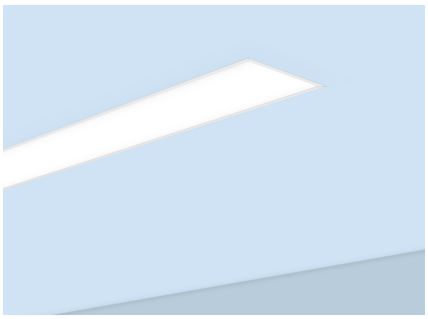
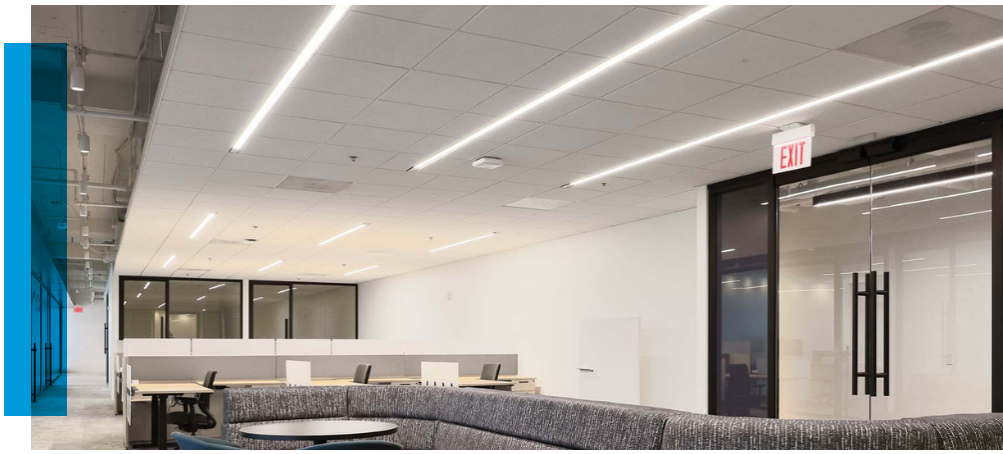
MARK ARCHITECTURAL LIGHTING

SPECIFICATIONS

TYPE:

PROJECT:





SLOT 2

RECESSED

HIGHLIGHTS

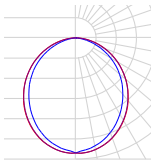
- 300 to 1300 lumens per foot Direct
- Two lens depths: 0D (Flush) and 1D (1" Regress)
- 5 direct distributions: Lambertian, Batwing, Wall Wash, Wall Graze, or Asymmetric
- Multiple lens treatment options: Continuous Flush and Drop in 1/2", 1", or 1-1/2" depths
- Shielding provided by optional louver
- Optional integrated downlight options
- Integrated control with optional nLight® or nLight Air® for system networking
- Driver options for Dim to Dark, 1% or 10% minimum dimming
- White, black or silver paint with satin finish
- UGR data available on page 4

FIXTURE PERFORMANCE

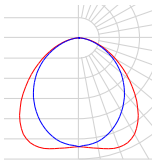
	Direct						
Nominal Lumens/Foot	300LMF	400LMF	600LMF	800LMF	1000LMF	1200LMF	1300LMF
Delivered Lumens/Foot	283	377	565	742	913	1101	1184
Input Watts/Foot	2.58	3.40	5.04	6.78	8.50	10.50	11.65
Lumens/Watt	110	111	112	109	107	105	102

Based on a 4FT 90CRI 35K fixture with 0" depth lens regress (OD), standard lambertian distribution, and flush lens (FLL)

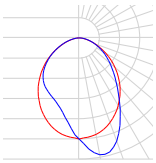
DIRECT DISTRIBUTION



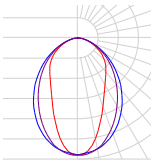
Lambertian (no optic)



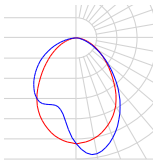
Batwing (DBW)



Wall Wash (WW)



Wall Graze (WG)

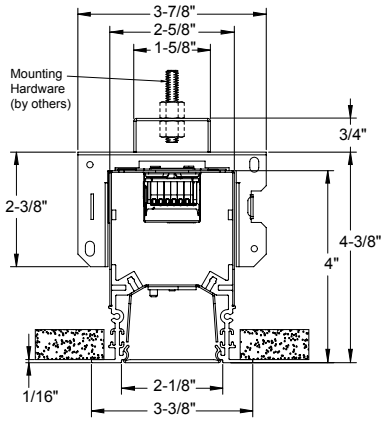


Asymmetric (DAS)

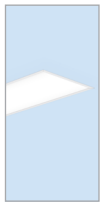
DIMENSIONS

Section View

FL Trim with OD Lens Regress



DIFFUSERS/SHIELDING



Flush Lens (FLL)

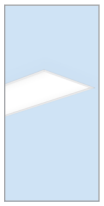
Louver (LVRR) Painted to Match Fixture Trim

Louver (LVRRA) Natural Aluminum

1/2" Drop Lens (DRP05)

1" Drop Lens (DRP1)

1-1/2" Drop Lens (DRP15)



Continuous Lens (CLL) *40-foot maximum uninterrupted length

MARK ARCHITECTURAL LIGHTING™

Slot 2
Recessed

ORDERING

Example: S2RD LOP 6FT9.375 1D FL 90CRI 40K 400LMF SCT MIN10 CLL MVOLT WHTT 1EC ZT

Series
- **S2RD** Slot 2 Recessed Direct

Linear Plan
- **LOP** Optimized Length

Total Run Length
- **_FT_** Specify continuous linear feet to nearest 1/8" increments starting at 2FT (Example 24' – 6 1/8" = 24FT6.125)
- **_FT**[1] Specify continuous linear feet to whole foot increments starting at 2FT (Example: 24' = 24FT)

Unit length may affect available options.

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.

1. Use whole foot increment when using _DL, DRP05, DRP1, DRP15, LVRR, LVRRA, sensors, or zoning options.

Lens Regress Depth
- **OD** 0" Depth
- **1D**[1,2,3,4] 1" Depth

1. Available with FLL, CLL, LVRR, or LVRRA Optional Shielding only.
2. Not available with Direct Distribution options.
3. Not available with Secondary Light Source.
4. Not available with FLINB or GBINB

Ceiling Type
- **FL** 5/8IN Flange (sheetrock)
- **GB** Gypsum Board (sheetrock)
- **FLINB** 5/8IN Flange (sheetrock) Install From Below
- **GBINB** Gypsum Board (sheetrock) Install From Below
- **TG** 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
- **FLW**[1] 5/8IN Flange (sheetrock) Wall Mounted
- **GBW**[1] 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.

Direct Light Source Color Rendering
- **90CRI** 90CRI

Direct LED Color Temperature
- **27K** 2700K
- **30K** 3000K
- **35K** 3500K
- **40K** 4000K
- **50K** 5000K

Direct LED Light Output
- **300LMF** 300 Lumens per Foot
- **400LMF** 400 Lumens per Foot
- **600LMF** 600 Lumens per Foot
- **800LMF** 800 Lumens per Foot
- **1000LMF** 1,000 Lumens per Foot
- **1200LMF** 1,200 Lumens per Foot
- **1300LMF** 1,300 Lumens per Foot
- **_LMF** Specify Lumens between 300LMF and 1300LMF in 50LMF increments

Direct Distribution[1,2]
- **<blank>** Lambertian
- **DAS** Direct asymmetric distribution
- **DBW** Direct Batwing Distribution
- **WG** Wall Graze Distribution
- **WW** Wall Wash

1. Direct Distribution options are only available with FLL Direct Shielding and OD Lens Regress Depth option.
2. DAS, WG, and WW not available with downlight Secondary Light Source.

Secondary Light Source[1,2,3]
- **<blank>** No Downlight Option
- **_DL** LED downlights per run

(Example: 4DL = Four quantity downlights in run)

1. Not available with sensors or emergency in same fixture length.
2. Downlights not available in fixture lengths from 2FT through 3FT11.875
3. Available with maximum 1100LMF for complete linear run.

Secondary Light Source Color Rendering
- **<blank>** No Downlight Option
- **S80CRI** 80CRI

Secondary LED Color Temperature
- **<blank>** No Downlight Option
- **S27K** 2700K
- **S30K** 3000K
- **S35K** 3500K
- **S40K** 4000K

Secondary Light Source Lumen Output
- **<blank>** No Downlight Option
- **S370LM** 350LM (1x2 cell Linear Horizontal)

Secondary Light Source Distribution
- **<blank>** No Downlight Option
- **S25DEG** 25 Degrees
- **S50DEG** 50 Degrees

Secondary Light Source Baffle Color
- **<blank>** No Downlight Option
- **WBL** White
- **BSBL** Black Specular
- **CSBL** Clear Specular

Switching
- **SCT** Single Circuit
- **DCT**[1] Double Circuit

1. Required when downlights are required

Minimum Dimming Level
- **DARK** Constant Current, Dimming to 0.1%
- **MIN1**[2] Constant Current, Dimming to 1%
- **MIN10**[2] Constant Current, Dimming to 10%
- **NODIM**[1,2] Non Dimming

1. Not available with Control Input or Sensors
2. Not available with DALI.

Optional Shielding
- **CLL**[3,6] Continuous Flush Lens
- **DRP05**[1,2,5] Drop Lens 1/2IN
- **DRP1**[1,2,5] Drop Lens 1IN
- **DRP15**[1,2,5] Drop Lens 1 1/2IN
- **FLL**[4] Flush Lens
- **LVRR**[1,2] Louver (painted same finish color as housing)
- **LVRRA**[1,2] Natural Aluminum Louver

1. Not available with TG trim, downlights, NLTAIR2, 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
- **MVOLT** 120-277V
- **120**[3] 120V
- **277**[3] 277V
- **347**[1,2] 347V

1. Available with NODIM, MIN1, or MIN10 dimming and ZT.
2. Only available with ZT Control Input.
3. Not available with E10WLCP, RE10WLCP, or GTD.
4. Required with GTD.

Finish
- **WHTT** White (Satin)
- **AMF** Antimicrobial White
- **BLKT** Black (Satin)
- **SLVT** Silver (Satin)
- **RALTBD**[1] RAL Paint Finish

1. RALTBD is for pricing only. Replace with applicable RAL number & sheen when placing order

Emergency Options
- **<blank>** No Emergency Option
- **_E10WLCP**[1,4] Total number of 10W Battery Packs, Constant Power, Self Diagnostic, T20 Compliant
- **_RE10WLCP** Total Number of Remote 10W Battery Packs, Constant Power, Self Diagnostics, T20 Compliant
- **_EC** Total Number of Emergency Circuits
- **GTD**[3] Generic Transfer Device
- **WEC**[2] EC Circuit for Entire Run

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, LVRRA, DRP05, DRP1, or DRP15 options.
2. WEC is not available with NLIGHT, NLTAIR2, or sensors.
3. GTD is remote mounted, not available with DRP05, DRP1, DRP15, or CP options, and requires 120 or 277 voltage specified.
4. Available with maximum 1100LMF for complete linear run.

Control Input
- **<blank>** Non-Dimming
- **ZT** 0-10V
- **DALI**[1,2] DALI
- **NLIGHT** nLight Wired
- **NLTAIR2**[3,4] nLight AIR 2 Wireless Enabled

1. Only available with DARK.
2. Not available with with sensor.
3. NLTAIR2 can be used as a normal power sensing device for nLight Air devices and luminaires with EM emergency options. It is not available with WL.
4. Not available with Downlights

Primary Sensor or Zone[1,4]
- **<blank>** No Sensor or Primary Zone Option
- **NS_** Primary Zone with No Sensor (Specify zone length in feet.)
- **ADC_**[2] Daylight Dimming Sensor with Primary Zone Length (Specify zone length in feet.)
- **PDT_**[2] Dual Technology Occupancy Sensor, PIR and Microphonics Sensor with Primary Zone Length (Specify zone length in feet.)
- **APIR_**[3] Passive Infrared Occupancy and Daylight Dimming Sensor (Specify zone length in feet.)
- **APDT_**[3] Dual Technology Occupancy and Daylight Dimming Sensor (Specify zone length in feet.)

1. Available in whole foot run with OD and FLL or CLL.
2. Available with ZT or NLIGHT Control Input.
3. Available with ZT, NLIGHT, or NLTAIR2 Control Input.
4. Available with FLINB & GBINB in maximum 800LMF

Secondary Sensor or Zone[1,4]
- **<blank>** No Sensor or Secondary Zone Option
- **SNS_** Secondary Zone with No Sensor (Specify zone length in feet.)
- **SADC_**[2] Daylight Dimming Sensor, Secondary Zone (Specify zone length in feet.)
- **SPDT_**[2] Dual Technology Occupancy Sensor, PIR and Microphonics Sensor, Secondary Zone (Specify zone length in feet.)
- **SAPIR_**[3] Passive Infrared Occupancy and Daylight Dimming Sensor, Secondary Zone (Specify zone length in feet.)
- **SAPDT_**[3] Dual technology occupancy and daylight dimming sensor, Secondary Zone (Specify zone length in feet.)

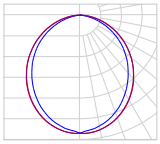
1. Available in whole foot run with OD and FLL or CLL.
2. Available with ZT or NLIGHT Control Input.
3. Available with ZT, NLIGHT, or NLTAIR2 Control Input.
4. Available with FLINB & GBINB in maximum 800LMF

Tertiary Zone Indicator
- **<blank>** No Tertiary Zone
- **TNS_** Tertiary Zone (Specify zone length in feet.)

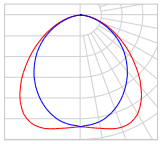
Options
- **<blank>** No Options
- **PWS** 6' Pre-Wire, 18 Gauge, 3/8" Diameter
- **WL**[1,2,3,4,5,6,7] Wet Location
- **CP**[5] Chicago Plenum
- **BAA** Buy America(n) Act and/or Build America Buy America Qualified

1. Lens is not sealed or gasketed.
2. Not available with downlight, sensor options, or PWS.
3. Not available for vertical surface installation.
4. Available as individual fixture sections, starting at 2FT through 8FT maximum run length..
5. Not available with NLTAIR2 option.
6. Not available with downlights.
7. Not available with E10WLCP.

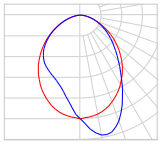
PHOTOMETRICS



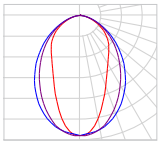
Test Report: ISF25 000625AP2247
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF STD FLL
Lumens: 3653
Wattage: 34.00
Efficacy: 107.45



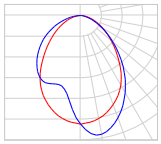
Test Report: ISF25 000847P291
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF DBW FLLC
Lumens: 3262
Wattage: 34.00
Efficacy: 95.94



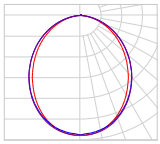
Test Report: ISF25 000845AP291
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF WW FLLC
Lumens: 3022
Wattage: 34.00
Efficacy: 88.89



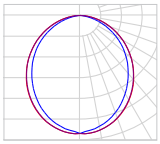
Test Report: ISF25 000844P291
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF WG FLLC
Lumens: 2907
Wattage: 34.00
Efficacy: 85.50



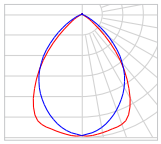
Test Report: ISF25 000846AP291
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF DAS FLLC
Lumens: 3538
Wattage: 34.00
Efficacy: 104.08



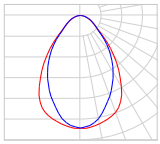
Test Report: ISF25 000843P1090
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF STD CLL
Lumens: 3627
Wattage: 34.00
Efficacy: 106.68



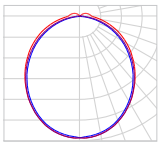
Test Report: ISF25 000770P291
IES LM79-08
Catalog #: S2RD 4FT 1D 90CRI 35K 1000LMF STD FLL
Lumens: 3449
Wattage: 34.00
Efficacy: 101.45



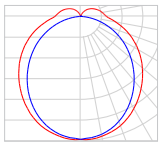
Test Report: ISF25 000849P291
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF STD LVRRA
Lumens: 1367
Wattage: 34.00
Efficacy: 40.20



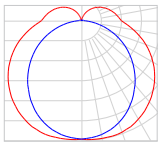
Test Report: ISF25 000848P291
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF STD LVRR
Lumens: 1602
Wattage: 34.00
Efficacy: 47.12



Test Report: ISF25 000840P291
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF STD DRP05
Lumens: 3864
Wattage: 34.00
Efficacy: 113.65



Test Report: ISF25 000841P291
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF STD DRP1
Lumens: 3933
Wattage: 34.00
Efficacy: 115.68



Test Report: ISF25 000842P291
IES LM79-08
Catalog #: S2RD 4FT OD 90CRI 35K 1000LMF STD DRP15
Lumens: 3954
Wattage: 34.00
Efficacy: 116.30

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

CCT SCALING CHART

CCT	CRI	MULTIPLIER	R9
27K	90CRI	0.9444	54.61
30K	90CRI	0.9722	69.01
35K	90CRI	1.0000	83.41
40K	90CRI	1.0278	91.19
50K	90CRI	1.0278	90.86

Lumen scaling charts can be used to approximate the lumen values at different Kelvin temperatures, color rendering indices, optics, or sheilding.

Example: Calculating the lumen change from 90CRI 35K to 90CRI 40K = Lumen output for S2RD 4FT OD 90CRI 35K 1000LMF STD FLL (3653) x 1.0278 multiplier = 3755 lumen

REGRESS DEPTH SCALING CHART

LENS REGRESS DEPTH	MULTIPLIER
0D	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
LVRRA	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

	LUMEN	WATTAGE
NOMINAL LMF	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

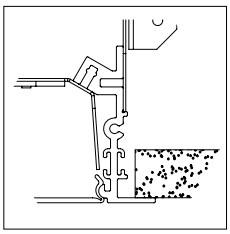
**Base fixture with 0" depth lens regress (OD), standard lambertian distribution, flush lens (FLL), and 1000LMF*

UGR CHART

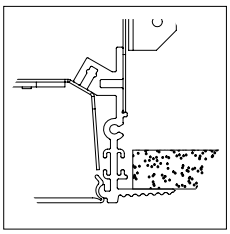
Lumen Package	UGR (70% 50% 20% reflectance using a 4H x 8H room size)														
	Crosswise														
	OD FLL Lambertian	OD CLL Lambertian	OD DBW	OD WW	OD WG	OD DAS	OD LVRR	OD LVRRA	OD DRP05	OD DRP1	OD DRP15	1D FLL Lambertian	1D CLL Lambertian	1D LVRR	1D LVRRA
300LMF	21.6	21.9	20.1	19.9	19.9	18.3	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
	Endwise														
	OD FLL Lambertian	OD CLL Lambertian	OD DBW	OD WW	OD WG	OD DAS	OD LVRR	OD LVRRA	OD DRP05	OD DRP1	OD DRP15	1D FLL Lambertian	1D CLL Lambertian	1D LVRR	1D LVRRA
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	5
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

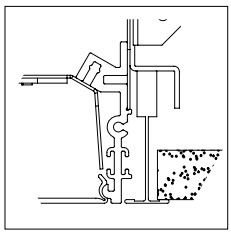
CEILING TRIMS



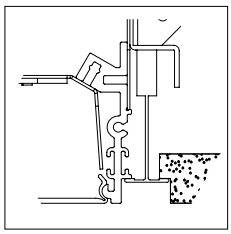
FL
5/8IN Flange (sheetrock)
Install Before Sheetrock



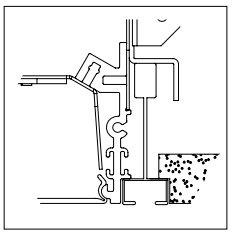
GB
Gypsum Board (sheetrock)
Install Before Sheetrock



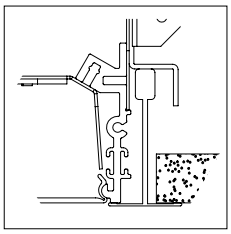
TG
9/16" Flat Tee w/ Lay-in Tile



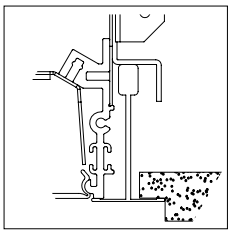
TG
9/16" Flat Tee w/ Tegular Tile



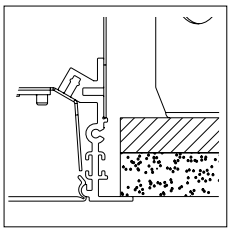
TG
9/16" Slot Tee w/ Tegular Tile



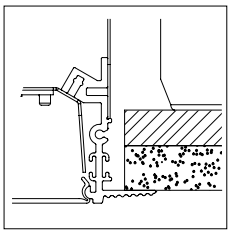
TG
15/16" Flat Tee w/ Lay-in Tile



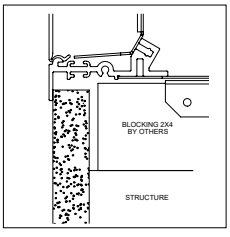
TG
15/16" Flat Tee w/ Tegular Tile



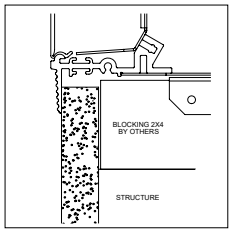
FLINB
5/8IN Flange (sheetrock)
Install From Below



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

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.

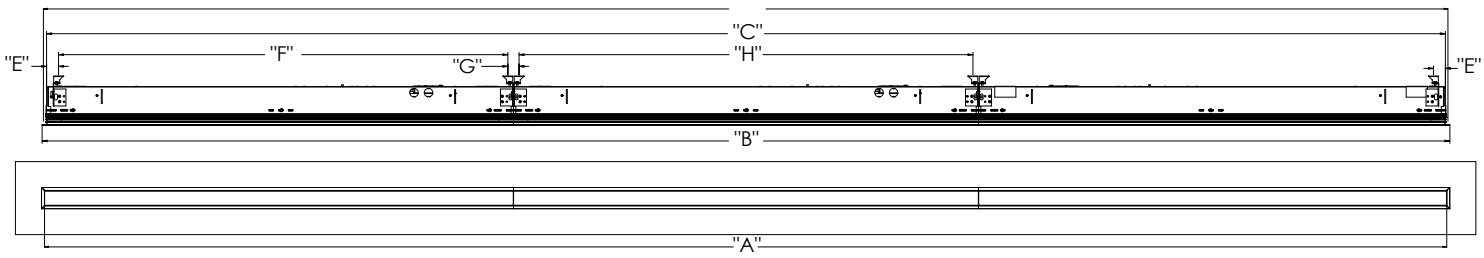
8FT	8FT	8FT	8FT

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

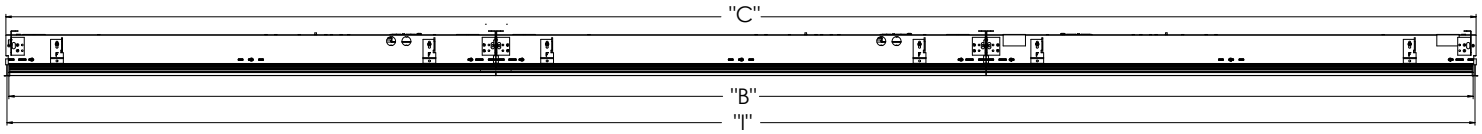
MOUNTING

FL and GB Trim Run



FL Run Configurations							
"A" (Illuminated Lenth)	"B" (Trim Length)	"C" (Housing Lenth)	"D" (Cut Opening Lenth)	"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 + 1 5/16" (FL) + 1 13/16" (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"

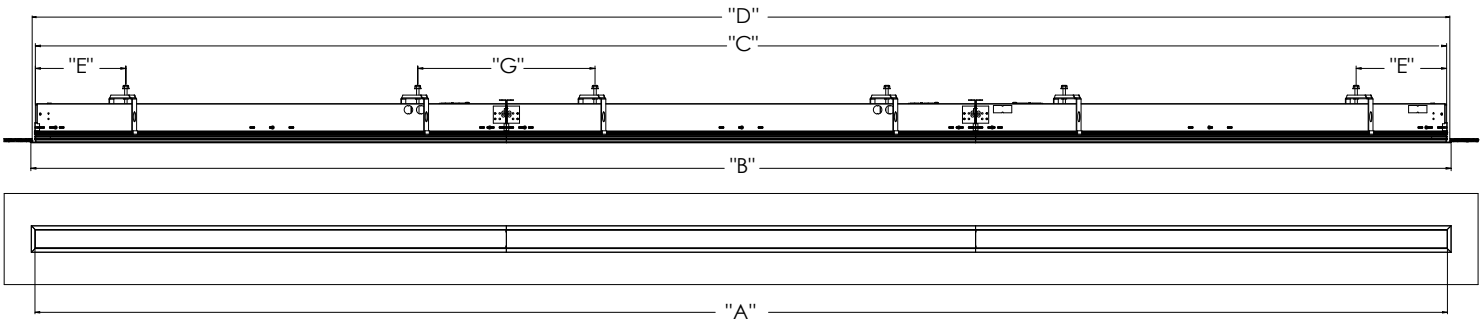
TG Trim Run



Grid Run Configurations			
"A" (Illuminated Lenth)	**"B" (Trim Length)**	**"C" (Housing Lenth)**	**"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

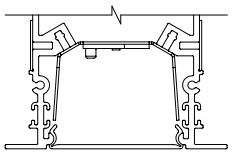
			2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	8-Foot
FL or FLINB	Individual	APERTURE(IN)	24	36	48	60	72	84	96
		PRODUCT LENGTH(IN)	25.250	37.250	49.250	61.250	73.250	85.250	97.250
		HOUSING LENGTH(IN)	24.563	36.563	48.563	60.563	72.563	84.563	96.563
	Left or Right		2-Foot	3-Foot	4-Foot	5-Foot	6-Foot	7-Foot	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

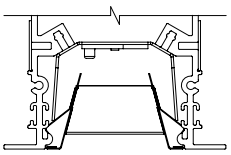
*All values rounded to +/- 1/16"

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

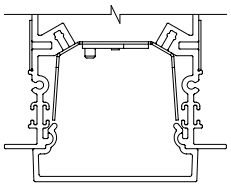
DIRECT SHIELDING & OPTIONS



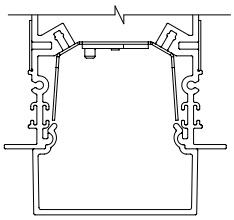
Flush Lens (FLL)
Continuous Lens (CLL)



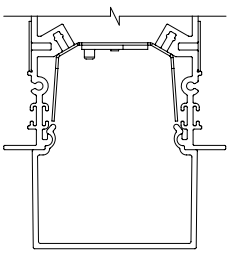
Louver (LVRRA)
Aluminum Louver
(LVRR) Painted



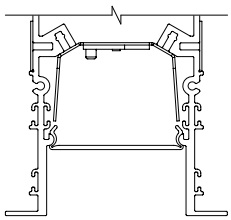
1/2" Drop Lens
DRP05



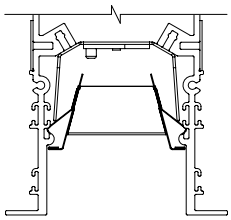
1" Drop Lens
DRP1



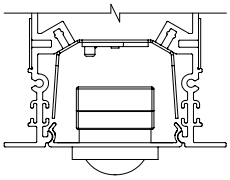
1-1/2" Drop Lens
(DRP15)



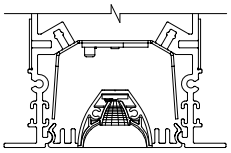
1" Regress with
FLL or CLL



1" Regress with
LVRRA or LVRR



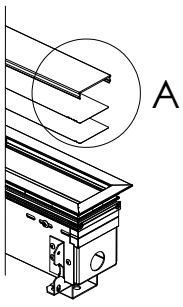
Sensor

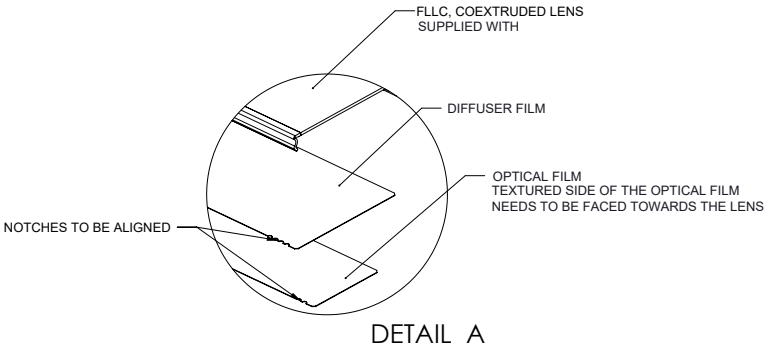


Downlight

DIRECT DISTRIBUTION

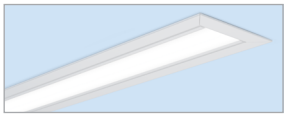
Optical Film for DAS, DBW, WG, and WW distributions with co-extruded lens standard.
Direction of light for DAS or WG distribution will be in the direction of the notches on the film.





DETAIL A

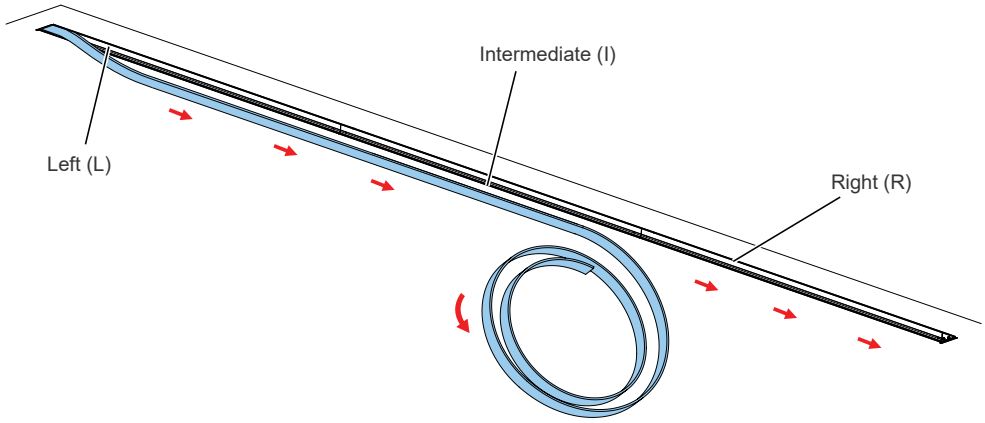
Optical Film	Number of Notches
Diffuser	4
Direct Asymmetric (DAS)	1
Direct Batwing (DBW)	2
Wall Graze (WG)	3
Wall Wash (WW)	5

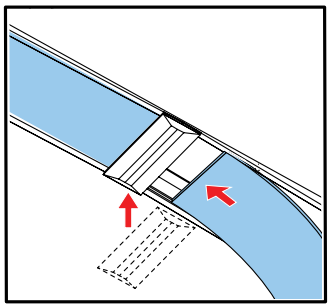


When ordering distribution options, use FLL designation. FLL will automatically change to FLLC on shipped product, to designate this co-extruded lens with white and clear material.

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.



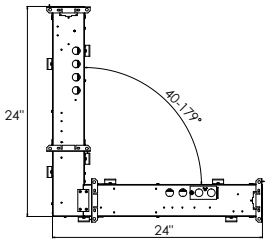


Continuous Lens Joiner Detail

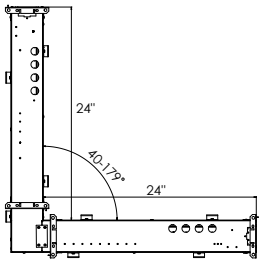
RUN PATTERNS, CORNERS,& JUNCTIONS

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.

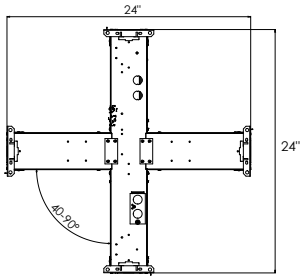
See separate pattern spec sheet for more details.



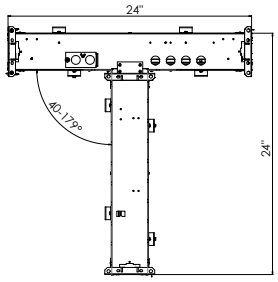
90GDO (Grid Outside Leg at 24")
90C (Sheetrock)



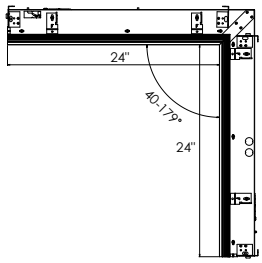
90 GDI (Grid Inside Leg at 24")



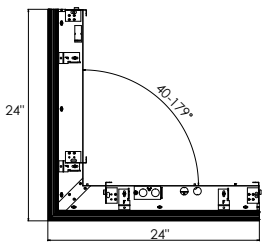
90X



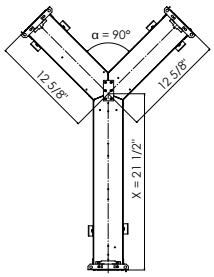
90T



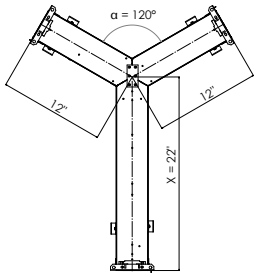
90VIC (Vertical Inside Leg at 24")



90VOC (Vertical Outside Leg at 24")



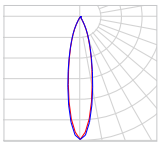
90Y



120Y

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

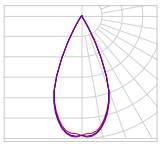
DOWNLIGHT PHOTOMETRY



Test Report: 19-626-02P33
IES LM79-08
Catalog #: S2RD DWNLTONLY 1DL S80CRI S35K S370LM S25DEG
Lumens: 357
Wattage: 4.90
Efficacy: 72.86

Illuminance at a Distance

Height(ft)	Center Beam Footcandle	Beam Spread(ft) Horizontal	Vertical	Field Spread(ft) Horizontal	Vertical
4	99.20 fc	1.6	1.6	3.8	3.9
8	24.80 fc	3.2	3.3	7.6	7.7
12	11.02 fc	4.8	4.9	11.5	11.6
16	6.20 fc	6.4	6.6	15.3	15.5
20	3.97 fc	8	8.2	19.1	19.3
		Beam Angle		Field Angle	
		22.5°	23.3°	51.0°	51.6°



Test Report: 19-626-02P33
IES LM79-08
Catalog #: S2RD DWNLTONLY 1DL S80CRI S35K S370LM S50DEG
Lumens: 374
Wattage: 4.90
Efficacy: 76.33

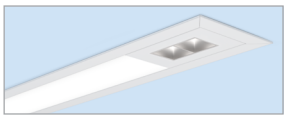
Illuminance at a Distance

Height(ft)	Center Beam Footcandle	Beam Spread(ft) Horizontal	Vertical	Field Spread(ft) Horizontal	Vertical
4	45.08 fc	3.4	3.4	4.8	4.8
8	11.27 fc	6.8	6.8	9.5	9.5
12	5.01 fc	10.2	10.2	14.3	14.3
16	2.82 fc	13.6	13.7	19.1	19
20	1.80 fc	17	17.1	23.8	23.8
		Beam Angle		Field Angle	
		46.0°	46.2°	61.5°	61.4°

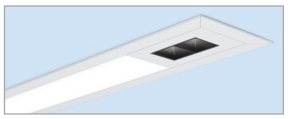
DOWNLIGHT CCT SCALING CHART

CCT	CRI	MULTIPLIER
S27K	S80CRI	0.97
S30K	S80CRI	1.00
S35K	S80CRI	1.01
S40K	S80CRI	1.02

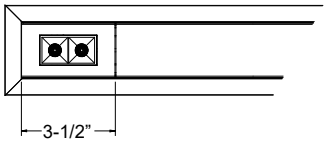
S370LM = 1 Row X 2 Cell Configuration

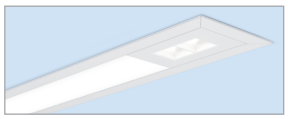


CSBL (Clear Specular Baffle Color)



BSBL (Black Specular Baffle Color)



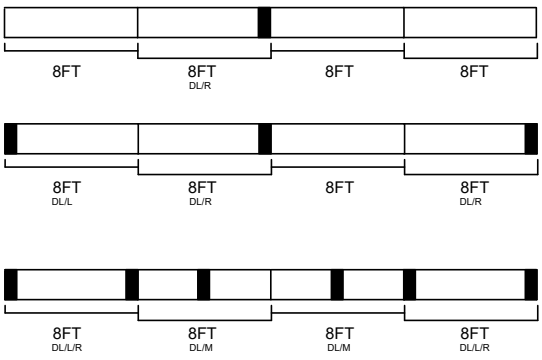


WBL (White Baffle Color)

DOWNLIGHT POSITIONING

Standard Downlight Placement per Fixture Section Length	
4-Foot and 5 Foot	6-Foot, 7-Foot, and 8-Foot
DL/L = Downlight on Left End	DL/L = Downlight on Left End
DL/R = Downlight on Right End	DL/R = Downlight on Right End
DL/L/R = Downlight on Both Ends	DL/M = Downlight in Middle
	DL/L/R = Downlight on Both Ends
	DL/L/R/M = Downlight on Both Ends and in Middle

Note: Minimum of 3-foot on-center spacing required.



INTELLIGENT LUMINAIRE GUIDE

Choose nomenclature from these columns

Driver Configuration (MVOLT)

Minimum Dimming Level	Control Input	Dimming Range	Driver	Notes
NODIM	(blank)		eldoLED Optotronic Oti 30/50/85	No control leads from driver
MIN10	ZT	100% to 10%	eldoLED Optotronic Oti 30/50/85	Linear (LIN) Dimming, supplied with leads for 0-10V control
MIN1	ZT	100% to 1%	eldoLED Optotronic Oti 30/50/85	Linear (LIN) Dimming, supplied with leads for 0-10V control
DARK	ZT	100% to 0.1%	eldoLED SOLODrive 30/50/75	Logarithmic (LOG) Dimming, supplied with leads for 0-10V control
MIN10	NLIGHT	100% to 10%	eldoLED SOLODrive 30/50/75	Linear (LIN) Dimming, internal NIO EZ PH J100 included with luminaire*
MIN1	NLIGHT	100% to 1%	eldoLED SOLODrive 30/50/75	Linear (LIN) Dimming, internal NIO EZ PH J100 included with luminaire*
DARK	NLIGHT	100% to 0.1%	eldoLED SOLODrive 30/50/75	Logarithmic (LOG) Dimming, internal NIO EZ PH J100 included with luminaire*
MIN10	NLTAIR2	100% to 10%	eldoLED SOLODrive 30/50/75	Linear (LIN) Dimming, internal RIO ZTS EXT900 ACWH 90D G2 included with luminaire*
MIN1	NLTAIR2	100% to 1%	eldoLED SOLODrive 30/50/75	Linear (LIN) Dimming, internal RIO ZTS EXT900 ACWH 90D G2 included with luminaire*
DARK	NLTAIR2	100% to 0.1%	eldoLED SOLODrive 30/50/75	Logarithmic (LOG) Dimming, internal RIO ZTS EXT 900 ACWH 90D G2 included with luminaire*
DARK	DALI	100% to 0.1%	eldoLED SOLODrive 30/50/75	Logarithmic (LOG) Dimming, DALI controls by others

Driver Configuration (347)

NODIM	(blank)		eldoLED Optotronic Oti 30/50/87	No control leads from driver
MIN1	ZT	100% to 1%	eldoLED Optotronic Oti 30/50/88	Linear (LIN) Dimming, supplied with leads for 0-10V control
MIN10	ZT	100% to 10%	eldoLED Optotronic Oti 30/50/89	Linear (LIN) Dimming, supplied with leads for 0-10V control

*Note: Only one nLight device (rIO/nIO) per zone allowed.

Choose nomenclature from these columns

Control / Sensor Configurations

Control Input	Sensor	Sensor*	Notes
ZT	ADC	MSD EZ ADC	Automatic dimming control integral photocell
ZT	PDT	MSD PDT 7 EZ	Dual technology integral occupancy sensor.
ZT	APIR	MSD 7 EZ ADC	PIR integral occupancy sensor with automatic dimming control photocell.
ZT	APDT	MSD PDT 7 EZ ADC	Dual technology integral occupancy sensor with automatic dimming control photocell.
NLIGHT	ADC	NES ADCX	Automatic dimming control integral photocell. nLight enabled.
NLIGHT	PDT	NES PDT 7	360° Dual technology integral occupancy sensor. nLight enabled.
NLIGHT	APIR	NES 7 ADCX	360° PIR integral occupancy sensor with automatic dimming control photocell. nLight enabled.
NLIGHT	APDT	NES PDT 7 ADCX	360° Dual technology integral occupancy sensor with automatic dimming control photocell. nLight enabled.
NLTAIR2	ADC	None	Not currently available
NLTAIR2	PDT	None	Not currently available
NLTAIR2	APIR	RES7 ZTS EXT900 ACWH 90D G2	PIR integral occupancy sensor with automatic dimming control photocell. nLight AIR enabled.
NLTAIR2	APDT	RES7 PDT ZTS EXT900 ACWH 90D G2	Dual technology integral occupancy sensor with automatic dimming control photocell. nLight AIR enabled.
DALI	None	None	No sensors compatible with DALI

*Note: Only one sensor per zone allowed.

INTELLIGENT LUMINAIRE GUIDE (continued)

Choose nomenclature from these columns

Downlight Driver Configuration (MVOLT)

Minimum Dimming Level	Control Input	Downlight	Driver	Notes
(blank)	NODIM	S370LM	eldoLED Optotronic Oti 30/50	No control leads from driver, 1x2 Aculux Lini Module
(blank)	NODIM	S740LM	eldoLED Optotronic Oti 30/50	No control leads from driver, 2x2 Aculux Lini Module
ZT	MIN10	S370LM	eldoLED Optotronic Oti 30/50	Linear (LIN) Dimming, supplied with leads for 0-10V control, 1x2 Aculux Lini Module
ZT	MIN10	S740LM	eldoLED Optotronic Oti 30/50	Linear (LIN) Dimming, supplied with leads for 0-10V control, 2x2 Aculux Lini Module
ZT	MIN1	S370LM	eldoLED Optotronic Oti 30/50	Linear (LIN) Dimming, supplied with leads for 0-10V control, 1x2 Aculux Lini Module
ZT	MIN1	S740LM	eldoLED Optotronic Oti 30/50	Linear (LIN) Dimming, supplied with leads for 0-10V control, 2x2 Aculux Lini Module
ZT	DARK	S370LM	eldoLED SOLODrive 30/50	Logarithmic (LOG) Dimming, supplied with leads for 0-10V control, 1x2 Aculux Lini Module
ZT	DARK	S740LM	eldoLED SOLODrive 30/50	Logarithmic (LOG) Dimming, supplied with leads for 0-10V control, 2x2 Aculux Lini Module
NLIGHT	MIN10	S370LM	eldoLED SOLODrive 30/50	Linear (LIN) Dimming, internal NIO EZ PH J100 included with luminaire, 1x2 Aculux Lini Module
NLIGHT	MIN10	S740LM	eldoLED SOLODrive 30/50	Linear (LIN) Dimming, internal NIO EZ PH J100 included with luminaire, 2x2 Aculux Lini Module
NLIGHT	MIN1	S370LM	eldoLED SOLODrive 30/50	Linear (LIN) Dimming, internal NIO EZ PH J100 included with luminaire, 1x2 Aculux Lini Module
NLIGHT	MIN1	S740LM	eldoLED SOLODrive 30/50	Linear (LIN) Dimming, internal NIO EZ PH J100 included with luminaire, 2x2 Aculux Lini Module
NLIGHT	DARK	S370LM	eldoLED SOLODrive 30/50	Logarithmic (LOG) Dimming, internal NIO EZ PH J100 included with luminaire, 1x2 Aculux Lini Module
NLIGHT	DARK	S740LM	eldoLED SOLODrive 30/50	Logarithmic (LOG) Dimming, internal NIO EZ PH J100 included with luminaire, 2x2 Aculux Lini Module
DALI	DARK	S370LM	eldoLED SOLODrive 30/50	Logarithmic (LOG) Dimming, DALI controls by others
DALI	DARK	S740LM	eldoLED SOLODrive 30/50	Logarithmic (LOG) Dimming, DALI controls by others

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 single pole	nPODMA (color)
On/Off two pole	nPODMA 2P (color)
On/Off single pole, dimming	nPODMA DX (color)
On/Off two pole, dimming	nPODMA 2P DX (color
On/Off, two level	nPODMA 2L (color)
Graphic touchscreen	nPOD TOUCH (color)

For more information see nPODMA and nPOD TOUCH spec sheets.

nLight® Wired Control Accessories
Order as separate catalog number

Wall Switches	Model Number
On/Off single pole	rPODBA (color)
On/Off two pole	rPODBA 2P (color)
On/Off single pole, dimming	rPODBA DX (color)
On/Off two pole, dimming	rPODBA 2P DX (color)
On/Off, 4 scene control	rPODBA 4S (color)

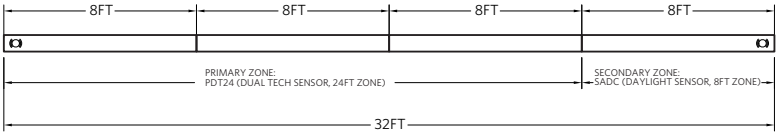
For more information see rPODBA spec sheets

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.

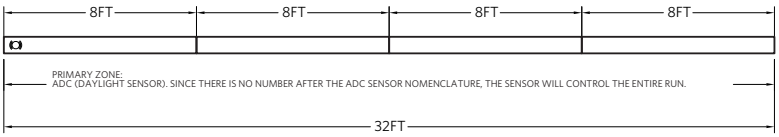
CORRECT:

32FT RUN WITH 2 SENSORS WITH PRIMARY ZONE 24FT AND SECONDARY ZONE 8FT -- PDT24 SADC8



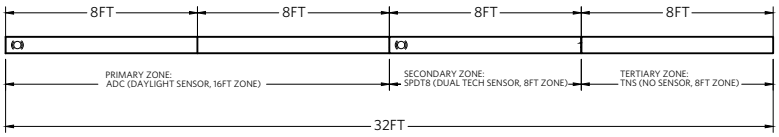
Total Run Length to Order

32FT RUN WITH 1 SENSOR ALL ONE ZONE -- ADC



Total Run Length to Order

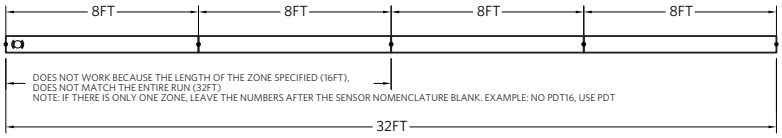
32FT RUN WITH 2 SENSORS WITH PRIMARY ZONE 16FT, SECONDARY ZONE 8FT, AND TERTIARY ZONE 8FT-- ADC16 SPDT8 TNS8



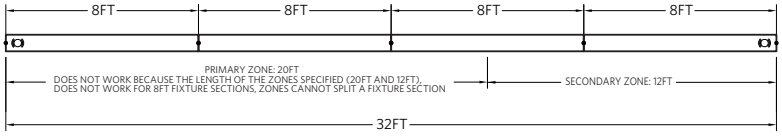
Total Run Length to Order

INCORRECT:

32FT RUN WITH 1 SENSOR ALL ONE ZONE -- PDT16



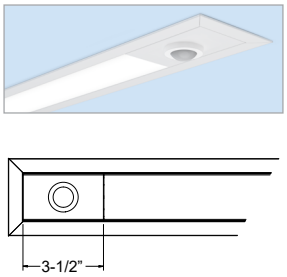
32FT RUN WITH 2 SENSORS WITH PRIMARY ZONE 20FT AND SECONDARY ZONE 12FT -- PDT20 SADC12



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.

SENSOR & SENSOR PLATE DETAIL



	Control Input			
Sensor	**ZT**	**NLIGHT**	**NLTAIR2**	**NLTAIR2 w/ EC or GTD**
ADC	MSD EZ ADC	NES ADCX	n/a	n/a
APDT	MSD PDT 7 EZ ADC	NES PDT 7 ADCX	RES7 PDT ZTS EXT900 ACWH 90D G2	RES7 PDT ZT EM EXT900 ACWH 90D G2
APIR	MSD 7 EZ ADC	NES 7 ADCX	RES7 ZTS EXT900 ACWH 90D G2	RES7 ZT EM EXT900 ACWH 90D G2
PDT	MSD PDT 7 EZ	NES PDT 7	n/a	n/a

OCCUPANCY DETECTION COVERAGE

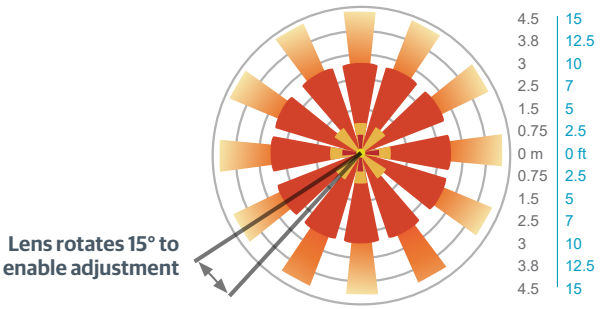
At the 7.5 ft (2.29 m) hanging height of a typical pendant mount fixture the sensor provides 10 ft (3.05 m) radial detection of small motion. At a 9 ft (2.74 m) hanging height the radius is 12 ft (3.66 m) for small motion.

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.

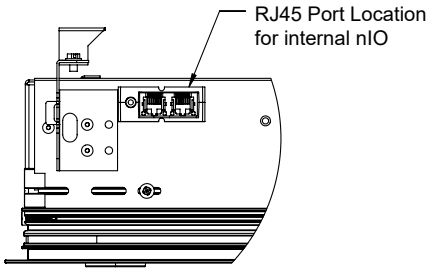
Initial detection of walking motion into long coverage segment will occur at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m). Lens assembly rotates 15° to enable adjustment in order to line up long segments.

Tested to NEMA WD 7-2011



INTEGRATED CONTROLS

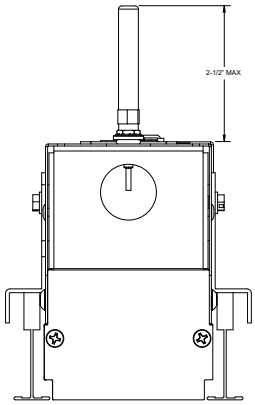
Optional nLight® integrated controls make Slot LED luminaires addressable- allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices using standard CAT5 Cabling (by others).

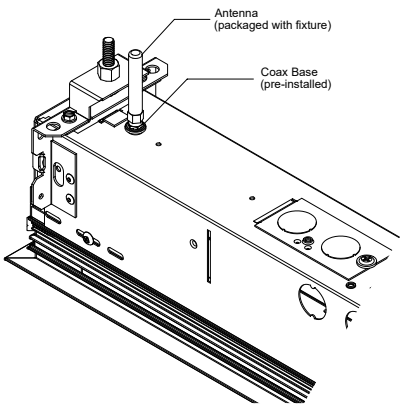


Note: Only one nLight device (rIO/nIO) per zone allowed.

nLight Air Wireless Antenna Detail

Note: Antenna will be shipped separately and will need to be attached to the coax base.

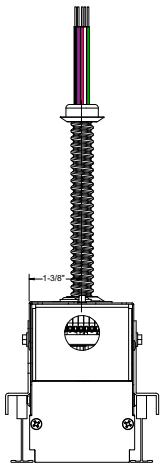




ADDITIONAL OPTIONS

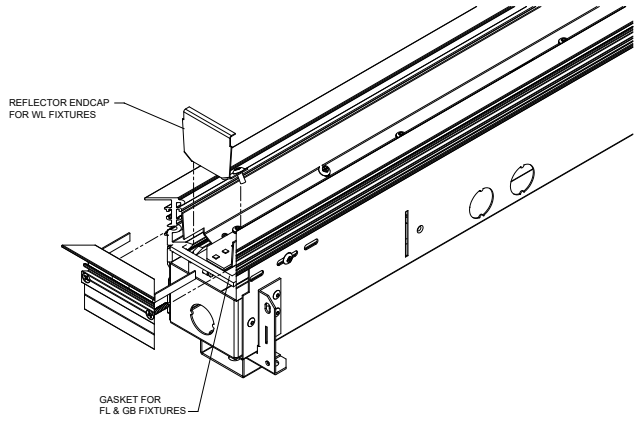
Prewire Whip (PWS)

6-foot long, 3/8" diameter, (3) or (5) 18-gauge wire, 1-circuit Fixtures with PWS Option have conduit with preinstalled wires. Conduit is packed inside the same box as the fixture and it needs to be installed on the fixture by installation contractor.



Wet Location (WL)

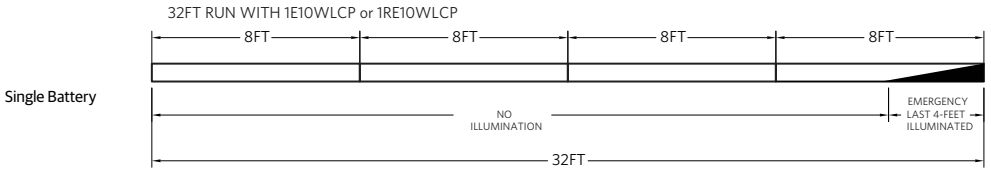
* Wet location fixtures can be recognized by the reflector end cap which is already installed into the fixture.
* Wet location fixtures are available as individual fixture sections starting at 2FT through 8FT maximum run length.
* Wet location is suitable for covered ceiling mount installation only,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

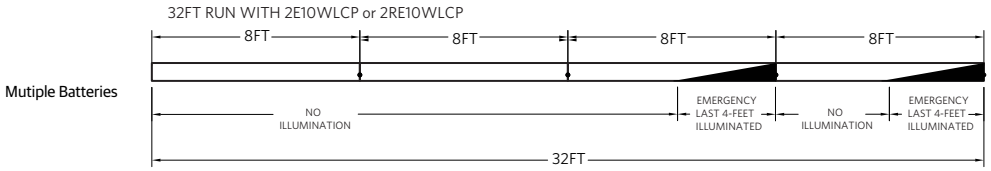


EMERGENCY OPTIONS

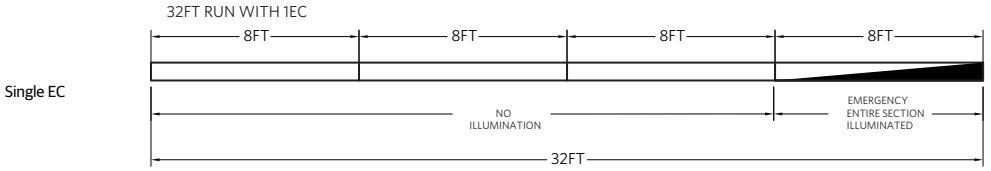
Emergency Battery Pack

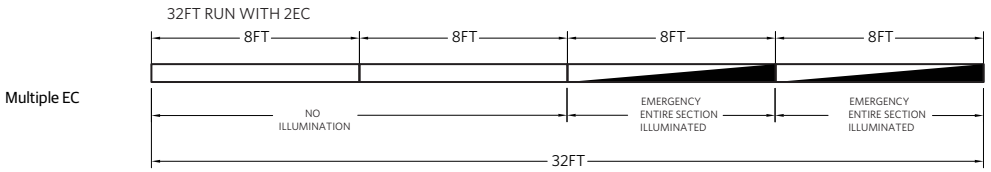
The PS1055LCP battery is integral or remote to the fixture and comes standard with test switch and self-diagnostics. Standard emergency operation as indicated below.

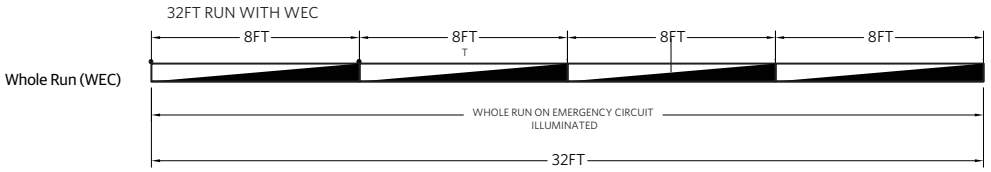




Emergency Circuits







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

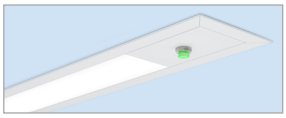
Delivered Lumens = 1.25 x P x LPW
P = 10W for PS1055LCP
LPW = Lumen per watt rating of the luminaire (Available on page 1 of this spec sheet or appropriate IES file.)

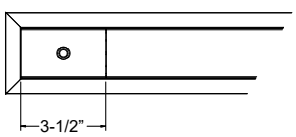
(Available on page 1 of this spec sheet or appropriate IES file.)

Per tested performance data, maximum mount height of 17-feet 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.)

	Control Input		
Section Length	**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



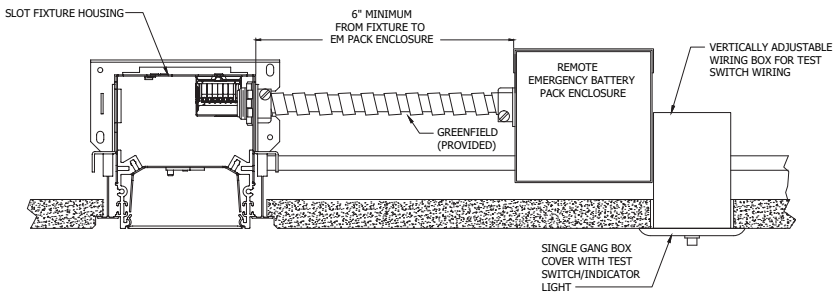


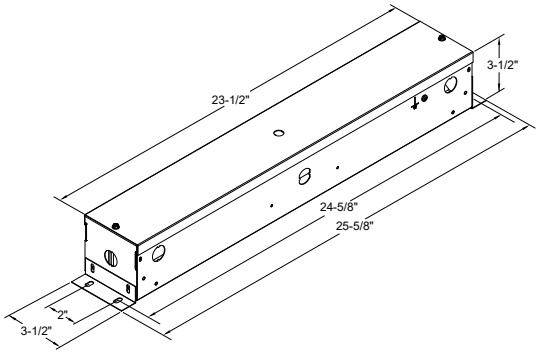
EMERGENCY OPTIONS (Continued)

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.

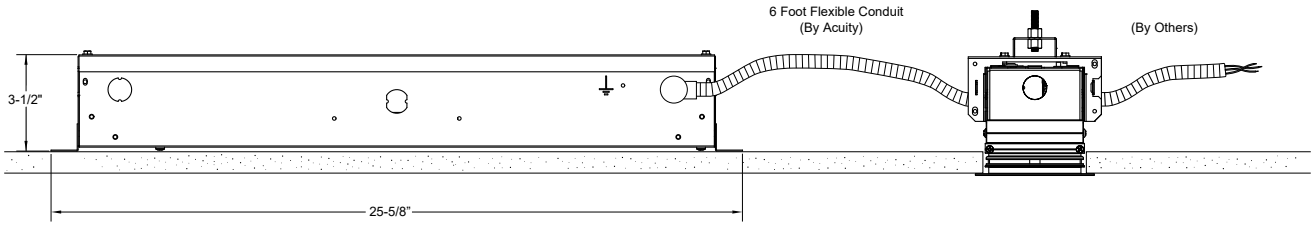


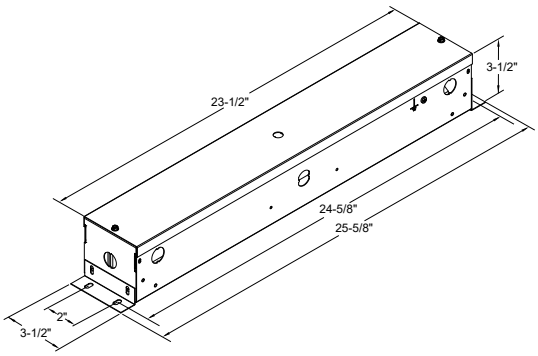


Remote GTD Mounting Option

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 (LVRRA). Extruded acrylic drop lens (DRP05, DRP1, DRP15).

Mounting
Sheetrock: Recessed ceiling only to accommodate sheetrock, ½" 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 with 2700K, 3000K, 3500K, 4000K, and 5000K CCT 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 and dual switching options available. Dual switching offered with shared neutral when downlights are specified.

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. Other available drivers include Lutron and DALI protocol drivers. 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. Connection to nLight is simple. It can be accomplished with remote nLight AIR wireless or through standard Cat-5 cabling. (cabling "by others") nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other, while nLight AIR is commissioned easily through an intuitive mobile app.

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.

DesignLights Consortium®
(DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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 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

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.

