

# FRAXION® 3 SLIM

## SHALLOW REGRESS

- Max output of 2882lm at 80+ CRI
- Baffle options in round and square featuring UGR as low as 4
- Integral drivers for tunable white with our 2 ranges, 1800K to 4000K and 2700K to 5000K
- Now available for remodel and concrete pour applications. See separate spec sheet.

PROJECT NAME:	TYPE:
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### ORDERING INFORMATION - FIXTURE



JA8-2022 INDICATED BY SHADING

SHAPE	RATING	TYPE	FINISH	BAFFLE FINISH	CRI	WATTAGE	CCT	OPTIC (UGR)	MEDIA	INSTALL TYPE	CEILING THICKNESS	DRIVER
F3RS Round Shallow Regress	1 IP20 Dry/Damp	A Adjustable	POWDERCOAT MICROFLANGE	POWDERCOAT	STATIC WHITE	STATIC WHITE	24 2400K* * (190+ CRI 11A, 15A, and 15C only)	10 10° (<10)	STANDARD MEDIA	INTEGRAL DRIVER	1 0.50" - 1.375"	INTEGRAL / REMOTE
F3SS Square Shallow Regress	2 IP64 Wet* * (Suction cup provided for aim and focus)	F Fixed	WH White	WH White	80S 80+	06A 06W - 795 Lm	15 15° (>19)	04 Soft Focus Lens* * (Required for 10° Optic)	IC IC	2 1.375" - 2.125"	PH1 Forward / Reverse Phase, 2%, 120V*	PH1 Forward / Reverse Phase, 2%, 120V* * (Consult factory for 30W)
F3TS Square Transitional Shallow Regress* * (Not available for wallwash)		W Wall-wash	AB Architectural Bronze	AB Architectural Bronze	90S 90+	11A 11W - 1279 Lm	20 20° (<13)	WW Wallwash Lens* * (Required for Wallwash)	NC NIC	AT IC, Airtight	SG3 eldoLED, ECOdrive 1%, 0-10V, LOG, 120V-277V	SG3 eldoLED, ECOdrive 1%, 0-10V, LOG, 120V-277V
			AG Satin Silver	AG Satin Silver	97S 97+	15A 15W - 1729 Lm	25 25° (<13)	ALTERNATE MEDIA	CP CCEA Chicago Plenum	IR IC, Remote	T 0.50" - 1.375"	SN3 eldoLED, ECOdrive 1%, 0-10V, LIN, 120V-277V
			AU Cashmere Gold	AU Cashmere Gold		15C 15W - 633 Lm* * (For use with 10° optic only)	40 40° (<16)	01 Honeycomb Louver* * (Not available for IP64 Wet Location, Adjustable Fixtures, or Warm Dim)	CR CCEA Chicago Plenum, Remote	NR NIC, Remote	G 1.375" - 2.125"	EG1 eldoLED, SOLOdrive 0.1% 0-10V, LOG, 120V-277V
			BB Burnt Bronze	BB Burnt Bronze		21A 21W - 2435 Lm	60 60° (>19)	02 Clear Glass Lens* * (Not available for Warm Dim)	AR IC, Airtight, Remote	CR CCEA Chicago Plenum, Remote		EN1 eldoLED, SOLOdrive 0.1% 0-10V, LIN, 120V-277V
			BK Black	BK Black		30A 30W - 2882 Lm* * (Only available for NR install type. Not available for 97+ CRI or Adjustable fixtures)	85 85° (>19)	03 Frosted Glass Lens				ED1 eldoLED, SOLOdrive 0.1% DALI-2, LOG, 120V-277V
			PR Primer	PR Primer				05 Frosted Soft Focus Lens				LP1 Lutron, Hi-Lume Premier Ecosystem 0.1% Fade to Black, 120V or 277V*
			CF Custom Finish* * (Consult Factory)	CF Custom Finish* * (Consult Factory)				06 Frosted Linear Spread Lens				AS1 / ASR Athena Control eldoLED, SOLOdrive 0.1%, 120V-277V*
			TRIMLESS		WARM DIM	WARM DIM		07 Wide Distribution Lens* * (Required and only available for 85° optic)				CS1 / CSR Casambi Control eldoLED, SOLOdrive 0.1%, 120V-277V*
			TG Trimless Gypsum 1/16"		90W 90+	11A 90+ CRI, 11 Watts Incandescent Profile 11A Lumens Divd. - 757 15A Lumens Divd. - 1046	WL 2600K (11A) 2700K (15A) -1800K	HS Adjustable Honeycomb Louver and Soft Focus Lens* * (Not available for IP64 Wet Location, 21W, Fixed Fixtures, or Warm Dim)				MG1 0.1% 0-10V, LOG
			TM Trimless Miltwork			Halogen Profile 11A Lumens Divd. - 772 15A Lumens Divd. - 1071	WD 2900K (11A) 3000K (15A) -1800K					MN1 0.1% 0-10V, LIN
						SEE PAGE 4 FOR DETAILED WARM DIM PROFILE COMPARISON.						MD2 0.1% DALI-2 DT8 , LOG
					TUNABLE WHITE	TUNABLE WHITE						AM1 / AMR* Athena Control 0.1% * (Includes Athena Node. Extended lead time, consult factory. AMR includes EM Shunt)
					90T 90+	17A 17W Warm Profile: 4000K - 1800K 1231 Lm Cool Profile: 5000K - 2700K 1235 Lm	TR 4000K - 1800K TH 5000K - 2700K					CM1 / CMR* Casambi Control 0.1% * (Includes Casambi Node. Extended lead time, consult factory. CMR includes EM Shunt)
						LUMEN DELIVERED OUTPUTS REFLECT 80+ CRI / 3000K PAIRED WITH 20° OPTIC AND SOFT FOCUS LENS						SEE PAGE 6 FOR ELDOLED TUNABLE WHITE DRIVER OPTIONS.



# FRAXION3 SLIM SHALLOW REGRESS

## ACCESSORIES

### ROUND / SQUARE TRANSITIONAL ALTERNATE MEDIA

IP20 Dry / Damp location only.  
IP64 Wet location requires alternate baffle.

- CGL-F3RS** Clear Glass Lens\*  
\*(Not available for Warm Dim)
- FGL-F3RS** Frosted Glass Lens
- SFL-F3RS** Soft Focus Lens
- FSFL-F3RS** Frosted Soft Focus Lens
- WDL-F3RS** Wide Distribution Lens\*  
\*(Required and only available for 85° beam spread)
- FLSL-F3RS** Frosted Linear Spread Lens

### SQUARE ALTERNATE MEDIA

IP20 Dry / Damp location only.  
IP64 Wet location requires alternate baffle.

- CGL-F3SS** Clear Glass Lens\*  
\*(Not available for Warm Dim)
- FGL-F3SS** Frosted Glass Lens
- SFL-F3SS** Soft Focus Lens
- FSFL-F3SS** Frosted Soft Focus Lens
- WDL-F3SS** Wide Distribution Lens\*  
\*(Required and only available for 85° beam spread)
- FLSL-F3SS** Frosted Linear Spread Lens

### ADJUSTABLE HCL ASSEMBLY

Dry / Damp location only.

- OLR-F3RS1-SFL-HCL** Adjustable Honeycomb Louver and Soft Focus Lens\*  
\*(Not available for IP64 Wet Location, 21W, Fixed Fixtures, or Warm Dim)

## REPLACEMENT BAFFLE ASSEMBLY (INCLUDES MEDIA)

ASSEMBLY	SHAPE	TYPE	RATING	FINISH	MEDIA
<b>RBA</b>					
REPLACEMENT BAFFLE ASSEMBLY	<b>F3RS</b> Round Shallow Regress <b>F3SS</b> Square Shallow Regress <b>F3TS</b> Square Transitional Shallow Regress* *(Not available for Wallwash)	<b>AF</b> Adjustable / Fixed <b>WW</b> Wallwash	<b>1</b> IP20 Dry/Damp <b>2</b> IP64 Wet* *(Requires provided suction cup to service or aim & focus)	<b>WH</b> White <b>AB</b> Architectural Bronze <b>AG</b> Satin Silver <b>AU</b> Cashmere Gold <b>BB</b> Burnt Bronze <b>BK</b> Black <b>PR</b> Primer <b>CF</b> Custom Finish* *(Consult Factory)	<b>04</b> Soft Focus Lens* *(Required for 10° optic) <b>WW</b> Wallwash Lens* *(Required for wallwash) <b>01</b> Honeycomb Louver* *(Not available for IP64 Wet Location, adjustable fixtures, or Warm Dim) <b>02</b> Clear Glass Lens* *(Not available for Warm Dim) <b>03</b> Frosted Glass Lens <b>05</b> Frosted Soft Focus Lens <b>06</b> Frosted Linear Spread Lens <b>07</b> Wide Distribution Lens* *(Required and only available for 85° optic) <b>NL</b> No Lens* *(Not available for IP64 Wet Location or Warm Dim)

## SHALLOW REGRESS / WALLWASH REPLACEMENT OPTICS

Interchangeable optics accessible through fixture aperture.

### STATIC WHITE

- RO-50-15-S** 15° optic
- RO-50-20-S** 20° optic
- RO-50-25-S** 25° optic
- RO-50-40-S** 40° optic
- RO-50-60-S** 60° optic
- RO-45-WW-S** Wallwash optic

### WARM DIM

- RO-50-20-W** 20° optic
- RO-50-25-W** 25° optic
- RO-50-40-W** 40° optic
- RO-50-60-W** 60° optic
- RO-45-WW-W** Wallwash optic

### TUNABLE WHITE

- RO-50-15-T** 15° optic
- RO-50-20-T** 20° optic
- RO-50-25-T** 25° optic
- RO-50-40-T** 40° optic
- RO-45-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 0.50" - 2.125".

- DHA-TG-KIT**

## FURRING CHANNEL ACCESSORY KIT

Recommended for installations in furring channel. Available for ceiling thicknesses from 0.50" - 2.125".

- DHA-FC-KIT**

## HANGER BAR EXTENDER KIT

Extends hanger bars from 24.0" to 46.0" maximum.

- FRX-HBE-46** Extender, Hanger Bar

## REPLACEMENT APPLIQUÉ

- DLA-APP-F3RT** Round
- DLA-APP-F3ST** Square

## REPLACEMENT SUCTION TOOL

One included with every six fixtures designated Wet location.

- F4-TOOL-SUCTION** Allows for removal of baffle with Wet location

## 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

**NOTE: SHUNT REQUIRED FOR USE WITH ATHENA AND CASAMBI CONTROLS, CONSULT FACTORY FOR DETAILS.**

# FRACTION3 SLIM SHALLOW REGRESS

 PERFORMANCE - 3000K

LUMEN PACKAGE	WATT-AGE	10° OPTIC FIELD REDUCER KIT		15° OPTIC SOFT FOCUS LENS		20° OPTIC SOFT FOCUS LENS		25° OPTIC SOFT FOCUS LENS		40° OPTIC SOFT FOCUS LENS		60° OPTIC SOFT FOCUS LENS		85° OPTIC WIDE DISTRIBUTION		WW OPTIC WALLWASH LENS	
		DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW
80S06A	06	-	-	740	110	795	123	779	120	678	113	727	121	640	92	634	106
80S11A	11	-	-	1190	97	1279	108	1254	106	1090	99	1169	106	954	80	1020	93
80S15A / C	15	633	42	1608	96	1729	107	1694	105	1474	98	1580	105	1289	80	1378	92
80S21A	21	-	-	2290	97	2435	107	2386	105	2075	99	2226	106	1740	77	1861	89
80S30A	30	-	-	2624	87	2882	96	2824	94	2652	88	2844	95	2148	72	2481	83
90S06A	06	-	-	635	95	683	105	669	103	582	97	624	104	509	79	545	91
90S11A	11	-	-	1022	83	1099	93	1077	91	937	85	1005	91	820	69	876	80
90S15A / C	15	544	36	1381	82	1485	92	1455	90	1266	84	1358	91	1107	68	1184	79
90S21A	21	-	-	1938	82	2092	92	2050	90	1783	85	1912	91	1495	66	1598	76
90S30A	30	-	-	2220	74	2475	83	2426	81	2279	76	2444	81	1846	62	2131	71
97S06A	06	-	-	558	83	600	93	588	91	511	85	548	91	447	69	478	80
97S11A	11	-	-	898	73	965	81	946	80	822	75	882	75	720	61	769	70
97S15A / C	15	469	31	1213	72	1304	80	1278	79	1111	74	1192	79	972	60	1040	69
97S21A	21	-	-	1701	72	1837	81	1800	79	1565	75	1679	80	1313	58	1403	67
90W11A (26K-18K)	11	-	-	-	-	757	69	707	64	688	63	698	63	530	48	592	54
90W11A (29K-18K)	11	-	-	-	-	772	70	721	66	702	64	712	65	541	49	600	55
90W15A (27K-18K)	15	-	-	-	-	1046	70	988	66	960	64	981	65	746	50	841	56
90W15A (30K-18K)	15	-	-	-	-	1071	71	1020	68	993	66	1030	69	783	52	852	57
90T17A (50K-27K)	17	-	-	1082	62	1231	69	1217	68	1241	63	1249	68	1005	51	1009	59
90T17A (40K-18K)	17	-	-	1086	62	1235	69	1221	68	1245	64	1254	68	1008	52	1012	60



JA8-2022 INDICATED BY SHADING

MAX UNIFIED GLARE RATING

10° OPTIC FIELD REDUCER KIT	15° OPTIC SOFT FOCUS LENS	20° OPTIC SOFT FOCUS LENS	25° OPTIC SOFT FOCUS LENS	40° OPTIC SOFT FOCUS LENS	60° OPTIC SOFT FOCUS LENS	85° OPTIC WIDE DISTRIBUTION	WW OPTIC WALLWASH LENS
<10	>19	<13	<13	<16	>19	>19	>19

\*UGR VALUES REFLECT WHITE BAFFLE AND 30 WATTS, LOWER UGR VALUES AVAILABLE WITH DIFFERENT FINISHES AND LOWER WATTAGES.

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

MEDIA LIGHT LOSS FACTOR

MEDIA	LIGHT LOSS FACTOR
NO LENS	1.06
CGL	1.00
SFL	1.00
FGL	0.89
FSFL	0.81
FLSL	0.82

# FRACTION3 SLIM SHALLOW REGRESS

## WARM DIM PERFORMANCE - 20° OPTIC - SOFT FOCUS LENS

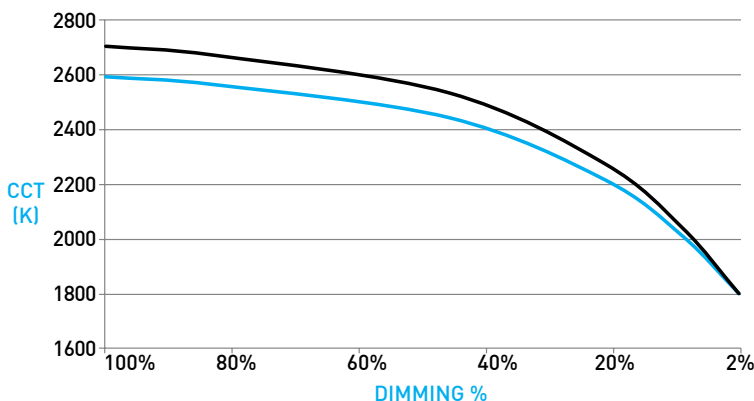
INCANDESCENT PROFILE

90W10AL 2600K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2600	2550	2520	2450	2200	1925	1800
Light Output (Lm)	757	605	529	378	151	75	15
Power (W)	10	8	7	5	2	1	.2
Efficacy (LPW)	69	69	69	69	69	69	69
90W15AL 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)	1046	836	732	523	209	104	20
Power (W)	15	12	10.5	7.5	3	1.5	0.3
Efficacy (LPW)	70	70	70	70	70	70	70

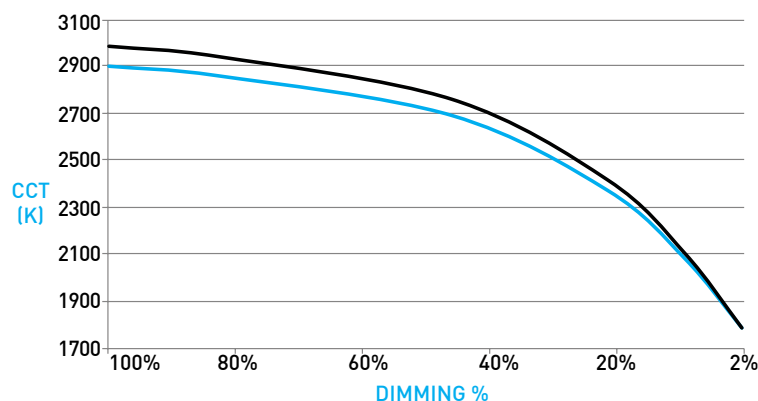
HALOGEN PROFILE

90W10AD 2900K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2900	2850	2800	2720	2350	1975	1800
Light Output (Lm)	772	617	540	386	154	77	15
Power (W)	10	8	7	5	2	1	.2
Efficacy (LPW)	70	70	70	70	70	70	70
90W15AD 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)	1071	856	749	535	214	107	21
Power (W)	15	12	10.5	7.5	3	1.5	0.3
Efficacy (LPW)	71	71	71	71	71	71	71

10W / 15W



10W / 15W



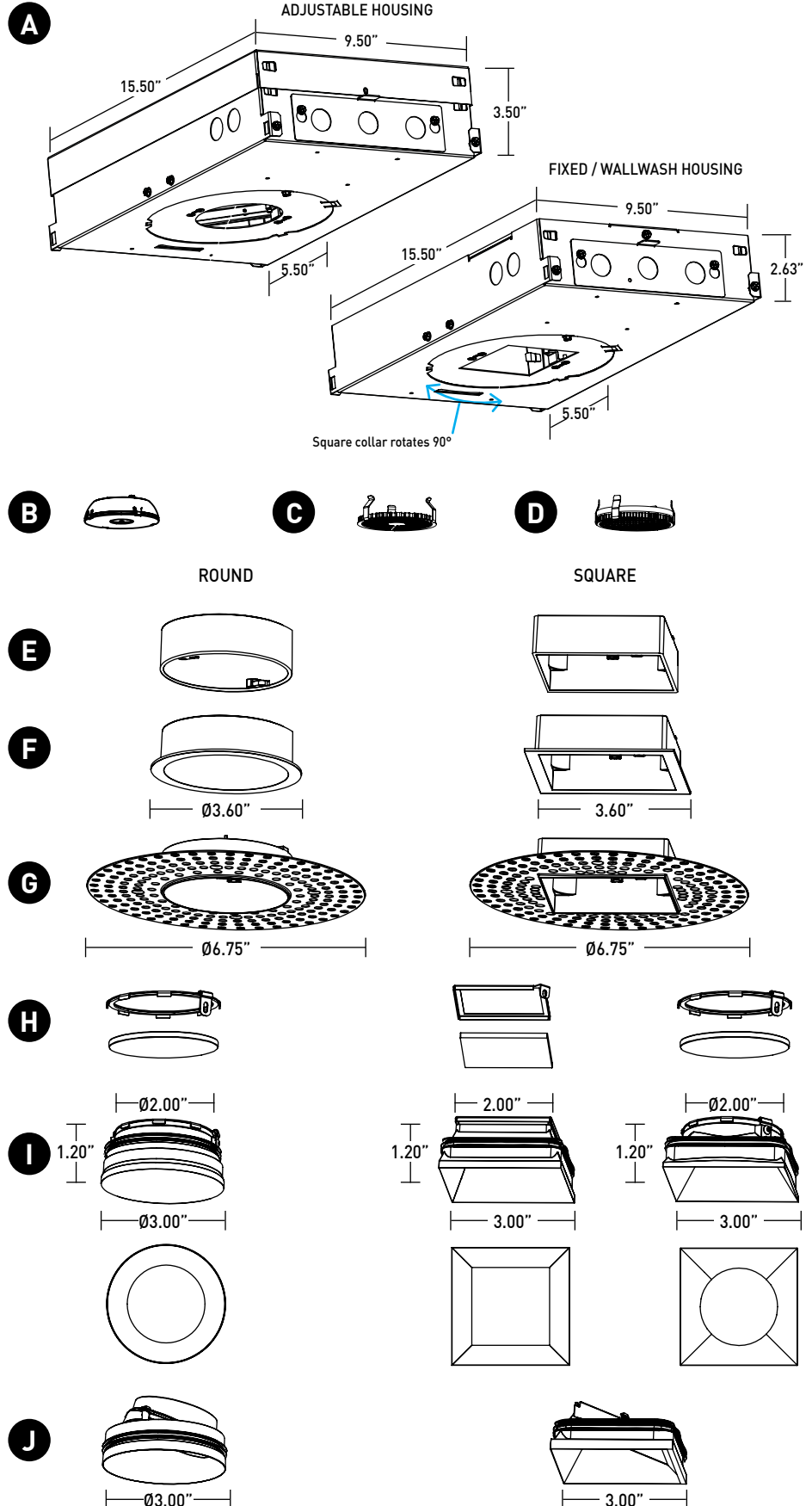
**NOTE: LIN-TO-LIN 0-10V PAIRING NOT COMPATIBLE WITH WARM DIM.**

# FRACTION3 SLIM SHALLOW REGRESS

## FIXTURE

- A FIXTURE**  
Integral LED module design enables field service / replacement through housing aperture.
- B OPTIC**  
Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering wallwash, 10°, 15°, 20°, 25°, 40° & 60° beams.
- C 10° FIELD REDUCER**  
Provided with 10° optic. Pairs Soft Focus Lens, Field Reducer, and Honeycomb Louver to deliver tight 10° beam while reducing field angle by 30%.
- D ADJUSTABLE HCL ASSEMBLY**  
Honeycomb Louver and Soft Focus Lens attach directly to optic with clip-on lens retainer and adjusts with fixture. Only compatible with no lens baffle. Dry/Damp locations only. Specified as "HS" Effects Device
- E TRIM EXTENSION**  
Provided for -2 ceiling thickness; accommodates 2.125" max ceiling thickness.
- F MICROFLANGE PROFILE**  
Provides industry standard 0.43" total contractor (goof) allowance with 0.27" flange. Thickness measures 1/16". IP64 Wet location features integral silicone gasket.
- G TRIMLESS GYPSUM PROFILE**  
Installs totally flush with the ceiling with no visible trim. Features integrated appliqué for plaster floating directly to the baffle. Not recommended for stucco applications.
- H EFFECTS DEVICES / LENS RETAINER**  
Fixture is limited to 1 effects device installed on the baffle, see Section D for Adjustable HCL assembly. Wet location effects device is sealed in place on baffle, suction tool provided for removal of baffle. Lens retainer allows effects devices to be changed in Dry /Damp locations.
- I ROUND / SQUARE BAFFLE**  
Die-cast removable baffle provides easy access to adjustment mechanisms for tilt and rotation. Features 64° glare cutoff, minimizing aperture glare and concealing view into housing. Includes gasket, mitigating light leak.
- SQUARE TRANSITIONAL BAFFLE**  
Transitions from square aperture at ceiling to round aperture at light source. Die-cast removable baffle provides easy access to adjustment mechanisms for tilt and rotation. Features 64° glare cutoff, minimizing aperture glare and concealing view into housing. Includes gasket, mitigating light leak.
- J WALLWASH BAFFLE / MEDIA**  
Die-cast baffle with angled wide aperture for enhanced uniformity. Features asymmetrical spread lens, sealed in place, combined with auxiliary reflector for optimum performance. Includes gasket, mitigating light leak, and Suction Tool to accommodate baffle removal.

## DIMENSIONS / DRAWINGS



# FRAXION3 SLIM SHALLOW REGRESS

## FIXTURE

- K IC HOUSING**
  - For IC ceilings.
  - No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top of housing.
- L NIC HOUSING**
  - 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.
- M ADJUSTABLE HANGER BAR HEIGHT ACCESSORY**  
 Provided with ceiling thickness "T" and recommended for installations in T-Grid up to 1.5" tall. Hanger bars are installed to adjustable bracket. Allows housing to be raised and lowered; ceiling thickness remains 0.5" to 2.125" max.
- N ADJUSTABILITY**  
 Aiming mechanism is integral to the housing, providing hot-aim tilt up to 40° with Philips screwdriver and 365° rotation with toolless locking tab. Sliding pivot point optimizes center beam, ensuring unclipped beam of 15° at 40° tilt and 25° at 30° tilt. Infinite tilt increments with 1° indicators, tilt guide included.
- O TRIMLESS MILLWORK PROFILE / SPACERS**  
 No visible flange, installs totally flush with millwork. Includes (1) 1/16" spacer and (5) 1/8" spacers.
- P APPLIQUÉ DETAIL**  
 Appliqué for plaster floating directly to baffle. Provided with 1/16" plaster stop.
- Q REMOTE POWER SUPPLY**  
 Provided with install Types "IR", "NR", "AR", and "CR". Remote power supply provides additional driver options. See page 7 for maximum allowable secondary run lengths between remote driver and fixture. Must be installed in an accessible location.

### REMOTE eldoLED TUNABLE WHITE DRIVERS

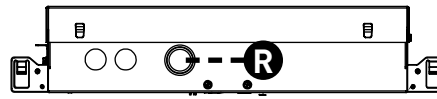
TUNABLE WHITE REMOTE (120-277V)	
DG1	eldoLED, DUALdrive 0.1% 0-10V, LOG
DN1	eldoLED, DUALdrive 0.1% 0-10V, LIN
DD2	eldoLED, DUALdrive 0.1% DALI-2, LOG
AD1/ADR	Athena Control eldoLED, DUALdrive, 0.1%*
* [Includes Athena Node. Extended lead time, consult factory. ADR includes EM Shunt]	
CD1/CDR	Casambi Control eldoLED, DUALdrive, 0.1%*
* [Includes Casambi Node. Extended lead time, consult factory. CDR includes EM Shunt]	

- R ATHENA / CASAMBI CONTROL**  
 Controls integrated into housing or remote driver assembly. All equipment is serviceable.
- S ATHENA / CASAMBI EM SHUNT**  
 Included with drivers specified as ASR, ADR, CSR, or CDR. One required for each wireless EM fixture, requires class 2 control wiring between fixture and shunt. Features integrated test switch.

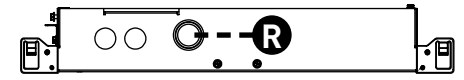
Model Number: PS-RMT-SHUNT

**K / L**

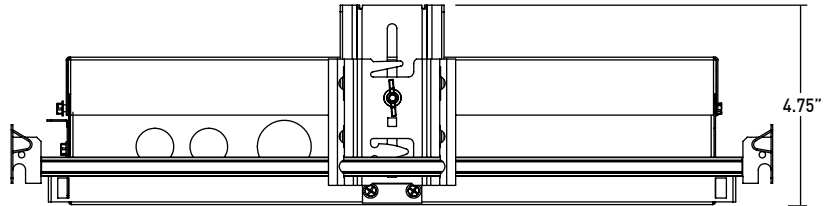
ADJUSTABLE HOUSING



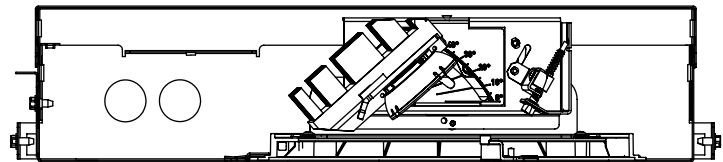
FIXED / WALLWASH HOUSING



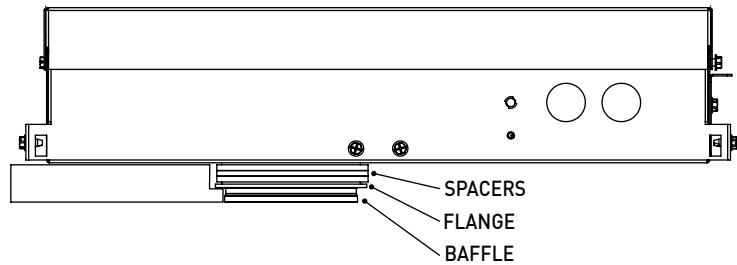
**M**



**N**

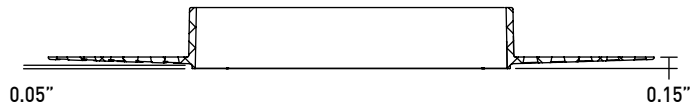


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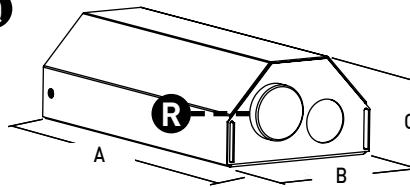


**P**

SECTION VIEW

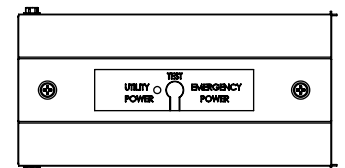
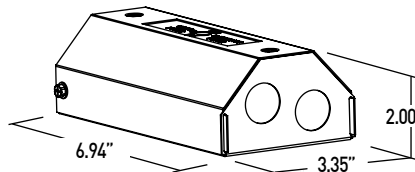


**Q**



	A	B	C
STATIC WHITE / WARM DIM	6.94"	3.35"	2.00"
TUNABLE WHITE	8.10"	5.00"	2.00"
ATHENA / CASAMBI CONTROLLED	8.10"	5.00"	2.00"

**S**



# FRAXION3 SLIM SHALLOW REGRESS

## TECHNICAL

### CONSTRUCTION

**Downlight:** Painted finishes are granulated powder coat.

**Housing:** Aluminum and 22 Gauge galvanized steel. Die-cast aluminum heat-sink.

**Remote Power Supply:** 22 Gauge galvanized steel.

**Appliqué:** 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

	PHASE	0-10V								ECO	DALI-2			ATHENA			CASAMBI		
Power Supply	PH1	SG3	SN3	EG1	EN1	DG1	DN1	MG1	MN1	LP1	ED1	DD2	MD2	AS1	AD1	AM1	CS1	CD1	CM1
Minimum °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	-40 °C	-40 °C	0 °C	-20 °C	-20 °C	-40 °C	0 °C	0 °C	-40 °C	-20 °C	-20 °C	-40 °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	40 °C	40 °C	40 °C
Dimming %	2.0%	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%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: For PH1, LP1, EG1 and EN1 drivers consult chart on page 8 to confirm appropriate dimming curve for compatibility with selected control.

### MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

DRIVER	WIRE AWG				
	12	14	16	18	20
PH1	285'	180'	113'	71'	45'
LP1	60'	40'	25'	15'	-
EG1, EN1, ED1, DG1, DN1, DD2, AS1, AD1, CS1, CD1	-	-	118'	72'	46'

### WALLWASH SPACING

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

### LISTING

UL listed to UL1598 standard for Dry / Damp and Wet locations. CCEA, Airtight, and Title 24 JA8-2022 Listed. NEMA 410 Compliant.

### BUY AMERICAN ACT

All Fraxion3 Slim configurations are Buy American Act compliant.

### DECLARE

LBC Red List Approved.

### WEIGHT

Fixture - 7.2 lbs max

Remote Driver - 1.4 lbs

## HOUSING NOTES

- Do not install housings 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 or long side when TG accessory is specified; 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" max to the overall dimension, but are exclusive of the setback requirements.
- Housings for round trims feature a round aperture housing collar. Housings for square trims feature a square housing collar that rotates up to 90 degrees for fixture alignment. Housing collars accommodate ceiling thicknesses between 0.50" and 2.125".

## 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.](#)

# FRACTION3 SLIM SHALLOW REGRESS

## DIMMING COMPATIBILITY

### PHILIPS DRIVER COMPATIBILITY

Power supply PH1 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

### LUTRON DRIVER COMPATIBILITY

Power supply LP1 Lutron Product Family	Part No.
PowPak Dimming Modules	RMJ-EC032-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 EG1 / SG3 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-A08
Crestron®	DIN-4DIMFLV4
Crestron®	CLS-EXP-DIMFLV
Crestron®	CLCI-1DIMFLV2EX
Power supply EN1 / SN3 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

## ANALOG DRIVERS AND DIMMERS

