

PANELUX™ FRAXION®3

The Panelux™ lighting system provides solutions to aesthetic problems of other industry products.

The Panelux™ lighting system is a patent pending innovative solution integrating recessed downlights into metal ceiling panels designed for use with T-Grid systems like Armstrong Techzone®, USG Logix™, and HunterDouglas®*.

PROJECT NAME:	TYPE:
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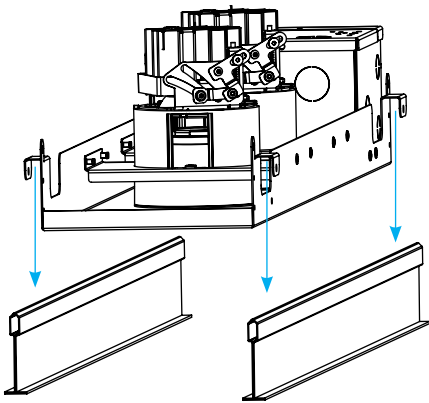
OPTIONALITY

- Configurable dimensions, with panel lengths from 12" - 60" and panel widths in 4" and 6".
- Available in single, dual, triple and quadruple fixtures with round or square trimless downlights in any combination of fixed / adjustable / wallwasher.
- Choose your on-center spacing and controls grouping.
- UGR as low as 1.
- For custom ceiling details or custom panel dimensions, please contact: productsupport@luciferlighting.com

INSTALLER FRIENDLY

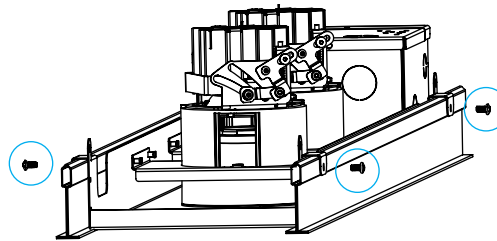
5 minute install process requires one trade professional. Pre-assembled product ships complete. Reduces install time by at least 50% compared to other industry leading panel downlights.

STEP 1



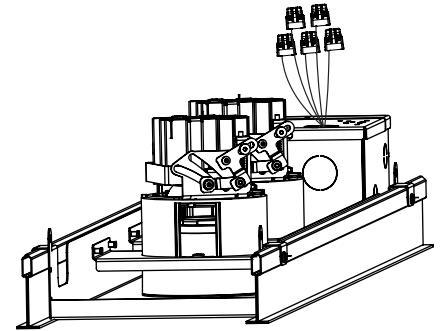
PLACE PANEL IN T-GRID
(T-GRID SUPPLIED BY OTHERS)

STEP 2



SECURE WITH SCREWS
(SCREWS SUPPLIED BY OTHERS)

STEP 3



MAKE WIRING CONNECTIONS

AVAILABLE FINISHES

INDUSTRY MATCHING POWDERCOAT

[WA] Industry White (Designed to match Techzone White Lume)	[SA] Industry Silver (Designed to match Techzone Silver Lume)	[GA] Industry Gun Metal (Designed to match Techzone Gun Metal)	[WU] Industry White (Designed to match USG Flat White)	[WD] Industry White (Designed to match Hunter Douglas Signal White)

LUCIFER LIGHTING STANDARD POWDERCOAT

[WH] White Powder Coat	[AB] Architectural Bronze Powder Coat	[AG] Satin Silver Powder Coat	[AU] Cashmere Gold Powder Coat	[BB] Burnt Bronze Powder Coat	[BK] Black Powder Coat

* Techzone is a registered trademark of AWI Licensing LLC, Logix is a trademark of USG Corporation, HunterDouglas is a registered trademark of Hunter Douglas Corporation. Lucifer Lighting has no association with Armstrong or AWI Licensing, USG Corporation, or Hunter Douglas Corporation.

PANELUX™ FRAXION®3

PROJECT NAME:

TYPE:

ORDERING INFORMATION - PANEL

	PANEL (REQUIRED)	LED / DRIVER (REQUIRED)	ZONE 1 (REQUIRED)	ZONE 2 (AS NEEDED)
COMPLETE SPECIFICATION				

SPECIFICATION INSTRUCTIONS:

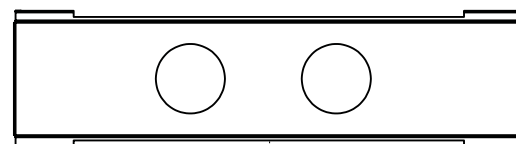
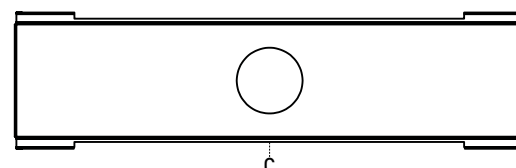
- Specify one or two control zones, all fixtures on each control zone are the same type.
- All fixtures are specified with the same baffle finish.

REQUIRED

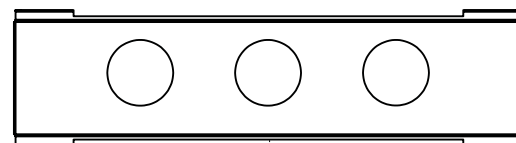
PANEL	FIXTURE SHAPE	PANEL WIDTH (INCHES)	PANEL FINISH	PANEL LENGTH (INCHES)	BAFFLE FINISH	FIXTURE COUNT	FIXTURE LAYOUT / CONTROL ZONES	ON CENTER SPACING (INCHES)
P								
P Panel	F3R Round F3S Square F3T Square Transitional	4 6	INDUSTRY MATCHING POWDERCOATS WA Industry White (Designed to match Techzone White Lume) SA Industry Silver (Designed to match Techzone Silver Lume) GA Industry Gun Metal (Designed to match Techzone Gun Metal) WU Industry White (Designed to match USG Flat White) WD Industry White (Designed to match Hunter Douglas Signal White) CF Custom Finish / Other Industry Finish* *(Consult Factory)	SINGLE 18 24 30 36 42 48 60 DUAL 30 36 42 48 60 TRIPLE 36 42 48 60 QUAD 48 60	POWDERCOAT WH White AB Architectural Bronze AG Satin Silver AU Cashmere Gold BB Burnt Bronze BK Black PR Primer CF Custom Finish* *(Consult Factory) INDUSTRY MATCHING POWDERCOATS WA Industry White SA Industry Silver GA Industry Gun Metal WU Industry White WD Industry White CF Other Industry Finish* *(Consult Factory)	1 Single 2 Dual 3 Triple 4 Quad	① = ZONE 1 ② = ZONE 2 A ① B ① ① C ① ② D ① ① ① E ① ① ② F ① ② ② G ① ② ① H ② ① ② I ① ① ① ① J ① ① ② ② K ① ② ① ② L ① ② ② ① M ② ① ① ②	SINGLE 00 DUAL* 08 10 12 16 18 24 TRIPLE* 08 10 12 16 18 QUAD* 08 10 12 CS Custom Spacing* *(Consult Factory) *REFERENCE SPACING GUIDE FOR AVAILABILITY

FIXTURE SPACING GUIDE

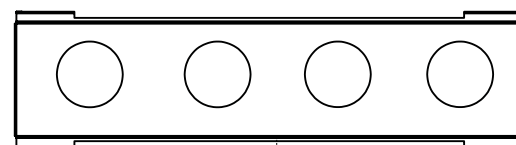
FIXTURE COUNT	LENGTH (INCHES)	ON-CENTER SPACING (INCHES)					
		08	10	12	16	18	24
SINGLE	ALL	CENTERED IN PANEL					
DUAL	30	✓	✓	-	-	-	-
	36	✓	✓	✓	-	-	-
	42	✓	✓	✓	✓	✓	-
	48	✓	✓	✓	✓	✓	✓
	60	✓	✓	✓	✓	✓	✓
TRIPLE	36	✓	-	-	-	-	-
	42	✓	✓	-	-	-	-
	48	✓	✓	✓	-	-	-
	60	✓	✓	✓	✓	✓	-
	48	✓	-	-	-	-	-
QUAD	48	✓	-	-	-	-	-
	60	✓	✓	✓	-	-	-



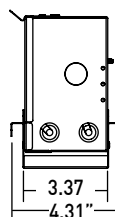
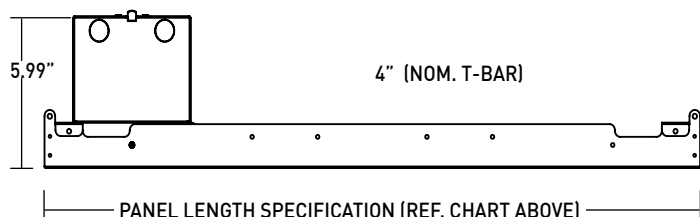
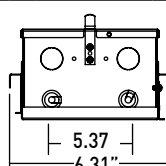
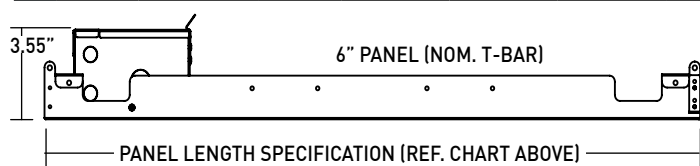
ON CENTER SPACING SPECIFICATION



ON CENTER SPACING SPECIFICATION



ON CENTER SPACING SPECIFICATION



ORDERING INFORMATION - LED / DRIVER

	PANEL (REQUIRED)	LED / DRIVER (REQUIRED)	ZONE 1 (REQUIRED)	ZONE 2 (AS NEEDED)
COMPLETE SPECIFICATION				



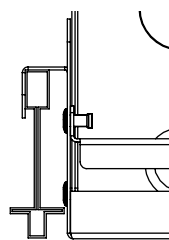
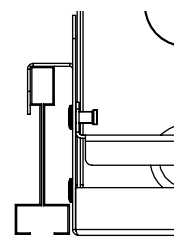
SPECIFICATION INSTRUCTIONS:

- All fixtures on Zone 1 and Zone 2 must be specified with the same CRI and CCT.
- All fixtures specified on each zone are controlled together.
- Zones 1 and 2 can be controlled together or independently. Separate switch legs are required for independent control.

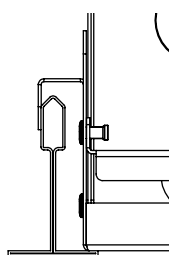
SPECIFICATION REQUIRED

	CRI	CCT	DRIVER (120V-277V)
LED DRIVER	STATICWHITE		
	1 80+ CRI (80S)	A 2400K (24)*	A eldoLED ECOdrive, 0-10V LOG, 1% (SG3)*
	2 90+ CRI (90S)	B 2700K (27)	B eldoLED ECOdrive, 0-10V LIN, 1% (SN3)*
	3 95+ CRI (95S)*	C 3000K (30)	C eldoLED SOLOdrive, 0-10V LOG, 0.1% (EG1)
LED DRIVER	WARM DIM		
	L 90+ CRI (90L)	D 3000K - 1800K (WD)	D eldoLED SOLOdrive, 0-10V LIN, 0.1% (EN1)
		L 2700K - 1800K (WL)	E eldoLED SOLOdrive, DALI-2 DT6, 0.1% (ED1)
			G Athena Control eldoLED SOLOdrive, 0.1% (AS1)
LED DRIVER	TUNABLE WHITE		
	T 90+ CRI (90T)	H 5000K - 2700K (TH)	H Casambi Control eldoLED SOLOdrive, 0.1% (CS1)
		R 4000K - 1800K (TR)	I eldoLED, DUALdrive, 0-10V LOG, 0.1% (DG1)
			J eldoLED, DUALdrive, DALI-2 DT8, 0.1% (DD2)
LED DRIVER	TUNABLE WHITE ONLY		
			K Athena Control eldoLED SOLOdrive, 0.1% (AD1)
			L Casambi Control eldoLED SOLOdrive, 0.1% (CD1)

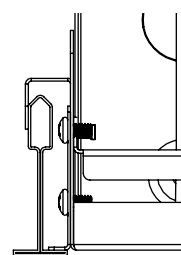
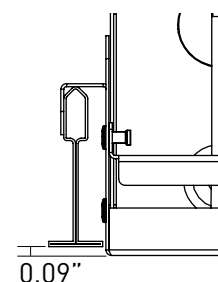
PANEL MOUNTING DETAILS

9/16" T-GRID
TEGULAR

9/16" T-GRID
BOLT SLOT


15/16" T-GRID



9/16" T-GRID*


9/16" T-GRID
TEGULAR


* 9/16" T-grid requires accessory part number PANEL-BRACKET.

PROJECT NAME:	TYPE:
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ORDERING INFORMATION - ZONE 1

	PANEL (REQUIRED)	LED / DRIVER (REQUIRED)	ZONE 1 (REQUIRED)	ZONE 2 (AS NEEDED)
COMPLETE SPECIFICATION				

SPECIFICATION INSTRUCTIONS:

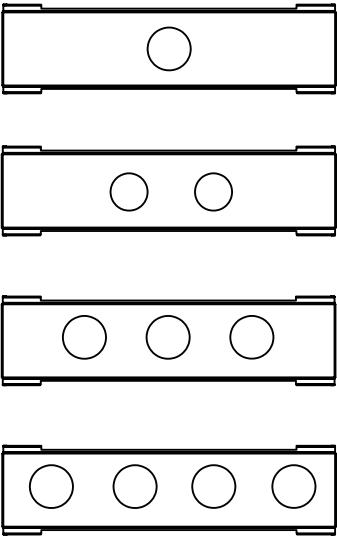
- Zone 1 specification required, reference layout/ control zones specification from page 2.
- All fixtures on Zone 1 will carry the same specification.
- Specify Zone 2 fixtures on page 5.

ZONE 1 - REQUIRED

Z O N E 1	TRIM TYPE	LED WATTAGE	OPTIC	MEDIA
	AS Adjustable Shallow Regress	N 15W 10° Static White, 1729lm (15C)	N 10° (10)	STANDARD MEDIA
	FS Fixed Shallow Regress	A 6W Static White, 795lm (06A)	1 15° (15)	4 Soft Focus Lens (04)* *(REQUIRED FOR N(10°) OPTIC)
	WW Wallwash	F 11W Static White, 1279lm (11A)	2 20° (20)	W Wallwash Lens (WW)* *(REQUIRED AND ONLY AVAILABLE WITH WALLWASH)
		L 15W Static White, 1729lm (15A)	3 25° (25)	ALTERNATE MEDIA
		T 21W Static White, 2435lm (21A)	4 40° (40)	1 Honeycomb Louver (01)* *(NOT AVAILABLE WITH ADJUSTABLE FIXTURES)
		H 11W Warm Dim (11A) WL 2600K - 1800K: 888lm WD 2900K - 1800K: 894lm	6 60° (60)	2 Clear Glass Lens (02)
		O 15W Warm Dim (15A) WL 2700K - 1800K: 1184lm WD 3000K - 1800K: 1193lm	8 85° (85)* *(REQUIRES FOR 7° WIDE DISTRIBUTION LENS)	3 Frosted Glass Lens (03)
		V 22W Warm Dim (22A) WL 2700K - 1800K: 1534lm WD 3000K - 1800K: 1594lm	PERFORMANCE REFLECTS 80+CRI / 3000K PAIRED WITH 20° OPTIC	5 Frosted Soft Focus Lens (05)
		R 17W Tunable White (17A) TR 4000K - 1800K: 1235lm TH 5000K - 2700K: 1231lm	W Wallwash (WW)	6 Frosted Linear Spread Lens (06)
				7 Wide Distribution Lens (07)* *(REQUIRED AND ONLY AVAILABLE WITH 8(80°) / 85° OPTIC)
	FD Fixed Deep Regress	D 9W 10° Static White, 363lm (09H)	N 10° (10)	H Adjustable Honeycomb Louver and Soft Focus Lens (HS)* *(NOT AVAILABLE WITH FIXED FIXTURES, 16W MAX)
		B 6W Static White, 524lm (06D)	1 15° (15)* Warm Dim not available with 1, 2, or N media	N No Lens (NL)
		G 11W Static White, 842lm (11D)	2 25° (25)	
		M 15W Static White, 1138lm (15D)	3 35° (35)	
		S 19W Static White, 1537lm (19D)	5 50° (50)	
		I 11W Warm Dim (11D) WL 2600K - 1800K: 711lm WD 2900K - 1800K: 744lm	8 80° (80)* *(REQUIRES FOR 7° WIDE DISTRIBUTION LENS)	
		Q 15W Warm Dim (15D) WL 2700K - 1800K: 909lm WD 3000K - 1800K: 935lm	PERFORMANCE REFLECTS 80+CRI / 3000K PAIRED WITH 25° OPTIC	
		E 10W Tunable White (10D) TR 4000K - 1800K: 746lm TH 5000K - 2700K: 657lm		

REF. ONLY
FROM P. 2

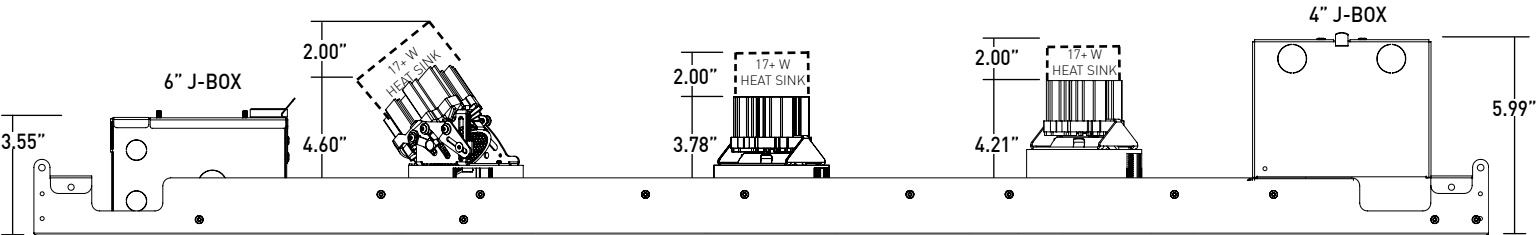
FIXTURE LAYOUT / CONTROL ZONES	
	1 = ZONE 1 2 = ZONE 2
A	1
B	1 1
C	1 2
D	1 1 1
E	1 1 2
F	1 2 2
G	1 2 1
H	2 1 2
I	1 1 1 1
J	1 1 2 2
K	1 2 1 2
L	1 2 2 1
M	2 1 1 2



ADJUSTABLE
SHALLOW REGRESS

FIXED / WALLWASH
SHALLOW REGRESS

FIXED / WALLWASH
DEEP REGRESS



PANELUX™
FRAXION®3

PROJECT NAME:

TYPE:

ORDERING INFORMATION - ZONE 2

	PANEL (REQUIRED)	LED / DRIVER (REQUIRED)	ZONE 1 (REQUIRED)	ZONE 2 (AS NEEDED)
COMPLETE SPECIFICATION				

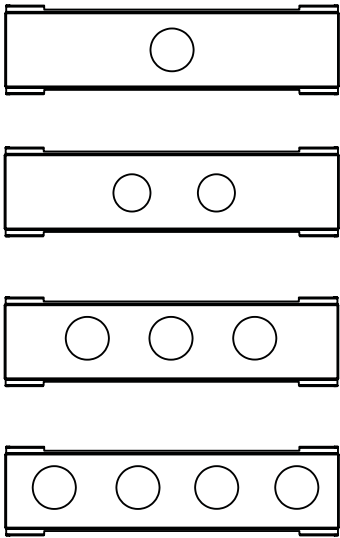


SPECIFICATION INSTRUCTIONS:

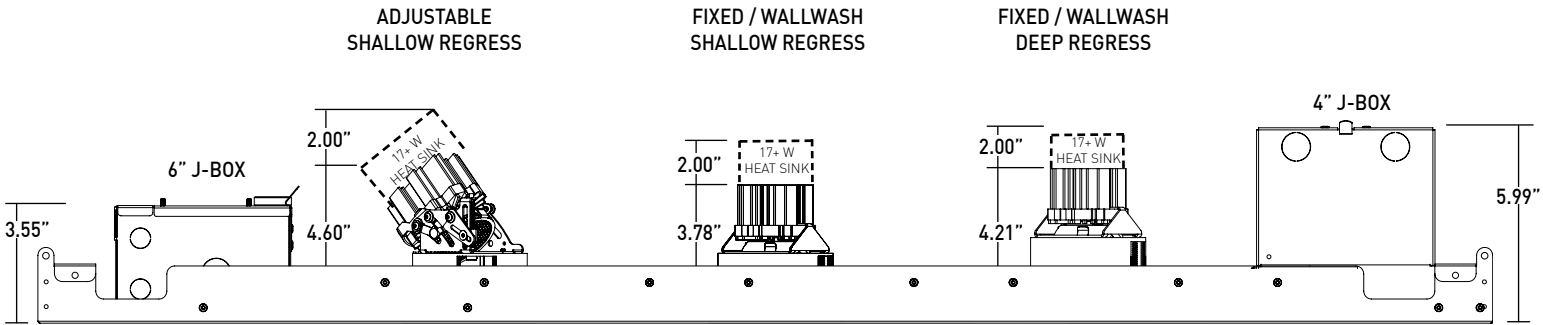
- Specify Zone 2 as needed based upon fixture layout/ control zones specification from page 2.
- All fixtures on Zone 2 will carry the same specification.

REF. ONLY
FROM P. 2

ZONE 2 - AS NEEDED				
	TRIM TYPE	LED WATTAGE	OPTIC	MEDIA
Z O N E 2	AS Adjustable Shallow Regress	N 15W 10° Static White, 1729lm (15C)	N 10° (10)	STANDARD MEDIA 4 Soft Focus Lens (04)* *(REQUIRED FOR N(10°) OPTIC) W Wallwash Lens (WW)* *(REQUIRED AND ONLY AVAILABLE WITH WALLWASH) ALTERNATE MEDIA 1 Honeycomb Louver (01)* *(NOT AVAILABLE WITH ADJUSTABLE FIXTURES) 2 Clear Glass Lens (02) 3 Frosted Glass Lens (03) 5 Frosted Soft Focus Lens (05) 6 Frosted Linear Spread Lens (06) 7 Wide Distribution Lens (07)* *(REQUIRED AND ONLY AVAILABLE WITH 8(80° / 85°) OPTIC) H Adjustable Honeycomb Louver and Soft Focus Lens (HS)* *(NOT AVAILABLE WITH FIXED FIXTURES. 16W MAX) N No Lens (NL)
	FS Fixed Shallow Regress	A 6W Static White, 795lm (06A)	1 15° (15)	
	WW Wallwash	F 11W Static White, 1279lm (11A)	2 20° (20)	
		L 15W Static White, 1729lm (15A)	3 25° (25)	
		T 21W Static White, 2435lm (21A)	4 40° (40)	
		H 11W Warm Dim (11A) WL 2600K - 1800K: 888lm WD 2900K - 1800K: 894lm	6 60° (60)	
		O 15W Warm Dim (15A) WL 2700K - 1800K: 1184lm WD 3000K - 1800K: 1193lm	8 85° (85)* *(REQUIRES FOR 7 WIDE DISTRIBUTION LENS)	
		V 22W Warm Dim (22A) WL 2700K - 1800K: 1534lm WD 3000K - 1800K: 1594lm	W Wallwash (WW) PERFORMANCE REFLECTS 80+CRI / 3000K PAIRED WITH 20° OPTIC	
		R 17W Tunable White (17A) TR 4000K - 1800K: 1235lm TH 5000K - 2700K: 1231lm		
	FD Fixed Deep Regress	D 9W 10° Static White, 363lm (09H)	N 10° (10)	
		B 6W Static White, 524lm (06D)	1 15° (15)* (Warm Dim not available with 1, 2, or N media)	
		G 11W Static White, 842lm (11D)	2 25° (25)	
		M 15W Static White, 1138lm (15D)	3 35° (35)	
		S 19W Static White, 1537lm (19D)	5 50° (50)	
		I 11W Warm Dim (11D) WL 2600K - 1800K: 711lm WD 2900K - 1800K: 744lm	8 80° (80)* *(REQUIRES FOR 7 WIDE DISTRIBUTION LENS)	
		Q 15W Warm Dim (15D) WL 2700K - 1800K: 909lm WD 3000K - 1800K: 935lm	PERFORMANCE REFLECTS 80+CRI / 3000K PAIRED WITH 25° OPTIC	
		E 10W Tunable White (10D) TR 4000K - 1800K: 746lm TH 5000K - 2700K: 657lm		



FIXTURE LAYOUT / CONTROL ZONES	
	1 = ZONE 1 2 = ZONE 2
A	1
B	1 1
C	1 2
D	1 1 1
E	1 1 2
F	1 2 2
G	1 2 1
H	2 1 2
I	1 1 1 1
J	1 1 2 2
K	1 2 1 2
L	1 2 2 1
M	2 1 1 2



ACCESSORIES

ROUND / SQUARE TRANSITIONAL SHALLOW MEDIA

☐ **HCL-F3RS** Honeycomb Louver*

*(NOT AVAILABLE WITH ADJUSTABLE FIXTURES)

☐ **CGL-F3RS** Clear Glass Lens

☐ **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 WITH 8 (80°) OPTIC)

☐ **FLSL-F3RS** Frosted Linear Spread Lens

SQUARE SHALLOW MEDIA

☐ **HCL-F3SS** Honeycomb Louver*

*(NOT AVAILABLE WITH ADJUSTABLE FIXTURES)

☐ **CGL-F3SS** Clear Glass Lens

☐ **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 WITH 8 (80°) OPTIC)

☐ **FLSL-F3SS** Frosted Linear Spread Lens

ADJUSTABLE SHALLOW HCL ASSEMBLY

☐ **OLR-F3RS1-SFL-HCL**

Adjustable Honeycomb

Louver and Soft Focus Lens*

*(NOT AVAILABLE WITH FIXED FIXTURES. 15W MAX)

ADJUSTABLE DEEP HCL ASSEMBLY

☐ **OLR-F3RD1-SFL-HCL**

Adjustable Honeycomb Louver

and Soft Focus Lens*

*(NOT AVAILABLE WITH FIXED FIXTURES. 16W MAX)

ROUND / SQUARE TRANSITIONAL DEEP MEDIA

☐ **HCL-F3RD** Honeycomb Louver*

*(NOT AVAILABLE WITH WARM DIM WHEN USING 1 (15°) OPTIC)

☐ **CGL-F3RD** Clear Glass Lens*

*(NOT AVAILABLE WITH WARM DIM WHEN USING 1 (15°) OPTIC)

☐ **FGL-F3RD** Frosted Glass Lens
☐ **SFL-F3RD** Soft Focus Lens
☐ **FSFL-F3RD** Frosted Soft Focus Lens
☐ **WDL-F3RD** Wide Distribution Lens*

*(REQUIRED AND ONLY AVAILABLE WITH 8 (80°) OPTIC)

☐ **FLSL-F3RD** Frosted Linear Spread Lens

SQUARE DEEP MEDIA

☐ **HCL-F3SD** Honeycomb Louver*

*(NOT AVAILABLE WITH WARM DIM WHEN USING 1 (15°) OPTIC)

☐ **CGL-F3SD** Clear Glass Lens*

*(NOT AVAILABLE WITH WARM DIM WHEN USING 1 (15°) OPTIC)

☐ **FGL-F3SD** Frosted Glass Lens
☐ **SFL-F3SD** Soft Focus Lens
☐ **FSFL-F3SD** Frosted Soft Focus Lens
☐ **WDL-F3SD** Wide Distribution Lens*

*(REQUIRED AND ONLY AVAILABLE WITH 8 (80°) OPTIC)

☐ **FLSL-F3SD** Frosted Linear Spread Lens

9/16" T-GRID ACCESSORY

Required for 9/16" T-Grid installation

☐ **PANEL-BRACKET**

REPLACEMENT BAFFLE ASSEMBLY (INCLUDES MEDIA)

ASSEMBLY	SHAPE	RATING	FINISH	MEDIA
RBA		1		
REPLACEMENT BAFFLE ASSEMBLY	F3RS Round Shallow Regress F3RW Round Wallwash F3SS Square Shallow Regress F3SW Square Wallwash F3TS Square Transitional Shallow Regress F3RD Round Deep Regress F3SD Square Deep Regress F3TD Square Transitional Deep Regress	1 IP20 Dry/Damp	WH White AB Architectural Bronze AG Satin Silver AU Cashmere Gold BB Burnt Bronze BK Black PR Primer CF Custom Finish* <small>*(CONSULT FACTORY)</small>	LEAVE BLANK FOR SOFT FOCUS LENS (SFL) HCL Honeycomb Louver* <small>*(NOT AVAILABLE WITH ADJUSTABLE FIXTURES OR DEEP REGRESS WARM DIM WHEN USING 1 (15°) OPTIC)</small> CGL Clear Glass Lens* <small>*(NOT AVAILABLE WITH DEEP REGRESS WARM DIM WHEN USING 1 (15°) OPTIC)</small> FGL Frosted Glass Lens FSFL Frosted Soft Focus Lens FLSL Frosted Linear Spread Lens WDL Wide Distribution Lens* <small>*(REQUIRED AND ONLY AVAILABLE WITH 8 (80°) OPTIC)</small> NL No Lens* <small>*(NOT AVAILABLE WITH DEEP REGRESS WARM DIM WHEN USING 1 (15°) OPTIC)</small>

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-50-15-W** 15° optic
- ☐ **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

DEEP REGRESS REPLACEMENT OPTICS

Interchangeable optics accessible through fixture aperture.

STATIC WHITE

- ☐ **RO-35-15-S** 15° optic
- ☐ **RO-35-25-S** 25° optic
- ☐ **RO-35-35-S** 35° optic
- ☐ **RO-35-50-S** 50° optic

WARM DIM

- ☐ **RO-35-15-W** 15° optic
- ☐ **RO-35-25-W** 25° optic
- ☐ **RO-35-35-W** 35° optic
- ☐ **RO-35-50-W** 50° optic

TUNABLE WHITE

- ☐ **RO-35-15-T** 15° optic
- ☐ **RO-35-25-T** 25° optic
- ☐ **RO-35-35-T** 35° optic
- ☐ **RO-35-50-T** 50° optic

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
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
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	-	-	787	72	888	81	865	79	803	73	884	80	764	69	823	75
90W11A (29K-18K)	11	-	-	778	71	894	81	875	80	807	73	894	81	768	70	727	66
90W15A (27K-18K)	15	-	-	1049	70	1184	79	1153	77	1070	71	1179	79	1019	68	1097	73
90W15A (30K-18K)	15	-	-	1038	69	1193	80	1168	78	1077	72	1193	80	1025	68	971	65
90W22A (27K-18K)	22	-	-	1359	62	1534	70	1494	68	1389	63	1528	69	1320	60	1421	65
90W22A (30K-18K)	22	-	-	1386	63	1594	72	1560	71	1439	65	1594	72	1369	62	1297	59
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

MAX 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	WW OPTIC WALLWASH LENS
4-10	13-22	10-13	13-16	13-19	19-22	25-28	25-29

*UGR values reflect white baffle and vary based on wattage, lower UGR values available with different finishes.

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

PANELUX™ FRAXION®3

PROJECT NAME:

TYPE:

DEEP REGRESS PERFORMANCE - 3000K

LUMEN PACKAGE	WATT-AGE	10° OPTIC FIELD REDUCER KIT		15° OPTIC SOFT FOCUS LENS		25° OPTIC SOFT FOCUS LENS		35° OPTIC SOFT FOCUS LENS		50° OPTIC SOFT FOCUS LENS		80° OPTIC SOFT FOCUS LENS	
		DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW
80S06D	06	-	-	527	88	524	87	477	80	500	83	430	72
80S09H	09	363	33	-	-	-	-	-	-	-	-	-	-
80S11D	11	-	-	848	77	842	77	768	70	805	73	692	63
80S15D	15	-	-	1129	75	1138	76	1038	69	1087	72	935	62
80S19D	19	-	-	1548	74	1537	73	1401	67	1468	70	1263	60
90S06D	06	-	-	446	74	443	74	404	67	423	71	364	61
90S09H	09	312	35	-	-	-	-	-	-	-	-	-	-
90S11D	11	-	-	718	65	713	65	650	59	681	62	585	53
90S15D	15	-	-	970	65	963	64	878	59	920	61	791	63
90S19D	19	-	-	1310	62	1300	62	1185	56	1242	59	1068	51
95S06D	06	-	-	396	66	393	66	358	60	375	63	323	54
95S09H	09	269	18	-	-	-	-	-	-	-	-	-	-
95S11D	11	-	-	637	58	632	57	576	52	604	55	519	47
95S15D	15	-	-	861	57	854	57	779	52	816	54	702	47
95S19D	19	-	-	1162	55	1153	55	1052	50	1102	52	948	45
90W11D (26K-18K)	11	-	-	698	63	711	65	644	59	665	60	538	49
90W11D (30K-18K)	11	-	-	747	68	744	68	674	61	706	64	566	51
90W15D (27K-18K)	15	-	-	912	61	909	61	811	54	857	57	685	46
90W15D (30K-18K)	15	-	-	975	65	935	62	989	66	888	59	935	62
90T10D (50K-27K)	10	-	-	662	66	657	66	586	59	623	62	674	67
90T10D (40K-18K)	10	-	-	752	75	746	75	667	67	708	71	766	77

*LIN-TO-LIN 0-10V pairing not compatible with Warm Dim or Tunable White.

MAX UNIFIED GLARE RATING

10° OPTIC NO LENS	15° OPTIC SOFT FOCUS LENS	20° OPTIC SOFT FOCUS LENS	35° OPTIC SOFT FOCUS LENS	50° OPTIC SOFT FOCUS LENS	80° OPTIC WIDE DISTRIBUTION
1-10	10-13	10-13	13-16	16-19	22-25

*UGR values reflect white baffle and vary based on wattage, lower UGR values available with different finishes.

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

SHALLOW REGRESS WARM DIM PERFORMANCE - 20° OPTIC - SOFT FOCUS LENS

INCANDESCENT PROFILE

90L11AWL 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)	2700K	2700K	2700K	2600K	2200K	1900K	1800K
Light Output (Lm)	888	710	622	444	178	89	18
Power (W)	11	8.8	7.7	5.5	2.2	1.1	0.2
Efficacy (LPW)	81	81	81	81	81	81	81
90L15AWL 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)	2700K	2700K	2700K	2700K	2500K	1900K	1800K
Light Output (Lm)	1184	947	828	592	236	118	23
Power (W)	15	12	10.5	7.5	3	1.5	0.3
Efficacy (LPW)	79	79	79	79	79	79	79
90L22AWL 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)	2700K	2700K	2700K	2700K	2600K	2100K	1800K
Light Output (Lm)	1534	1227	1074	767	307	153	31
Power (W)	22	17.6	15.4	11	4.4	2.2	0.4
Efficacy (LPW)	70	70	70	70	70	70	70

HALOGEN PROFILE

90L11AWD 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)	3000K	3000K	3000K	3000K	2500K	1900K	1800K
Light Output (Lm)	894	715	626	447	179	89	18
Power (W)	11	8.8	7.7	5.5	2.2	1.1	0.2
Efficacy (LPW)	79	79	79	79	79	79	79
90L15AWD 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)	3000K	3000K	3000K	3000K	3000K	2000K	1800K
Light Output (Lm)	1193	954	835	596	238	119	23
Power (W)	15	12	10.5	7.5	3	1.5	0.3
Efficacy (LPW)	80	80	80	80	80	80	80
90L22AWD 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)	3000K	3000K	3000K	3000K	3000K	2500K	1800K
Light Output (Lm)	1594	1275	1116	797	319	159	32
Power (W)	22	17.6	15.4	11	4.4	2.2	0.4
Efficacy (LPW)	72	72	72	72	72	72	72

DEEP REGRESS WARM DIM PERFORMANCE - 20° OPTIC - SOFT FOCUS LENS

INCANDESCENT PROFILE

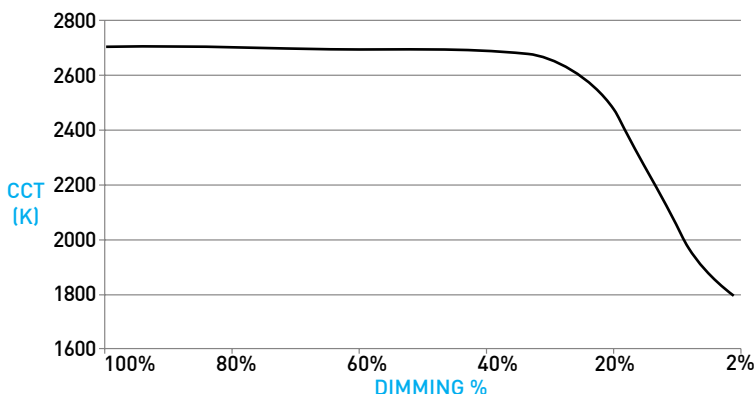
90L11DWL 2700K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2700	2700	2700	2700	2200	1900	1800
Light Output (Lm)	711	569	498	356	142	71	14
Power (W)	11	8.8	7.7	5.5	2.2	1.1	0.2
Efficacy (LPW)	65	65	65	65	65	65	65
90L15DWL 2700K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2700	2700	2700	2700	2450	1950	1800
Light Output (Lm)	909	727	636	455	182	91	18
Power (W)	15	12	10.5	7.5	3	1.5	0.3
Efficacy (LPW)	61	61	61	61	61	61	61

HALOGEN PROFILE

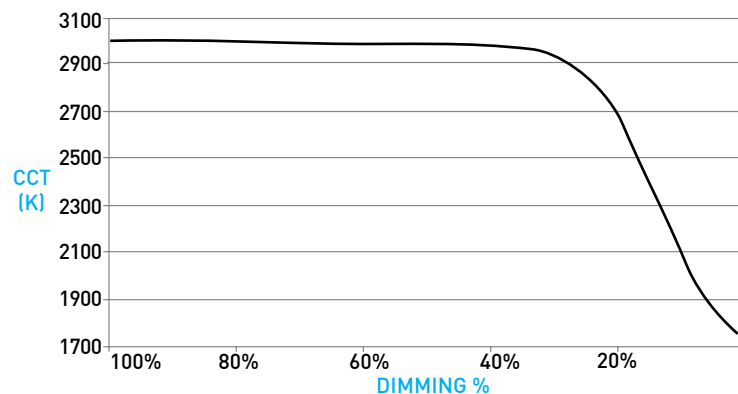
90L11DWD 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	3000	3000	3000	3000	2200	1850	1800
Light Output (Lm)	744	595	521	372	149	74	15
Power (W)	11	8.8	7.7	5.5	2.2	1.1	0.2
Efficacy (LPW)	68	68	68	68	68	68	68
90L15DWD 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	3000	3000	3000	3000	2700	1900	1800
Light Output (Lm)	935	748	655	468	187	94	19
Power (W)	15	12	10.5	7.5	3	1.5	0.3
Efficacy (LPW)	62	62	62	62	62	62	62

WARM DIM DIMMING CURVES

INCANDESCENT PROFILE



HALOGEN PROFILE



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

PANELUX™ FRAXION®3

PROJECT NAME:

TYPE:

COMPONENT DRAWINGS / DIMENSIONS

A ADJUSTABILITY

Hot-aim tilt up to 40° and 361° rotation with Philips screwdriver, features 5° tilt increment indicators. Sliding pivot point optimizes center beam, ensuring unclipped beam of 15° at 40° tilt and 25° at 30° tilt.

B SHALLOW REGRESS OPTIC

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

DEEP REGRESS OPTIC

Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering wallwash, 10°, 15°, 25°, 35°, & 50° 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. Specified as "H" Effects Device

E EFFECTS DEVICES / LENS RETAINER

Fixture is limited to 1 effects device installed on the baffle, see Section E for Adjustable HCL assembly. Lens retainer allows effects devices to be changed in Dry / Damp locations.

F SHALLOW REGRESS 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.

SHALLOW REGRESS 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.

G DEEP REGRESS ROUND / SQUARE BAFFLE

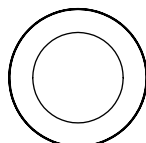
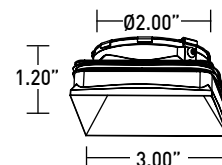
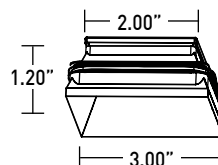
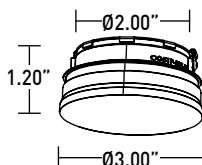
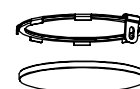
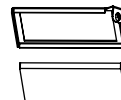
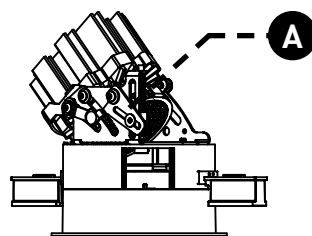
Die-cast removable baffle provides easy access to adjustment mechanisms for tilt and rotation. Features 60° glare cutoff, minimizing aperture glare and concealing view into housing. Includes gasket, mitigating light leak.

DEEP REGRESS SQUARE TRANSITIONAL BAFFLE

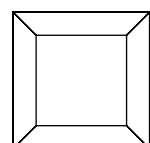
Transitions from square aperture at ceiling to round aperture at light source. Die-cast removable baffle provides easy access to adjustment mechanisms for tilt and rotation. Features 60° glare cutoff, minimizing aperture glare and concealing view into housing. Includes gasket, mitigating light leak.

H WALLWASH BAFFLE / MEDIA

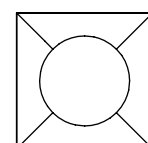
Die-cast baffle with angled wide aperture for enhanced uniformity. Features asymmetrical spread lens, sealed in place, combined with auxiliary reflector for optimum performance. Includes gasket, mitigating light leak, and Suction Tool to accommodate baffle removal.



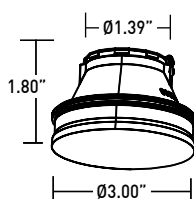
ROUND



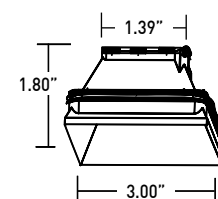
SQUARE



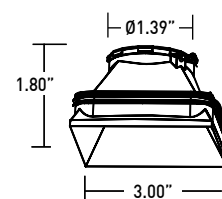
SQUARE TRANSITIONAL



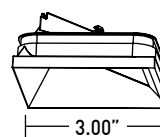
ROUND



SQUARE



SQUARE TRANSITIONAL



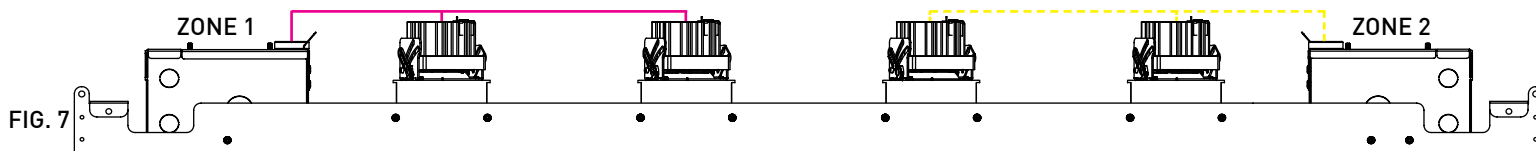
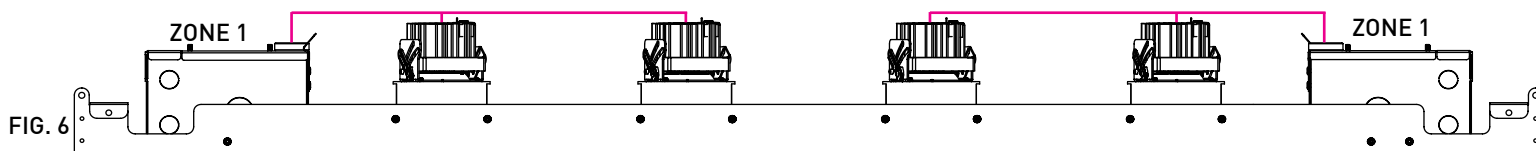
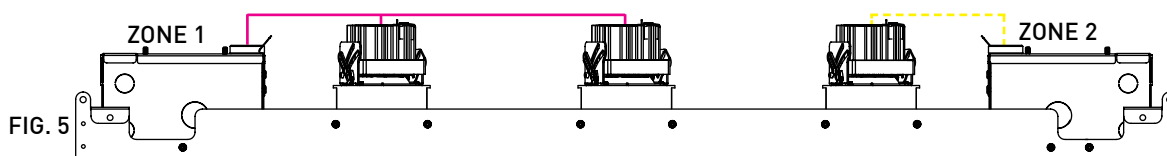
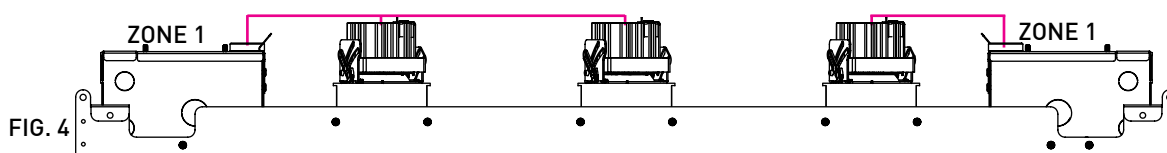
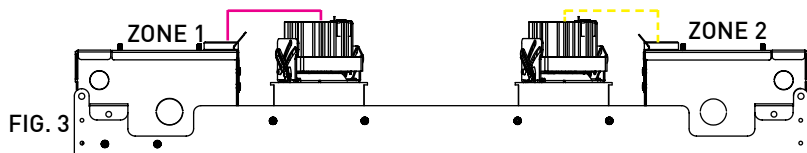
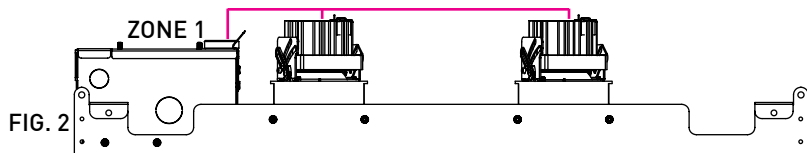
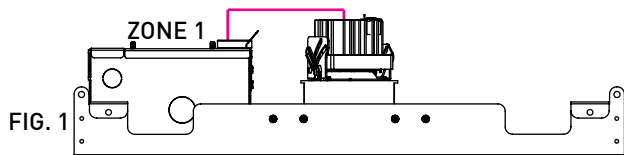
PANELUX™ FRAXION®3

PROJECT NAME:

TYPE:

DRIVER / ZONE CONTROL GUIDE

Fixtures ship pre-wired to drivers based on fixture layout / control zone specification. Each driver requires connections to mains voltage and controls as applies. Not all layouts shown, for reference only.



FIXTURE LAYOUT / CONTROL ZONES		REF. FIGURE
① = ZONE 1	② = ZONE 2	
A	①	FIG. 1
B	① ①	FIG. 2
C	① ②	FIG. 3
D	① ① ①	FIG. 4
E	① ① ②	FIG. 5
F	① ② ②	FIG. 5
G	① ② ①	FIG. 5
H	② ① ②	FIG. 5
I	① ① ① ①	FIG. 6
J	① ① ② ②	FIG. 7
K	① ② ① ②	FIG. 7
L	① ② ② ①	FIG. 7
M	② ① ① ②	FIG. 7

PANELUX™ FRAXION®3

PROJECT NAME:

TYPE:

TECHNICAL

CONSTRUCTION

Downlight: Painted finishes are granulated powder coat. Forged aluminum heat-sink.

Panel: Aluminum and 22 Gauge galvanized steel.

Power Supply: 22 Gauge galvanized steel.

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

	0-10V					DALI-2		ATHENA		CASAMBI	
Power Supply	SG3	SN3	EG1	EN1	DG1	ED1	DD2	AS1	AD1	CS1	CD1
Minimum °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
Dimming %	1.0%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: For EG1 and EN1 drivers consult chart on page 13 to confirm appropriate dimming curve for compatibility with selected control.

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 locations.

NEMA 410 Compliant.

BUY AMERICAN ACT

All Panelux™ Fraxion®3 configurations are Buy American Act compliant.

DECLARE

LBC Red List Approved.

WEIGHT

3.50lbs per foot.

SETBACKS

- 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.

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

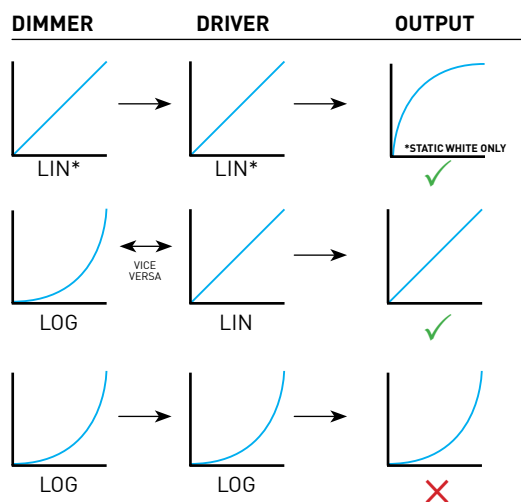
- 05/07/2025: UPDATED WARM DIM OFFERING.
- 06/06/2025: REMOVED LP1 DRIVER OFFERING.
- 08/13/2025: REMOVED DEEP REGRESS ADJUSTABLE FIXTURE OFFERING.

DIMMING COMPATIBILITY

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



LIN = LINEAR

LOG = LOGARITHMIC

*LIN-TO-LIN NOT COMPATIBLE FOR WARM-DIM OR TUNABLE WHITE