FRAXION®4
DEEP REGRESS
FIXED

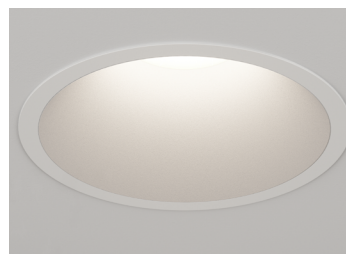| PROJECT NAME:	TYPE:

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.

🟢 **JA8-2022 INDICATED BY SHADING**

SHAPE	TRIM	RATING	FLANGE FINISH	BAFFLE FINISH	CRI / WATTAGE PACKAGE	CCT	OPTIC (UGR)	INSTALL TYPE	CEILING THICKNESS	DRIVER	MEDIA
F4R Round	**FFD** Standard Flange **MFD** Microflange **TFD** Trimless	**1** IP20 Dry/Damp **2** IP64 Wet* *(Suction cup provided for Aim & Focus)	**WH** White **AG** Satin Silver **AU** Cashmere Gold **BB** Burnt Bronze **BK** Black **PR** Primer **00** Trimless* *(Required for trimless) **CF** Custom Finish* *(Consult Factory)	**WH** White **AG** Satin Silver **AU** Cashmere Gold **BB** Burnt Bronze **BK** Black **PR** Primer **CF** Custom Finish* *(Consult Factory)	**STATIC WHITE** **80S11A** 80+ CRI, 11W, Lumens Dlvd. - 1105 **80S15A** 80+ CRI, 15W, Lumens Dlvd. - 1479 **80S21A** 80+ CRI, 21W, Lumens Dlvd. - 2032 **80S30B** 80+ CRI, 30W, Lumens Dlvd. - 2607* *(Not available for IC housing applications) **90S11A** 90+ CRI, 11W, Lumens Dlvd. - 949 **90S15A** 90+ CRI, 15W, Lumens Dlvd. - 1271 **90S21A** 90+ CRI, 21W, Lumens Dlvd. - 1746 **90S30B** 90+ CRI, 30W, Lumens Dlvd. - 2240* *(Not available for IC housing applications) **97S11A** 97+ CRI, 11W, Lumens Dlvd. - 833 **97S15A** 97+ CRI, 15W, Lumens Dlvd. - 1116 **97S21A** 97+ CRI, 21W, Lumens Dlvd. - 1533 **97S30B** 97+ CRI, 30W, Lumens Dlvd. - 1967* *(Not available for IC housing applications)	**24** 2400K* *(90+ CRI only. Not available for 30W packages) **27** 2700K **30** 3000K **35** 3500K **40** 4000K	**10** 10°* [<13] *(15W package only) **15** 15° [<16] **20** 20° [<13] **25** 25° [<13] **40** 40° [<16] **60** 60° [<13] **85** 85°* [>19] *(Requires -14 WDL effects device)	**HOUSING INTEGRAL DRIVER** **IC** IC ⚡ **NC** NIC ⚡ **AT** IC, Airtight* ⚡ *(CCEA, Airtight & Title 24 compliant housing) **HOUSING REMOTE DRIVER** **IR** IC, Remote ⚡ **NR** NIC, Remote ⚡ **AR** IC, Airtight, Remote* ⚡ *(CCEA, Airtight & Title 24 compliant housing) **REMODEL** **RM** Remodel **RR** Remote, Remodel	**2** 0.125" - 2.50* *(Housing) 0.25" - 2.50"* *(Remodel) 0.50" - 2.50"* *(All Trimless) **T** 0.125" - 2.50"* *(Includes adjustable housing height bracket)	**DOMESTIC (120V)** **TR2** Philips, 2% Leading/ Trailing/Triac* *(Not available for 30W packages) **L23** Lutron, Hi-Lume 1% 2-Wire **UNIVERSAL (120-277V)** **LH1** Lutron, Hi-Lume 1% Ecosystem **AN4** Philips Xitanium 1% 0-10V, LOG **LN2** Philips Xitanium 1% 0-10V, LIN **EA2** eldoLED, SOLOdrive 0.1% 0-10V, LOG **LA2** eldoLED, SOLOdrive 0.1% 0-10V, LIN **ED1** eldoLED, SOLOdrive 0.1% DALI-2, LOG **AS1 / ASR** Athena Control eldoLED, SOLOdrive 0.1%* *(Includes Athena Node. Extended lead time, consult factory. ASR includes shunt) **CS1 / CSR** Casambi Control eldoLED, SOLOdrive 0.1%* *(Includes Casambi Node. Extended lead time, consult factory. CSR includes shunt)	**STANDARD MEDIA** **04** Soft Focus Lens **NL** No Lens * *(Standard with 10° optic. Not available for Wet Location, Warm Dim, or Airtight Housings) **ALTERNATE MEDIA** **02** Honeycomb Louver* *(Not available for Wet location, Warm Dim, or Airtight Housings) **03** Clear Glass Lens* *(Not available for Warm Dim) **05** Frosted Glass Lens* **08** Frosted Soft Focus Lens **14** Wide Distribution Lens* *(Required and only available for 85° beam spread) **26** Frosted Linear Spread Lens
F4S Square	**FFD** Standard Flange Transitional Baffle **MFD** Microflange Transitional Baffle **TFD** Trimless Transitional Baffle				**WARM DIM** **90W15A** 90+ CRI, 15W Incandescent Profile: 2700K - 1800K Lumens Dlvd. - 924 Halogen Profile: 3000K - 1800K Lumens Dlvd. - 936 *SEE PAGE 3 FOR DETAILED WARM DIM PROFILE COMPARISON.	**WL** 2700K - 1800K **WD** 3000K - 1800K	**20** 20° [<10] **25** 25° [<10] **40** 40° [<10] **60** 60° [<10] **85** 85°* [>19] *(Requires -14 WDL effects device)				
					TUNABLE WHITE **90T13B** 90+ CRI, 13W* *(Not available for Remodel applications) Cool Profile: 5000K - 2700K Lumens Dlvd. - 982 Warm Profile: 4000K - 1800K Lumens Dlvd. - 991 **90T22B** 90+ CRI, 22W* *(Not available for Remodel applications) Cool Profile: 5000K - 2700K Lumens Dlvd. - 1559 Warm Profile: 4000K - 1800K Lumens Dlvd. - 1573	**TH** 5000K - 2700K **TR** 4000K - 1800K	**15** 15° [<16] **20** 20° [<10] **25** 25° [<13] **40** 40° [<13] **60** 60° [<13] **85** 85°* [>19] *(Requires -14 WDL effects device)	**IC HOUSING:** 6.5" TALL **NIC HOUSING:** 4.5" TALL		**TUNABLE WHITE POWER SUPPLIES (120-277V)** **DD1** eldoLED, DUALdrive 0.1% DALI-2, LOG **DG1** eldoLED, DUALdrive 0.1% 0-10V, LOG **DL1** eldoLED, DUALdrive 0.1% 0-10V, LIN **AD1 / ADR** Athena Control eldoLED, DUALdrive 0.1%* *(Includes Athena Node. Extended lead time, consult factory. ADR includes shunt) **CD1 / CDR** Casambi Control eldoLED, DUALdrive 0.1%* *(Includes Casambi Node. Extended lead time, consult factory. CDR includes shunt)	
					ALL DELIVERED LUMEN OUTPUTS AND T24 COMPLIANCE REFLECT 3000K PAIRED WITH 20° OPTIC AND SOFT FOCUS LENS.		SEE PAGE 3 FOR UGR RATINGS				

(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., F4RFFD1-WHWH-90S15A2-3I2-AN4
- Housing ships as e.g., ICT-F4R-01
- Driver ships with trim

Red List Approved

Declare.

FRAXION4 DEEP REGRESS FIXED

ACCESSORIES

ALTERNATE MEDIA
Dry/Damp location only.
Wet location requires alternate baffle.

☐ **HCL-F4R-2**   Honeycomb Louver w/ Diffusion Film*
  *(Not available for Warm Dim, or Airtight housings)
☐ **CGL-F4R-2**   Clear Glass Lens*
  *(Not available for Warm Dim)
☐ **FGL-F4R-2**   Frosted Glass Lens
☐ **SFL-F4R-2**   Soft Focus Lens
☐ **FSFL-F4R-2**   Frosted Soft Focus Lens
☐ **WDL-F4R-2**   Wide Distribution Lens*
  *(Required and only available for 85° beam spread)
☐ **FLSL-F4R-2**   Frosted Linear Spread Lens

REPLACEMENT BAFFLE ASSEMBLY (INCLUDES MEDIA)

ASSEMBLY		SHAPE	TRIM	RATING		FLANGE FINISH	1		MEDIA
RBA	-				-		-1-		
REPLACEMENT BAFFLE ASSEMBLY		F4R Round	FFD Standard Flange MFD Microflange TFD Trimless	1 Dry / Damp 2 Wet* *(Requires provided suction cup to service or aim & focus)		WH White BK Black PR Primer AU Cashmere Gold AG Satin Silver BB Burnt Bronze CF Custom Finish* *(Consult Factory)			Leave blank for standard Soft Focus Lens HCL Honeycomb Louver w/ Diffusion Film* *(Not available for Wet Location, Warm Dim, or Airtight Housings) CGL Clear Glass Lens* *(Not available for Warm Dim) FGL Frosted Glass Lens FSFL Frosted Soft Focus Lens WDL Wide Distribution Lens* *(Required and only available for 85°beam spread) FLSL Frosted Linear Spread Lens
		F4S Square	FFD Standard Flange Transitional Baffle MFD Microflange Transitional Baffle TFD Trimless Transitional Baffle						

REPLACEMENT OPTICS
Interchangeable optics accessible through fixture aperture.

STATIC WHITE	WARM DIM	TUNABLE WHITE
☐ **RO-50-15-S** 15° optic	☐ **RO-50-20-W2** 20° optic	☐ **RO-50-15-T** 15° optic
☐ **RO-50-20-S** 20° optic	☐ **RO-50-25-W2** 25° optic	☐ **RO-50-20-T** 20° optic
☐ **RO-50-25-S** 25° optic	☐ **RO-50-40-W2** 40° optic	☐ **RO-50-25-T** 25° optic
☐ **RO-50-40-S** 40° optic	☐ **RO-50-60-W2** 60° optic	☐ **RO-50-40-T** 40° optic
☐ **RO-50-60-S** 60° optic		☐ **RO-50-60-T** 60° optic

REPLACEMENT SUCTION TOOL
One included with every six fixtures designated Wet location.

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

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" - 2.50".

☐ **DHA-TG-KIT**

FURRING CHANNEL ACCESSORY KIT
Recommended for installations in furring channel. Available for ceiling thicknesses from 0.125" - 2.50".

☐ **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

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

LUCIFER®
LIGHTING COMPANY
[DATE OF REV: 02082024]

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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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FRAXION4 DEEP REGRESS FIXED

PERFORMANCE - 3000K

LUMEN PACKAGE	WATTS	10° OPTIC NO LENS		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	
		DLVD.	LPW	DLVD.	LPW	DLVD.	LPW	DLVD.	LPW	DLVD.	LPW	DLVD.	LPW	DLVD.	LPW
80S11A	11	-	-	899	82	1105	100	1063	97	942	86	1022	93	853	78
80S15A	15	1079	98	1226	82	1479	99	1429	95	1273	85	1376	92	1133	76
80S21A	21	-	-	1664	79	2032	97	1897	90	1731	82	1860	89	1545	74
80S30B	30	-	-	2217	74	2607	87	2474	82	2204	73	2408	80	1984	66
90S11A	11	-	-	772	70	949	86	913	83	809	74	878	80	733	67
90S15A	15	930	85	1053	70	1271	85	1228	82	1094	73	1182	79	973	65
90S21A	21	-	-	1429	68	1746	83	1629	78	1487	71	1598	76	1328	63
90S30B	30	-	-	1905	64	2240	75	2125	71	1893	63	2069	69	1704	57
97S11A	11	-	-	678	62	833	76	802	73	711	65	771	70	643	58
97S15A	15	802	73	925	62	1116	74	1078	72	961	64	1038	69	854	57
97S21A	21	-	-	1255	60	1533	73	1431	68	1306	62	1403	67	1166	56
97S30B	30	-	-	1673	56	1967	66	1866	62	1662	55	1817	61	1496	50
90W15A (WL 27K-18K)	15	-	-	-	-	924	62	881	59	795	53	860	57	702	47
90W15A (WD 30K-18K)	15	-	-	-	-	936	62	897	60	803	54	867	58	730	49
90T13B (40K-18K)	13	-	-	814	63	991	76	957	74	849	65	921	71	731	56
90T13B (50K-27K)	13	-	-	806	62	982	76	948	73	841	65	913	70	724	56
90T22B (40K-18K)	22	-	-	1258	57	1573	72	1499	68	1346	61	1464	67	1167	53
90T22B (50K-27K)	22	-	-	1247	57	1559	71	1485	68	1334	61	1450	66	1157	53

OUTPUT MULTIPLIER

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

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
HCL	0.73

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

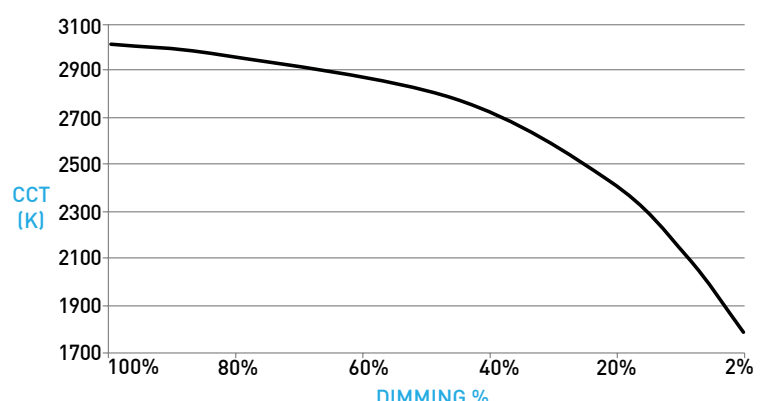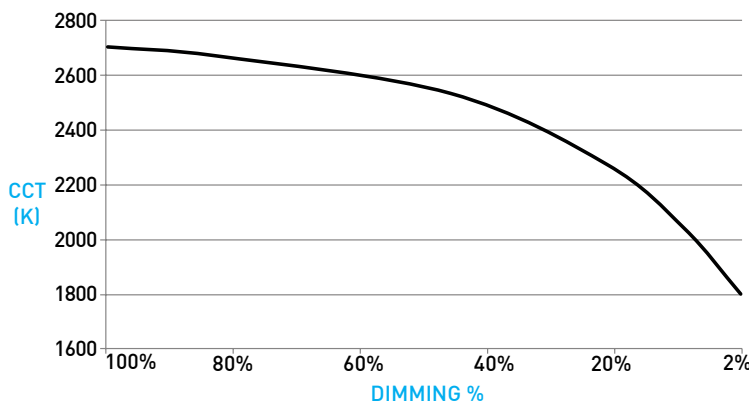| 10° OPTIC NO LENS	15° OPTIC SOFT FOCUS LENS	20° OPTIC SOFT FOCUS LENS	25° OPTIC SOFT FOCUS LENS	40° OPTIC SOFT FOCUS LENS	60° OPTIC SOFT FOCUS LENS	85° OPTIC WIDE DISTRIBUTION
<13	<16	<13	<13	<16	<13	>19

WARM DIM PERFORMANCE - 20° OPTIC - SOFT FOCUS LENS

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)	924	739	646	462	184	92	18
Power (W)	15	12	10.5	7.5	3	1.5	.3
Efficacy (LPW)	62	62	62	62	62	62	62

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)	936	748	655	468	187	93	18
Power (W)	15	12	10.5	7.5	3	1.5	.3
Efficacy (LPW)	62	62	62	62	62	62	62

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FRAXION4 DEEP REGRESS FIXED

DOWNLIGHT

(A) BAFFLE

ROUND
Die-cast deep baffle features 60° glare cutoff. Minimizes aperture glare and conceals view into housing; includes silicone gasket.

TRANSITIONAL
Die-cast deep baffle transitions from square aperture at ceiling plane to round aperture at light source and features 60° glare cutoff. 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 2.50". 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

F4RFFD

2.20" Taller heat sink used for IC fixtures
4.75"
0.06"
Ø4.25"
Ø5.30"

F4SFFD

4.25" Sq.
5.30" Sq.

F4RMFD

2.20" Taller heat sink used for IC fixtures
4.75"
0.06"
Ø4.25"
Ø4.80"

F4SMFD

4.25" Sq.
4.80" Sq.

F4RTFD

2.20" Taller heat sink used for IC fixtures
4.80"
Ø4.25"
Ø8.00"

F4STFD

4.25" Sq.
Ø8.00"

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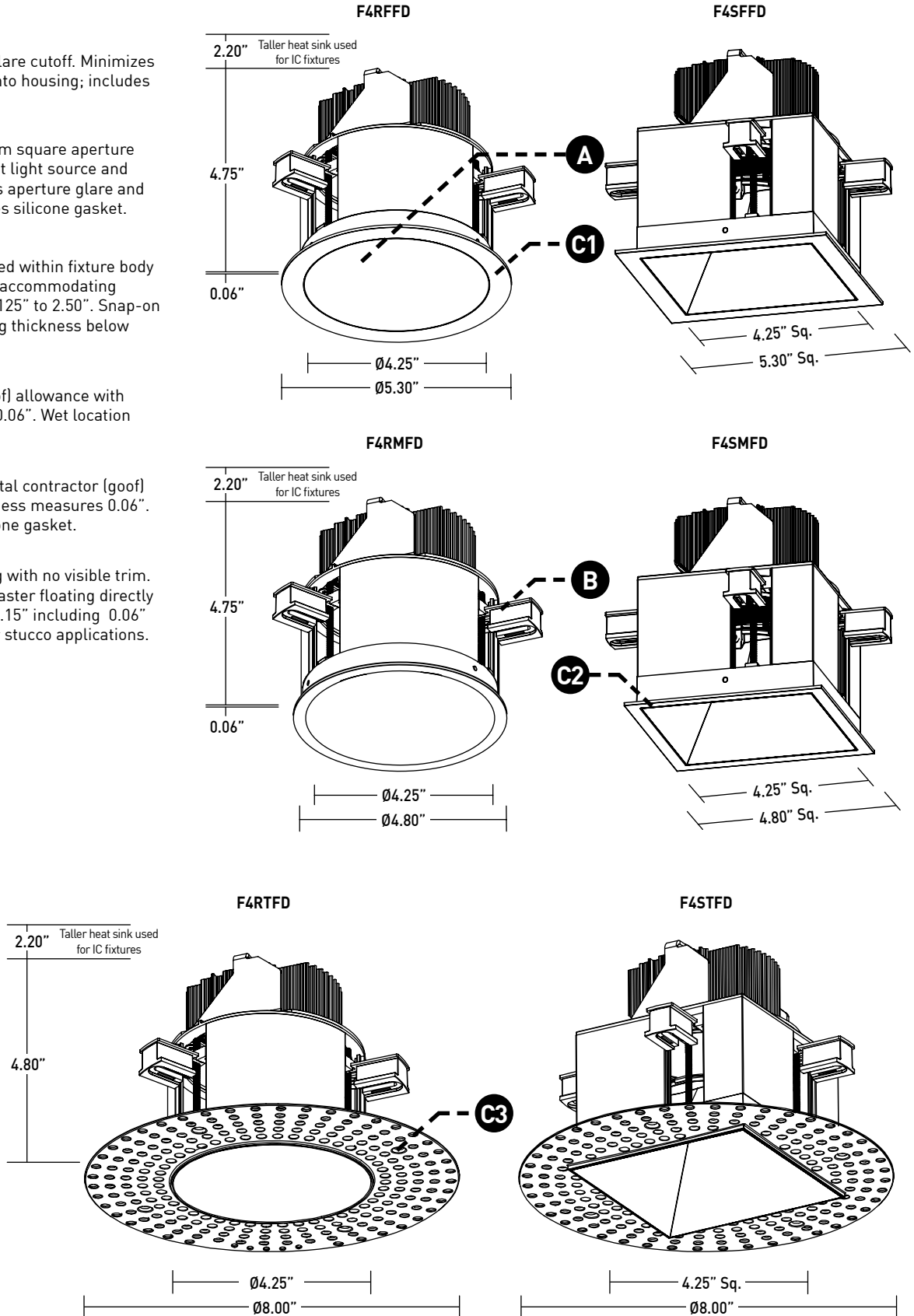
FRAXION4 DEEP REGRESS FIXED

DOWNLIGHT / HOUSING

D OPTIC
Robust light engine with optimized optic pairing integrates Reflection, Refraction and TIR offering 10°, 15°, 20°, 25°, 40° & 60° beams.

E EFFECTS DEVICES
Soft focus lens included and sealed in Wet location option. Fixture is limited to 1 lens. Suction tool provided for removal of Wet location baffles.
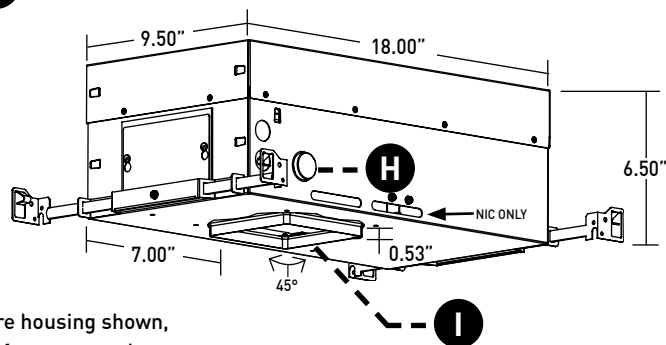
HOUSING / MOUNTING

F ICT (IC) HOUSING - TALL
- For IC ceilings.
- CCEA, Airtight and Title 24 (JA8) listed.
- Accommodates max 2032 delivered lumens.
- No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top of housing.

G NCT (NIC) HOUSING - TALL
- 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 2.50" max.
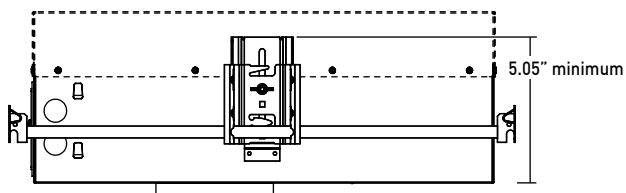
HOUSING / MOUNTING NOTES

- 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

F / **G**

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

J

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REMOTE POWER SUPPLY

Ⓚ 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).

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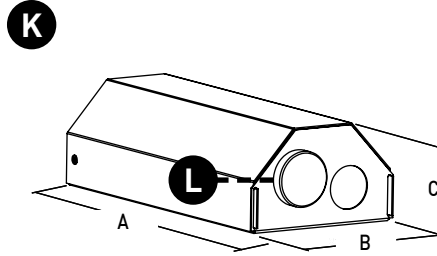Controls integrated into remote driver assembly. All equipment is serviceable.

Athena Model Numbers: A-WN-D01-RF-BL & DFC-OEM-DBI

Casambi Model Number: BT-S1E1-5400

Ⓜ 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.
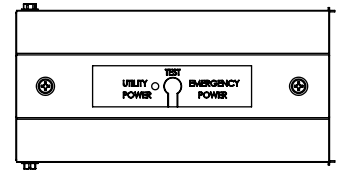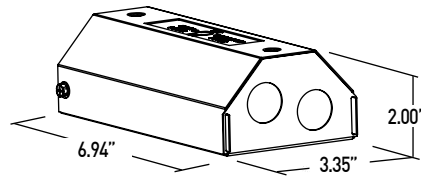
Model Number: PS-RMT-SHUNT
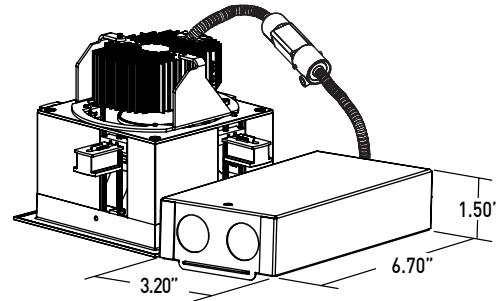
REMODEL POWER SUPPLY

Ⓝ 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

Ⓝ

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[DATE OF REV: 02082024]

FRAXION4 DEEP REGRESS FIXED

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 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
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'

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.

[DATE OF REV: 02082024]

FRAXION4 DEEP REGRESS FIXED

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

LUTRON 2016 OEM ADVANTAGE ACCOUNT

ANALOG DRIVERS AND DIMMERS

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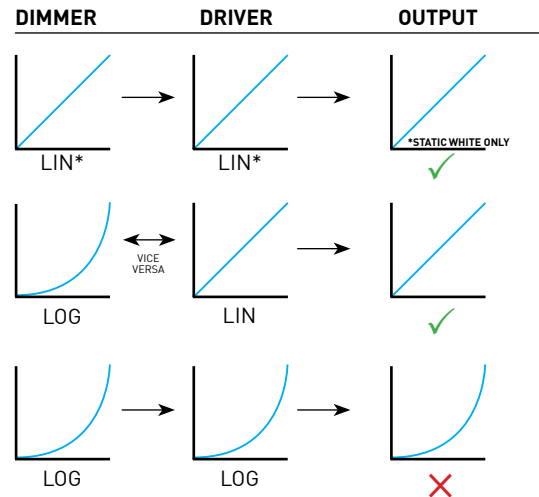
LIN = LINEAR
LOG = LOGARITHMIC
*LIN-TO-LIN NOT COMPATIBLE FOR WARM-DIM OR TUNABLE WHITE

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