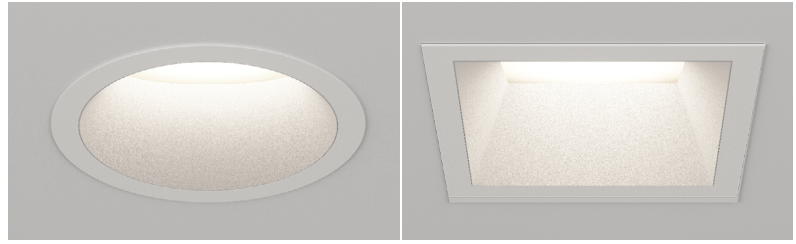


FRAXION®3 SLIM LVS

WALLWASH

Lots of light in an under-the-radar profile, with multiple design and installation options, ideal for corporate offices and retail settings.

PROJECT NAME:	TYPE:
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ORDERING INFORMATION - DOWNLIGHT / HOUSING

SHAPE	TRIM	RATING	TYPE	FLANGE FINISH	BAFFLE FINISH	CRI / WATTAGE PACKAGE	CCT	OPTIC	INSTALL TYPE	CEILING THICKNESS	POWER SUPPLY
			W					WW			LVS
F3R Round	M Microflange	1 Dry/Damp	W Wallwash	WH White	WH White	STATIC WHITE	24 2400K*	WW Wallwash	REMOTE	1 0.50" - 1.375"	LVS Low Voltage System
F3S Square	T Trimless Drywall	2 Wet*		AG Satin Silver	AG Satin Silver	80S11A 80+ CRI, 11 Watts Dlvd. Lumens - 1012	27 2700K	V IC, Remote	2 1.375" - 2.125"		
	W Trimless Millwork	* (Requires provided suction cup to service or aim & focus)		AU Cashmere Gold	AU Cashmere Gold	80S15A 80+ CRI, 15 Watts Dlvd. Lumens - 1378	30 3000K	W NIC, Remote	T 0.50" - 1.375"	* (Includes adjustable housing height bracket)	
				BB Burnt Bronze	BB Burnt Bronze	80S21A 80+ CRI, 21 Watts Dlvd. Lumens - 1850	35 3500K	D IC, Airtight, Remote*			
				BK Black	BK Black	90S11A 90+ CRI, 11 Watts Dlvd. Lumens - 869	40 4000K	* (CCEA & Airtight compliant housing)			
				PR Primer	PR Primer	90S15A 90+ CRI, 15 Watts Dlvd. Lumens - 1184					
				OO Trimless*	CF Custom Finish*	90S21A 90+ CRI, 21 Watts Dlvd. Lumens - 1589					
				* (Required for trimless)	* (Consult Factory)	97S11A 97+ CRI, 11 Watts Dlvd. Lumens - 763					
				CF Custom Finish*		97S15A 97+ CRI, 15 Watts Dlvd. Lumens - 1040					
				* (Consult Factory)		97S21A 97+ CRI, 21 Watts Dlvd. Lumens - 1395					
						WARM DIM					
						90W15A 90+ CRI, 15 Watts Incandescent Profile Dlvd. Lumens - 828	WL 2700K - 1800K				
						Halogen Profile Dlvd. Lumens - 840	WD 3000K - 1800K				
						SEE PAGE 5 FOR DETAILED WARM DIM PROFILE COMPARISON.					
						ALL DELIVERED LUMEN OUTPUTS REFLECT 3000K.					



PART NUMBER NOTES




- Housing and trim ship as e.g., F3RM1W-WHWH-90S11A2-3V1-LVS

FRAXION3SLIM LVS WALLWASH

APPLICATION NOTES

- Lucifer Lighting will not supply a fixture with a POE node or power supply inside the fixture. This allows for easier site install with nodes of 2 or more outputs.
- Consult node manufacturer for maximum remote wiring distances.
- Housing and Fixture feature 18 Gauge wiring.
- Wiring connections are made in the splicing compartment or on the fixture using customer supplied connectors, ex. wire nuts, push-in connectors, or terminal blocks.
- Confirm node compatibility with factory if it is not listed.
- Customers are responsible for ensuring POE node drive current is set to correct values shown below.
- Customers must ensure voltage range of the proposed POE node encompasses the fixtures complete Vf range, both maximum and minimum. If assistance is required contact LLC rep or factory.

NODE COMPATIBILITY

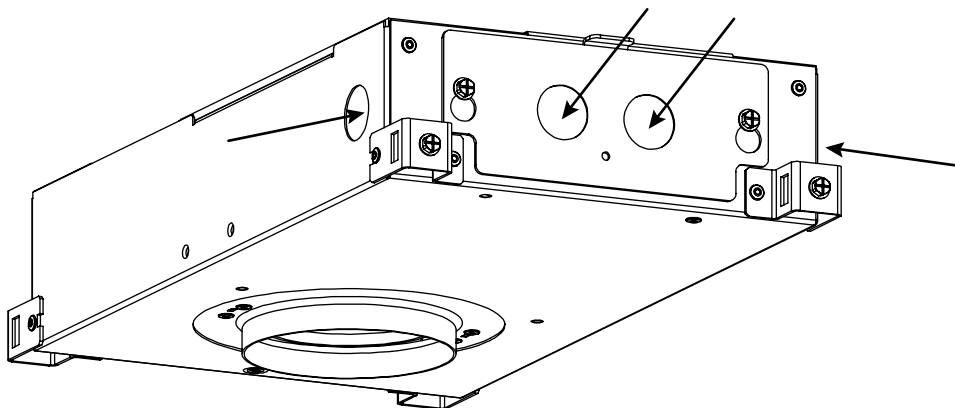
Manufacturer	Model Number
 Igor Enabling Smart Buildings™	NP50-60-C-F-5
 molex	180996-1001 180996-1002 180996-2001 180996-2002
 PLATFORMATICS	1 Channel Node, POE-LN2-1U-E 2 Channel Node, POE-LN2-2U-E 4 Channel Node, POE-LN2-4U-E

DRIVE CURRENT SPECIFICS

	80S			90S			97S			90W	
	11A	15A	21A	11A	15A	21A	11A	15A	21A	15AD	15AL
Minimum Vf	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
Maximum Vf	39	39	39	39	39	39	39	39	39	39	39
Current mA	250	350	500	250	350	500	250	350	500	350	350
Wattage W	8.2	11.8	17.4	8.2	11.8	17.4	8.2	11.8	17.4	11.8	11.8

WIRING DIAGRAM AND HOUSING ENTRY/ EXIT POINTS

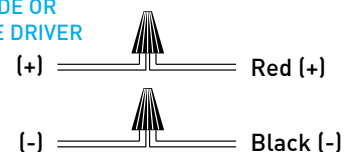
WALLWASH HOUSING



LV CONSTANT
CURRENT SOURCE:

POE NODE OR
REMOTE DRIVER

Class 2
Wiring



HOUSING

FRAXION3SLIM LVS WALLWASH

ACCESSORIES

ALTERNATE BAFFLE ASSEMBLY (INCLUDES EFFECTS DEVICE)

ASSEMBLY	SHAPE	RATING	TYPE	BAFFLE FINISH
RBA			W	
REPLACEMENT BAFFLE ASSEMBLY	F3R Round F3S Square	1 Dry / Damp 2 Wet* <small>*Requires suction cup to service or aim & focus)</small>	W Wallwash	WH White BK Black PR Primer AU Cashmere Gold AG Satin Silver BB Burnt Bronze CF Custom Finish * <small>*(Consult Factory)</small>

REPLACEMENT OPTIC

Interchangeable optics accessible through fixture aperture.

RO-50-WW-2 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".

TG-FX3-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

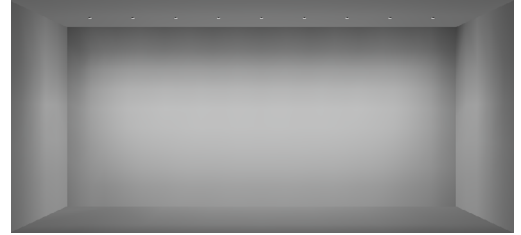
DLA-APP-F3RT Round

DLA-APP-F3ST Square

FRAXION3SLIM LVS WALLWASH

WALLWASH DESIGN GUIDE

ROUND



RECOMMENDED

30" SETBACK / 30" ON CENTER SPACING

- AVERAGE FC: 19.53
- MIN / MAX: 4.63
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 25FT WALL SHOWN

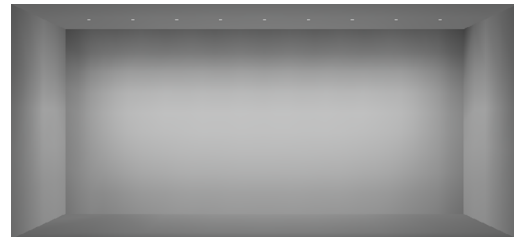
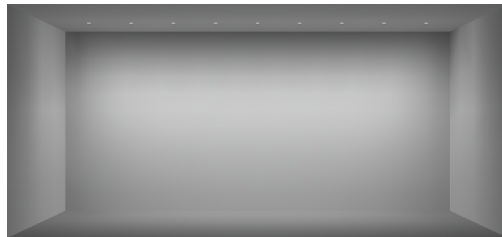
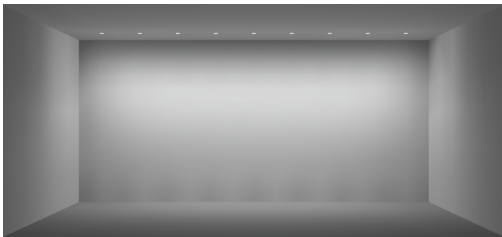
36" SETBACK / 36" ON CENTER SPACING

- AVERAGE FC: 14.96
- MIN / MAX: 4.79
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 30FT WALL SHOWN

42" SETBACK / 42" SPACING ON CENTER

- AVERAGE FC: 11.82
- MIN / MAX: 6.10
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 35FT WALL SHOWN

SQUARE



RECOMMENDED

30" SETBACK / 30" ON CENTER SPACING

- AVERAGE FC: 20.30
- MIN / MAX: 4.45
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 25FT WALL SHOWN

36" SETBACK / 36" ON CENTER SPACING

- AVERAGE FC: 15.59
- MIN / MAX: 4.47
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 9 FIXTURES / 30FT WALL SHOWN

42" SETBACK / 42" SPACING ON CENTER

- AVERAGE FC: 12.29
- MIN / MAX: 5.76
- 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: 17.71 MIN / MAX: 4.78	AVERAGE FC: 15.93 MIN / MAX: 5.19
36"	AVERAGE FC: 16.38 MIN / MAX: 4.53	SHOWN ABOVE	AVERAGE FC: 13.57 MIN / MAX: 5.20
42"	AVERAGE FC: 14.11 MIN / MAX: 5.79	AVERAGE FC: 12.90 MIN / MAX: 5.94	SHOWN ABOVE

SQUARE			
ON CENTER SPACING	SETBACK		
	30"	36"	42"
30"	SHOWN ABOVE	AVERAGE FC: 18.46 MIN / MAX: 4.45	AVERAGE FC: 16.69 MIN / MAX: 4.87
36"	AVERAGE FC: 17.03 MIN / MAX: 4.26	SHOWN ABOVE	AVERAGE FC: 14.17 MIN / MAX: 4.91
42"	AVERAGE FC: 14.69 MIN / MAX: 5.53	AVERAGE FC: 13.44 MIN / MAX: 5.47	SHOWN ABOVE

***ALL DATA REFLECTS 90S15A LUMEN PACKAGE**

FRAXION3SLIM WALLWASH

PERFORMANCE - 3000K

OUTPUT MULTIPLIER

LUMEN PACKAGE	WATTAGE	WALLWASH OPTIC	
		DELIVERED	LPW
80S11A	11	1012	92
80S15A	15	1378	92
80S21A	21	1850	88
90S11A	11	869	79
90S15A	15	1184	79
90S21A	21	1589	76
97S11A	11	763	69
97S15A	15	1040	69
97S21A	21	1395	66
90W15AL	15	828	56
90W15AD	15	840	56

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

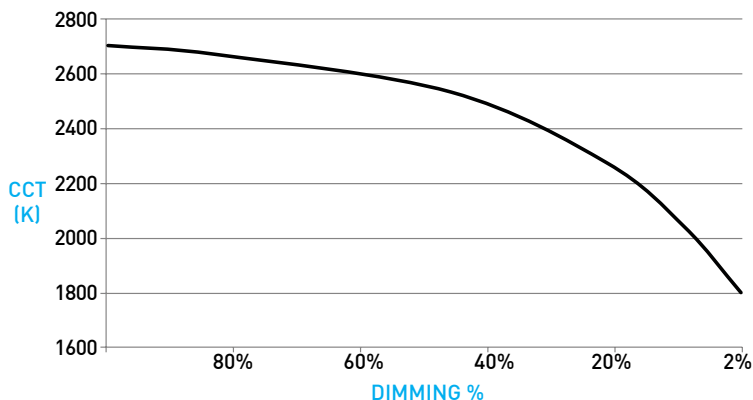
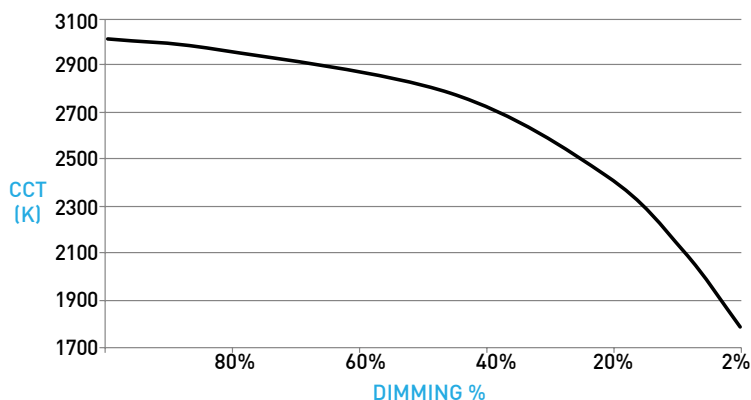
WARM DIM PERFORMANCE - SOFT FOCUS LENS - WW OPTIC

INCANDESCENT DIMMING PROFILE

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)	828	662	579	414	165	82	16
Power (W)	15	12	10.5	7.5	3	1.5	0.3
Efficacy (LPW)	56	56	56	56	56	56	56

HALOGEN WARM DIM PROFILE

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)	840	672	588	420	168	84	16
Power (W)	15	12	10.5	7.5	3	1.5	0.3
Efficacy (LPW)	56	56	56	56	56	56	56

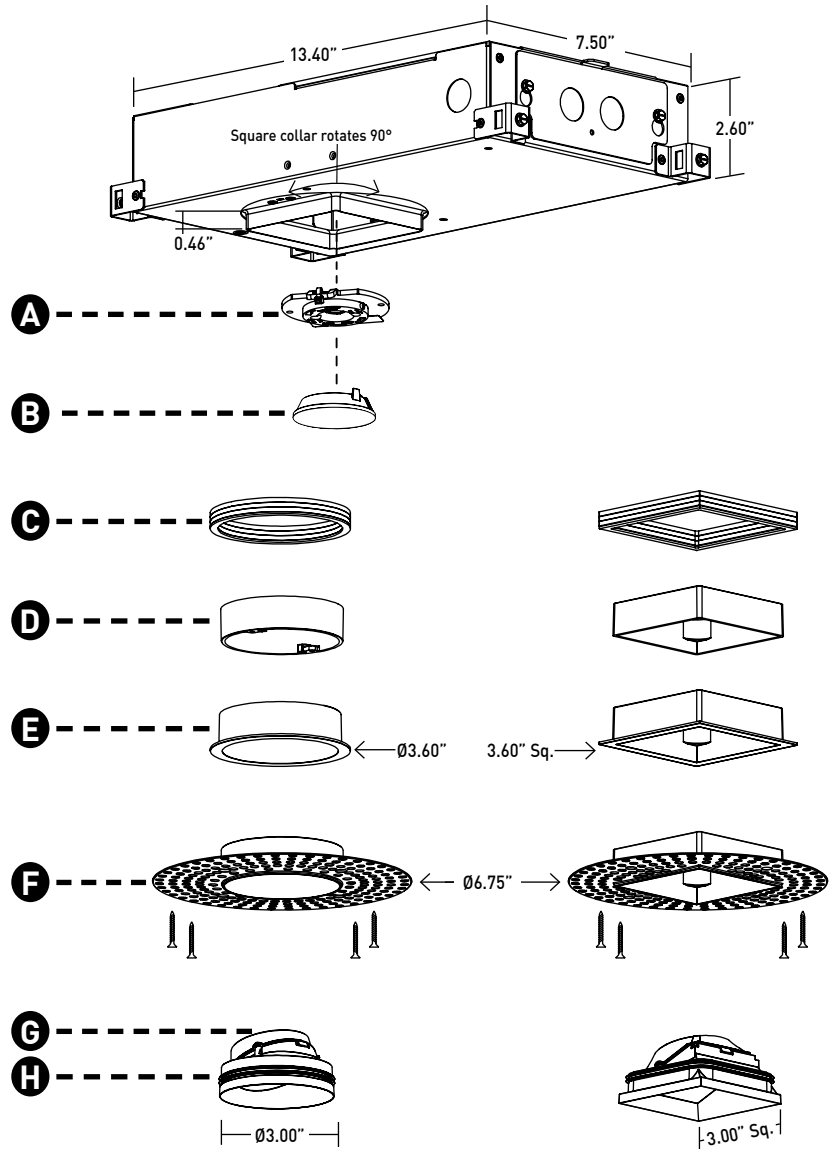


FRACTION3SLIM LVS WALLWASH

DOWNLIGHT / HOUSING

- A LED**
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 principles.
- C TRIMLESS MILLWORK SPACERS**
Provided for Trimless Millwork installations; includes (1) 1/16" spacer and (5) 1/8" spacers.
- D TRIM EXTENSION**
Provided for -2 ceiling thickness; accommodates 2.125" max ceiling thickness.
- E MICROFLANGE PROFILE**
Features 0.30" flange. Thickness measures 0.06". Installed after ceiling is complete. Requires 3.375" diameter cutout. Wet location features integral silicone gasket.
- F TRIMLESS DRYWALL PROFILE**
Installs totally flush with the ceiling with no visible trim. Appliqué includes screws for mounting and has 0.06" plaster stop. Not recommended for stucco applications.
- G MEDIA**
Asymmetrical spread lens, included and sealed in place, combined with angled optic and wide aperture enhance uniformity. Suction tool provided for removal of baffle.
- H BAFFLE**
Die-cast baffle minimizes aperture glare and conceals view into housing; includes gasket.

DIMENSIONS / DRAWINGS



FRAXION3SLIM LVS WALLWASH

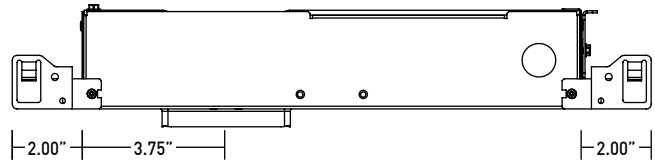
DOWNLIGHT / HOUSING

- I** **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.
- J** **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.
- K** **ADJUSTABLE HANGER BAR HEIGHT ACCESSORY**

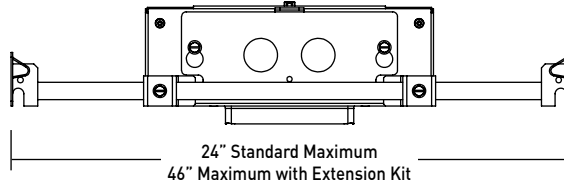
Provided with ceiling thickness "T" and recommended for installations in T-Grid up to 1.5" tall. Hanger bars are installed to adjustable bracket. Allows housing to be raised and lowered; ceiling thickness remains 0.5" to 1.375" max.
- L** **APPLIQUÉ DETAIL**

Appliqué for plaster floating directly to baffle.

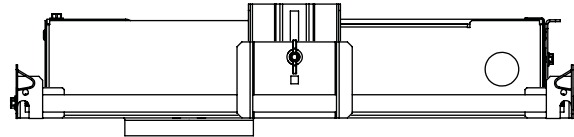
I / J



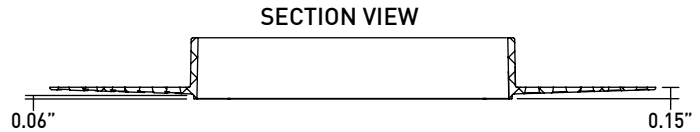
IC HOUSING FEATURES STRIP GASKETS



K



L



HOUSING NOTES

- Do not install NON-IC housings in environments where ambient temperatures exceed 40°C (104°F). See table below for IC housings.
- 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".

IC HOUSING MAX AMBIENT TEMPERATURE	
LUMEN PACKAGE	TEMPERATURE
11W STATIC WHITE	40°C (104°F)
15W STATIC WHITE	35°C (95°F)
21W WHITE	25°C (77°F)
15W WARM DIM	30°C (86°F)

FRAXION3SLIM LVS WALLWASH

TECHNICAL

CONSTRUCTION

Downlight: Painted finishes are granulated powder coat.

Housing: Aluminum and 22 Gauge galvanized steel. Extruded aluminum housing panel to act as heat-sink.

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.

SPACING

Recommended fixture spacing is 36" on center with 36" setback from wall plane.

LISTING

cTUVus listed to UL2108 standard for Dry / Damp and Wet locations. CCEA and Airtight Listed.

BUY AMERICAN ACT

All Fraxion3 Slim Wallwash configurations are Buy American Act compliant.

DECLARE

LBC Red List Approved.

WEIGHT

Fixture - 1.8 lbs

LIMITED WARRANTY

Manufacturer's 1-year warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service. 5-year warranty on LED to operate with 70% of the original flux and remain within a range of 3 duv. Warranty period begins from the date of shipment by Seller. [Consult website for full warranty terms and conditions.](#)

CHANGE LOG

- 01/12/2021: ADDED 2200K, 2700K-1800K WARM DIM AND 10 DEGREE OPTIC OFFERINGS.
- 04/30/2021: REMOVED QUICK SHIP.
- 10/17/2022: REMOVED 90W13A 3200K-1800K WARM DIM AND ADDED 90W12A 3000K-1800K WARM DIM.
- 10/17/2022: UPDATED MAX AMBIENT TEMPERATURE TABLE.
- 04/26/2023: ADDED DECLARE LBC RED LIST APPROVED.
- 08/07/2023: ADDED NEW LED AND OPTIC OFFERINGS. REMOVED 2200K OFFERING.
- 02/01/2024: ADDED 2400K OFFERING.

