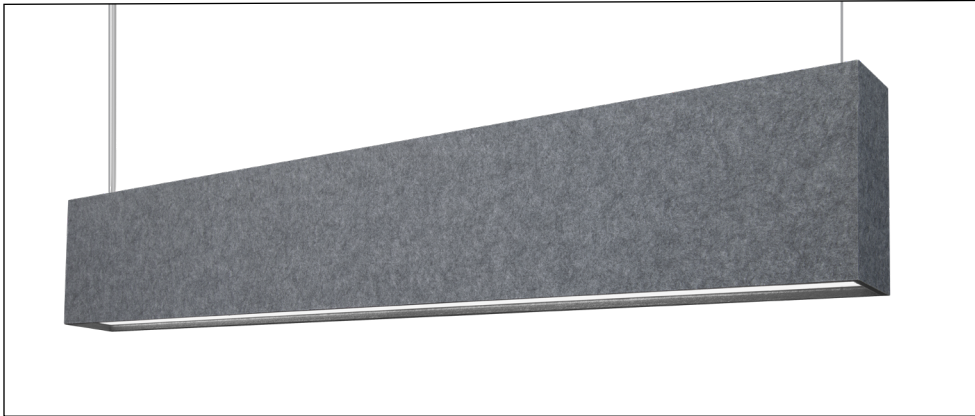


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# Acoustic

## HP-2 Acoustic Baffle Lit



HP-2 Acoustic Baffle Lit is a high-performing, sound-absorbing LED pendant luminaire with a 2" aperture. It's available in direct or regressed direct options. This luminaire offers a sophisticated and convenient way to achieve desired illumination and reverberation levels in open space environments.

**Pendant Direct with Pewter housing shown**  
Pewter or Slate are standard housing color options; Signal White luminaire finish is standard.

### Great Sound Absorption

**1.15**

Apparent noise reduction coefficient (NRC) up to 1.15.

### 10 Day Shipping

**10**

10-Working day shipping on standard orders. Consult factory for extended acoustic housing color options.

### Quality Material

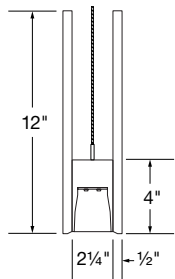
**A**

Class A fire resistant material (ASTM E-84); Moisture resistant.

## CROSS SECTIONS

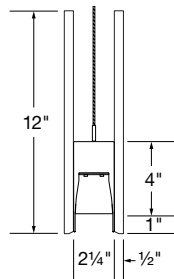
### Direct

12" Baffle



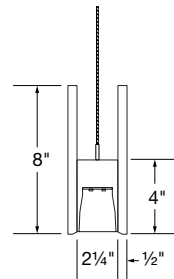
Flush Downlight Diffuser (standard)

12" Baffle



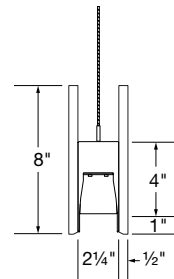
1" Regress with Flat diffuser

8" Baffle



Flush Downlight Diffuser (standard)

8" Baffle



1" Regress with Flat diffuser

## LUMEN OUTPUT PACKAGES



Standard



Boosted Standard

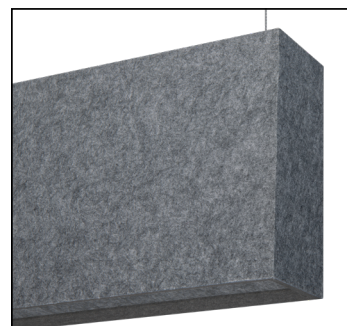


High



Very High

## COMPLEMENTARY PRODUCT



### HP-2 Acoustic Baffle Unlit

Pair with this sound-absorbing and eco-friendly unlit pendant baffle to achieve desired reverberation levels with a consistent aesthetic.

[Refer to complementary tech sheet](#)



Option Available

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

# Acoustic HP-2 Acoustic Baffle Lit

## BODY TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Length
HP - High Performance	2	P - Pendant	D - Direct	4'
		P RG - Pendant Regressed		8'

## OUTPUT and LED TYPE

## MECHANICAL/OPTICAL OPTIONS

Downlight Output	LED CRI/CCT	Downlight Option	Reflector System
S - Standard	830 - 80 CRI min, 3000K	F - Flush (standard)	96 - 96 Low Gloss White
B - Boosted Standard	835 - 80 CRI min, 3500K	BG - Bottom Glow	
H - High	840 - 80 CRI min, 4000K	DL - 1" Drop Down Lens	
V - Very High	930 - 90 CRI min, 3000K	RG-D - Flat Diffuser with 1" Regress <sup>1</sup>	
TL - Tailored: _____lm/ft *	935 - 90 CRI min, 3500K	RG-WCB - White Cross Blade Baffle <sup>1</sup>	
	940 - 90 CRI min, 4000K	RG-LHE - Hollowed Ellipse Louver <sup>1</sup>	
	8TW - 80 CRI min, Tunable White	RG-LHC - Hex Louver <sup>1</sup>	
	9TW - 90 CRI min, Tunable White		

\* Specify lm/ft of outputs between Standard (S) and Very High (V). Consult factory for tailored lumen output outside of this range.

## ELECTRICAL OPTIONS

Voltage	Circuiting	Driver Selection
120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage	SC - Single Circuit One single circuit in a run  Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)	<b>0-10V Driver Options</b> <b>FC-10%</b> - 0-10V 10% (standard) <sup>2</sup> <b>FC-1%</b> - 0-10V 1% <sup>2</sup> <b>OSR-10%</b> - Osram OTi, 0-10V 10% <sup>2</sup> <b>OSR-1%</b> - Osram OTi, 0-10V 1% <sup>2</sup> <b>ELD-10V</b> - EldoLED SOLOdrive, 0-10V 0.1% <b>10V-TW</b> - Osram OTi, 0-10V 10% (Tunable White) <sup>2</sup> <b>DALI Driver Options</b> <b>FC-DALI</b> - DALI 1% <b>OSR-DALI</b> - Osram Dexas, 1% <b>ELD-DALI</b> - EldoLED SOLOdrive, DALI 0.1% <b>DALI-TW</b> - EldoLED Dual Drive Light Shape, 1% (Tunable White)
		<b>DMX Driver Options</b> <b>FIN-DMX</b> - Finelite DMX 1% (Tunable White - FineTUNE Controls Only) <sup>3</sup> <b>DMX</b> - EldoLED POWERdrive, 0.1% <b>DMX-TW</b> - EldoLED POWERdrive, 0.1% (Tunable White) <b>Lutron Driver Options</b> <b>LUT-ES1</b> - Lutron, Ecosystem 1% <b>LUT-ES5</b> - Lutron, Ecosystem 5% <b>LUT-2W</b> - Lutron, 2-wire (120v only) 1% <b>LUT-TW</b> - Lutron T-Series, EcoSystem 1% (Tunable White)
		See Page 3 for additional driver options and details

## OTHER OPTIONS

Endcap Style	Luminaire Finish
<b>FA50</b> - Fully Adjustable 50" <b>FA100</b> - Fully Adjustable 100" <b>FA150</b> - Fully Adjustable 150" <b>FA200</b> - Fully Adjustable 200" <b>FA250</b> - Fully Adjustable 250" <b>FA300</b> - Fully Adjustable 300" <b>FM</b> - Flexible Mounting	<b>C1</b> - 1" T-Bar <b>C2</b> - 9/16" T-Bar <b>C3</b> - Screw Slot <b>C4</b> - Hard Ceiling
<b>FE</b> - Flat Endcap (standard) <b>DE</b> - 1" Drop Down Lens <sup>4</sup> <b>OE</b> - Open Endcap <sup>5</sup>	<b>SW</b> - Signal White <b>FB</b> - Finelite Black <sup>6</sup> <b>SA</b> - Satin Aluminum <sup>6</sup> <b>####</b> - RAL Color Code <sup>6</sup> _____

## OTHER OPTIONS

## ACOUSTIC

Emergency Style (Optional)	Integrated Sensor (Optional)	Acoustic	Height	Acoustic Housing Color
<b>FAC CHO</b> - Factory Choice Battery Back-up <b>EM/GEN</b> - Emergency to Generator <b>NL</b> - Night Light <b>BSL310LP</b> - Bodine Battery Back up Low Profile <b>GTD</b> - Generator Transfer Device	<b>OBO</b> - Occupancy <b>OBD</b> - Daylight <b>OBE</b> - Enlighth <sup>7</sup>	<b>ABL</b> - Acoustic Baffle Lit	<b>8H</b> <b>12H</b>	<b>PEW</b> - Pewter (standard) <b>SLA</b> - Slate (standard) <b>###</b> - Letter Code <sup>8</sup> : _____
				See Page 5 for extended housing color options. Consult factory.

<sup>1</sup> Pendant Regressed only

<sup>2</sup> Add DTO to gain "Dim to Off" functionality (FC-10% - DTO)

<sup>3</sup> B & V outputs only

<sup>4</sup> 1" Drop Down Lens (DL) downlight only

<sup>5</sup> Hollowed Ellipse Louver (LHE) only

<sup>6</sup> 20 Business day lead time for color

<sup>7</sup> Enlighth components installed by Finelite, provided by others

<sup>8</sup> Consult factory for extended acoustic housing color options

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

# Acoustic

## HP-2 Acoustic Baffle Lit

### 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>OSR-10V-TW</b>	Osram OTi, 0-10V 10% Dimming, <i>Tunable White</i> ( <a href="#">Linear</a> )
<b>OSR-10V-TWDTO</b>	Osram OTi, 0-10V 10% Dimming, Dim-to-Off, <i>Tunable White</i> ( <a href="#">Linear</a> )
<b>OSR-10%</b>	Osram OTi, 0-10V 10% Dimming ( <a href="#">Linear</a> )
<b>OSR-10%-DTO</b>	Osram OTi, 0-10V 10% Dimming, Dim-to-Off ( <a href="#">Linear</a> )
<b>OSR-1%</b>	Osram OTi, 0-10V 1% Dimming ( <a href="#">Linear</a> )
<b>OSR-1%-DTO</b>	Osram 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>OSR-DALI-1%</b>	Osram 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 1% Dimming, <i>Tunable White</i> ( <a href="#">Logarithmic Dimming</a> , <a href="#">Linear CCT Control</a> )

#### DMX Driver Options

<b>FIN-DMX</b>	Finelite, DMX 1% Dimming, <i>Tunable White</i> - <b>FineTUNE Controls Only</b> ( <a href="#">Linear</a> )
<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-ES5</b>	Lutron, Ecosystem 5% Dimming
<b>LUT-2W</b>	Lutron, 2-wire (120v only) 1% Dimming
<b>LUT-TW</b>	Lutron T-Series, EcoSystem 1% Dimming, <i>Tunable White</i>

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

# Acoustic

## HP-2 Acoustic Baffle Lit

### SPECIFICATIONS

#### BODY TYPE

**CONSTRUCTION:** Lighting luminaire body is precision-cut 6061-T6 extruded aluminum. Internal joiner system, plug-together wiring are standard. Acoustic housing is 100% Polyester fiber, joined with double-coated tape and adhesive.

**LENGTHS:** Independent sections available in 4' and 8' lengths. Acoustic housing walls are 1/2" thick and add 1" to total length.

#### OUTPUT AND LED TYPE

**LIGHT OUTPUT:** Four lumen packages available, Standard (**S**), Boosted Standard (**B**), High (**H**), and Very High (**V**). A separate chart summarizes lumen distribution and wattage. For Tailored Outputs outside of range from Standard (**S**) to Very High (**V**), consult factory. Light engines are replaceable.

#### MECHANICAL/OPTICAL OPTIONS

**DOWNLIGHT OPTION:** 8' maximum diffuser length. Flush (**F**) frost white snap-in diffuser, standard; 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Available with Flush (**F**), Bottom Glow (**BG**), 1" Drop Down Lens (**DL**), White Cross Blade Baffle (**WCB**)<sup>1</sup>, Hollowed Ellipse Louver (**LHE**)<sup>1</sup>, Hex Louver (**LHC**)<sup>1</sup>, and Regressed downlight diffusers (**RG**)<sup>1</sup>. 1" Drop Down Lens made of highly efficient acrylic. Available with a solid endcap or an endcap with a diffuse filler to continue the luminous aesthetic.

**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:** 18-gauge/5-conductor single-circuit feed, standard. 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 luminaire 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%. Dimming to 1% available; Consult factory. 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** (Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series))
- **LUTES5** (5-Series 5% EcoSystem (LDE5 Series))
- **LUT2W** (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** ≥ 0.9
- **Total Harmonic Distortion (THD):** <20%
- **Dimming Range:** 100% - 10%
- **Expected driver lifetime:** 100,000 hours
- FineTune DMX is 1%

**LUTRON TUNABLE WHITE DRIVER OPTION: LUTDTW** (1% T-Series 2-Channel Digital Tunable White (PSQ Series)).

#### MOUNTING OPTIONS

**HANGING HARDWARE:** 50" Fully Adjustable (**FA**) steel-plated aircraft cable with safety stop hardware standard. Contact factory for additional lengths up to 150". The Flexible Mounting Bracket (**FM**) adjusts the suspension points to accommodate existing architecture.. Suspension points adjust up to 2' in from the end of 8' luminaire and up to 1' in on a 4' luminaire.

**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 luminaire runs. If a non-FineTune DMX system is specified, a DMX to RJ45 adapter is provided.

<sup>1</sup> Pendant Regressed Direct only

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

# Acoustic

## HP-2 Acoustic Baffle Lit

### SPECIFICATIONS

#### OTHER OPTIONS

**ENDCAPS:** Flat diecast aluminum endcaps add 1/4" to each end of luminaire. 1" Drop Down Lens Endcap (**DE**) includes diffuse element to continue luminance of drop lens. Open Endcap (**OE**) is for use with the Hollowed Ellipse Louver (**LHE**); following the curve of the louver

**EMERGENCY STYLE:** Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery. Factory choice low-profile backup battery available. 8' minimum luminaire length for low profile battery pack. Bodine BSL310LP battery pack also available, 4' minimum luminaire length. Backup batteries deliver 1608 lumens. 8' minimum luminaire length. 2' illuminated.

#### TUNABLE WHITE ELECTRICAL OPTIONS <sup>2</sup>:

- **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

**INTEGRATED SENSORS:** Integrated PIR (Passive Infrared) occupancy or daylight sensors available with Flush and Bottom Glow downlight diffusers. Refer to Occupancy Sensor and Daylight Sensor tech sheets for more info.

**FINISHES:** Finelite Signal White (**SW**) powder coat, standard. Finelite Black (RAL 9005) with semi gloss fine texture (**FB**) <sup>3</sup>, Satin Aluminum (**SA**) <sup>3</sup>, and 185 RAL colors <sup>3</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, contact factory for more details. These luminaires 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.

#### ACOUSTIC

**NRC:** Noise Reduction Coefficient (NRC) is measured at six frequencies: 125Hz, 250Hz, 500Hz, 1,000Hz, 2,000Hz, and 4,000 Hz expressed to the nearest integral multiple of 0.05. Apparent NRC up to 1.15.

**HEIGHTS:** Housing Heights of 8" and 12" available. All heights are compatible with both Direct and Direct Regressed Luminaire Type.

**COLORS:** Pewter (**PEW**) and Slate (**SLA**), standard. 18 Extended color options available <sup>4</sup>.

#### WEIGHT <sup>5</sup>:

- 4' x 8" 11.9 lbs
- 4' x 12" 13.4 lbs
- 8' x 8" 23.2 lbs
- 8' x 12" 25.7 lbs

**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>2</sup> Consult Finelite for Generator Transfer Device and Battery Back-up fit

<sup>3</sup> 20 Business day lead time for color

<sup>4</sup> Consult factory for extended acoustic housing color options

<sup>5</sup> Excludes Battery Back-up and Generator Transfer Device weight

### COLOR OPTIONS

#### Standard

#### Extended

Consult factory for extended acoustic housing color options



Pewter (**PEW**)



Sky (**SKY**)



Cobalt (**COB**)



Bark (**BAR**)



Tar (**TAR**)



Fossil (**FOS**)



Greige (**GRE**)



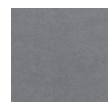
Cadet (**CAD**)



Malachite (**MAL**)



Ocher (**OCH**)



Slate (**SLA**)



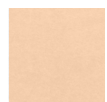
Mandarine (**MAN**)



Grass (**GRA**)



Sunshine (**SUN**)



Ecru (**ECR**)



Linen (**LIN**)



Chambray (**CHA**)



Ivory (**IVO**)



Frost (**FRO**)



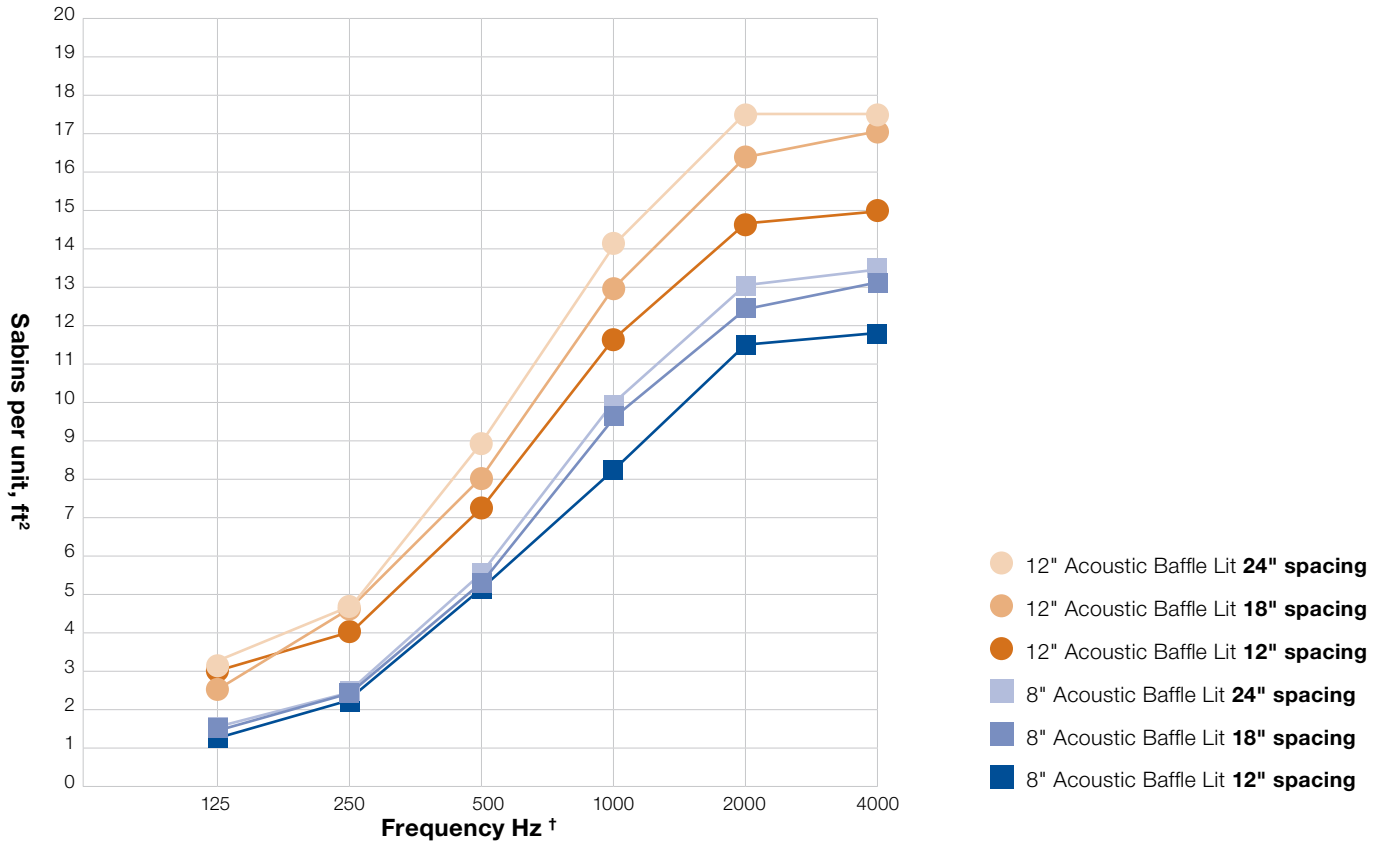
Smoke (**SMO**)

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

# Acoustic

## HP-2 Acoustic Baffle Lit

### Acoustic Performance Graph Sabins by Frequency



### Acoustic Product Properties Per-Unit Sabins, Apparent NRC & SAA

Product	Spacing	Sabins (ft <sup>2</sup> of sound absorption area) per Unit						Equivalent ceiling treatment †	
		125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	Apparent NRC	Apparent SAA
HP-2 Acoustic Baffle Lit 12"	Spaced 24"	3.13	4.77	8.91	14.16	17.41	17.41	0.70	0.69
	Spaced 18"	2.54	4.65	8.04	13.09	16.37	17.07	0.85	0.87
	Spaced 12"	3.06	4.07	7.25	11.67	14.67	15.00	1.15	1.16
HP-2 Acoustic Baffle Lit 8"	Spaced 24"	1.50	2.49	5.57	9.91	13.07	13.55	0.50	0.48
	Spaced 18"	1.47	2.38	5.35	9.68	12.40	13.15	0.60	0.61
	Spaced 12"	1.33	2.24	5.23	8.29	11.46	11.85	0.85	0.84

† 1/3 octave band test results presented and 1/1 octave band center frequencies

‡ Apparent NRC & SAA ratings were calculated from the measured total absorption in Sabins divided by the area of a projected horizontal plane that encompasses the set of objects. This provides an accurate comparison to 2-dimensional ceiling surface treatment options.



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

# Acoustic

## HP-2 Acoustic Baffle Lit

### Direct Photometry

#### 4' Luminaire 3500k

**HP2-P-D-V-835-F**

**Downlight:** Flush Diffuser

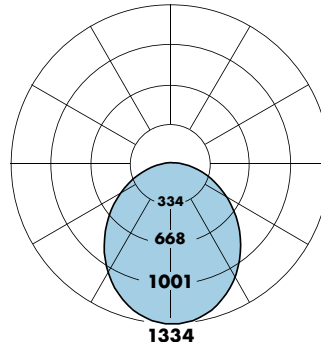
**Efficacy:** 87 lm/W

**Total luminaire output:** 3215 lumens (804 lm/ft)  
36.9 watts (9.2 W/ft)

**Peak Candela Value:** 1334 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85136



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	Flux
0	1334	1334	1334	1334	1334	1334
5	1327	1326	1326	1325	1324	126
15	1263	1252	1251	1244	1236	352
25	1133	1117	1109	1088	1075	508
35	958	942	923	896	887	576
45	762	747	725	697	686	558
55	563	551	532	509	500	475
65	374	365	351	337	331	349
75	206	201	195	188	184	207
85	62	61	59	57	57	66
90	0	0	0	0	0	

#### 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>
1316	1655	2501	3215

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
329	414	625	804

#### Power, 3500K (Watts Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
3.6	4.6	7.1	9.2

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
91	90	88	87

#### Sample Lumen Adjustment Calculation

#### Lumen Adjustment Factors 80 CRI

<b>3000K</b>	0.985
<b>3500K</b>	1.000
<b>4000K</b>	1.032

#### Lumen Adjustment Factors 90 CRI

<b>3000K</b>	0.746
<b>3500K</b>	0.760
<b>4000K</b>	0.789

High Output (H), 4000K, 90 CRI

**Lumen Adjustment Factor:** 0.789

**Total Light Output:** 2501 lm x 0.789 = 1973 lm

**Total Light Output per Foot:** 625 lm/ft x 0.789 = 493 lm/ft.

**watts/foot:** 7.1 W/ft.

$$\text{Efficacy} = \frac{493 \frac{\text{lm}}{\text{ft.}}}{7.1 \frac{\text{W}}{\text{ft.}}} = 69 \text{ lm/W}$$

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

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

<sup>2</sup> Based on ITL report: 85136

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

# Acoustic

## HP-2 Acoustic Baffle Lit

### Direct Photometry

#### 4' Luminaire 3500k

#### HP2-P RG-D-V-835-F

**Downlight:** Regressed Diffuser

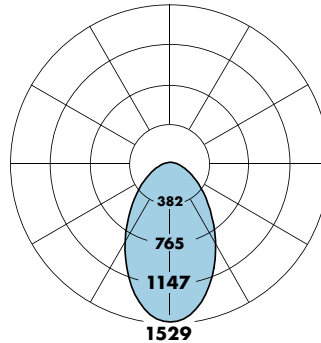
**Efficacy:** 79 lm/W

**Total luminaire output:** 2887 lumens (722 lm/ft)  
36.7 watts (9.2 W/ft)

**Peak Candela Value:** 1529 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 90350



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	Flux
0	1529	1529	1529	1529	1529	1529
5	1520	1518	1513	1507	1504	143
15	1443	1412	1370	1327	1309	385
25	1293	1224	1131	1049	1017	523
35	1086	993	862	757	722	550
45	855	749	608	511	482	490
55	624	516	392	322	305	380
65	212	141	103	95	94	131
75	212	141	103	95	94	131
85	57	32	28	26	26	36
90	0	0	0	0	0	

#### 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>
1182	1486	2245	2887

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
295	371	561	722

#### Power, 3500K (Watts Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
3.6	4.6	7.0	9.2

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
82	81	80	79

#### Sample Lumen Adjustment Calculation

#### Lumen Adjustment Factors 80 CRI

<b>3000K</b>	0.985
<b>3500K</b>	1.000
<b>4000K</b>	1.032

#### Lumen Adjustment Factors 90 CRI

<b>3000K</b>	0.746
<b>3500K</b>	0.760
<b>4000K</b>	0.789

High Output (H), 4000K, 90 CRI

**Lumen Adjustment Factor:** 0.789

**Total Light Output:** 2245 lm x 0.789 = 1771 lm

**Total Light Output per Foot:** 561 lm/ft x 0.789 = 443 lm/ft.

**watts/foot:** 7.0 W/ft.

$$\text{Efficacy} = \frac{443 \frac{\text{lm}}{\text{ft.}}}{7.0 \frac{\text{W}}{\text{ft.}}} = 63 \text{ lm/W}$$

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

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

<sup>2</sup> Based on ITL report: 90350



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

# 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

## PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

POWER	CONVERSION FACTOR
	<b>1.1X</b>

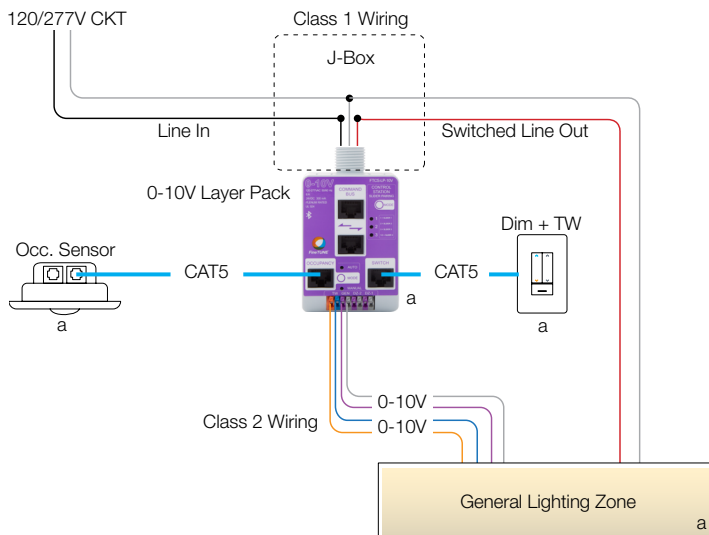
(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

## LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Direct	Section Lengths						
	2'	3'	4'	5'	6'	7'	8'
Output S,B,H,V Single Circuit	Rows can be comprised of 4' or 8' sections.						
Integral Battery Backup (BSL310LP)	✓						

EN/GEN sections available for all body lengths

## WIRING DIAGRAM - DIMMABLE TO 10%



Luminaire Wiring

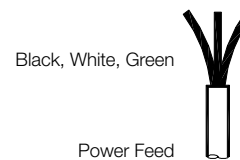
- **Purple (+) / Gray (-)** control wires are for intensity control
- **Orange (+) / Blue (-)** control wires are for Tunable White control

**Note:**

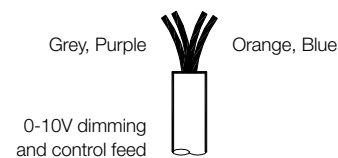
Load or Dim to Off options available.



## DUAL FEED DETAIL



WIRING LEGEND		
<b>Black</b>	Hot	Line Voltage
<b>White</b>	Neutral	Line Voltage
<b>Green</b>	Ground	



WIRING LEGEND		
<b>Grey</b>	Dimming	0-10V DC
<b>Purple</b>	Dimming	0-10V DC
<b>Orange</b>	TW	0-10V DC
<b>Blue</b>	TW	0-10V DC