FINELITE®
Better Lighting

High Performance Perimeter Slot (HP-WS)

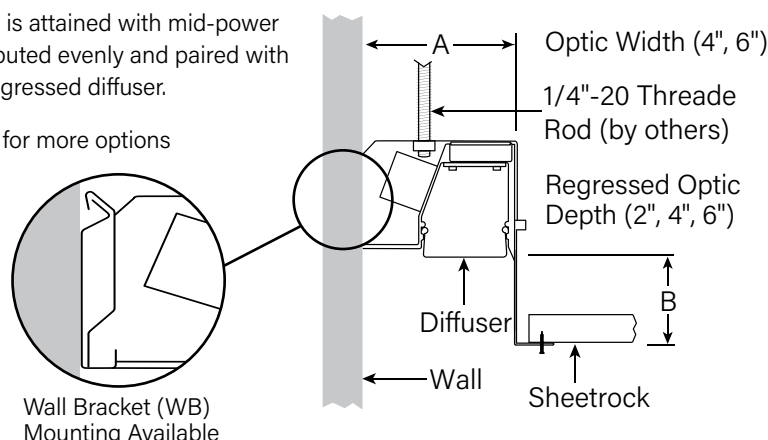6"W x 4"D Flat Endcap (shown)

FULLY ILLUMINATED CORNERS AVAILABLE

The High Performance Perimeter Slot (HP-WS) creates a wash of ambient and vertical illumination at the transition between the wall and the ceiling plane. Available in 2', 3', 4', & 8' sections with telescoping options that can be combined to make longer runs, and 2", 4", and 6" regressed optic options.

This Product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving Red List Approved and Declared status.
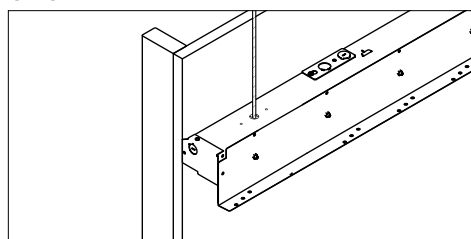
CROSS SECTIONS

Distribution is attained with mid-power LEDs distributed evenly and paired with a precise regressed diffuser.

See page 6 for more options

Wall Bracket (WB) Mounting Available

A

Optic Width (4", 6")

1/4"-20 Threade Rod (by others)

Regressed Optic Depth (2", 4", 6")

Diffuser

B

Wall

Sheetrock

FEATURES

POST-CEILING THREADED-ROD (TR) MOUNTING INSTALLATION

Allows a luminaire to be installed after ceiling framing is complete.

FULLY ILLUMINATED 90º CORNERS

Inside 90º

Telescoping Corner Joints

Outside 90º
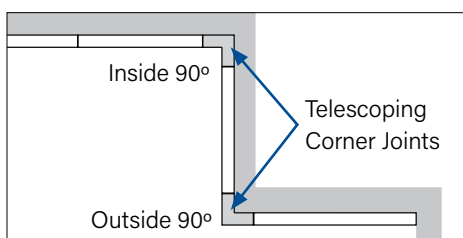
Fully illuminated 90º corners with telescoping standard. Refer to page 3 for telescoping lengths on inside and outside corners.

STRAIGHT RUNS WITH OPTIONAL TELESCOPING

Wall

Luminaire

Telescoping Optional TXL-L or TXL-R
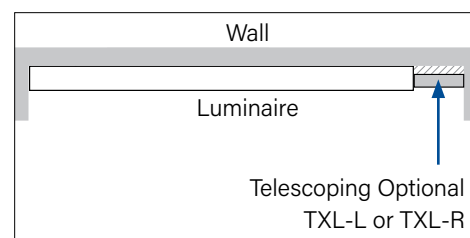
Optional telescoping section adds up to 12 inches for a straight run. Telescope section mounts securely to wall.

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BODY TYPE

Platform	Series Name	Optic Width	Regressed Optic Depth	Total Length of Run
HP - High Performance	**WS** - Perimeter Slot	**4W** - 4" Width **6W** - 6" Width	**2D** - 2" Depth **4D** - 4" Depth **6D** - 6" Depth	_____ 2', 3', 4', 8', multiples standard. Telescoping available for fractional lengths

OUTPUT and LED TYPE

Light Output
S - Standard **B** - Boosted Standard **H** - High **V** - Very High **TL** - Tailored: _____lm/ft* * Specify lm/ft of outputs between Standard (S) and Very High (V). Consult factory for tailored lumen output outside of this range.

OUTPUT and LED TYPE | MECHANICAL/OPTICAL OPTIONS | ELECTRICAL OPTIONS

LED CRI/CCT	Reflector System	Voltage	Circuiting
830 - 80 CRI, 3000K **835** - 80 CRI, 3500K **840** - 80 CRI, 4000K **930** - 90 CRI, 3000K **935** - 90 CRI, 3500K **940** - 90 CRI, 4000K **8TW** - 80 CRI, Tunable White **9TW** - 90 CRI, Tunable White	**SW** - Signal White	**120** - 120 Voltage **277** - 277 Voltage **347** - 347 Voltage	**SC** - Single Circuit* One single circuit in a run **MC** - Multi-Circuit* More than one switch leg or zone. Factory shop drawings required * Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)

ELECTRICAL OPTIONS | MOUNTING OPTIONS

Driver Selection		Mounting Method	Hardware
0-10V Driver Options **FC-10%** - 0-10V 10%¹ (standard) **FC-1%** - 0-10V 1%¹ **OSR-10%** - Osram OTi, 0-10V 10%¹ **OSR-1%** - Osram OTi, 0-10V 1%¹ **ELD-10V-0%** - EldoLED SOLOdrive, 0-10V 0.1% **OSR-10V-TW** - Osram OTi, 0-10V 10% (Tunable White)¹ **DALI Driver Options** **FC-DALI-1%** - DALI 1% **OSR-DALI-1%** - Osram Dexal, 1% **ELD-DALI-0%** - EldoLED SOLOdrive, 0.1% **ELD-DALI-TW** - EldoLED DUALdrive LightShape, 0.1% (Tunable White)	**DMX Driver Options** **FIN-DMX** - Finelite DMX 1% (Tunable White - FineTUNE Controls Only)² **ELD-DMX** - EldoLED POWERdrive, 0.1% **ELD-DMX-TW** - EldoLED POWERdrive, 0.1% (Tunable White) **Lutron Driver Options** **LUT-ES1** - Lutron, Ecosystem 1% **LUT-2W** - Lutron, 2-wire (120V only) 1% **LUT-TW** - Lutron T-Series, EcoSystem 0.1% (Tunable White) See Page 3 for additional driver options and details	**TR** - Threaded Rod³ **WB** - Wall Bracket⁴	**C1** - 1" T-Bar **C2** - 9/16" T-Bar **C3** - Screw Slot **SF** - Spackle Flange **C1T** - 1" Tegular **C2T** - 9/16" Tegular

OTHER OPTIONS

End Condition Left⁵	End Condition Right⁵	Finish	Emergency Style (Optional)	Sensor (Optional)	Special Options (Optional)
FE-L - Flat Endcap (standard) **PE-L** - Pocket Slot **TXL-L** - Telescoping	**FE-R** - Flat Endcap (standard) **PE-R** - Pocket Slot **TXL-R** - Telescoping	**SW** - Signal White (standard)	**FAC CHO** - Factory Choice Battery Back-up **EM/GEN** - Emergency to Generator **NL** - Night Light **BSL310LP** - Bodine Battery Back up Low Profile **GTD** - Generator Transfer Device **ALCR** - Automatic Load Control Relay	**REE** - Remote Enlighted⁶	**CP** - Chicago Plenum⁷ **RLA** - Red List Approved **RLD** - Declared

¹ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO)
² B & V outputs only
³ Pre- or post-ceiling
⁴ Pre-ceiling only
⁵ The end condition on each side can be specified with different hardware options to accommodate different installation features. See page 3 for more information.
⁶ Enlighted Control Unit & Sensor Cable installed for Remote mounting sensor.
⁷ Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox

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SUPPLEMENTARY DRIVER PAGE

0-10V Driver Options	
FC-10%	Factory Choice, 0-10V 10% Dimming (Linear)
FC-10%-DTO	Factory Choice, 0-10V 10% Dimming, Dim-to-Off (Linear)
FC-1%	Factory Choice, 0-10V 1% Dimming (Linear)
FC-1%-DTO	Factory Choice, 0-10V 1% Dimming, Dim-to-Off (Linear)
ELD-10V-0%	EldoLED SOLOdrive, 0-10V 0.1% Dimming (Linear)
ELD-10V-1%	EldoLED ECOdrive, 0-10V 1% Dimming (Linear)
OSR-10V-TW	Osram OTi, 0-10V 10% Dimming, *Tunable White* (Linear)
OSR-10V-TW-DTO	Osram OTi, 0-10V 10% Dimming, Dim-to-Off, *Tunable White* (Linear)
OSR-10%	Osram OTi, 0-10V 10% Dimming (Linear)
OSR-10%-DTO	Osram OTi, 0-10V 10% Dimming, Dim-to-Off (Linear)
OSR-1%	Osram OTi, 0-10V 1% Dimming (Linear)
OSR-1%-DTO	Osram OTi, 0-10V 1% Dimming, Dim-to-Off (Linear)

DALI Driver Options	
FC-DALI-1%	Factory Choice, DALI 1% Dimming (Logarithmic)
OSR-DALI-1%	Osram Dexal, DALI 1% Dimming (Logarithmic)
ELD-DALI-0%	EldoLED SOLOdrive, DALI 0.1% Dimming (Logarithmic)
ELD-DALI-1%	EldoLED ECOdrive, DALI 1% Dimming (Logarithmic)
ELD-DALI-TW	EldoLED DUALdrive Light Shape, DALI 0.1% Dimming, *Tunable White* (Logarithmic Dimming, Linear CCT Control)

DMX Driver Options	
FIN-DMX	Finelite, DMX 1% Dimming, *Tunable White* - **FineTUNE Controls Only** (Linear)
ELD-DMX	EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) (Linear)
ELD-DMX-16	EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) (Linear)
ELD-DMX-TW	EldoLED POWERdrive, DMX 0.1% Dimming, *Tunable White* (8 Bit, 2CH - CH1 Warm / CH2 Cool) (Linear)
ELD-DMX-TW16	EldoLED POWERdrive, DMX 0.1% Dimming, *Tunable White* (16 Bit, 4CH - CH1, 2 Warm / CH3, 4 Cool) (Linear)

Lutron Driver Options	
LUT-ES1	Lutron, Ecosystem 1% Dimming
LUT-2W	Lutron, 2-wire (120V only) 1% Dimming
LUT-TW	Lutron T-Series, EcoSystem 0.1% Dimming, *Tunable White*

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SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision cut 6061-T6 extruded aluminum visible flange. Internal joiner system, plug-together wiring standard. Steel sheet metal galvanized and powder coated body.

LENGTHS: Standard 2', 3', 4', and 8' section lengths can be combined to make longer runs. Optional telescoping sections on straight runs add a minimum of 1" up to 12" at the end of the luminaire. Contact factory for corner details and availability. Telescoping sections are available on either or both ends of the luminaire.

90º CORNERS : Illuminated 90° inside and outside corners. Standard with telescoping sections. Tapered optics is standard with inside corners.

OUTPUT AND LED TYPE

LIGHT OUTPUT: Four lumen packages available, Standard (**S**), Boosted Standard (**B**), High (**H**), and Very High (**V**). For lengths 3' and greater, the uplight and downlight can be specified with different lumen packages and dual controls. For Tailored Outputs outside of range from Standard (**S**) to Very High (**V**), consult factory. Light engines are replaceable.

MECHANICAL/OPTICAL OPTIONS

LUMEN MAINTENANCE: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (L70) at 200,000+ hours.

REFLECTORS: Finelite Signal White powder coat finish standard.

ELECTRICAL OPTIONS

STATIC WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed controlling uplight and downlight together (power and dimming). Specify dual feeds for independent control of uplight and downlight. 14-gauge feed used when luminaire current exceeds 5 amps.

TUNABLE WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when fixture current exceeds 5 amps. DMX and power feed at same location (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

STATIC WHITE DRIVER: Replaceable 120V, 277V, and 347V constant current reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 100%-10% standard. Dimming to 1% available. Separate dimming for uplight and downlight available. Driver is fully accessible from below the ceiling.
- **Power Factor:** ≥ 0.9
- **Total Harmonic Distortion (THD):** <20%
- **Expected driver lifetime:** 100,000 hours

LUTRON STATIC DRIVER OPTIONS:
- **LUTES1 (LDE1)** (Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series))
- **LUT2W (LTES2W)** (Hi-lume 1% 2-wire, 120V forward phase dimming (LTEA series)).

TUNABLE WHITE DRIVER: Replaceable LED driver. Driver is accessible from below the ceiling. 120V, 277V, and 347V.
- **Power factor:** ≥0.90
- **Total Harmonic Distortion (THD):** <20%
- **Dimming Range:** 100%-10%
- **Expected driver lifetime.:** 100,000 hours
- FineTUNE DMX is 1%

LUTRON TUNABLE WHITE DRIVER OPTION: LUT-TW (0.1% T-Series 2-Channel Digital Tunable White (PSQ Series)).

MOUNTING OPTIONS

HANGING HARDWARE: The standard mounting (Threaded Rod - TR) option eliminates the need to install luminaires prior to the slot being framed. Luminaire mounts on threaded rods. Gasket runs length of luminaire ensuring a clean finish at the wall. Optional mounting includes a wall bracket that is attached to the wall. Luminaires are then snapped onto the bracket. Luminaire installation that uses the mounting bracket must be performed before the perimeter slot framing is built.

TUNABLE WHITE DMX HANGING HARDWARE: For grid ceiling applications the dual GridBox™ mounting is supplied (standard). For hard ceiling applications the ceiling mounting box is supplied (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths. Available DMX pendant feed lengths are 5' (standard), 12', and 30'.

TUNABLE WHITE DMX INTERCONNECTION CABLES: Luminaires are pre-wired with plug-and-play interconnection cables to support easy plug-together joining of fixture runs. If a non-FineTUNE DMX system is specified, a DMX to RJ45 adapter is provided.

OTHER OPTIONS

ENDCAPS: The luminaire can terminate in three different end conditions to accommodate project needs. Endcaps are made of 20-guage die-formed powder-coated steel. Flat (standard) Endcap adds 1/8", Pocket Slot Endcap adds 1-1/4", and for Telescoping Endcap refer to telescoping section below.|

END CONDITIONS:
FLAT (standard) (**FE-L** or **FE-R**): Is used when the luminaire terminates at a wall. Adds 1/8" per endcap to overall length of the luminaire.

High Performance Perimeter Slot (HP-WS)

SPECIFICATIONS

POCKET SLOT (**PE-L** or **PE-R**): Includes the necessary hardware to accommodate ceiling materials when the luminaire doesn't terminate at a wall. Adds 1-1/4" for Spackle Flange and 1" for T-Bar per endcap to overall length of the luminaire.

TELESCOPING (**TXL-L** or **TXL-R**): Provides up to 12" of additional illuminated section to accommodate variances in the built-in wall slot. Telescoping available on both ends of 4' and 8' luminaire sections. Adds a minimum of 1" per end to overall section length. Telescoping only available at one end of 2' and 3' luminaire sections. Adds a minimum of 2" to overall length of 2' sections and a minimum of 1" to overall length of 3' sections. Telescoping is standard with corners. Telescoping section must end at wall and be secured with bracket (provided).

EMERGENCY STYLE: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, backup battery. Factory-choice low-profile backup battery available. Chicago Plenum Option available (includes telescoping luminaries). 8' minimum luminaire length for low profile battery pack. Backup batteries deliver 1519 lumens. Half of a 4' section will be illuminated in emergency mode. Optional fusing is available.

Tunable White ELECTRICAL OPTIONS[8]:
- **TW Driver Options 0-10V:** EM/GEN, GTD or Battery Back up
- **FineTUNE DMX:** EM/GEN or Battery Back up
- **DMX:** Battery Back up
- **DALI:** EM/GEN, GTD or Battery Back up
- **LUTRON:** EM/GEN, GTD or Battery Back up

FINISHES: Finelite Signal White powder coat finish standard. Optional adder: 185 colors available using RAL color chart. Custom color applies to the visible T-Bar flange.

LABELS: Luminaire and electrical components are ETL-listed conforming to UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.130 (G), this luminaire contains an internal driver disconnect. UL 924 and UL 2108 - PoE options available on request. IC-Rated. Damp Location. These fixtures are rated for Damp Location. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2015/863. Consult factory for tailored lighting options. Finelite makes the specification process easy when putting healthier products on your projects. Simply add – **RLA** (Red List Approved) or – **RLD** (Declared Label) to your part number.
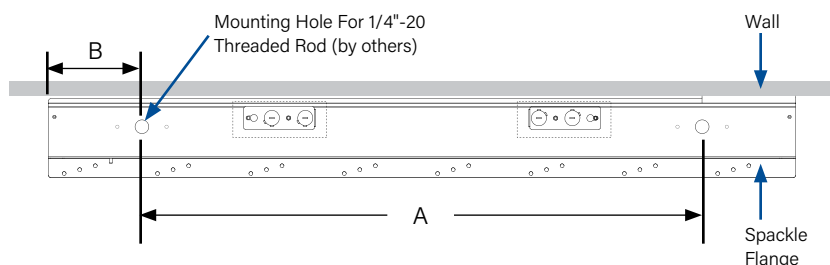
WEIGHT: 5.6 lb/ft

WARRANTY: 10-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

High Performance Perimeter Slot (HP-WS)

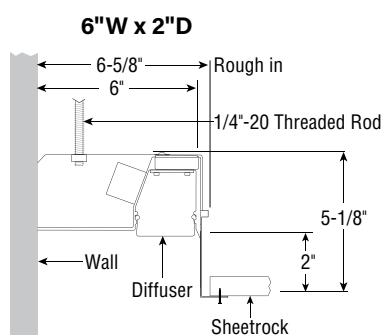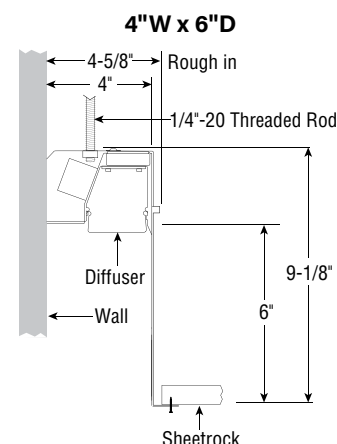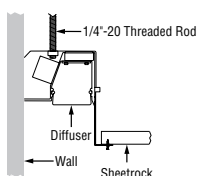## THREADED-ROD (TR) MOUNTING LOCATION

MOUNTING HOLE LOCATION TABLE		
LUMINAIRE LENGTH	**A (in)**	**B (in)**
2'	18	3
3'	30	3
4'	36	6
8'	84	6

THREADED-ROD (TR) MOUNTING CROSS SECTIONS

4"W x 2"D

4"W x 4"D

4"W x 6"D

6"W x 2"D

6"W x 4"D

6"W x 6"D
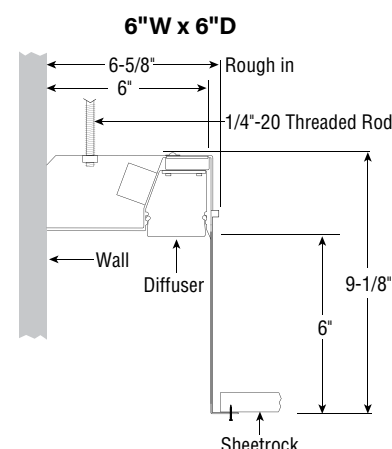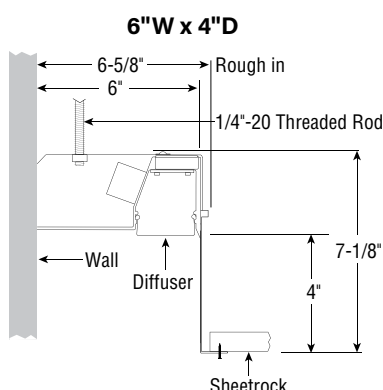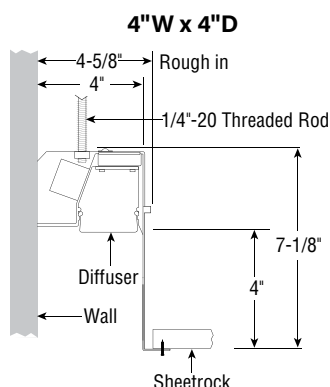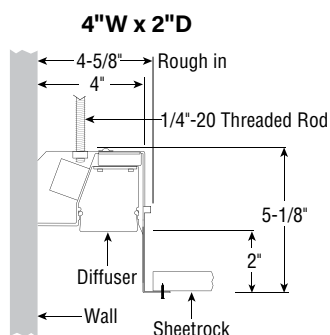
CEILING TYPES — THREADED-ROD (TR) MOUNTING
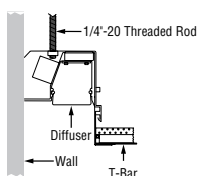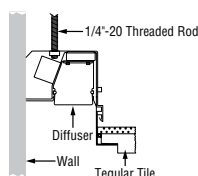
(SF) | **(C1, C2, C3)** | **(C1T, C2T)**

WALL BRACKET (WB) MOUNTING
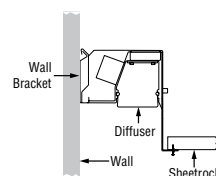
(SF) | **(C1, C2, C3)** | **(C1T, C2T)**
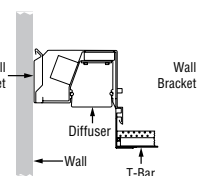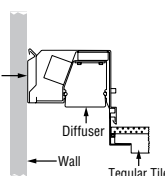
High Performance Perimeter Slot (HP-WS)

RUN LENGTHS

2'
12'   2'
Telescoping

Telescoping Section (optional) adds a minimum of 2" and a maximum of 12". Only one end can be extended.

3'
12'   3'
Telescoping

Telescoping Section (optional) adds a minimum of 1" and a maximum of 12". Only one end can be extended.

4'
12'   4'   12'
Telescoping   Telescoping

Telescoping Sections (optional) adds a minimum of 1" and a maximum of 12". Both ends can be extended.

8'
12'   8'   12'
Telescoping   Telescoping

Telescoping Sections (optional) adds a minimum of 1" and a maximum of 12". Both ends can be extended.

Standard 2', 3', 4', and 8' section can be combined to make longer runs.
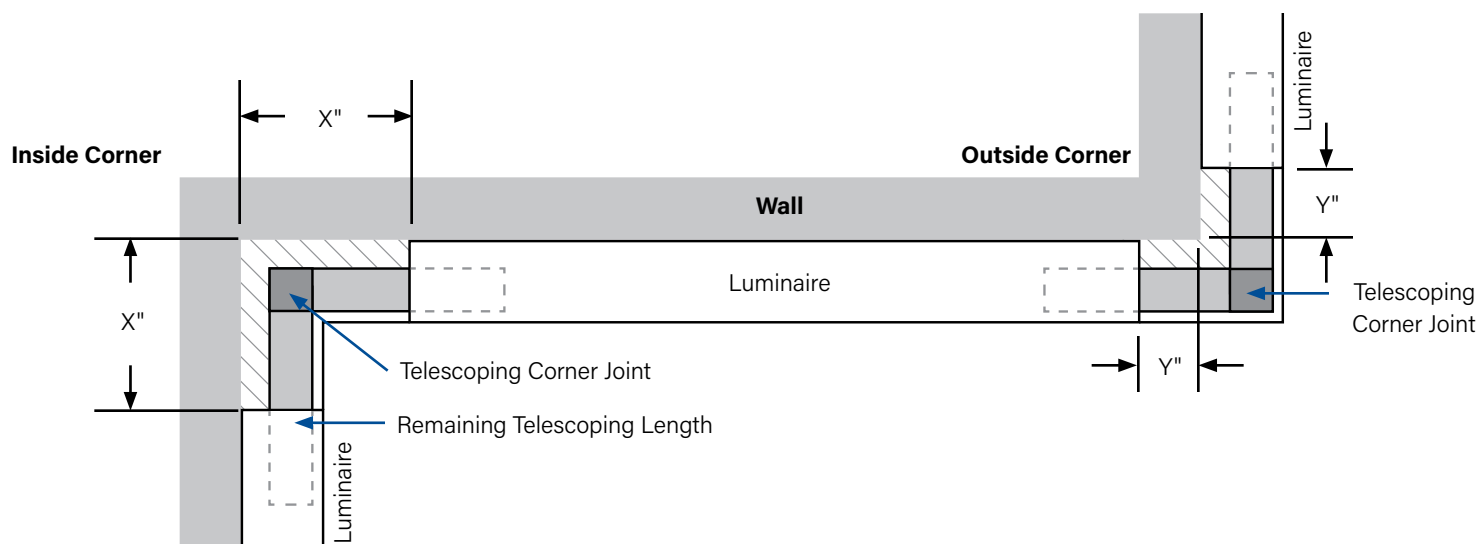

Endcaps Information

The **Flat Endcap** adds 1/8" per endcap to the section length.

The **Pocket Slot Endcap** adds 1-1/4" for Spackle Flange and 1" for T-Bar per endcap to the section length.

The **Telescoping Endcap** adds:
- A minimum of 2" to a 2' section
- A minimum of 1" to a 3' section
- A minimum of 1" to 4' and 8' sections

90º INSIDE AND OUTSIDE FULLY ILLUMINATED CORNER MEASURING DETAILS

	Measurement From End of Luminaire to Wall			
	Inside Corner		Outside Corner	
Luminaire Width Configuration	X" Min	X" Max	Y" Min	Y" Max
4W	8"	14"	1"	8"
6W	10"	16"	1"	7"

Notes
– Inside and outside corners ship standard with telescoping.
– Telescoping is optional for straight runs.

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FEED OPTIONS

1/4"-20" Threaded Rod (by others)

End: Endcap Feed (optional)

Top: Feed Plate (standard)

Back: Feed Plate (standard)
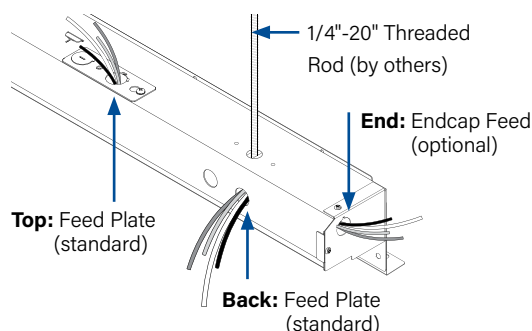
Refer to installation instructions for feed hole measurements.

TELESCOPING (TXL-L or TXL-R)
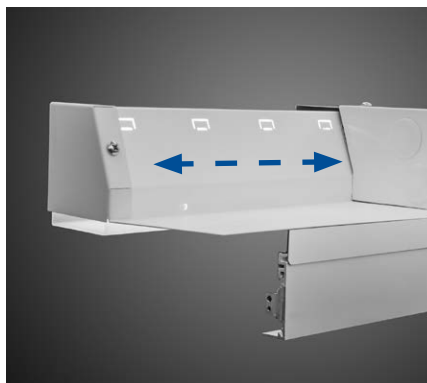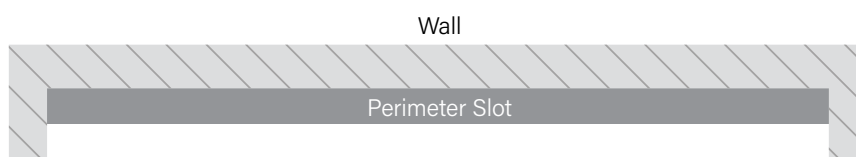
TAPERED OPTIC STANDARD WITH 90º INSIDE CORNERS
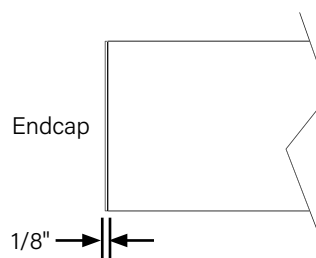
ENDCAP OPTIONS

STANDARD FLAT (FE-L or FE-R)

Adds 1/8" per endcap to the section length.
Spackle Flange version shown, T-Bar available.

Wall

Perimeter Slot

Flat end condition for when luminaire terminates at a vertical surface such as a wall.

Endcap

1/8"

POCKET SLOT (PE-L or PE-R)

Adds 1-1/4" for Spackle Flange and 1" for T-Bar (includes endcap dimension 1/8") per endcap to the housing length on shop drawings. T-Bar version shown, Spackle Flange available.

Ceiling   Wall   Ceiling
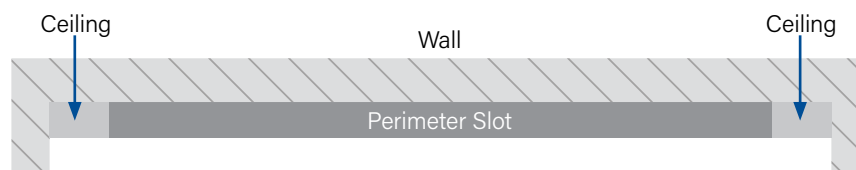
Perimeter Slot

Pocket slot end condition for when slot terminates before meeting additional vertical wall surface.

Spackle Flange

Drywall

1/8"

1-1/4"

T-Bar

T-Bar

1/8"

1"

Page 8

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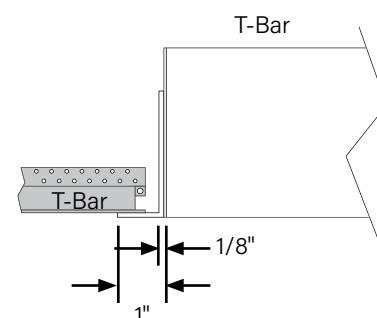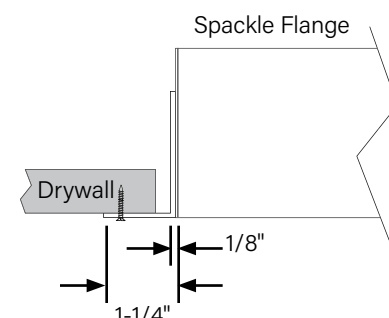
High Performance Perimeter Slot (HP-WS)

Photometry - 4' Luminaire 3500K

4"W x 2"D
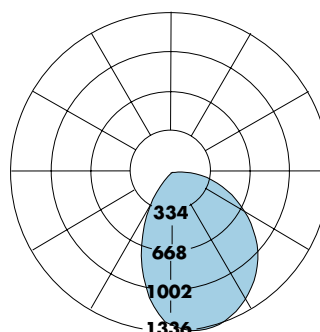**Very High Output - 120V**
Efficacy: 84 lumens per watt
Total luminaire output: 3097 lumens (774 lm/ft)
37 watts (9.3 W/ft)
Peak Candela Value: 1333 @ 15º

CRI: 80 / CCT: 3500K
ITL LM79 Report 86712

Wall

334
668
1002
1336

CandELA distribution					
	0.0	45	90	135	180	Flux
0	1235	1235	1235	1235	1235	
5	1280	1264	1229	1198	1168	116
15	1333	1280	1172	1002	903	321
25	1323	1241	1060	746	586	460
35	1258	1150	909	489	297	519
45	1144	1020	735	248	60	502
55	967	859	555	49	2	436
65	741	654	375	3	0	344
75	514	437	204	2	0	233
85	295	232	52	1	0	

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire				
	S [1]	B [1]	H [1]	V [2]
4"W x 2"D	1268	1594	2409	3097

Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	S [1]	B [1]	H [1]	V [2]
4"W x 2"D	317	398	602	774

Power, 3500K, 80 CRI (Watts Per Foot)				
	S [1]	B [1]	H [1]	V [2]
4"W x 2"D	3.6	4.6	7.1	9.3

Efficacy, 3500K, 80 CRI (Lumens Per Watt)				
	S [1]	B [1]	H [1]	V [2]
4"W x 2"D	88	87	85	84

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (**H**) 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 2409 lm x 0.789 = 1901 lm

Total Light Output per Foot: 602 lm/ft x 0.789 = 475 lm/ft.

watts/foot: 7.1 W/ft.

$$\text{Efficacy} = \frac{475 \ \frac{lm}{ft.}}{7.1 \ \frac{W}{ft.}} = 67 \ lm/W$$

Notes
– Refer to LM-79 reports for other configurations.

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
[1] Family Correlation based on 4' luminaire 3500K Very High Output (**V**) test - 120V.
[2] Based on ITL report: 86712

FINELITE ®
Better Lighting

0-10V Tunable White

Finelite's award-winning, contractor friendly Tunable White luminaires are available at low cost, with powerful and simple 0-10V tuning and intensity controls.

TUNABLE WHITE FEATURES

- CCT range: 2700K - 6500K
- Dimming Range: 100% to 10%
- CRI Options: 80 CRI or 90 CRI

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

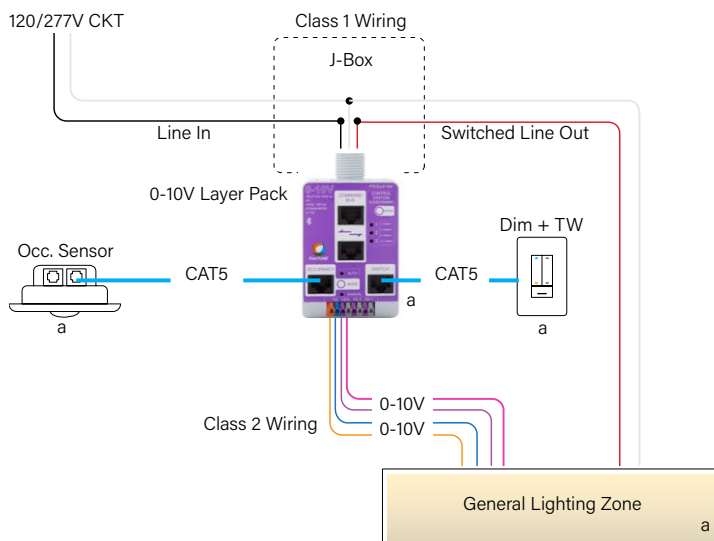| HP-WS	Section Lengths			
	2'	3'	4'	8'
Output S,B,H,V Single Circuit	Rows can be comprised of 2',3',4',& 8' sections. Tailored lengths available.			
Integral Battery Backup (BSL310LP)			✓	✓

EN/GEN sections available for all body lengths

PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

POWER	CONVERSION FACTOR
	1.1X

(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

WIRING DIAGRAM - DIMMABLE TO 10%

120/277V CKT

Class 1 Wiring

J-Box

Line In

Switched Line Out

0-10V Layer Pack

Occ. Sensor

CAT5

Dim + TW

CAT5

Class 2 Wiring
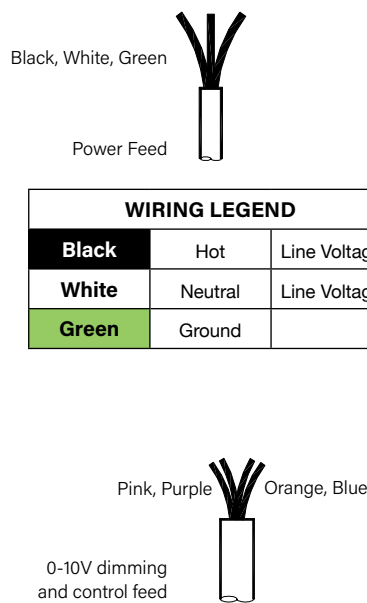
0-10V
0-10V

General Lighting Zone

Luminaire Wiring

- **Purple** (+) / **Gray** (-) control wires are for intensity control
- **Orange** (+) / **Blue** (-) control wires are for Tunable White control

Note:
Load or Dim to Off options available.

DUAL FEED DETAIL

Black, White, Green

Power Feed

WIRING LEGEND

Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	

Pink, Purple   Orange, Blue

0-10V dimming and control feed

WIRING LEGEND

Pink	Dimming	0-10V DC
Purple	Dimming	0-10V DC
Orange	TW	0-10V DC
Blue	TW	0-10V DC

Tunable White LUMINAIRES

A brand of **legrand** ®