



# SLOT 2

RECESSED  
TUNABLE WHITE

## HIGHLIGHTS

- 300 to 1300 lumens per foot Direct
- Two lens depths: OD (Flush) and 1D (1" Regress)
- 5 direct distributions: Lambertian, Batwing, Wall Wash, Wall Graze, or Asymmetric
- Multiple lens treatment options: Continuous Flush and Drop in 1/2", 1", or 1-1/2" depths
- Shielding provided by optional louver
- Mainstream Dynamic Tunable White with nTune™ Technology
- White, black or silver paint with satin finish
- UGR data available on page 4



## FIXTURE PERFORMANCE

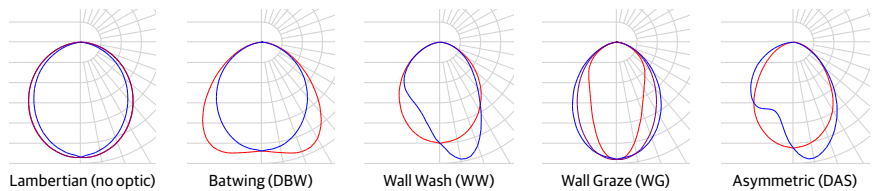
Nominal Lumens/Foot	Direct											
	300LMF			400LMF			600LMF			800LMF		
CCT	27K	46K	65K	27K	46K	65K	27K	46K	65K	27K	46K	65K
Delivered Lumens/Foot	280	287	287	380	376	383	580	555	576	780	734	769
Input Watts/Foot	2.53	2.50	2.50	3.48	3.25	3.39	5.39	4.76	5.18	7.31	6.26	6.96
Lumens/Watt	111	115	115	109	116	113	108	117	111	107	117	110

Nominal Lumens/Foot	Direct								
	1000LMF			1200LMF			1300LMF		
CCT	27K	46K	65K	27K	46K	65K	27K	46K	65K
Delivered Lumens/Foot	979	913	962	1137	1107	1128	1216	1205	1210
Input Watts/Foot	9.22	7.77	8.75	11.49	9.86	10.91	12.62	10.90	12.00
Lumens/Watt	106	118	110	99	112	103	96	111	101

Based on a 4FT 90CRI TUWH RHYR (27K-65K) fixture with 0" depth lens regress (OD), standard lambertian distribution, and flush lens (FLL)



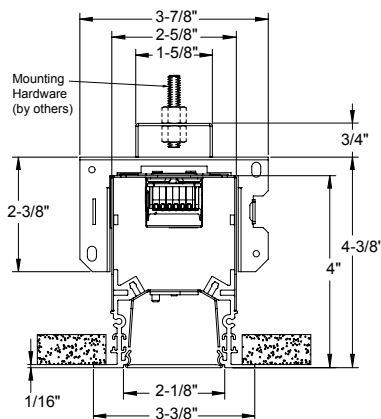
## DIRECT DISTRIBUTION



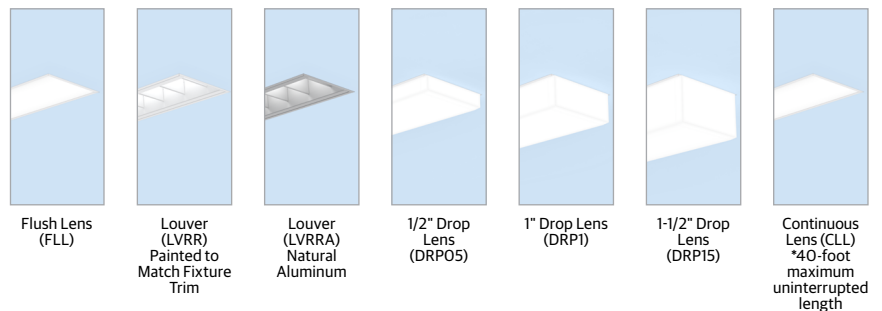
## DIMENSIONS

Section View

FL Trim with OD Lens Regress



## DIFFUSERS/SHIELDING



**ORDERING**

Example: S2RD LOP 4FT3.875 1D FL 90CRI TUWH RHRY 100OLMF SCT DARK FLL MVOLT WHTT NLT

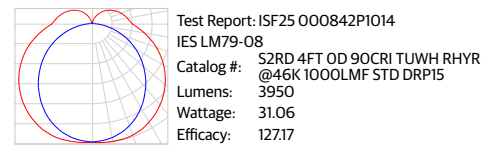
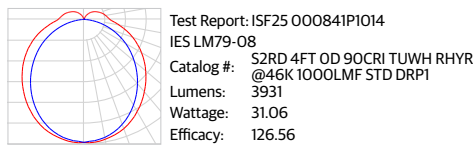
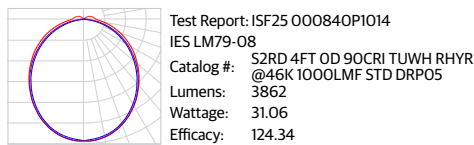
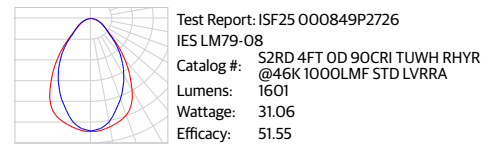
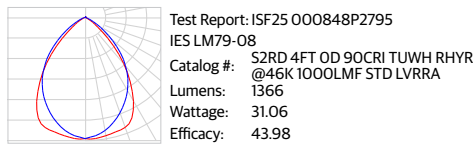
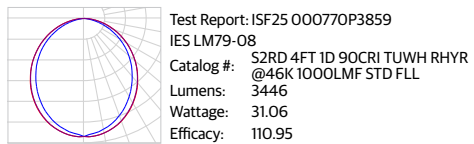
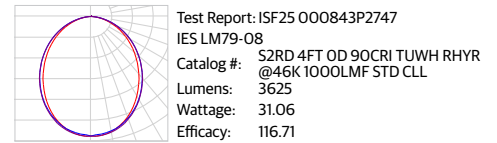
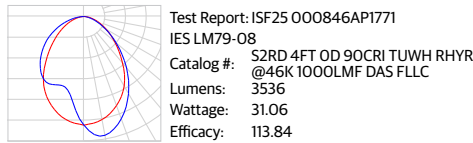
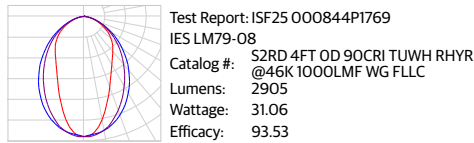
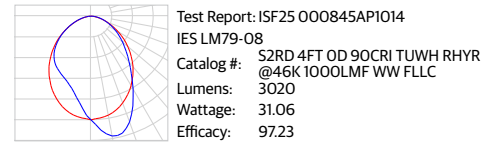
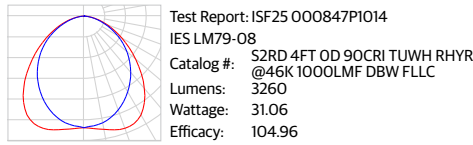
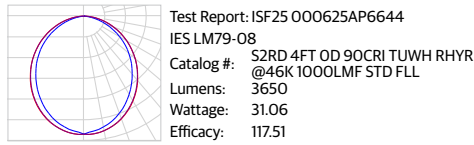
Series	Linear Plan	Total Run Length	Lens Regress Depth	Ceiling Type	Direct Light Source Color Rendering	Direct Dynamic Feature
<b>S2RD</b> Slot 2 Recessed Direct	<b>LOP</b> Optimized Length	<b>_FT_</b> Specify continuous linear feet to nearest 1/8" increments starting at 2FT (Example 24' - 6 1/8" = 24FT6.125) <b>_FT'</b> Specify continuous linear feet to whole foot increments starting at 2FT (Example: 24' = 24FT)  Unit length may affect available options. <b>For runs longer than 8FT: ALWAYS order the run by the TOTAL RUN LENGTH. Ordering the sections individually will not provide the correct joining hardware to allow run connections in the field.</b> 1. Use whole foot increment when using DRPO5, DRP1, DRP15, LVRR, LVRRRA, sensors, or zoning options.	<b>OD</b> 0" Depth <b>1D<sup>1,2,3</sup></b> 1" Depth 1. Available with FLL, CLL, LVRR, or LVRRRA Optional Shielding only. 2. Not available with Direct Distribution options. 3. Not available with FLINB or GBINB	<b>FL</b> 5/8IN Flange (sheetrock) <b>GB</b> Gypsum Board (sheetrock) <b>FLINB</b> 5/8IN Flange (sheetrock) Install From Below <b>GBINB</b> Gypsum Board (sheetrock) Install From Below <b>TG</b> Grid Ceiling: 9/16" Flat Tee with Lay-In Tile, 9/16" Flat Tee with Tegular Tile, 9/16" Slot Tee with Tegular Tile, 15/16" Flat Tee with Lay-In Tile, & 15/16" Flat Tee with Tegular Tile <b>FLW<sup>1</sup></b> 5/8IN Flange (sheetrock) Wall Mounted <b>GBW<sup>1</sup></b> Gypsum Board (sheetrock) Wall Mounted 1. When using FLW or GBW options, FLW will change to FL & GBW will change to GB for shipping lines to designate same fixture as ceiling mounted units. *For compatibility with metal pans, hardwood, or other ceiling types, consult technical support.	<b>90CRI</b> 90CRI	<b>TUWH</b> Tunable White

Direct Dynamic Range	Direct LED Light Output	Direct Distribution <sup>1</sup>	Switching	Minimum Dimming Level	Optional Shielding
<b>RHRY</b> Rhythm Range (2700K-6500K)	<b>300LMF</b> 300 Lumens per Foot <b>400LMF</b> 400 Lumens per Foot <b>600LMF</b> 600 Lumens per Foot <b>800LMF</b> 800 Lumens per Foot <b>1000LMF</b> 1,000 Lumens per Foot <b>1200LMF</b> 1,200 Lumens per Foot <b>1300LMF</b> 1,300 Lumens per Foot <b>_LMF</b> Specify Lumens between 300LMF and 1300LMF in 50LMF increments	<b>&lt;blank&gt;</b> Lambertian <b>DAS</b> Direct asymmetric distribution <b>DBW</b> Direct Batwing Distribution <b>WG</b> Wall Graze Distribution <b>WW</b> Wall Wash 1. Direct Distribution options are only available with FLL Direct Shielding and OD Lens Regress Depth option.	<b>SCT</b> Single Circuit	<b>DARK</b> Constant Current, Dimming to 0.1%	<b>CLL<sup>3,6</sup></b> Continuous Flush Lens <b>DRPO5<sup>1,2,5</sup></b> Drop Lens 1/2IN <b>DRP1<sup>1,2,5</sup></b> Drop Lens 1IN <b>DRP15<sup>1,2,5</sup></b> Drop Lens 1 1/2IN <b>FLL<sup>4</sup></b> Flush Lens <b>LVRR<sup>1,2</sup></b> Louver (painted same finish color as housing) <b>LVRRRA<sup>1,2</sup></b> Natural Aluminum Louver 1. Not available with TG trim, sensors, or emergency options E10WLCP or GTD. 2. Only available in whole foot increments. 3. CLL is not available with WW, WG, DAS, or DBW distributions. 4. When using distribution options, FLL will change to FLLC to designate a co-extruded lens with white and clear material. 5. Not available with 1D Lens Regress Depth 6. 40-foot maximum uninterrupted length.

Voltage	Finish	Emergency Options	Control Input	Primary Sensor or Zone <sup>1,2</sup>
<b>MVOLT</b> 120-277V <b>120<sup>1</sup></b> 120V <b>277<sup>1</sup></b> 277V 1. Required with GTD option.	<b>WHTT</b> White (Satin) <b>AMF</b> Antimicrobial White <b>BLKT</b> Black (Satin) <b>SLVT</b> Silver (Satin) <b>RALTBDD<sup>1</sup></b> <a href="#">RAL Paint Finish</a> 1. RALTBDD is for pricing only. Replace with applicable RAL number & sheen when placing order	<b>&lt;blank&gt;</b> No Emergency Option <b>E10WLCP<sup>1,3</sup></b> Total number of 10W Battery Packs, Constant Power, Self Diagnostic, T20 Compliant <b>_RE10WLCP</b> Total Number of Remote 10W Battery Packs, Constant Power, Self Diagnostics, T20 Compliant <b>_EC</b> Total Number of Emergency Circuits <b>GTD<sup>2</sup></b> Generic Transfer Device 1. E10WLCP is not available in units 2' to 3'-11-7/8", 4'-0-1/8" to 4'-11-7/8", or with 1D, LVRR, LVRRRA, DRPO5, DRP1, or DRP15 options. 2. GTD is remote mounted, not available with DRPO5, DRP1, DRP15, or CP options, and requires 120 or 277 voltage specified. 3. Available with maximum 800LMF for complete linear run.	<b>NLT</b> nLight nTune Device	<b>&lt;blank&gt;</b> No Sensor or Primary Zone Option <b>NS_</b> Primary Zone with No Sensor (Specify zone length in feet.) <b>ADC_</b> Daylight Dimming Sensor with Primary Zone Length (Specify zone length in feet.) <b>PDT_</b> Dual Technology Occupancy Sensor, PIR and Microphonics Sensor with Primary Zone Length (Specify zone length in feet.) <b>APIR_</b> Passive Infrared Occupancy and Daylight Dimming Sensor (Specify total zone length in feet.) <b>APDT_</b> Dual Technology Occupancy and Daylight Dimming Sensor (Specify total zone length in feet.) 1. Sensors are only available with OD and FLL or CLL options. 2. Available with FLINB & GBINB in maximum 800LMF.

Secondary Sensor or Zone <sup>1,2</sup>	Tertiary Zone Indicator	Options
<b>&lt;blank&gt;</b> No Sensor or Secondary Zone Option <b>SNS_</b> Secondary Zone with No Sensor (Specify zone length in feet.) <b>SADC_</b> Daylight Dimming Sensor with Secondary Zone Length (Specify zone length in feet.) <b>SPDT_</b> Dual Technology Occupancy Sensor, PIR and Microphonics Sensor with Secondary Zone Length (Specify zone length in feet.) <b>SAPIR_</b> Passive Infrared Occupancy and Daylight Dimming Sensor (Specify total zone length in feet.) <b>SAPDT_</b> Dual Technology Occupancy and Daylight Dimming Sensor (Specify total zone length in feet.) 1. Sensors are only available with OD and FLL or CLL options. 2. Available with FLINB & GBINB in maximum 800LMF.	<b>&lt;blank&gt;</b> No Tertiary Zone <b>TNS_</b> Tertiary Zone (Specify zone length in feet.)	<b>&lt;blank&gt;</b> No Options <b>WL<sup>1,2,3,4</sup></b> Wet Location <b>CP</b> Chicago Plenum <b>BAA</b> Buy America(n) Act and/or Build America Buy America Qualified 1. Lens is not sealed or gasketed. 2. Not available for vertical surface installation. 3. Available as individual fixture sections, starting at 2FT through 8FT maximum run length. 4. Not available with E10WLCP.

## PHOTOMETRICS



## PROJECT LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).  
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	10,000	60,000	100,000
Lumen Maintenance Factor	1	0.98	0.84	0.75

## REGRESS DEPTH SCALING CHART

LENS REGRESS DEPTH	MULTIPLIER
OD	1.00
1D	0.94

\*Base fixture with Lambertian distribution, 0" depth lens regress (OD), and flush lens (FLL)

## OPTICAL SCALING CHARTS

DISTRIBUTIONS	MULTIPLIER
LAMBERTIAN	1.00
DBW	0.89
DAS	0.97
WW	0.83
WG	0.80
SHIELDING	MULTIPLIER
LVRR	0.44
LVRRRA	0.37
CLL	0.99
FLL	1.00
DRP05	1.06
DRP1	1.08
DRP15	1.08

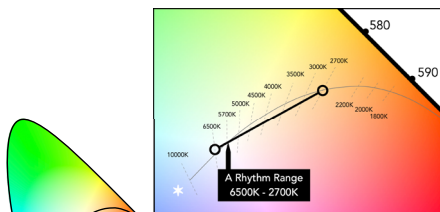
\*Base fixture with Lambertian distribution and flush lens (FLL)

## 50LMF INCREMENT SCALING CHART

NOMINAL LMF	LUMEN		WATTAGE	
	MULTIPLIER	MULTIPLIER	MULTIPLIER	MULTIPLIER
300LMF	0.31	0.30		
350LMF	0.36	0.35		
400LMF	0.41	0.40		
450LMF	0.46	0.45		
500LMF	0.52	0.50		
550LMF	0.57	0.54		
600LMF	0.62	0.59		
650LMF	0.67	0.64		
700LMF	0.72	0.69		
750LMF	0.76	0.75		
800LMF	0.81	0.80		
850LMF	0.86	0.85		
900LMF	0.91	0.90		
950LMF	0.96	0.95		
1000LMF	1.00	1.00		
1050LMF	1.06	1.05		
1100LMF	1.11	1.10		
1150LMF	1.16	1.17		
1200LMF	1.21	1.24		
1250LMF	1.25	1.30		
1300LMF	1.30	1.37		

\*Base fixture with 0" depth lens regress (OD), standard lambertian distribution, flush lens (FLL), and 1000LMF

## TUNABLE WHITE GAMUT AND RANGE



A Rhythm Range 6500K to 2700K

### Tunable White GPHD

- Gamut: One dimensional Warm-Cool (WC)
- Path: Single-segment 6500K to 2700K (Rhythm Range)
- Handle: Two natural language handles: Intensity and CCT
- Data: nLight with nTune technology for both handles of control

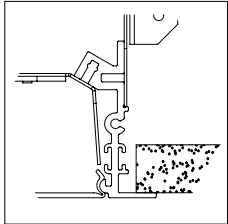
**UGR CHART**

Lumen Package	UGR (70% 50% 20% reflectance using a 4H x 8H room size)														
	Crosswise														
	OD FLL Lambertian	OD CLL Lambertian	OD DBW	OD WW	OD WG	OD DAS	OD LVRR	OD LVRRRA	OD DRP05	OD DRP1	OD DRP15	1D FLL Lambertian	1D CLL Lambertian	1D LVRR	1D LVRRRA
300LMF	21.6	21.9	20.1	19.9	19.9	18.3	15.1	10.5	19.8	18	16.7	22.1	21.7	14.9	10.3
400LMF	22.6	22.9	21.1	20.9	20.9	19.3	16.1	11.5	20.8	19	17.7	23.1	22.7	15.9	11.3
600LMF	24	24.3	22.5	22.3	22.3	20.7	17.5	12.9	22.2	20.4	19.1	24.5	24.1	17.3	12.7
800LMF	25	25.3	23.5	23.2	23.3	21.7	18.4	13.8	23.2	21.4	20	25.4	25.1	18.2	13.6
1000LMF	25.7	26	24.2	23.9	24	22.4	19.2	14.5	23.9	22.1	20.7	26.1	25.8	19	14.3
1200LMF	26.4	26.6	24.8	24.6	24.6	23	19.8	15.2	24.6	22.8	21.4	26.8	26.4	19.6	15
1300LMF	26.6	26.9	25.1	24.9	24.9	23.3	20.1	15.4	24.8	23	21.6	27	26.7	19.9	15.2
Lumen Package	Endwise														
	OD FLL Lambertian	OD CLL Lambertian	OD DBW	OD WW	OD WG	OD DAS	OD LVRR	OD LVRRRA	OD DRP05	OD DRP1	OD DRP15	1D FLL Lambertian	1D CLL Lambertian	1D LVRR	1D LVRRRA
	300LMF	22.5	21.2	20.8	20	19.1	20	14.4	5.2	22.7	23	23.1	19.5	21	14.2
400LMF	23.5	22.2	21.8	21	20.1	21	15.4	6.2	23.7	24	24.1	20.5	22	15.2	6
600LMF	24.9	23.6	23.2	22.4	21.5	22.4	16.8	7.6	25.1	25.4	25.5	21.9	23.4	16.6	7.4
800LMF	25.9	24.5	24.1	23.3	22.4	23.3	17.8	8.5	26	26.4	26.4	22.8	24.3	17.6	8.3
1000LMF	26.6	25.2	24.8	24.1	23.1	24	18.5	9.2	26.7	27.1	27.2	23.5	25	18.3	9
1200LMF	27.3	25.9	25.5	24.7	23.8	24.7	19.2	9.9	27.4	27.7	27.8	24.2	25.7	19	9.7
1300LMF	27.5	26.1	25.7	25	24	24.9	19.4	10.1	27.6	28	28.1	24.4	25.9	19.2	9.9

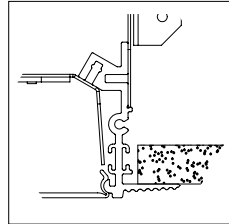
\*UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR" and/or "Point-UGR" values. To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application.

\*\*Click here for more information on: [UGR FAQ](#)

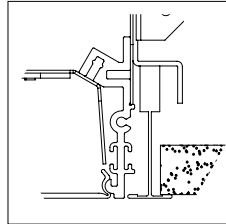
**CEILING TRIMS**



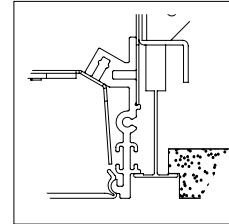
**FL**  
5/8IN Flange (sheetrock)  
Install Before Sheetrock



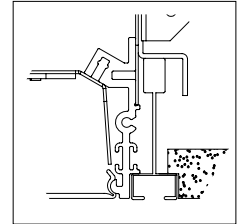
**GB**  
Gypsum Board (sheetrock)  
Install Before Sheetrock



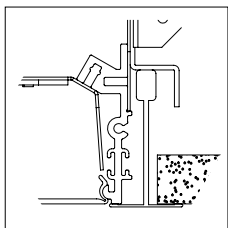
**TG**  
9/16" Flat Tee w/ Lay-in Tile



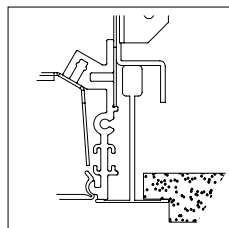
**TG**  
9/16" Flat Tee w/ Tegular Tile



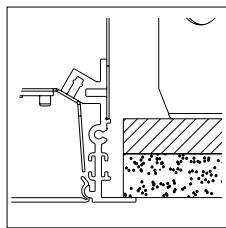
**TG**  
9/16" Slot Tee w/ Tegular Tile



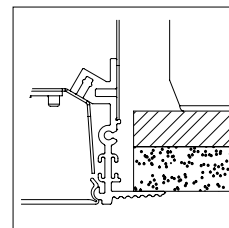
**TG**  
15/16" Flat Tee w/ Lay-in Tile



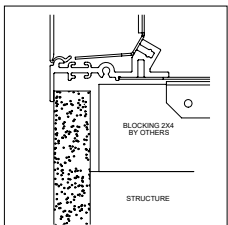
**TG**  
15/16" Flat Tee w/ Tegular Tile



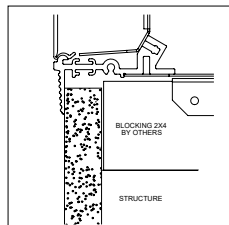
**FLINB**  
5/8IN Flange (sheetrock)  
Install From Below



**GBINB**  
Gypsum Board (sheetrock)  
Install From Below



**FLW**  
5/8IN Flange (sheetrock)  
Wall Mounted



**GBW**  
Gypsum Board (sheetrock)  
Wall Mounted

\*For compatibility with metal pans, hardwood, or other ceiling types, consult technical support.

**LINEAR PLAN**

Mark Lighting calculates a continuous run based on optimizing fixture section length and options selected.

**LOP- Linear Optimized Length**

This linear plan supplies the run length based on defined length combinations, resulting in an optimized solution with the fewest segments.

LOP	8FT	4FT	3FT
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**Total Run Length**

This system is not modular. Runs longer than 8FT will be automatically configured with left, intermediate, and right sections based on nomenclature ordered. Always order the total run length required and not individual sections.

Example: This run to be ordered as one 32FT run.

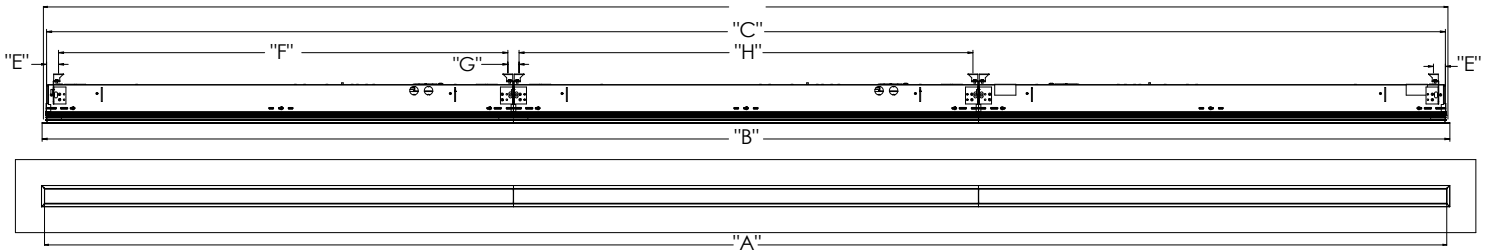
8FT	8FT	8FT	8FT
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Example: This run to be ordered as four 8FT runs. Note: Individual fixtures sections cannot be joined together in the field.

8FT	8FT	8FT	8FT
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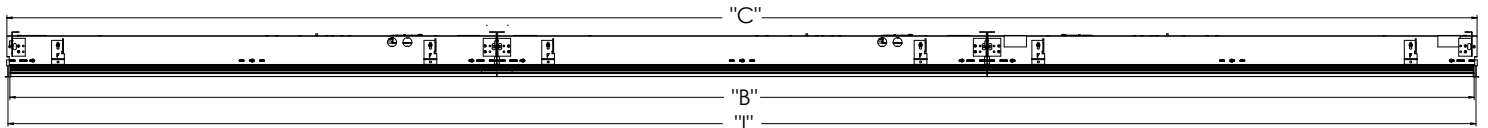
**MOUNTING**

**FL and GB Trim Run**



FL Run Configurations							
"A" (Illuminated Length)	"B" (Trim Length)	"C" (Housing Length)	"D" (Cut Opening Length)	"E" (End Mounting Location)	"F" (End Fixture Middle Mounting Point)	"G" (Mounting Point to Mounting Point)	"H" (Mounting Point to Mounting Point Intermediate Fixtures)
Order Length	Ordered Length + 15/16" (FL) + 113/16" (GB)	Order length + 9/16"	Order length + 13/16"	1 1/4"	Fixture length - 1 1/2"	1 1/16"	Fixture length - 1 1/16"

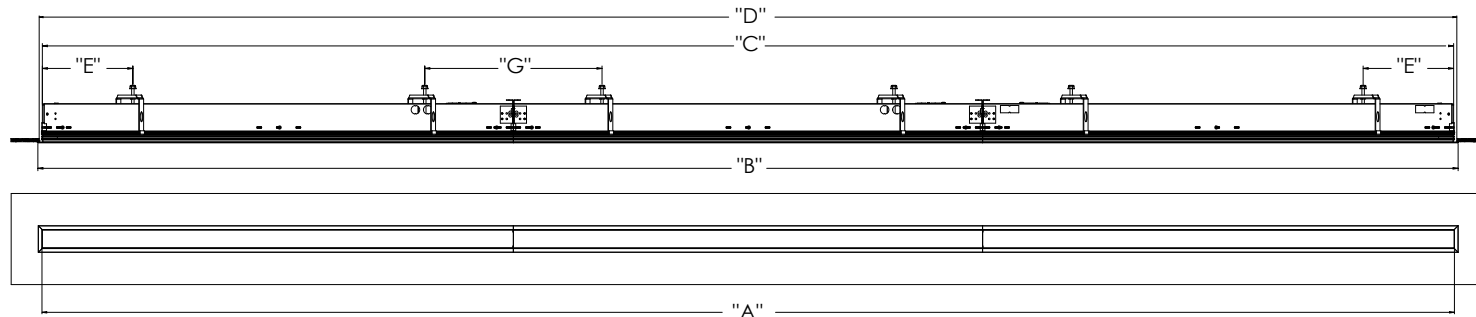
**TG Trim Run**



Grid Run Configurations			
"A" (Illuminated Length)	"B" (Trim Length)	"C" (Housing Length)	"I" (Grid Center to Center)
Order Length - 13/16"	Ordered Length - 5/8"	Order length - 1/32"	Order length + 13/16"

**MOUNTING (continued)**

**FLINB and GBINB Trim Run**



FL Run Configurations					
"A" (Illuminated Length)	"B" (Trim Length)	"C" (Housing Length)	"D" (Cut Opening Length)	"E" (End Mounting Location)	"G" (Mounting Point to Mounting Point)
Order Length	Order Length + 1 5/16"(FLINB) + 1 13/16"(GBINB)	Order length +9/16"	Order length +13/16"	6 1/4" 9 1/4"	1' 0 1/2" 1' 3 1/2" 1' 6 1/2"

**NOTE:** Dimension "E" depends on length (inconsistent across family). **NOTE:** Dimension "G" depends on fixture combination.

**Ceiling Cut Out Dimensions**

		2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot
TG	GRID CL LENGTH(IN)	24	36	48	60	72	84	96
	GRID CL WIDTH(IN)	3	3	3	3	3	3	3
FL or FLINB	LENGTH(IN)	24.813	36.813	48.81	60.813	72.813	84.81	96.813
	WIDTH(IN)	2.885	2.885	2.89	2.885	2.885	2.89	2.885
GB or GBINB	LENGTH(IN)	24.813	36.813	48.81	60.813	72.813	84.81	96.813
	WIDTH(IN)	2.885	2.885	2.89	2.885	2.885	2.89	2.885

CEILING OPENING DIMENSIONS FOR INSTALLATION, +/-0.13"

**MOUNTING (continued)**

**FIXTURE DIMENSIONS AND WEIGHTS**

			2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot	
TG	Individual	GRID CL (IN)	24	36	48	60	72	84	96	
		OVERALL LENGTH (IN)	23.375	35.375	47.375	59.375	71.375	83.375	95.375	
		HOUSING LENGTH (IN)	23.938	35.938	47.938	59.938	71.938	83.938	95.938	
		APERTURE (IN)	23.125	35.125	47.125	59.125	71.125	83.128	95.125	
	Left or Right			2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot
		GRID CL(IN)	24	36	48	60	72	84	96	
		PRODUCT LENGTH(IN)	23.688	35.688	47.688	59.688	71.688	83.688	95.688	
		HOUSING LENGTH(IN)	23.938	35.938	47.938	59.938	71.938	83.938	95.938	
		APERTURE(IN)	23.563	35.563	47.563	59.563	71.563	83.563	95.563	
	Intermediate			2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot
		GRID CL(IN)	24	36	48	60	72	84	96	
		PRODUCT LENGTH(IN)	24	36	48	60	72	84	96	
HOUSING LENGTH(IN)		23.938	35.938	47.938	59.938	71.938	83.938	95.938		
APERTURE(IN)		24	36	48	60	72	84	96		

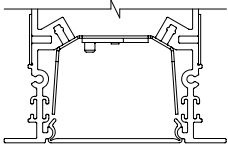
			2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot	
FL or FLINB	Individual	APERTURE(IN)	24	36	48	60	72	84	96	
		PRODUCT LENGTH(IN)	25.250	37.250	49.250	61.250	73.250	85.250	97.250	
		HOUSING LENGTH(IN)	24.563	36.563	48.563	60.563	72.563	84.563	96.563	
	Left or Right			2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot
		APERTURE(IN)	24	36	48	60	72	84	96	
		PRODUCT LENGTH(IN)	24.625	36.625	48.625	60.625	72.625	84.625	96.625	
		HOUSING LENGTH(IN)	24.250	36.250	48.250	60.250	72.250	84.250	96.250	
	Intermediate			2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot
		APERTURE(IN)	24	36	48	60	72	84	96	
		PRODUCT LENGTH(IN)	24	36	48	60	72	84	96	
		HOUSING LENGTH(IN)	23.938	35.938	47.938	59.938	71.938	83.938	95.938	

			2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot	
GB or GBINB		APERTURE(IN)	24	36	48	60	72	84	96	
		PRODUCT LENGTH(IN)	25.750	37.750	49.750	61.750	73.750	85.750	97.750	
		HOUSING LENGTH(IN)	24.563	36.563	48.563	60.563	72.563	84.563	96.563	
		APERTURE(IN)	24	36	48	60	72	84	96	
		PRODUCT LENGTH(IN)	24.875	36.875	48.875	60.875	72.875	84.875	96.875	
		HOUSING LENGTH(IN)	24.250	36.250	48.250	60.250	72.250	84.250	96.250	
				2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot
		APERTURE(IN)	24	36	48	60	72	84	96	
		PRODUCT LENGTH(IN)	24	36	48	60	72	84	96	
		HOUSING LENGTH(IN)	23.938	35.938	47.938	59.938	71.938	83.938	95.938	

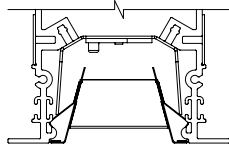
\*All values rounded to +/- 1/16"

Approximate Fixture Section Weights			2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot
		WEIGHT(LBS)	9	12	14	21	23	25	28

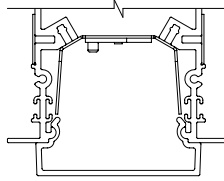
**DIRECT SHIELDING & OPTIONS**



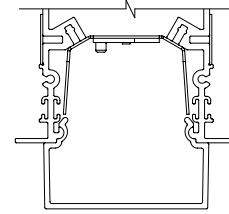
Flush Lens (FLL)  
Continuous Lens (CLL)



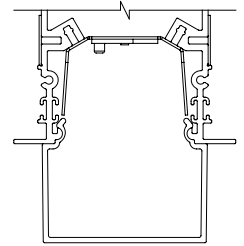
Louver (LVRRA)  
Aluminum Louver (LVRR) Painted



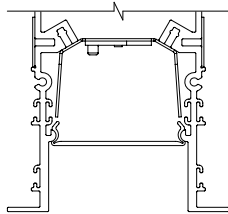
1/2" Drop Lens  
DRP05



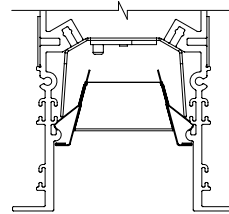
1" Drop Lens  
DRP1



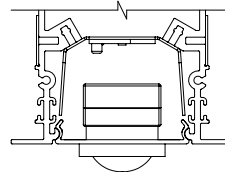
1-1/2" Drop Lens  
(DRP15)



1" Regress with  
FLL or CLL



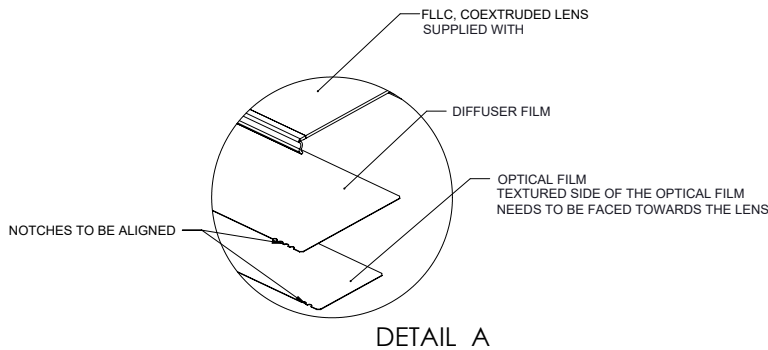
1" Regress with  
LVRRA or LVRR



Sensor

**DIRECT DISTRIBUTION**

Optical Film for DAS, DBW, WG, and WW distributions with co-extruded lens standard.  
Direction of light for DAS or WG distribution will be in the direction of the notches on the film.



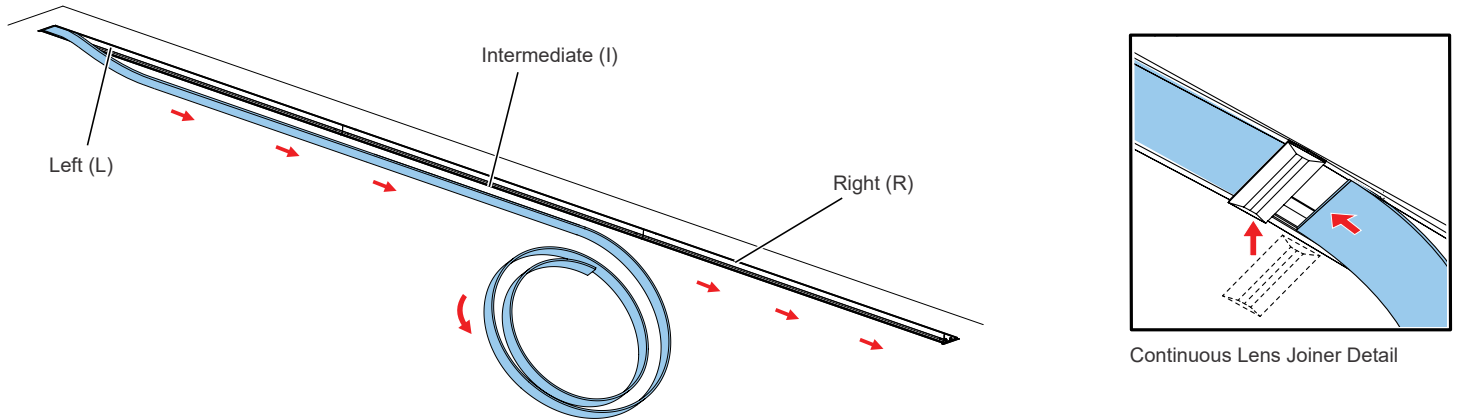
Optical Film	Number of Notches
Diffuser	4
Direct Asymmetric (DAS)	1
Direct Batwing (DBW)	2
Wall Graze (WG)	3
Wall Wash (WW)	5



When ordering distribution options, use FLL designation. FLL will automatically change to FLLC on shipped product, to designate this co-extruded lens with white and clear material.

**CONTINUOUS LENS**

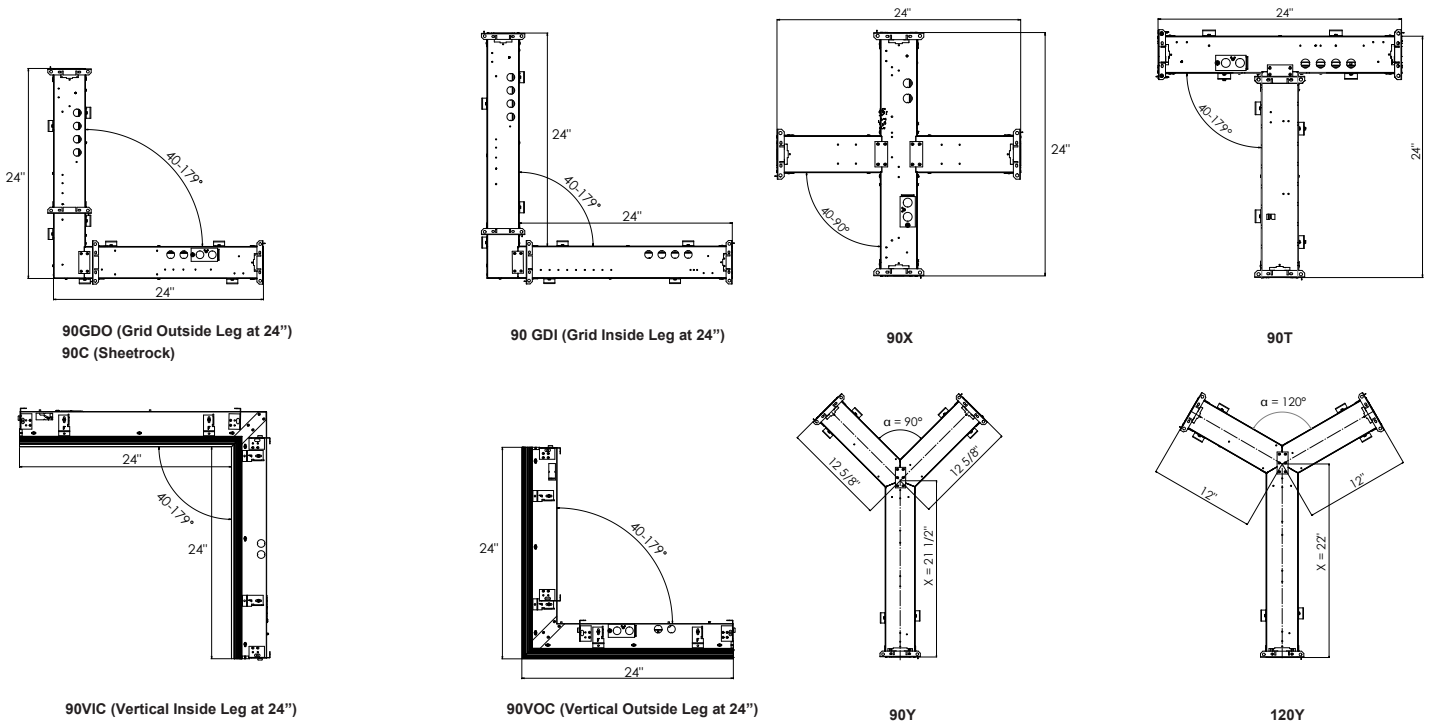
40-foot maximum uninterrupted length. From 40-foot 1/8-inch to 106-foot, visible joiner required and supplied with lens rolls. Joiner will match color of trim. Continuous lens and joiners, if required, ship separate from the fixture. Reference installation instructions for further details and steps.



**RUN PATTERNS, CORNERS, & JUNCTIONS**

Patterns can be configured in 1° increments with illuminated L (corner), X, Y, & T connectors. Standard corner has 2' leg segments. Standard L (corner) connector angles are available in 40-179 degrees in 1 degree increments. Standard T & Y connector angles are available in 40-179 degrees in 1 degree increments. Standard X connector angle available in 40-90 degrees in 1 degree increments.

See separate pattern spec sheet for more details.



**NOTE:** For Y intersections, dimension X varies depending on the angle  $\alpha$ .  
Angle  $\alpha$  can be in a range of 40-179°.

**INTELLIGENT LUMINAIRE GUIDE**

Choose nomenclature from these columns

Control / Sensor Configurations	Control Input	Sensor	Sensor*	Notes
	NLT	+ <blank>	= None	None
	NLT	+ ADC	= NES ADCX	Automatic dimming control integral photocell.
	NLT	+ PDT	= NES PDT 7	360° Dual technology integral occupancy sensor.
	NLT	+ APIR	= NES 7 ADCX	360° PIR integral occupancy sensor with automatic dimming control photocell.
	NLT	+ APDT	= NES PDT 7 ADCX	360° Dual technology integral occupancy sensor with automatic dimming control photocell.

\*Note: Only one sensor per zone allowed.

**UL924 Sequence of Operation**

The below information applies to all nLight AIR devices an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

**nLight® Wired Control Accessories**

Order as separate catalog number

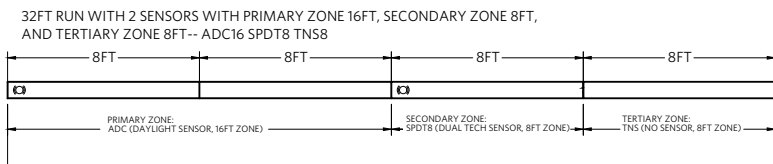
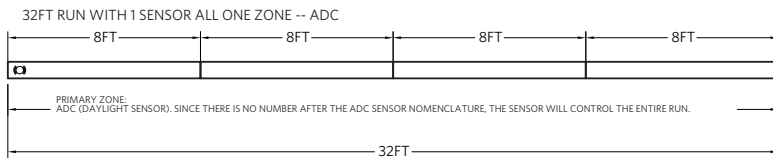
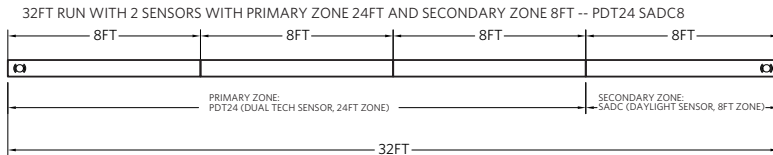
Wall Switches	Model Number
On/Off two pole & Raise/Lower CCT	<a href="#">nPODMA 2P DX CCT (color)</a>
On/Off, 4 scene control, dimming, TUWH	<a href="#">nPODMA 4S DX EDUTW (color)</a>
On/Off, 4 scene control, TUWH	<a href="#">nPODMA 4S EDUTW (color)</a>
Graphic touchscreen	<a href="#">nPOD TOUCH (color)</a>

For more information see [nPODMA](#) and [nPOD TOUCH](#) spec sheets.

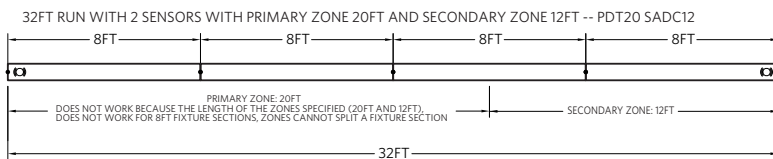
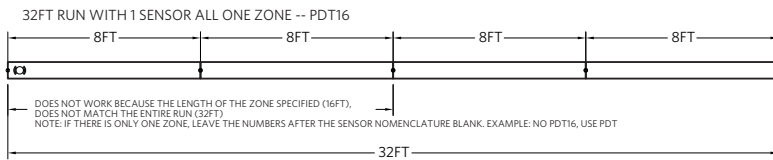
**INTEGRATED SENSOR & LAYOUT**

Only one sensor per zone allowed. At the most, the entire run can only have 2 sensors designated. Sensor zone cannot split a fixture section or overlap of zones. Sensors will be located on a Left end or Right end of fixture section. Default location for first sensor is Left end and default location for second sensor is Right end.

**CORRECT:**



**INCORRECT:**



For runs longer than 8FT:  
**ALWAYS** order the run by the **TOTAL RUN LENGTH**. Ordering the sections individually will not provide the correct joining hardware to allow connection in the field.

**OCCUPANCY DETECTION COVERAGE**

At the 7.5 ft (2.29 m) hanging height of a typical pendant mount fixture the sensor provides 10 ft (3.05 m) radial detection of small motion. At a 9 ft (2.74 m) hanging height the radius is 12 ft (3.66 m) for small motion.

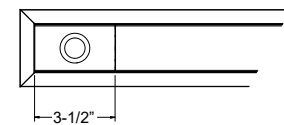
Adequate for walking motion detection from mounting heights between 7.5 ft (2.29 m) and 20 ft (6.10 m).

Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

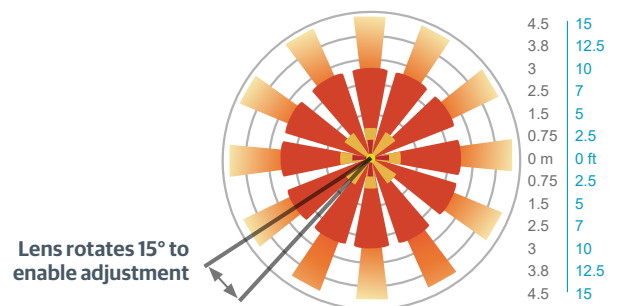
Initial detection of walking motion into long coverage segment will occur at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m). Lens assembly rotates 15° to enable adjustment in order to line up long segments.

Tested to NEMA WD 7-2011

**SENSOR & SENSOR PLATE DETAIL**



Control Input	
Sensor	NLT
ADC	NES ADCX
APDT	NES PDT 7 ADCX
APIR	NES 7 ADCX
PDT	NES PDT 7

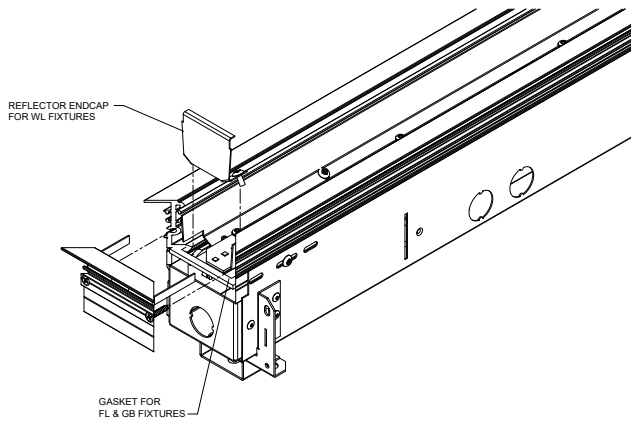


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**ADDITIONAL OPTIONS**

**Wet Location (WL)**

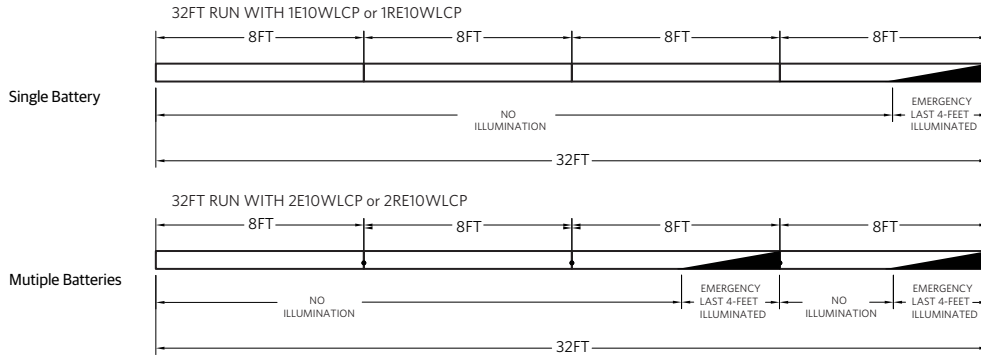
- \* Wet location fixtures can be recognized by the reflector end cap which is already installed into the fixture.
- \* Wet location fixtures are available as individual fixture sections starting at 2FT through 8FT maximum run length.
- \* Wet location is suitable for covered ceiling mount installation only, where any water exposure is from beneath the non-porous mount surface.
- \* Lens is not sealed or gasketed.



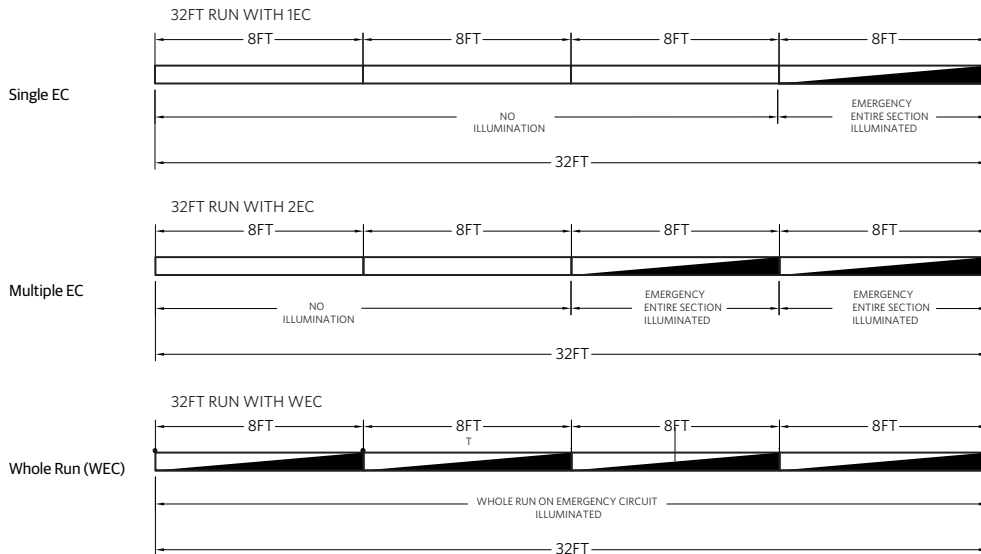
**EMERGENCY OPTIONS**

**Emergency Battery Pack**

The [PS1055LCP](#) battery is integral or remote to the fixture and comes standard with test switch and self-diagnostics. Standard emergency operation as indicated below.



**Emergency Circuits**



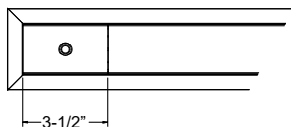
**How to Estimate Delivered Lumens in Emergency Mode (E10WLCP or RE10WLCP)**  
Use the formula below to estimate the delivered lumens in emergency mode

**Delivered Lumens = 1.25 x P x LPW**  
P = 10W for PS1055LCP  
LPW = Lumen per watt rating of the luminaire (Available on page 1 of this spec sheet or appropriate IES file.)  
(Available on page 1 of this spec sheet or appropriate IES file.)

Per tested performance data, maximum mount height of 17-foot calculated to achieve 1 footcandle (10.8 lux) of illumination below emergency battery powered fixture on the path of egress. (Based on fixture tested with 90CRI 27K LED.)

Section Length	Control Input		
	Integral (E10WLCP)	Remote (RE10WLCP)	EC
U2-U2/11.875	n/a	Entire Section Length	Entire Section Length
U3-U3/11.875	n/a	Entire Section Length	Entire Section Length
U4	Entire Section Length	Entire Section Length	Entire Section Length
U4/0.125-U4-11.875	n/a	Last 2-feet of Section Length	Entire Section Length
U5-U5/11.875	Last 3-feet of Section Length	Last 3-feet of Section Length	Entire Section Length
U6-U6/11.875	Last 3-feet of Section Length	Last 3-feet of Section Length	Entire Section Length
U7-U7/11.875	Last 4-feet of Section Length	Last 4-feet of Section Length	Entire Section Length
U8	Last 4-feet of Section Length	Last 4-feet of Section Length	Entire Section Length

**Integral Emergency Test Switch**

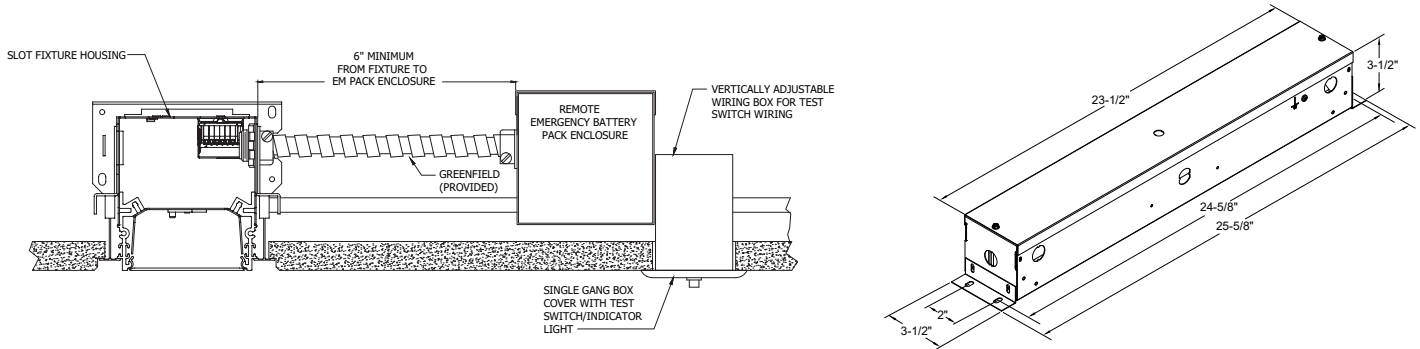


**EMERGENCY OPTIONS (Continued)**

**Remote Emergency Battery Pack**

10w linear constant power emergency LED driver is remote mounted from the luminaire. The emergency driver switches power from the normal AC driver and operates the fixture for 90 minutes in the emergency mode from the unit's battery supply. Consists of (1) emergency LED driver within (1) remote mounting enclosure, flexible conduit, test switch, indicator light, cover plate and junction box supplied.

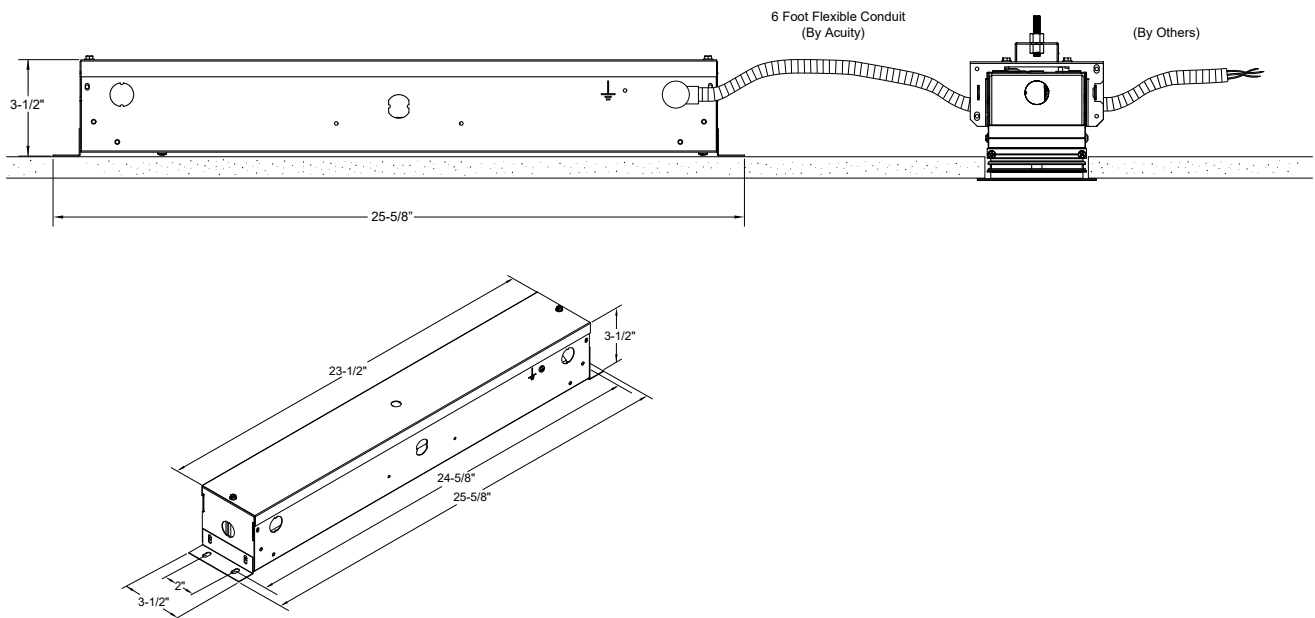
Maximum remote mounting distance from test switch to fixture not to exceed 25-feet.  
The maximum emergency remote distance recommended by the manufacturer is 25-feet with 18 AWG wires.



**Remote GTD Mounting Option**

Emergency generator transfer device is remote mounted from the luminaire. The generator transfer device senses the loss of normal AC power and switches the LED driver input power connection to an unswitched, generator (or central inverter) supplied lighting circuit bypassing the fixture wall switch. Consists of (1) emergency generator transfer device within (1) remote mounting enclosure with 6-foot long flexible conduit.

Maximum remote mounting distance is 6 feet from fixture.



## SPECIFICATIONS

### Housing

Nominal 2" x 2', 3', 4', 5', 6', 7', 8' and continuous rows in 1/8" increments starting at 2', as standard. Upper housing fabricated from cold-rolled steel with extruded aluminum ceiling trim.

### Finish

Standard colors for fixture trims are polyester powder coated white, anti-microbial white, black, or silver with satin sheen. Consult factory for custom colors or specify RAL colors from Architectural brochure.

### Reflector

Precision-formed steel; high reflectance matte white powder coat; 93% reflectivity.

### Optics (Distribution)

Wall Wash (WW), Wall Graze (WG), Direct Batwing (DBW), and Direct Asymmetric (DAS) incorporate co-extruded lenses and films.

### Lenses/Shielding

Extruded acrylic lens, (CLL, FLL). Aluminum louver with either a powder coat finish to match housing color (LVRR) or aluminum finish (LVRR). Extruded acrylic drop lens (DRP05, DRP1, DRP15).

### Mounting

Sheetrock: Recessed ceiling only to accommodate sheetrock, 1/2" minimum to 1-1/2" maximum depth for FL, GB, FLINB or GBINB trim options. Grid: To accommodate 9/16" Flat Tee with Lay-In Tile, 9/16" Flat Tee with Tegular Tile, 9/16" Slot Tee with Tegular Tile, 15/16" Flat Tee with Lay-In Tile, & 15/16" Flat Tee with Tegular Tile.

### LED Source

Multiple lumen packages available in Rhythm Range (2700K-6500K) in 90CRI. The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. Color variation of no greater than a 2.5 Step MacAdam (2.55DECM) along the black body locus from board to board.

### Electrical

Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

### Circuits

Single switching option only.

### Dimming Driver

Factory tuned constant current electronic dimming driver is standard. Flicker free dimming available down to <1%. LED drivers perform within the recommended operating areas for flicker as a function of frequency and modulation (%) IEEE Standard 1789-2015 (IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers), in typical operating conditions at representative dimming levels. Electrical specifications at maximum driver load: PF > 0.9 and THD <20%. Meets FCC Title 47 Class A or Class B. All drivers are RoHS compliant.

### Controls System Networking Options

Optional integrated nLight® controls make each fixture addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors, and photocontrols. Wired networking through standard Cat-5 cabling. (cabling "by others")

### Mainstream Dynamic with nTune Technology

This luminaire is enabled with nTune technology, meaning it has the ability to communicate digitally over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of timeclock control, remote status monitoring, and control via SensorView software.

### Emergency Battery (Optional)

Integral emergency battery (E10WLCP) for 90 minutes of operation. Emergency battery pack, 10W, Linear Constant Power Certified in CA Title 20 MAEDBS. Integrated test switch and indicator light. Remote emergency battery (RE10WLCP) for 90 minutes of operation. Emergency battery pack, 10W, Linear Constant Power Certified in CA Title 20 MAEDBS. Remote enclosure, flexible conduit, test switch, indicator light, cover plate and junction box supplied. Remote generator transfer device (GTD) works in conjunction with an auxiliary generator or a central inverter system to power fixtures for safe egress lighting.

### Ambient Operating Temperature Range

-20°C (-4° F) to +25°C (+77°F)

### Environment

Suitable for damp location. Indoor use only. Optional Wet (WL) location exterior use available with specified nomenclature.

### Certification

CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750). This product is IC rated. Optional Wet (WL) location listing available with specified nomenclature. Wet location listing is suitable for covered ceiling mount installation only, where any water exposure is beneath the non-porous mount surface.

### Fixture Weight

Approximately 4.0 lbs per foot, less packaging.

### Government Procurement

BAA - Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA - Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Notes:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25°C.

Specifications subject to change without notice