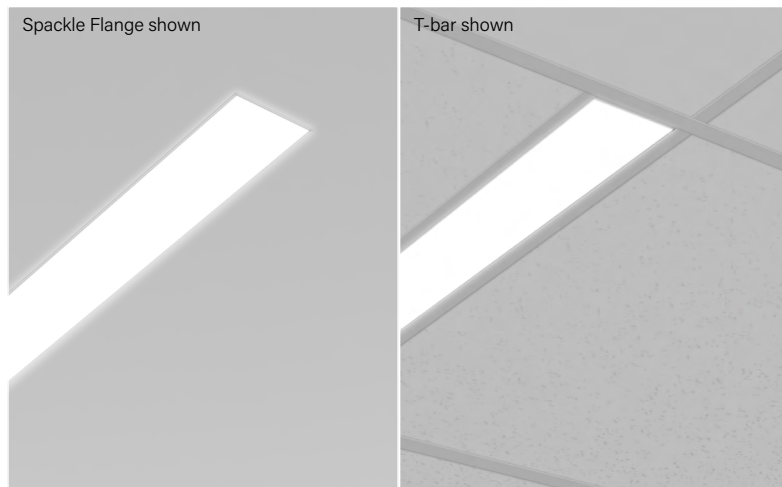


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 3" Aperture (HP-3) Recessed



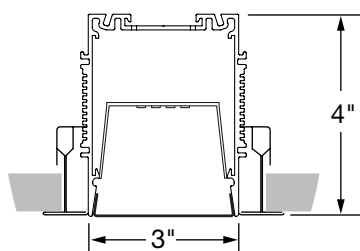
Signal White is standard finish

HP-3 is a compact, streamlined, 3-inch-wide linear luminaire with recycled aluminum housing, advanced optics, and mid-power LEDs, delivering 90% of its initial light output for over 100,000 hours. It features an innovative assembly design, an easy-to-use joiner for continuous runs, and seamless installation. Backed by a 10-year warranty, it is available in 179 RAL color options to suit any project.

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 **Red List Declared** status.

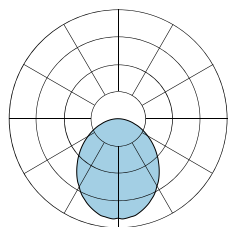
## CROSS SECTIONS

### Recessed



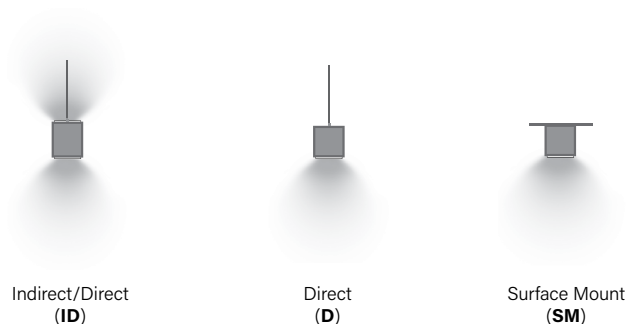
Flush Downlight Diffuser  
(standard)

## OPTIC OPTIONS



Standard Downlight  
Flush Optic (F)

## ALSO AVAILABLE IN



**Declare.**



Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 3" Aperture (HP-3) Recessed

## BODY TYPE

## OUTPUT AND LED TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Downlight Output (Flush)
HP - High Performance	3	R - Recessed	D - Direct	<div>Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.</div>	<div><b>S</b> - Standard (379 lm/ft) <b>B</b> - Boosted (477 lm/ft) <b>H</b> - High (721 lm/ft) <b>V</b> - Very High (927 lm/ft) <b>TL</b> - Tailored: _____ lm/ft*</div> <div>Lumen provided above are for Flush lens only, see pg. 11 for WW lumens. * Specify Tailored lm/ft of outputs between Standard (<b>S</b>) and Very High (<b>V</b>). Consult factory for tailored lumen output outside of this range.</div>

## OUTPUT AND LED TYPE

## MECHANICAL/OPTICAL OPTIONS

## ELECTRICAL OPTIONS

LED CRI/CCT	Downlight Optics ID & D Only	Reflector System	Voltage	Circuiting <sup>2</sup>
<div><b>830</b> - 80 CRI, 3000K <b>835</b> - 80 CRI, 3500K <b>840</b> - 80 CRI, 4000K <b>930</b> - 90 CRI, 3000K<sup>1</sup> <b>935</b> - 90 CRI, 3500K<sup>1</sup> <b>940</b> - 90 CRI, 4000K<sup>1</sup> <b>8TW</b> - 80 CRI, Tunable White<sup>1</sup> <b>9TW</b> - 90 CRI, Tunable White<sup>1</sup></div>	<div><b>F</b> - Flush (standard) <b>DAO-L</b> - Downlight Asymmetric Optic Left <b>DAO-R</b> - Downlight Asymmetric Optic Right <b>DSO</b> - Downlight Spread Optic</div>	<div><b>96LG</b> - 96 Low Gloss White</div>	<div><b>120</b> - 120 Voltage <b>277</b> - 277 Voltage <b>347</b> - 347 Voltage (OTi only)</div>	<div><b>SC</b> - Single Circuit* One single circuit in a run <b>MC</b> - 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)</div>

## ELECTRICAL OPTIONS

## MOUNTING OPTIONS

## OTHER OPTIONS

Driver Selection	Ceiling Hardware Type	Endcap Style	Finish
<div><b>0-10V Driver Options</b> <b>FC-10%</b> - 0-10V 10% (standard) <b>FC-1%</b> - 0-10V 1% <b>OTI-10%</b> - EldoLED OTi, 0-10V 10%<sup>3</sup> <b>OTI-1%</b> - EldoLED OTi, 0-10V 1%<sup>3</sup> <b>ELD-10V-0%</b> - EldoLED SOLOdrive, 0-10V 0.1% <b>10V-TW-10%</b> - EldoLED OTi, 0-10V 10% (Tunable White)<sup>3</sup>  <b>DALI Driver Options</b> <b>FC-DALI-1%</b> - DALI 1% <b>DXL-DALI-1%</b> - EldoLED Dexal, 1% <b>ELD-DALI-0%</b> - EldoLED SOLOdrive, 0.1% <b>ELD-DALI-TW</b> - EldoLED DUALdrive LightShape, 0.1% (Tunable White)</div>	<div><b>DMX Driver Options</b> <b>ELD-DMX</b> - EldoLED POWERdrive, 0.1% <b>ELD-DMX-TW</b> - EldoLED POWERdrive, 0.1% (Tunable White)  <b>Lutron Driver Options</b> <b>LUT-ES1</b> - Lutron, Ecosystem 1% <b>LUT-TW</b> - Lutron T-Series, EcoSystem 0.1% (Tunable White)  See Page 3 for additional driver options and details</div>	<div><b>C1</b> - 15/16" T-Bar <b>C1T</b> - 15/16" Tegular <b>C2</b> - 9/16" T-Bar <b>C2T</b> - 9/16" Tegular <b>C3</b> - Screw Slot <b>C3F</b> - Flush Screw Slot <b>SF</b> - Spackle Flange <b>VF</b> - Visible Flange</div>	<div><b>FE</b> - Flat Endcap (standard)  <b>SW</b> - Signal White (standard) <b>FB</b> - Finelite Black <b>SA</b> - Satin Aluminum <b>####</b> - RAL Color Code <sup>4</sup> _____</div>

## OTHER OPTIONS

Emergency Style (Optional) See page 5 Backup Battery table	Integrated Sensor (Optional)	Special Options (Optional)
<div><b>LGD18W</b> - Legrand 18W Brand Battery Back up <b>LGD10W</b> - Legrand 10W Brand Battery Back up <b>BSL310LP</b> - Bodine Battery Back up Low Profile <b>BSL10T3</b> - Bodine Battery Back up Low Profile Compact  <b>EM/GEN</b> - Emergency to Generator <b>NL</b> - Night Light <b>GTD</b> - Generator Transfer Device <b>ALCR</b> - Automatic Load Control Relay  See Backup Battery table on page 5 for fitment limitations</div>	<div><b>OBO1</b> - WS FS-305 w/ FS-L6 lens on/off (max mounting height 8") OCC Sensor <b>OBO2</b> - WS FS-305 w/ FS-L3W lens on/off (max mounting height 20") OCC Sensor <b>OBO3</b> - WS FS-305D w/ FS-L6 lens Dim to 50% (max mounting height 8") OCC Sensor <b>OBO4</b> - WS FS-305D w/ FS-L3W lens Dim to 50% (max mounting height 20") OCC Sensor  <b>OBD</b> - Daylight <b>W601</b> - Wattstopper Sensor<sup>5</sup> <b>OBE</b> - Enlighted Sensor<sup>6</sup></div>	<div><b>REE</b> - Remote Enlighted <b>CLM-99</b> - Encelium RF <b>SLM-99</b> - Encelium Sensor <b>AOCC-W</b> - Lutron Athena Sensor<sup>7</sup> (Device Color White) <b>AOCC-B</b> - Lutron Athena Sensor<sup>7</sup> (Device Color Black) <b>ARF-W</b> - Lutron Athena RF<sup>7</sup> (Device Color White) <b>ARF-B</b> - Lutron Athena RF<sup>7</sup> (Device Color Black) <b>VOCC</b> - Lutron Vive Sensor<sup>8</sup> <b>VRF</b> - Lutron Vive RF<sup>8</sup></div> <div><b>CP</b> - Chicago Plenum<sup>9</sup> <b>RLA</b> - Red List Approved<sup>10</sup> <b>RLD</b> - Red List Declared<sup>10</sup></div>

<sup>1</sup> DLC not available

<sup>2</sup> Contact factory for switching options

<sup>3</sup> Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)

<sup>4</sup> 20 business days lead time for color

<sup>5</sup> LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected.

LMFS-601 w/ Dalí driver, only 1 driver can be connected.

<sup>6</sup> Enlighted components installed by Finelite, provided by others

<sup>7</sup> 0-10V Drivers - **AOCC** up to 10 drivers may be connected; **ARF** up to 40 driver may be connected

DALI Drivers - **AOCC** & **ARF** up to 4 drivers can be connected

<sup>8</sup> Lutron Vive Integrated Sensors require a DALI driver. Contact factory for Indirect Distribution.

<sup>9</sup> Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox

<sup>10</sup> Refer to page 5 for Declare Program Overview information

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 3" Aperture (HP-3) Recessed

## SUPPLEMENTARY DRIVER PAGE

### 0-10V Driver Options

<b>FC-10%</b>	Factory Choice, 0-10V 10% Dimming ( <a href="#">Linear</a> )
<b>FC-10%-DTO</b>	Factory Choice, 0-10V 10% Dimming, Dim-to-Off ( <a href="#">Linear</a> )
<b>FC-1%</b>	Factory Choice, 0-10V 1% Dimming ( <a href="#">Linear</a> )
<b>FC-1%-DTO</b>	Factory Choice, 0-10V 1% Dimming, Dim-to-Off ( <a href="#">Linear</a> )
<b>ELD-10V-0%</b>	EldoLED SOLOdrive, 0-10V 0.1% Dimming ( <a href="#">Linear</a> )
<b>ELD-10V-1%</b>	EldoLED ECOdrive, 0-10V 1% Dimming ( <a href="#">Linear</a> )
<b>10V-TW-10%</b>	EldoLED OTi, 0-10V 10% Dimming, <i>Tunable White</i> ( <a href="#">Linear</a> )
<b>10V-TW-10%-DTO</b>	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, <i>Tunable White</i> ( <a href="#">Linear</a> )
<b>OTi-10%</b>	EldoLED OTi, 0-10V 10% Dimming ( <a href="#">Linear</a> )
<b>OTi-10%-DTO</b>	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off ( <a href="#">Linear</a> )
<b>OTi-1%</b>	EldoLED OTi, 0-10V 1% Dimming ( <a href="#">Linear</a> )
<b>OTi-1%-DTO</b>	EldoLED OTi, 0-10V 1% Dimming, Dim-to-Off ( <a href="#">Linear</a> )

### DALI Driver Options

<b>FC-DALI-1%</b>	Factory Choice, DALI 1% Dimming ( <a href="#">Logarithmic</a> )
<b>DXL-DALI-1%</b>	EldoLED Dexal, DALI 1% Dimming ( <a href="#">Logarithmic</a> )
<b>ELD-DALI-0%</b>	EldoLED SOLOdrive, DALI 0.1% Dimming ( <a href="#">Logarithmic</a> )
<b>ELD-DALI-1%</b>	EldoLED ECOdrive, DALI 1% Dimming ( <a href="#">Logarithmic</a> )
<b>ELD-DALI-TW</b>	EldoLED DUALdrive Light Shape, DALI 0.1% Dimming, <i>Tunable White</i> ( <a href="#">Logarithmic Dimming</a> , <a href="#">Linear CCT Control</a> )

### DMX Driver Options

<b>ELD-DMX</b>	EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) ( <a href="#">Linear</a> )
<b>ELD-DMX-16</b>	EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) ( <a href="#">Linear</a> )
<b>ELD-DMX-TW</b>	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (8 Bit, 2CH - CH1 Warm / CH2 Cool) ( <a href="#">Linear</a> )
<b>ELD-DMX-TW16</b>	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (16 Bit, 4CH - CH1, 2 Warm / CH3, 4 Cool) ( <a href="#">Linear</a> )

### Lutron Driver Options

<b>LUT-ES1</b>	Lutron, Ecosystem 1% Dimming
<b>LUT-TW</b>	Lutron LD2 Dali-2 1%, <i>Tunable White</i>

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 3" Aperture (HP-3) Recessed

## SPECIFICATIONS

### BODY TYPE

**CONSTRUCTION:** Precision-cut 6063-T6 extruded aluminum body. Internal joiner system, plug-together wiring, standard.

**LENGTHS:** Any length, 2' minimum, in increments down to 1/16" (±1/32"). 12' maximum section length.

### 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

**DOWNLIGHT OPTION:** 12' maximum diffuser length. Flush frost white snap-in diffuser standard, 77% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Available with Flush (**F**), Downlight Spread Optic (**DSO**), Downlight Asymmetric Optic Left and Right (**DAO-L**, **DAO-R**). Consult factory for more tailored lumen outputs.

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

**REFLECTORS:** Die-formed 20-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white powder coat paint.

### 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 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 DRIVER OPTIONS:

**LUT-ES1** - Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 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

### LUTRON TUNABLE WHITE DRIVER OPTION:

**LUT-TW** - Lutron LD2 Dali-2 1%, Tunable White.

### MOUNTING OPTIONS

**Recessed T-Bar:** Standard bracket design works with most lay-in ceiling types. Brackets secure luminaire to the ceiling grid from above. Tie-in T-Bar brackets connect the luminaire to the T-Bar for securing to structure. Consult local codes for tie-wire recommendations.

**Recessed Spackle Flange:** Drywall surfaces (walls or ceilings): 1/4" - 20 stud and nut (provided by others). Mounted with three equidistant suspension points.

**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 prewired with plug-and-play interconnected cables to support easy plug-together joining of fixture runs. DMX to RJ45 adapters and an RJ45 terminator for every 32 DMX drivers are included.

### OTHER OPTIONS

**ENDCAPS:** Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire.

**EMERGENCY STYLE:** Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery.

Backup Battery		
	Legrand 18W	Legrand 10W/ Bodine BSL310LP
<b>HP3-P-D</b>		
Min. Housing Length	12'	8'
EM Lumen Output	2088	1243
EM Section Illum.	2'	2' or 4'

\* Minimum fixture housing length for battery pack approved without sensor  
The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 6.

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 3" Aperture (HP-3) Recessed

## SPECIFICATIONS

Bodine GTD and Legrand ALCR Min. Length	
Configuration	Min Length
Generator	D-2'
Generator + OCC	D-2'
Daylight	D-2'
Generator + Daylight	D-2'

### TUNABLE WHITE ELECTRICAL OPTIONS:

#### TW Driver Options

- **0-10V:** EM/GEN, GTD or Battery Back Up
- **DMX:** Battery Back Up
- **DALI:** EM/GEN, GTD or Battery Back Up
- **LUTRON:** EM/GEN, GTD or Battery Back Up

**INTEGRATED SENSORS:** Integrated PIR (Passive Infrared) Occupancy (OBO) or Daylight Sensors (OBD) available with Flush and Bottom Glow downlight diffusers. PIR sensors not recommended for stairwell applications. Refer to Occupancy Sensor & Daylight Sensor tech sheet and the Embedded Intelligence landing page for more information and additional sensor options.

**FINISHES:** Finelite Signal White (**SW**) powder coat, Finelite Black (RAL 9005) with semi gloss fine texture (**FB**), and Satin Aluminum (**SA**) are standard. Optional Adder: 179 RAL colors<sup>1</sup> are available.

**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. These fixtures are rated for Damp Location. Chicago Plenum options available for C1, C2, or C3 suspension using our GridBox. 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** (Red List Declared) to your part number ([Declared Program Overview](#)).

**WEIGHT<sup>2</sup>:** R - 2.8 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.

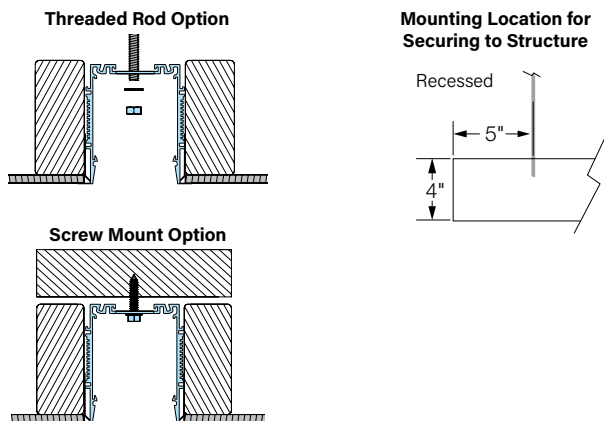
<sup>1</sup> 20 business days lead time for color

<sup>2</sup> Excludes Battery Backup and Generator Transfer Device weight

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

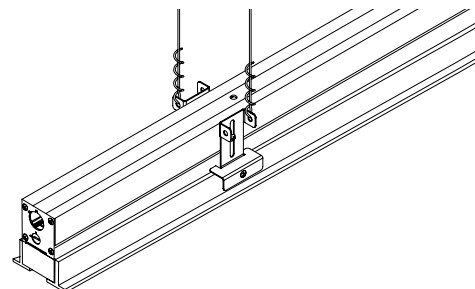
# High Performance 3" Aperture (HP-3) Recessed

## Hard Ceiling Mounting Options



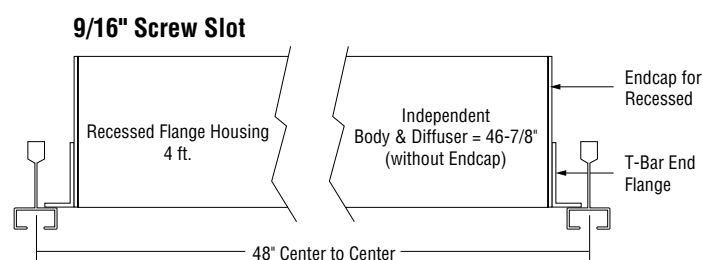
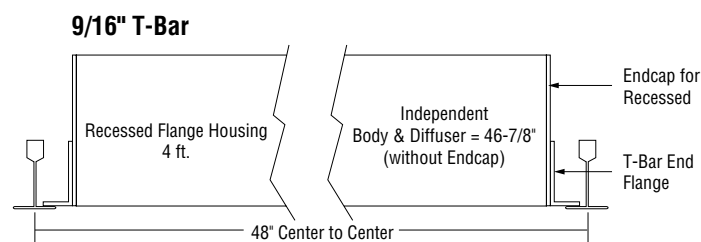
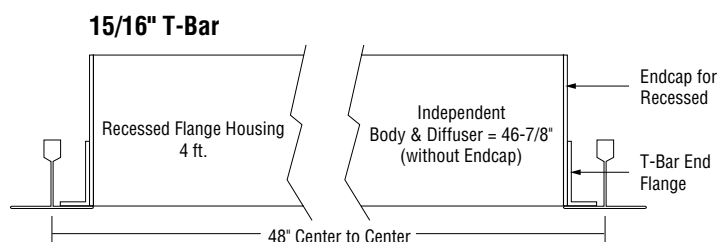
Two mounting options: threaded rod and screw mounting options. Mounting locations are located on each end of the luminaire. Mounting location is 5" away from each end of luminaire.

## T-Bar Installation

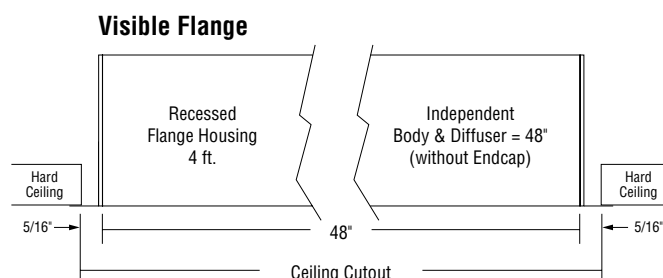
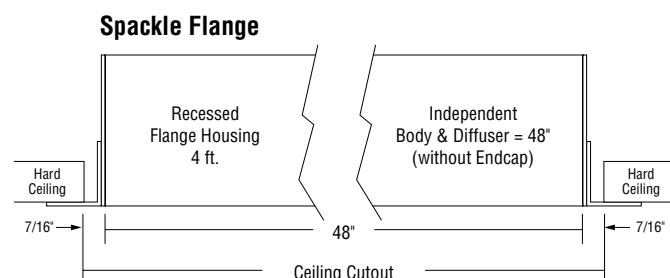


HP-3 R for T-Bar installations comes standard with a splice plate at the end of the luminaire. Mounting brackets (supplied) secure the luminaire to T-Bar and provide support to structure location. All even foot length (2, 4, 6, ...) luminaire runs are reduced in length by an appropriate amount to fit within typical 2x2 and 2x4 T-Bar grid systems. For uncommon T-Bar systems please consult factory.

## Grid Length Detail - 4' Example



## Hard Ceiling Length Detail - 4' Example

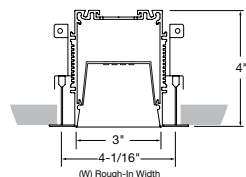


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

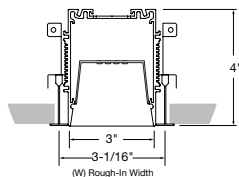
# High Performance 3" Aperture (HP-3) Recessed

## Recessed Mounting Types - T-Bar

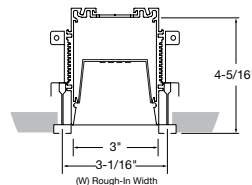
Rough-In Dimensions



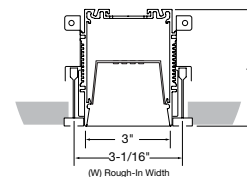
**15/16" T-Bar (C1)**



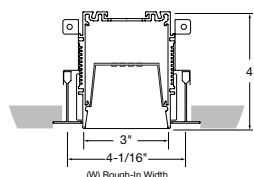
**9/16" T-Bar (C2)**



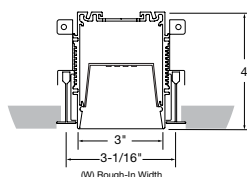
**Standard Screw Slot (C3)**



**Flush Screw Slot (C3F)**

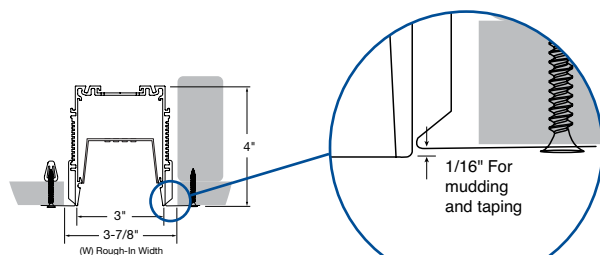


**15/16" Tegular (C1T)**

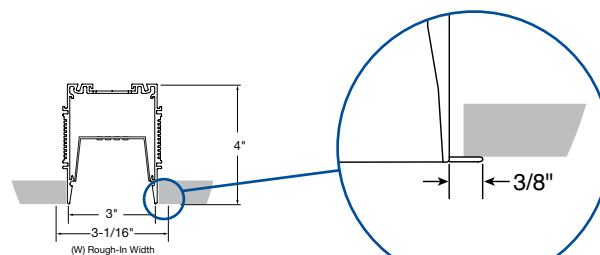


**9/16" Tegular (C2T)**

## Recessed Mounting Types - Cutout Dimensions

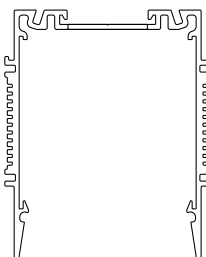


**Spackle Flange (SF)**



**Visible Flange (VF)**

## HOUSING



### Ceiling Options

C1, C1T, C2, C2T, C3, C3F,  
SF, VF

Note: +/- 1/16"



Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 3" Aperture (HP-3) Recessed

## Direct Photometry - 4' Luminaire 3500K

**HP3-R-D-4'-V-835-F**

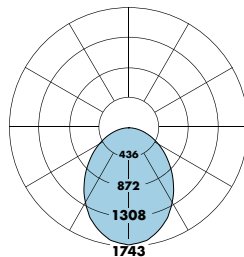
**Downlight:** Flush Diffuser

**Efficacy:** 122 lm/W

**Total luminaire output:** 4176 lumens (1044 lm/ft)  
34.34 watts (8.6 W/ft)

CRI: 80 / CCT: 3500K

NLTL LM79 Report # LM-63-2002



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
2319	2902	3266	4176

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
580	726	817	1044

Power, 3500K (Watts Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
6.7	7.3	7.7	8.6

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
87	100	107	122

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

<sup>1</sup> Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

<sup>2</sup> Based on NLTL LM79 reports: LM-63-2002

## Direct Photometry - 4' Luminaire 3500K

**HP3-P-D-4'-V-835-DAO**

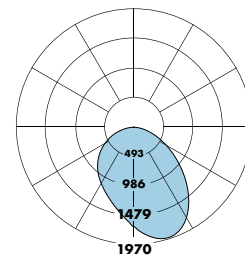
**Downlight:** Downlight Asymmetric Optic

**Efficacy:** 128 lm/W

**Total luminaire output:** 4425 lumens (1106 lm/ft)  
34.47 watts (8.6 W/ft)

CRI: 80 / CCT: 3500K

NLTL LM79 Report # REP-020325-01



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
2458	3076	3462	4425

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
615	769	866	1106

Power, 3500K (Watts Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
6.7	7.3	7.7	8.6

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
92	105	113	128

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

<sup>1</sup> Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

<sup>2</sup> Based on NLTL LM79 reports: REP-020325-01

## Direct Photometry - 4' Luminaire 3500K

**HP3-P-D-4'-V-835-DSO**

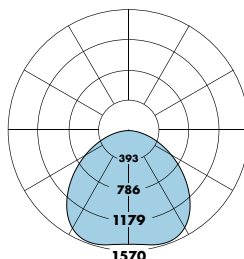
**Downlight:** Downlight Spread Optic

**Efficacy:** 127 lm/W

**Total luminaire output:** 4353 lumens (1088 lm/ft)  
34.4 watts (8.6 W/ft)

CRI: 80 / CCT: 3500K

NLTL LM79 Report # REP-020325-04



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
2418	3026	3406	4353

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
605	757	852	1088

Power, 3500K (Watts Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
6.7	7.3	7.7	8.6

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
91	104	111	127

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

<sup>1</sup> Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

<sup>2</sup> Based on NLTL LM79 reports: REP-112024-05

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

### Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI		Lumen Adjustment Factors 90 CRI	
3000K	0.985	3000K	0.746
3500K	1.000	3500K	0.760
4000K	1.032	4000K	0.789

Standard Output (S), 4000K, 90 CRI

**Lumen Adjustment Factor:** 0.789

**Total Light Output:** 2319 lm x 0.789 = 1830 lm

**Total Light Output per Foot:** 580 lm/ft x 0.789 = 458 lm/ft.  
watts/foot: 6.7 W/ft.

$$\text{Efficacy} = \frac{458 \frac{\text{lm}}{\text{ft.}}}{6.7 \frac{\text{W}}{\text{ft.}}} = 68 \text{ lm/W}$$



Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# 0-10V Tunable White

Finelite's 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

**Note:**

Dim to Off options available.

## LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Direct	Section Lengths										
	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'
Output S,B,H,V Single Circuit	Rows can be comprised of 2'-12' sections. Tailored lengths available.										
Integral Battery Backup (BSL310LP)							✓		✓		✓
Indirect/Direct											
Output S,B Single Circuit	✓		✓		✓		✓		✓		✓
Integral Battery Backup (BSL310LP)							✓		✓		✓
Output H,V Single Circuit			✓				✓				✓
Integral Battery Not Available	Remote Battery backup solution available. Consult factory for tailored lighting options.										
Output S,B,H,V Dual Circuit			✓				✓				✓
Integral Battery Not Available	Remote Battery backup solution available. Consult factory for tailored lighting options.										

EN/GEN sections available for all body lengths

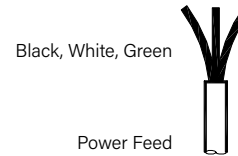
## PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

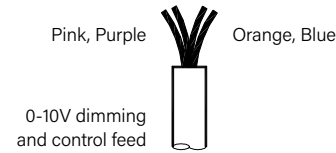
POWER	CONVERSION FACTOR
	1.1X

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

## DUAL FEED DETAIL



WIRING LEGEND		
Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	



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

