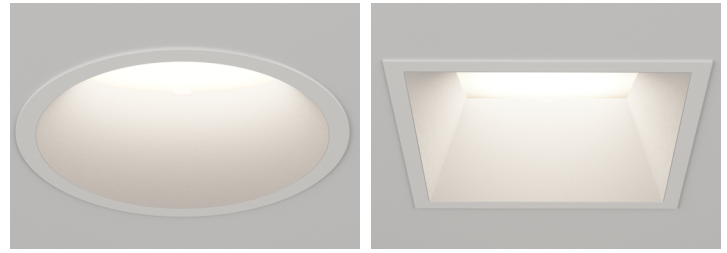| PROJECT NAME: | TYPE: |
|---|---|



Fraxion4 standard offers a traditional housing and separate trim assembly. Conversely, Fraxion4 Slim incorporates an LED, optic, and housing into a single complete unit featuring a removable baffle and trim.

## ORDERING INFORMATION - DOWNLIGHT / HOUSING

⚡ Quick Ship Product. All rough in components ship within 10 days up to quantities of 100.

🏅 TITLE 24 COMPLIANT — **JA8-2022 INDICATED BY SHADING**

| SHAPE | TRIM | RATING | FLANGE FINISH | BAFFLE FINISH | LUMEN PACKAGE | CCT | OPTIC (UGR) | INSTALL TYPE | CEILING THICKNESS | DRIVER |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | **WW** | | | |
| **F4R** Round<br>**F4S** Square | **FWW** Standard Flange<br>**MWW** Microflange<br>**TWW** Trimless<br><br>**FWW** Standard Flange<br>**MWW** Microflange<br>**TWW** Trimless | **1** IP20 Dry/Damp<br>**2** IP64 Wet*<br>*(Suction cup provided for Aim & Focus) | **WH** White<br>**AG** Satin Silver<br>**AU** Cashmere Gold<br>**BB** Burnt Bronze<br>**BK** Black<br>**PR** Primer<br>**00** Trimless*<br>*(Required for trimless)<br>**CF** Custom Finish*<br>*(Consult Factory) | **WH** White<br>**AG** Satin Silver<br>**AU** Cashmere Gold<br>**BB** Burnt Bronze<br>**BK** Black<br>**PR** Primer<br>**CF** Custom Finish*<br>*(Consult Factory) | **STATIC WHITE**<br>**80S11A** 80+ CRI, 11W, Lumens Dlvd. - 1023<br>**80S15A** 80+ CRI, 15W, Lumens Dlvd. - 1389<br>**80S21A** 80+ CRI, 21W, Lumens Dlvd. - 1857<br>**80S30B** 80+ CRI, 30W, Lumens Dlvd. - 2514*<br>*(Not available for IC housing applications)<br>**90S11A** 90+ CRI, 11W, Lumens Dlvd. - 879<br>**90S15A** 90+ CRI, 15W, Lumens Dlvd. - 1193<br>**90S21A** 90+ CRI, 21W, Lumens Dlvd. - 1595<br>**90S30B** 90+ CRI, 30W, Lumens Dlvd. - 2160*<br>*(Not available for IC housing applications)<br>**97S11A** 97+ CRI, 11W, Lumens Dlvd. - 772<br>**97S15A** 97+ CRI, 15W, Lumens Dlvd. - 1047<br>**97S21A** 97+ CRI, 21W, Lumens Dlvd. - 1400<br>**97S30B** 97+ CRI, 30W, Lumens Dlvd. - 1896*<br>*(Not available for IC housing applications) | **24** 2400K*<br>*(90+ CRI only. Not available for 21W or 30W package)<br><br>**27** 2700K<br>**30** 3000K<br>**35** 3500K<br>**40** 4000K | **WW** Wallwash Optic (>19) | **HOUSING INTEGRAL DRIVER**<br>**IC** IC ⚡<br>**NC** NIC ⚡<br>**AT** IC, Airtight* ⚡<br>*(CCEA, Airtight & Title 24 compliant housing)<br><br>**HOUSING REMOTE DRIVER**<br>**IR** IC, Remote ⚡<br>**NR** NIC, Remote ⚡<br>**AR** IC, Airtight, Remote* ⚡<br>*(CCEA, Airtight & Title 24 compliant housing)<br><br>**REMODEL**<br>**RM** Remodel<br>**RR** Remote, Remodel | **1** 0.125" - 1.25"*<br>*(Housing )<br>0.25" - 1.25"*<br>*(Remodel)<br>0.50" - 1.25"*<br>*(All Trimless)<br><br>**T** 0.125" - 1.25"*<br>*(Includes adjustable housing height bracket) | **DOMESTIC (120V)**<br>**TR2** Philips, 2% Leading/Trailing/Triac*<br>*(Not available for 30W packages)<br>**L23** Lutron, Hi-Lume 1% 2-Wire<br><br>**UNIVERSAL (120-277V)**<br>**LH1** Lutron, Hi-Lume 1% Ecosystem<br>**AN4** Philips Xitanium 1% 0-10V, LOG<br>**LN2** Philips Xitanium 1% 0-10V, LIN<br>**EA2** eldoLED, SOLOdrive 0.1% 0-10V, LOG<br>**LA2** eldoLED, SOLOdrive 0.1% 0-10V, LIN<br>**ED1** eldoLED, SOLOdrive 0.1% DALI-2, LOG<br>**AS1 / ASR** Athena Control eldoLED, SOLOdrive 0.1%*<br>*(Includes Athena Node. Extended lead time, consult factory. ASR includes shunt)<br>**CS1 / CSR** Casambi Control eldoLED, SOLOdrive 0.1%*<br>*(Remote only. Includes Casambi Node. Extended lead time, consult factory. CSR includes shunt) |
| | | | | | **WARM DIM**<br>**90W15A** 90+ CRI, 15W<br><br>Incandescent Profile: 2700K - 1800K<br>Lumens Dlvd. - 848<br><br>Standard Profile: 3000K - 1800K<br>Lumens Dlvd. - 860<br><br>SEE PAGE 4 FOR DETAILED WARM DIM PROFILE COMPARISON. | **WL** 2700K - 1800K<br><br>**WD** 3000K - 1800K | | | | |
| | | | | | **TUNABLE WHITE**<br>**90T13B** 90+ CRI, 13W*<br>*(Not available for Remodel applications)<br>Cool Profile: 5000K - 2700K<br>Lumens Dlvd. - 846<br>Warm Profile: 4000K - 1800K<br>Lumens Dlvd. - 854<br><br>**90T22B** 90+ CRI, 22W*<br>*(Not available for Remodel applications)<br>Cool Profile: 5000K - 2700K<br>Lumens Dlvd. - 1356<br>Warm Profile: 4000K - 1800K<br>Lumens Dlvd. - 1368<br><br>ALL LUMENS DELIVERED OUTPUTS AND T24 COMPLIANCE REFLECT 3000K. | **TH** 5000K - 2700K<br><br>**TR** 4000K - 1800K | | **IC HOUSING:** 6.5" TALL<br><br>**NIC HOUSING:** 4.5" TALL | | **TUNABLE WHITE POWER SUPPLIES (120-277V)**<br>**DD1** eldoLED, DUALdrive 0.1% DALI-2, LOG<br>**DG1** eldoLED, DUALdrive 0.1% 0-10V, LOG<br>**DL1** eldoLED, DUALdrive 0.1% 0-10V, LIN<br>**AD1 / ADR** Athena Control eldoLED, DUALdrive 0.1%*<br>*(Includes Athena Node. Extended lead time, consult factory. ADR includes shunt)<br>**CD1 / CDR** Casambi Control eldoLED, DUALdrive 0.1%*<br>*(Remote only. Includes Casambi Node. Extended lead time, consult factory. CDR includes shunt) |

**(WH)** White Powder Coat
**(AG)** Satin Silver Powder Coat
**(AU)** Cashmere Gold Powder Coat
**(BB)** Burnt Bronze Powder Coat
**(BK)** Black Powder Coat

## PART NUMBER NOTES
- Trim ships as e.g., F4SMWW1-WHWH-90S15A2-5I1-AN4
- Housing ships as e.g., ICT-F4R-01
- Driver ships with trim

🔴 Red List Approved — **Declare.**

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pg. 1

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## ACCESSORIES

### REPLACEMENT BAFFLE ASSEMBLY (INCLUDES MEDIA)

| ASSEMBLY | SHAPE | TRIM | RATING | FLANGE FINISH | |
|---|---|---|---|---|---|
| **RBA** - | | | - | | - 1 |
| REPLACEMENT BAFFLE ASSEMBLY | **F4R** Round | **FWW** Standard Flange<br>**MWW** Microflange<br>**TWW** Trimless | **1** Dry / Damp<br>**2** Wet | **WH** White<br>**BK** Black<br>**PR** Primer<br>**AU** Cashmere Gold<br>**AG** Satin Silver<br>**BB** Burnt Bronze<br>**CF** Custom Finish*<br>*[Consult Factory] | |
| | **F4S** Square | **FWW** Standard Flange<br>**MWW** Microflange<br>**TWW** Trimless | | | |

### REPLACEMENT OPTICS
Interchangeable optics accessible through fixture aperture.

**STATIC WHITE**

☐ **RO-70-WW-S** Wallwash optic

**WARM DIM**

☐ **RO-70-WW-W2** Wallwash optic

**TUNABLE WHITE**

☐ **RO-70-WW-T** Wallwash optic

### T-GRID ACCESSORY KIT
Supplied with ceiling thickness "T" and recommended for installations in T-Grid up to 1.5" tall. Available for ceiling thicknesses from 0.125" - 1.25".

☐ **DHA-TG-KIT**

### FURRING CHANNEL ACCESSORY KIT
Recommended for installations in furring channel. Available for ceiling thicknesses from 0.125" - 1.25".

☐ **DHA-FC-KIT**

### HANGER BAR EXTENDER KIT
Extends hanger bars from 24.0" to 46.0" maximum.

☐ **FRX-HBE-46** Extender, Hanger Bar

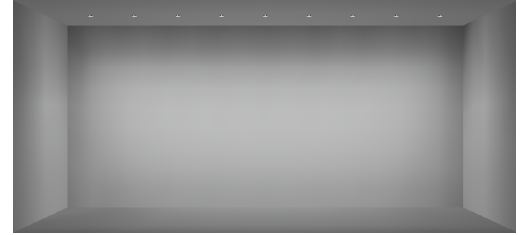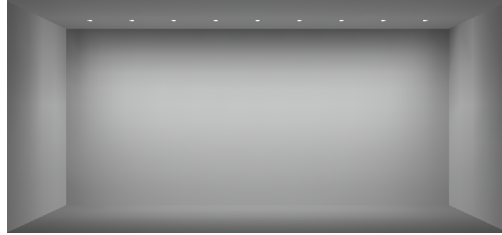### EMERGENCY LIGHTING - REMOTE MOUNT ONLY
During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.

☐ **EMB-S-25-120/277-LEDX**   25 watt max capacity, 120 or 277 VAC 60Hz, Non-Dimmable
☐ **EMB-S-100-120-LEDX**   100 watt max capacity, 120 VAC 60Hz, 0-10V Dimmable
☐ **EMB-S-100-277-LEDX**   100 watt max capacity, 277 VAC 60Hz, 0-10V Dimmable
☐ **EMB-S-250-120/277-LEDX**   250 watt max capacity, 120 or 277 VAC 60Hz, 0-10V Dimmable

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pg. 2

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# FRAXION4 WALLWASH

## ROUND

**30" SETBACK / 30" ON CENTER SPACING**
- AVERAGE FC: 23.81
- MIN / MAX: 4.23
- 10FT CEILING SHOWN / 8-12FT IDEAL
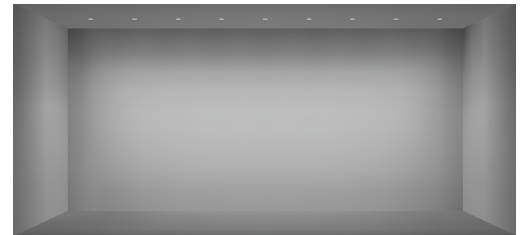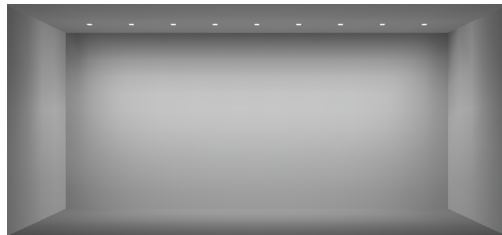- 9 FIXTURES / 25FT WALL SHOWN

**RECOMMENDED**
**36" SETBACK / 36" ON CENTER SPACING**
- AVERAGE FC: 18.27
- MIN / MAX: 4.43
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 30FT WALL SHOWN

**42" SETBACK / 42" SPACING ON CENTER**
- AVERAGE FC: 14.44
- MIN / MAX: 5.51
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 35FT WALL SHOWN

## SQUARE

**30" SETBACK / 30" ON CENTER SPACING**
- AVERAGE FC: 25.23
- MIN / MAX: 4.12
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 25FT WALL SHOWN

**RECOMMENDED**
**36" SETBACK / 36" ON CENTER SPACING**
- AVERAGE FC: 19.43
- MIN / MAX: 4.19
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 30FT WALL SHOWN

**42" SETBACK / 42" SPACING ON CENTER**
- AVERAGE FC: 15.32
- MIN / MAX: 5.18
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 35FT WALL SHOWN

## ADDITIONAL SPACINGS AND SETBACKS

| ROUND | | | |
|---|---|---|---|
| ON CENTER SPACING | SETBACK | | |
| | 30" | 36" | 42" |
| 30" | SHOWN ABOVE | AVERAGE FC: 21.62 MIN / MAX: 4.38 | AVERAGE FC: 19.42 MIN / MAX: 4.72 |
| 36" | AVERAGE FC: 16.38 MIN / MAX: 4.53 | SHOWN ABOVE | AVERAGE FC: 16.53 MIN / MAX: 4.73 |
| 42" | AVERAGE FC: 17.28 MIN / MAX: 5.40 | AVERAGE FC: 15.79 MIN / MAX: 5.41 | SHOWN ABOVE |

| SQUARE | | | |
|---|---|---|---|
| ON CENTER SPACING | SETBACK | | |
| | 30" | 36" | 42" |
| 30" | SHOWN ABOVE | AVERAGE FC: 23.05 MIN / MAX: 4.17 | AVERAGE FC: 20.74 MIN / MAX: 4.15 |
| 36" | AVERAGE FC: 17.03 MIN / MAX: 4.26 | SHOWN ABOVE | AVERAGE FC: 17.62 MIN / MAX: 4.51 |
| 42" | AVERAGE FC: 18.34 MIN / MAX: 5.00 | AVERAGE FC: 16.79 MIN / MAX: 5.02 | SHOWN ABOVE |

**\*ALL DATA REFLECTS 90C19A LUMEN PACKAGE**

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pg. 3

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# FRAXION4 WALLWASH

| LUMEN PACKAGE | WATTS | WW OPTIC | |
|---|---|---|---|
| | | DLVD. | LPW |
| 80S11A | 11 | 1023 | 93 |
| 80S15A | 15 | 1389 | 93 |
| 80S21A | 21 | 1857 | 88 |
| 80S30B | 30 | 2514 | 84 |
| 90S11A | 11 | 879 | 80 |
| 90S15A | 15 | 1193 | 80 |
| 90S21A | 21 | 1595 | 76 |
| 90S30B | 30 | 2160 | 72 |
| 97S11A | 11 | 879 | 80 |
| 97S15A | 15 | 1193 | 80 |
| 97S21A | 21 | 1595 | 76 |
| 97S30B | 30 | 2160 | 72 |
| 90W15A (WL 27K-18K) | 15 | 860 | 57 |
| 90W15A (WL 30K-18K) | 15 | 848 | 57 |
| 90T13B (40K-18K) | 13 | 854 | 66 |
| 90T13B (50K-27K) | 13 | 846 | 65 |
| 90T22B (40K-18K) | 22 | 1368 | 62 |
| 90T22B (50K-27K) | 22 | 1356 | 62 |

### OUTPUT MULTIPLIER

| CCT | CCT SCALE |
|---|---|
| 2400K | 0.85 |
| 2700K | 0.97 |
| 3000K | 1.00 |
| 3500K | 1.03 |
| 4000K | 1.08 |

### TUNABLE WHITE MULTIPLIER

| CCT | 5000K-2700K | 4000K-1800K |
|---|---|---|
| 5000K | 1.16 | - |
| 4000K | 1.08 | 1.14 |
| 3500K | 1.04 | 1.07 |
| 3000K | 1.00 | 1.00 |
| 2700K | 0.96 | 0.92 |
| 2400K | - | 0.84 |
| 1800K | - | 0.69 |

### UNIFIED GLARE RATING

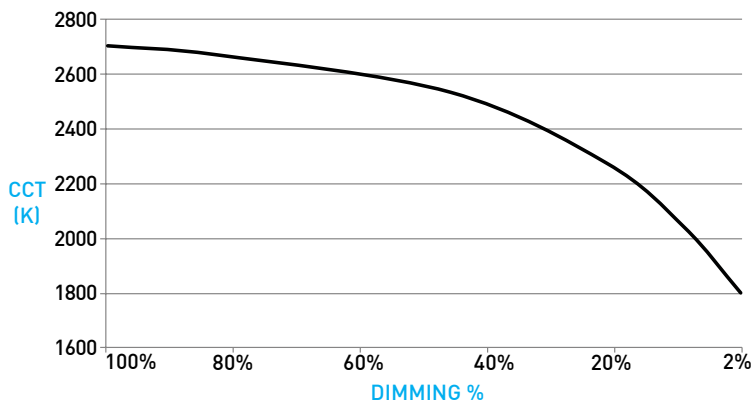| WALLWASH OPTIC |
|---|
| >19 |

## ☀ WARM DIM PERFORMANCE

### WARM DIM TO MIRROR INCANDESCENT DIMMING PROFILE

| WL 2700K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|---|---|---|---|---|---|---|---|
| CCT (K) | 2700 | 2650 | 2620 | 2520 | 2180 | 1950 | 1800 |
| Light Output (Lm) | 860 | 688 | 602 | 430 | 172 | 86 | 17 |
| Power (W) | 15 | 12 | 10.5 | 7.5 | 3 | 1.5 | .3 |
| Efficacy (LPW) | 57 | 57 | 57 | 57 | 57 | 57 | 57 |

### HALOGEN WARM DIM PROFILE

| WD 3000K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|---|---|---|---|---|---|---|---|
| CCT (K) | 3000 | 2950 | 2920 | 2775 | 2375 | 2000 | 1800 |
| Light Output (Lm) | 848 | 678 | 593 | 424 | 169 | 84 | 16 |
| Power (W) | 15 | 12 | 10.5 | 7.5 | 3 | 1.5 | .3 |
| Efficacy (LPW) | 57 | 57 | 57 | 57 | 57 | 57 | 57 |

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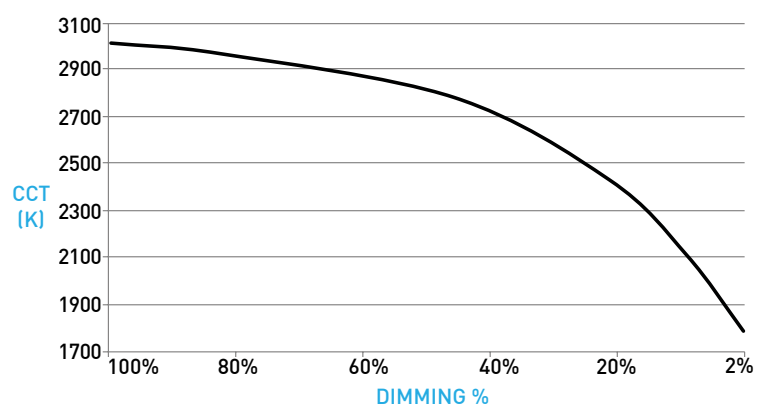
# FRAXION4 WALLWASH

## DOWNLIGHT

**(A) BAFFLE**

**ROUND / SQUARE**
Die-cast removable baffle provides easy access to tilting mechanism. Minimizes aperture glare and conceals view into housing; includes silicone gasket.

**TRANSITIONAL BAFFLE**
Die-cast removable baffle transitions from square aperture at ceiling plane to round aperture at light source. Minimizes aperture glare and conceals view into housing; includes silicone gasket.

**(B) RETENTION**
Integrated metal arm clamps located within fixture body allow discreet flange design, while accommodating varying ceiling thicknesses from 0.125" to 1.25". Snap-on spacer clips (3X) supplied for ceiling thickness below 0.50" only.

**(C1) STANDARD FLANGE PROFILE**
Provides 0.86" total contractor (goof) allowance with 0.50" flange. Thickness measures 0.06". Wet location features integral silicone gasket.

**(C2) MICROFLANGE PROFILE**
Provides industry standard 0.42" total contractor (goof) allowance with 0.28" flange. Thickness measures 0.06". Wet location features integral silicone gasket.

**(C3) TRIMLESS PROFILE**
Installs totally flush with the ceiling with no visible trim. Features integrated appliqué for plaster floating directly to the baffle, thickness measures 0.15" including 0.06" plaster stop. Not recommended for stucco applications.
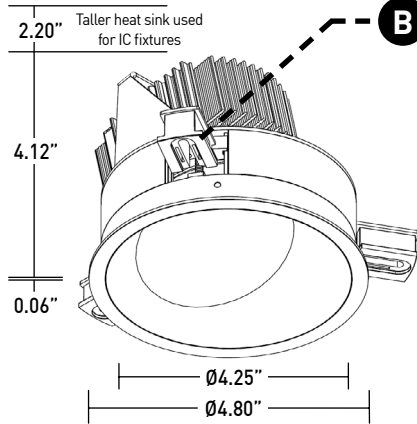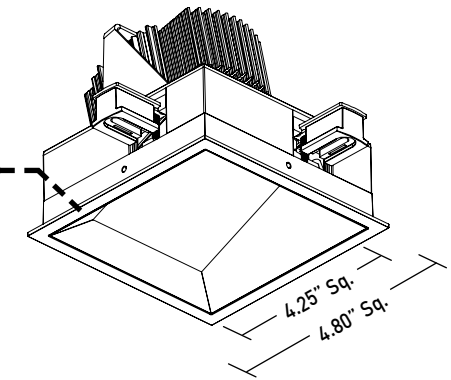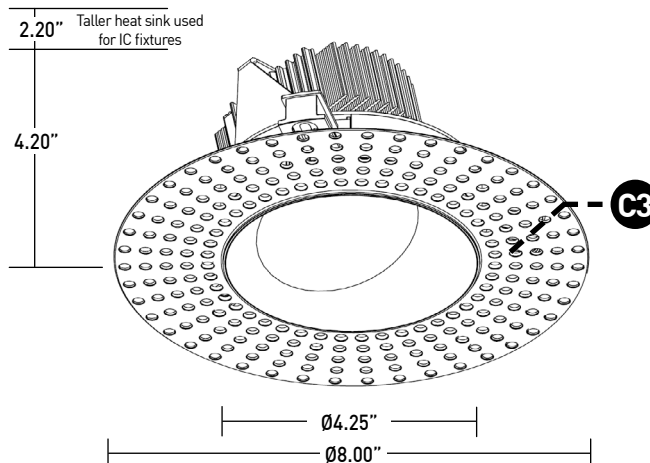
## DIMENSIONS / DRAWINGS

**F4RFWW**



2.20" Taller heat sink used for IC fixtures
4.12"
0.06"
Ø4.25"
Ø5.30"

**F4SFWW**



4.25" Sq.
5.30" Sq.

**F4RMWW**



2.20" Taller heat sink used for IC fixtures
4.12"
0.06"
Ø4.25"
Ø4.80"

**F4SMWW**



4.25" Sq.
4.80" Sq.

**F4RTWW**



2.20" Taller heat sink used for IC fixtures
4.20"
Ø4.25"
Ø8.00"

**F4SWW**



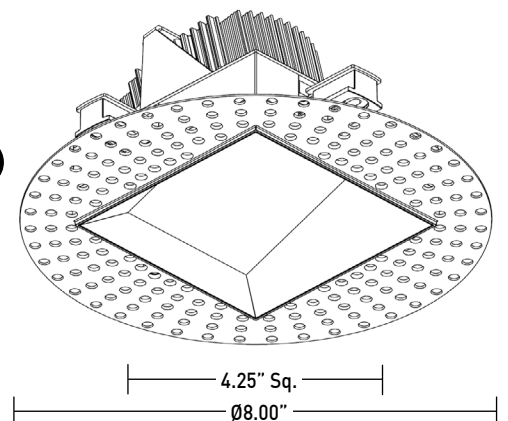4.25" Sq.
Ø8.00"

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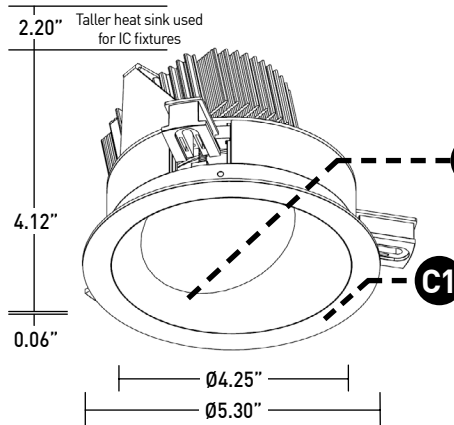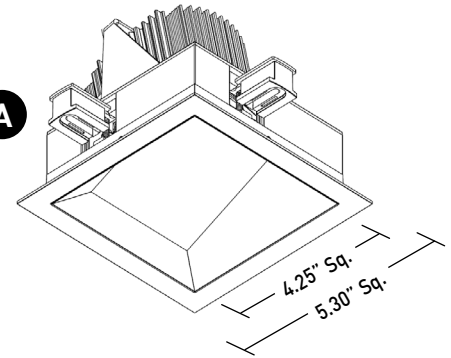
# FRAXION4 WALLWASH

## DOWNLIGHT / HOUSING

**D** OPTIC
Robust light engine with optimized wallwash optic pairing integrates Reflection, Refraction and TIR.

**E** MEDIA
Asymmetrical spread lens, included and sealed in place, combined with angled optic and wide aperture enhance uniformity.

## HOUSING / MOUNTING

**F** ICT (IC) HOUSING - TALL
- For IC ceilings.
- CCEA, Airtight and Title 24 (JA8) listed.
- Accommodates max 2259 delivered lumens.
- No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top of housing.

**G** NCM (NIC) HOUSING - MEDIUM
- Minimum 0.50" setback from combustible and non-combustible materials on all sides and top of housing.
- Minimum 3.00" setback from insulation material having max R-Value 30 on all sides and top of housing.
- Minimum 6.00" setback from polycell spray foam insulation having max R-Value 60.

**H** HOUSING COLLAR
- Requires 4.625" cutout.
- Fixed round aperture or square aperture with 45 degree rotation that locks from below providing easy alignment of square aperture housings.
- Accommodates varying ceiling thicknesses.

**I** ATHENA / CASAMBI CONTROL
Controls integrated into housing assembly. All equipment is serviceable.
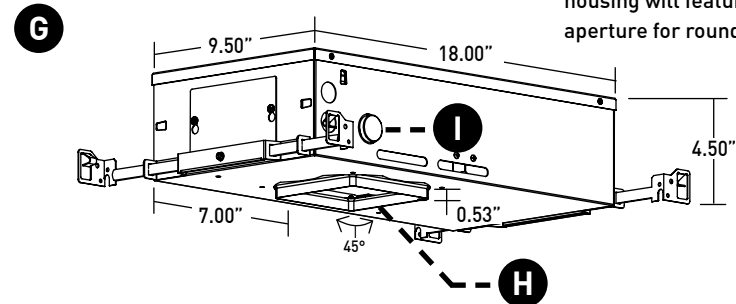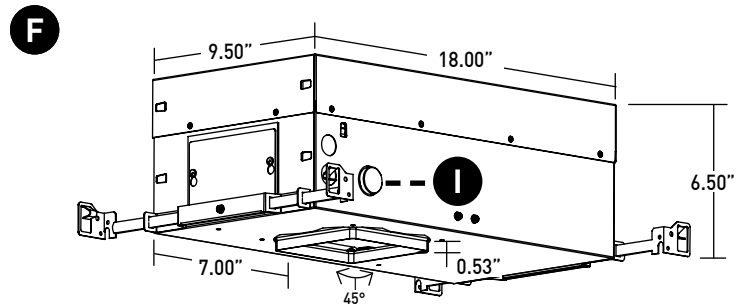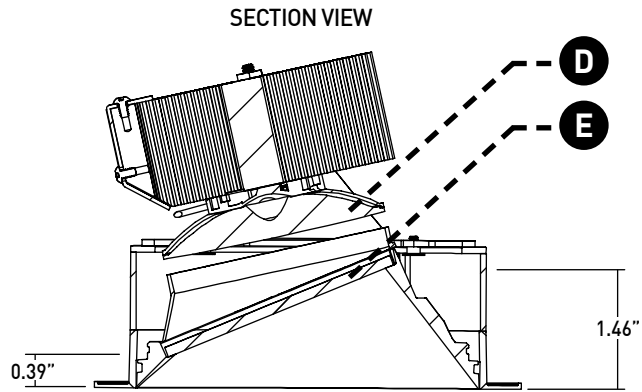
Athena Model Numbers: A-WN-D01-RF-BL & DFC-OEM-DBI

Casambi Model Number: BT-S1E1-5400

**J** ADJUSTABLE HANGER BAR HEIGHT ACCESSORY
Provided with ceiling thickness "T" and recommended for installations in T-Grid. Hanger bars are installed to adjustable bracket. Allows housing to be raised and lowered; ceiling thickness remains 0.5" to 1.0" max.
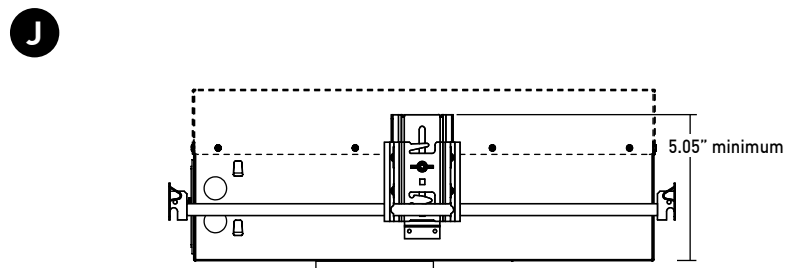
## HOUSING / MOUNTING NOTES

- Do not install in environments where ambient temperatures exceed 40°C (104°F).
- Power supply compartment and all splice connections may be serviced from room side.
- Consult factory for spacing requirements for any installations exceeding R-Value 60.
- Hanger bars fitted to short side of housing, and long side of Low Flux housings; extend from 14.0" to 24.0", but may be field cut to accommodate narrow stud spacing. Can be extended up to 46" maximum with FRX-HBE-46 kit. Hanger bars and brackets add 4.00" to the overall dimension, but are exclusive of the setback requirements.
- Driver assembly ships with trim, not housing. Housing and trim feature push nuts and lever nuts for ease of installation.

## DIMENSIONS / DRAWINGS

SECTION VIEW



NOTE: Square housing shown, housing will feature round aperture for round fixtures.

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pg. 6

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# FRAXION4 WALLWASH

## REMOTE POWER SUPPLY

**(K) REMOTE APPLICATIONS**
- Provided with install types "IR", "NR", "AR", and "RR".
- Requires plenum rated Class 2 cable between fixture and remote driver. Cable supplied by others.
- See page 7 for maximum allowable wiring distance.
- Must be installed in an accessible location
- Do not install in environments where ambient temperatures exceed 40°C (104°F).

**(L) ATHENA / CASAMBI CONTROL**
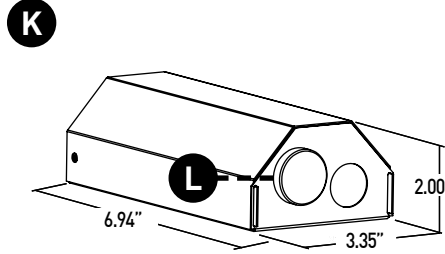Controls integrated into remote driver assembly. All equipment is serviceable.

Athena Model Numbers: A-WN-D01-RF-BL & DFC-OEM-DBI
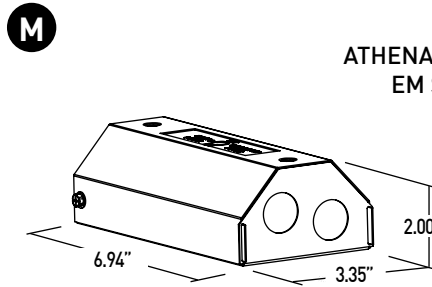
Casambi Model Number: BT-S1E1-5400

**(M) ATHENA / CASAMBI EM SHUNT**
Inlcuded with drivers specified as ASR, ATR, CSR, or CTR. One required for each wireless EM fixture, requires class 2 control wiring between fixture and shunt. Features integrated test switch.
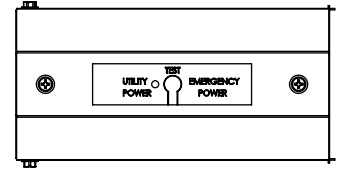
Model Number: PS-RMT-SHUNT
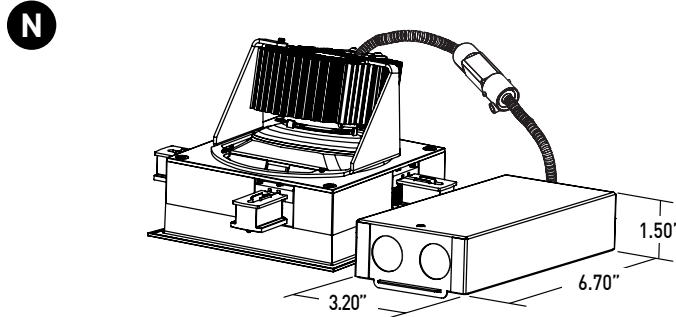
## REMODEL POWER SUPPLY

**(N) REMODEL WITH NON-IC TETHERED POWER SUPPLY**
- Requires 4.42" cutout.
- Installs without conventional housing using integral mounting clamps.
- Tethered power supply / junction box with metal conduit protected wiring and quick-connect plug between fixture and power supply.
- Minimum 0.75" clearance from top of trim.
- Minimum setback from combustible and non-combustible materials of 6.63" radius from fixture centerline; minimum 3.00" from surfaces of power supply / junction box if not situated within above noted radius from fixture centerline.
- Minimum additional 3.00" setback from insulation material with max R-Value 30 from any surface of downlight fixture assembly.
- Minimum additional 6.00" setback from polycell spray foam insulation with max R-Value 60 from any surface of downlight fixture assembly.
- Do not install in environments where ambient temperatures exceed 40°C (104°F).
- All splice connections serviceable from room side.
- Consult factory for spacing requirements for any installations exceeding R-Value 60.

| | A | B | C |
|---|---|---|---|
| <30W STATIC WHITE / WARM DIM | 6.94" | 3.35" | 2.00" |
| 30W STATIC WHITE | 8.10" | 5.00" | 2.00" |
| TUNABLE WHITE | 8.10" | 5.00" | 2.00" |
| ATHENA / CASAMBI CONTROLLED | 8.10" | 5.00" | 2.00" |

ATHENA / CASAMBI EM SHUNT

[DATE OF REV: 03272024]

# FRAXION4 WALLWASH

## TECHNICAL

### CONSTRUCTION
<u>Downlight</u>: Aluminum and steel. Extruded aluminum heat-sink. Painted finishes are granulated powder coat.
<u>Housing</u>: 22 Gauge galvanized steel.
<u>Remote Power Supply</u>: 22 Gauge galvanized steel.
<u>Appliqué</u>: Zinc Alloy

### STATIC WHITE LED
2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. 3-step MacAdam ellipse LED module available in 90+ CRI configuration in color temperature of 2400K. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

### WARM DIM LED
3-step MacAdam ellipse warm dim LED module available in 90+ CRI configuration. 3000K or 2700K at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

### TUNABLE WHITE LED
3-step MacAdam ellipse tunable white LED module available in 90+ CRI configuration. Features tuning ranges of 1800K to 4000K and 2700K to 5000K. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

### POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

| Power Supply | ELV | ECO | | 0-10V | | | | | | DALI-2 | | | ATHENA | | CASAMBI | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TR2 | L23 | LH1 | AN4 | LN2 | EA2 | LA2 | DL1 | DG1 | ED1 | LD1 | DD1 | AS | AD | CS | CD |
| Minimum °C | -20°C | 0°C | 0°C | -20°C | -20°C | -20°C | -20°C | -20°C | -20°C | -20°C | -20°C | -20°C | 0°C | 0°C | -20°C | -20°C |
| Maximum °C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C | 40°C |
| Dimming % | 2.0% | 1.0% | 1.0% | 1.0% | 1.0% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% |

Note: For TR2, L23, LH1, LP1, AN4, EA2 and LA2 drivers consult chart on page 9 to confirm appropriate dimming curve for compatibility with selected control.

### MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

| DRIVER | WIRE AWG | | | | |
|---|---|---|---|---|---|
| | 12 | 14 | 16 | 18 | 20 |
| TR2, AN4, LN2 | 285' | 180' | 113' | 71' | 45' |
| L23, LH1 | 60' | 40' | 25' | 15' | - |
| EA2, LA2, ED1, LD1, DG1, DL1, DD1, AS, AD, CS, CD | - | - | 118' | 72' | 46' |

### SPACING
Recommended fixture spacing is 36" (914mm) on center with 36" (914mm) setback from wall plane.

### LISTING
cTUVus listed to UL1598 standard for Dry / Damp and Wet locations.
CCEA, Airtight and Title 24 JA8-2022 Listed.
NEMA 410 Compliant.
U.S. Patent: 10,344,958

### DECLARE
LBC Red List Approved.

### WEIGHT
Trim - 3 lbs max
IC Housing - 7 lbs
NIC Housing - 6 lbs
Remote / Remodel Driver - 1.4 lbs

### LIMITED WARRANTY
Manufacturer's Limited Warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service for 1-year. LED and power supplies are warranted to operate with 70% of original flux and remain within a range of 3 duv for a period of 5-years. 10-year Lutron Advantage limited warranty available on Lutron equipped systems. Warranty period begins from the date of shipment by Seller. Consult website for full warranty terms and conditions.

### CHANGE LOG
1. 04/07/2022: REMOVED REMOTE REMODEL ACCESSORY KIT PSF4-RMT-AK.
2. 10/17/2022: REMOVED 90W13A 3200K-1800K WARM DIM AND ADDED 90W12A 3000K-1800K WARM DIM.
3. 04/26/2023: ADDED DECLARE LBC RED LIST APPROVED.
4. 08/08/2023: ADDED NEW LED AND OPTIC SYSTEM.
5. 02/08/2024: ADDED ATHENA AND CASAMBI CONTROL OFFERING, 2400K, AND WARM PROFILE TUNABLE WHITE.
6. 03/27/2024: UPDATED CASAMBI TO REMOTE OFFERING ONLY.

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As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.

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[DATE OF REV: 03272024]

# FRAXION4 WALLWASH

## DIMMING COMPATIBILITY

### PHILIPS DRIVER COMPATIBILITY

| Power supply TR2 Manufacturer | Family/Model # |
|---|---|
| Lutron Electronics | DV-600P |
| Lutron Electronics | DVELV-303P |
| Lutron Electronics | NTELV-600 |
| Lutron Electronics | MAELV-600 |
| Lutron Electronics | SELV-300P |
| Lutron Electronics | DVLV-600P |
| Lutron Electronics | NFTU-5A |
| Lutron Electronics | CTCL-153P |
| Lutron Electronics | GL-600H |
| Lutron Electronics | S-600P |
| Lutron Electronics | PHPM |

| Power supply AN4 Manufacturer | Family/Model # |
|---|---|
| Lutron Electronics | DVTV plus PP-DV |
| Lutron Electronics | DVSCTV plus PP-DV |
| Lutron Electronics | DVSTV |
| Lutron Electronics | DVSCSTV |
| Lutron Electronics | QSGRJ-XP plus GRX-TVI |
| Lutron Electronics | QSGRJ-XE plus GRX-TVI |
| Lutron Electronics | QSGR-XE plus GRX-TVI |
| Lutron Electronics | NFTV plus PP-DV |
| Lutron Electronics | NTSTV |
| Lutron Electronics | RMJ-5T |
| Lutron Electronics | RMJS-8T |
| Lutron Electronics | FCJS-010 |
| Leviton | IllumaTch IP7 series |
| Philips | Sunrise - SR1200ZTUNV |

### LUTRON DRIVER COMPATIBILITY

| Power supply L23 Lutron Product Family | Part No. |
|---|---|
| Maestro WirelessR 600 W dimmer | MRF2-6ND-120- |
| Maestro WirelessR 1000 W dimmer | MRF2-10ND-120- |
| Caséta® Wireless Pro 1000 W dimmer | PD-10NXD- |
| GRAFIK T™ CL® dimmer | GT-250M- GTJ-250M- |
| HomeWorks® QS adaptive dimmer | HQRD-6NA- |
| HomeWorks® QS 600 W dimmer | HQRD-6ND- |
| HomeWorks® QS 1000 W dimmer | HQRD-10ND- |
| RadioRA® 2 adaptive dimmer | RRD-6NA- |
| RadioRA® 2 1000 W dimmer | RRD-10ND |
| myRoom™ DIN power module | MQSE-4A1-D |
| HomeWorks® QS DIN power module | LQSE-4A1-D |
| HomeWorks® QS wallbox power module | HQRJ-WPM-6D-120 |
| HomeWorks® wallbox power module | HWI-WPM-6D-120 |
| GRAFIK Eye® QS control unit | QSGR-, QSGRJ- |
| GRAFIK Eye® 3000 control unit | GRX-3100- GRX-3500- |
| RPM-4U module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®) | HW-RPM-4U-120 LP-RPM-4U-120 |
| RPM-4A module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®) | HW-RPM-4A-120, LP-RPM-4A-120 |
| GP dimming panels | Various |
| Ariadni CL 250W dimmer | AYCL-253P- |
| Diva CL 250W dimmer | DVCL-253P- DCSCCL-253P- |
| Nova T CL 250W dimmer | NTCL-250- |

| Power supply LH1 Lutron Product Family | Part No. |
|---|---|
| PowPak Dimming Modules | RMJ-ECO32-DV-B |
| PowPak Dimming Modules | FCJ/FCJS-ECO |
| Energi Savr Nodes | QSN-1ECO-S |
| GRAFIK Eye QS control unit Homeworks QS control unit | QSN-2ECO-S |
| GRAFIK Eye QS control unit Homeworks QS control unit | QSGRJ-_E (wireless) QSGR-_E |
| Quantum Hub | QP2-_ _ 2C |
| Quantum Hub | QP2-_ _ 4C |
| Quantum Hub | QP2-_ _ 6C |
| Quantum Hub | QP2-_ _ 8C |
| Homeworks QS power module myRoom Plus power module | LQSE-2ECO-D |

### eldoLED DRIVER COMPATIBILITY

| Power supply EA2 Manufacturer | Family/Model # |
|---|---|
| Busch-Jaeger | 2112U-101 |
| Jung | 240-10 |
| Leviton Lighting Controls | IP710-DLX |
| Lightolier Controls | ZP600FAM120 |
| Merten | 5729 |
| Pass & Seymour | CD4FB-W |
| The Watt Stopper | DCLV1 |
| Synergy | ISD BC |
| Crestron® | GLX-DIMFLV8 |
| Crestron® | GLXP-DIMFLV8 |
| Crestron® | GLPAC-DIMFLV4-* |
| Crestron® | GLPAC-DIMFLV8-* |
| Crestron® | GLPP-DIMFLVEX-PM |
| Crestron® | GLPP-1DIMFLV2EX-PM |
| Crestron® | GLPP-1DIMFLV3EX-PM |
| Crestron® | DIN-AO8 |
| Crestron® | DIN-4DIMFLV4 |
| Crestron® | CLS-EXP-DIMFLV |
| Crestron® | CLCI-1DIMFLV2EX |

| Power supply LA2 Manufacturer | Family/Model # |
|---|---|
| Lutron Electronics | Nova T® - NTFTV |
| Lutron Electronics | Diva® - DVTV |
| Lutron Electronics | Nova® - NFTV |
| Lutron Electronics | GrafixEye® GRX-TVI w GRX3503 |
| Lutron Electronics | Energy Savr Node™ - QSN-4T16-S |
| Lutron Electronics | TVM2 Module |
| Sensor Switch | nIO EZ |
| ABB | SD/S 2.16.1 |

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### ANALOG DRIVERS AND DIMMERS



| DIMMER | DRIVER | OUTPUT |
|---|---|---|
| LIN* | LIN* | *STATIC WHITE ONLY ✓ |
| LOG (VICE VERSA) | LIN | ✓ |
| LOG | LOG | ✗ |
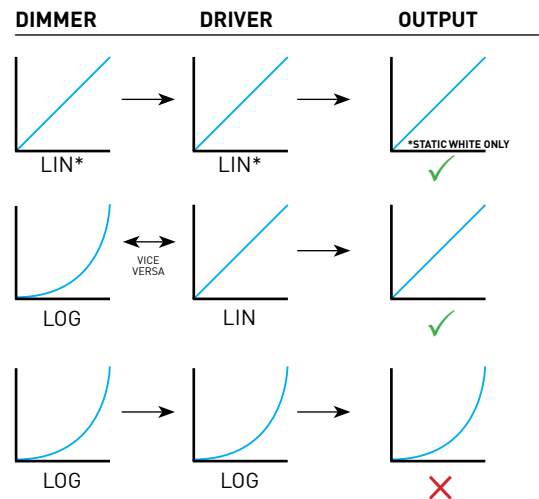
LIN = LINEAR
LOG = LOGARITHMIC
*LIN-TO-LIN NOT COMPATIBLE FOR WARM-DIM OR TUNABLE WHITE

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