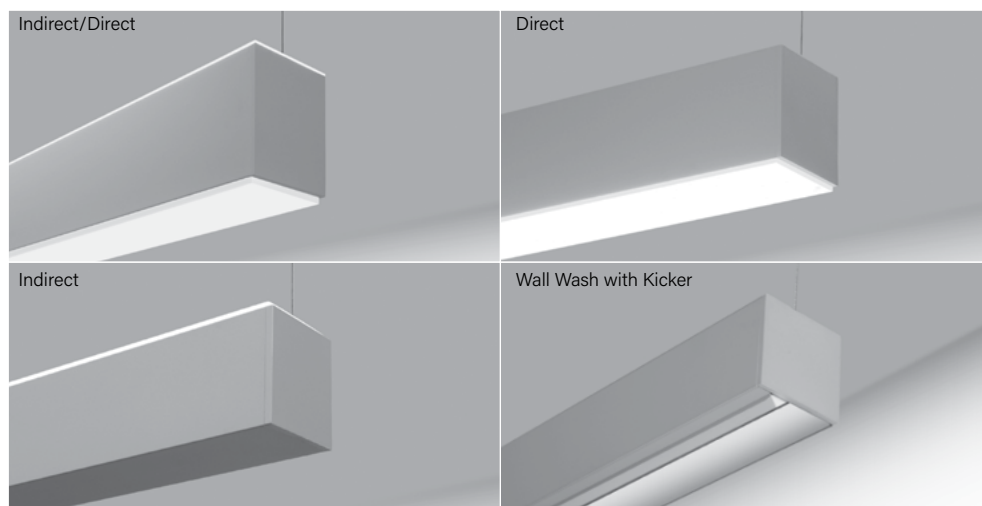


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) Pendant



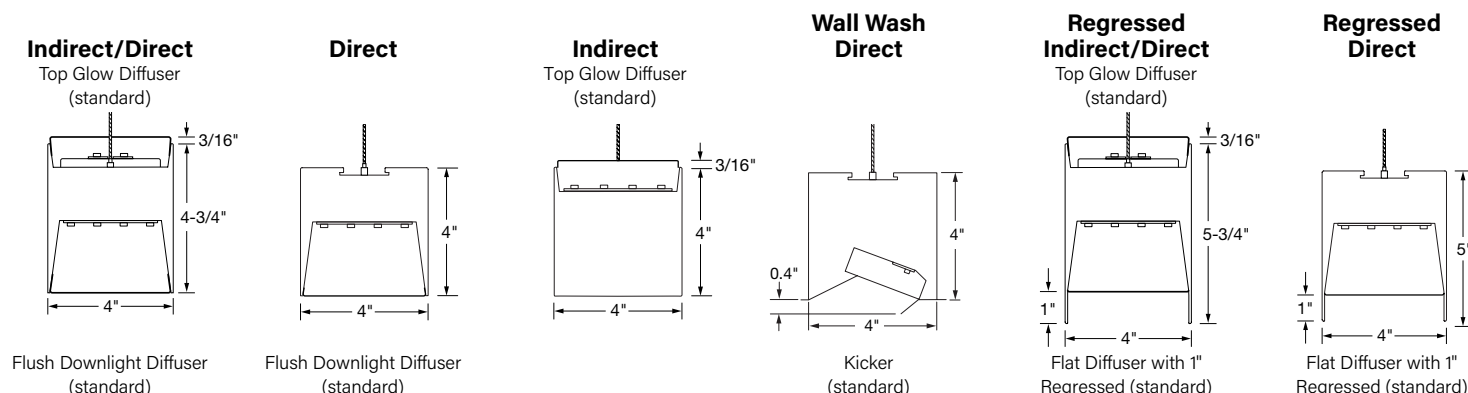
High Performance 4" Aperture is a patented, linear LED luminaire family. HP-4 delivers excellent performance using an advanced optical design and mid-power LEDs. Achieving 90% of initial light output at 100,000+ hours and backed by a 10-year performance-based warranty on all standard components.

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.

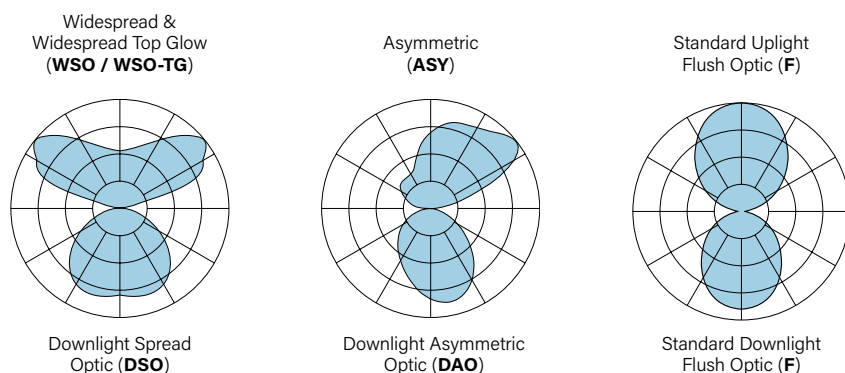
Signal White is standard finish

Note: see page 6 for all aesthetic options

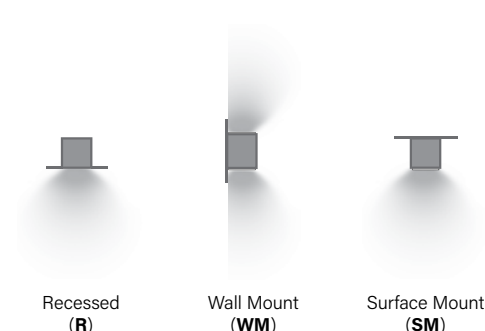
CROSS SECTIONS



OPTIC OPTIONS



ALSO AVAILABLE IN



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

High Performance 4" Aperture (HP-4) Pendant

BODY TYPE

OUTPUT AND LED TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Uplight Output ID & I Only (Flush)	Downlight Output ID & D Only (Flush) ¹
HP - High Performance	4	P - Pendant P RG - Pendant Regressed ¹ (Wall Wash not available)	D - Direct WW-D - Wall Wash Direct ID - Indirect/Direct I - Indirect	Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.	S - Standard (428 lm/ft) B - Boosted (538 lm/ft) H - High (813 lm/ft) V - Very High (1045 lm/ft) TL - Tailored: _____lm/ft*	S - Standard (379 lm/ft) B - Boosted (477 lm/ft) H - High (721 lm/ft) V - Very High (927 lm/ft) TL - Tailored: _____lm/ft*

Lumen provided above are for Flush lens only, see pg. 11 for WW lumens.
* Specify Tailored 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	Uplight Optics ID & I Only	Downlight Optics ID & D Only ¹	Reflector System	Voltage
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	TG - Top Glow (standard) F - Flush ASY-L - Asymmetric Left Optic ASY-R - Asymmetric Right Optic ASYTG-L - Asymmetric Left Optic with Top Glow ASYTG-R - Asymmetric Right Optic with Top Glow WSO - Widespread Optic WSOTG - Widespread Optic with Top Glow	F - Flush (standard) ² BG - Bottom Glow ² DL - 1" Drop Down Lens ² DAO-L - Downlight Asymmetric Optic Left ^{2,3} DAO-R - Downlight Asymmetric Optic Right ^{2,3} DSO - Downlight Spread Optic ^{2,3} FO - Fully Open for Wall Wash only K - Kicker for Wall Wash only (standard) ⁴ RG-D - Flat Diffuser with 1" Regress ^{2,5} RG-WCB - White Cross Blade Baffle ^{2,5} RG-LHE - Hollowed Ellipse Louver ^{2,5} RG-LHC - Hex Louver ^{2,5}	96LG - 96 Low Gloss White SSA - Semi-Specular Aluminum for Wall Wash only	120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage
				Circuiting ⁶
				SC - Single Circuit* One single circuit in a run DC - Dual Circuit** Independent control of up and down separately in an I/D style fixture 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

OTHER OPTIONS

Driver Selection	Mounting Method	Endcap Style	Finish
0-10V Driver Options FC-10% - 0-10V 10% (standard) FC-1% - 0-10V 1% OTI-10% - EldoLED OTI, 0-10V 10% ⁸ OTI-1% - EldoLED OTI, 0-10V 1% ⁹ ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% 10V-TW-10% - EldoLED OTI, 0-10V 10% (Tunable White) ⁸ DALI Driver Options FC-DALI-1% - DALI 1% DXL-DALI-1% - EldoLED 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) ⁹ ELD-DMX - EldoLED POWERdrive, 0.1% ELD-DMX-TW - EldoLED POWERdrive, 0.1% (Tunable White) Lutron Driver Options LUT-ES1 - Lutron, Ecosystem 1% LUT-TW - Lutron T-Series, EcoSystem 0.1% (Tunable White) See Page 3 for additional driver options and details	FA50 - Fully Adjustable 50" (standard) FA100 - Fully Adjustable 100" FA150 - Fully Adjustable 150" FA200 - Fully Adjustable 200" FA250 - Fully Adjustable 250" FA300 - Fully Adjustable 300" FM - Flexible Mounting ¹⁰ Ceiling Hardware Type C1 - 15/16" T-Bar C2 - 9/16" T-Bar C3 - Screw Slot C4 - Hard Ceiling C1T - 15/16" Tegular C2T - 9/16" Tegular	FE - Flat Endcap (standard) DE - 1" Drop Endcap ¹¹ OE - Open Endcap ¹² SW - Signal White (standard) FB - Finelite Black SA - Satin Aluminum #### - RAL Color Code ¹³

OTHER OPTIONS

Emergency Style (Optional) See page 5 Backup Battery table	Integrated Sensor (Optional)	Special Options (Optional)
LGD18W - Legrand 18W Brand Battery Back-up LGD10W - Legrand 10W Brand Battery Back-up BSL722 - Bodine Battery Back up BSL310LP - Bodine Battery Back up Low Profile EM/GEN - Emergency to Generator NL - Night Light GTD - Generator Transfer Device ALCR - Automatic Load Control Relay See Backup Battery table on page 5 for fitment limitations	OBO - Occupancy ² OBD - Daylight ² W601 - Wattstopper Sensor ¹⁴ OBE - Enlighted Sensor ¹⁵ REE - Remote Enlighted ¹⁶ CLM - Encelium Sensor RE7 - nLight Air Sensor	AOCC-W - Lutron Athena Sensor ¹⁷ (Device Color White) AOCC-B - Lutron Athena Sensor ¹⁷ (Device Color Black) ARF-W - Lutron Athena RF ¹⁷ (Device Color White) ARF-B - Lutron Athena RF ¹⁷ (Device Color Black) VOCC - Lutron Vive Sensor ¹⁸ VRF - Lutron Vive RF ¹⁸ CP - Chicago Plenum ¹⁹ RLA - Red List Approved RLD - Red List Declared

¹ Not available with Indirect

² Not available with Wall Wash

³ Not available with Regressed or Curves

⁴ Kicker standard in Signal White. Customer Custom color kickers have a surcharge

⁵ Pendant Regressed only

⁶ Contact factory for switching options

⁷ Indirect/Direct only

⁸ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)

⁹ B & V outputs only

¹⁰ Direct only

¹¹ 1" Drop Down Lens downlight only

¹² Available with Hollowed Ellipse Louver (LHE) only

¹³ 20 business days lead time for color

¹⁴ LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected.

¹⁵ LMFS-601 w/ DALI driver, only 1 driver can be connected.

¹⁶ Enlighted components installed by Finelite, provided by others

¹⁷ Enlighted for Wall Wash fixtures. Enlighted Control Unit & Sensor Cable installed for Remote mounting sensor

¹⁸ 0-10V Drivers - AOCC up to 10 drivers may be connected; ARF up to 40 drivers may be connected

¹⁹ DALI Drivers - AOCC & ARF up to 4 drivers can be connected

²⁰ Lutron Vive Integrated Sensors require a DALI driver. Contact factory for Indirect Distribution.

²¹ Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox

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

High Performance 4" Aperture (HP-4) Pendant

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)
10V-TW-10%	EldoLED OTi, 0-10V 10% Dimming, Tunable White (Linear)
10V-TW-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, Tunable White (Linear)
OTi-10%	EldoLED OTi, 0-10V 10% Dimming (Linear)
OTi-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off (Linear)
OTi-1%	EldoLED OTi, 0-10V 1% Dimming (Linear)
OTi-1%-DTO	EldoLED OTi, 0-10V 1% Dimming, Dim-to-Off (Linear)

DALI Driver Options

FC-DALI-1%	Factory Choice, DALI 1% Dimming (Logarithmic)
ODXL-DALI-1%	EldoLED 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-TW	Lutron T-Series, EcoSystem 0.1% Dimming, Tunable White

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

High Performance 4" Aperture (HP-4) Pendant

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision-cut 6061-T6 extruded aluminum body. Internal joiner system, plug-together wiring, standard.

LENGTHS: Any length, 2' minimum, in increments down to 1/16" ($\pm 1/32"$). 12' maximum section length. Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**), and White Cross Blade Baffle (**WCB**) are available in 1' increments.

MITERED CORNERS¹: Illuminated corners of greater than 60° and less than 180° in a single plane, available with Flush Diffuser, Bottom Glow Diffuser, Regressed Diffuser, or White Cross Blade Baffle³. Corners not available with Wall Wash (**WW-D**), Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**), or 1" Drop Down Lens. Consult factory for tailored lighting options.

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

UPLIGHT OPTION⁴: Patented Top Glow frost white diffuser standard. 12 ft. maximum diffuser length. 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination options include: Flush frost white snap-in diffuser, 73% transmissive, 99% diffusion; Widespread Optic (**WSO**) and Widespread Optic with Top Glow (**WSOTG**); WSO enables increased luminaire spacing with improved ceiling uniformity. Asymmetric optic directs light in a specific direction. **ASY-L** distributes light to the left, **ASY-R** distributed light to the right of the luminaire. Consult factory for more tailored lumen outputs.

DOWNLIGHT OPTION⁵: 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**), Bottom Glow (**BG**), 1" Drop Down Lens (**DL**), White Cross Blade Baffle (**WCB**)⁶, Hollowed Ellipse Louver (**LHE**)⁶, Hex Louver (**LHC**)⁶, Downlight Spread Optic (**DSO**), Downlight Asymmetric Optic Left and Right (**DAO-L**, **DAO-R**), and Regressed downlight diffusers (**RG**)⁶. 1" Drop Down Lens made of acrylic. Available with a solid endcap or an endcap with a diffuse filler to continue the luminous aesthetic. Downlight Spread Optic (**DSO**) & Downlight Asymmetric Optic (**DAO**) are an extruded lenses with a subtle ribbed appearance providing desired improved optical performance. 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. The standard Semi-Specular Aluminum (**SSA**) Kicker (**K**) reflector delivers light high on the vertical surface. The Kicker reflector can be easily removed for open distribution (**FO**).

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 DRIVER OPTIONS:

LUT-ES (LDE1) - (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

FineTune DMX: 1%

LUTRON TUNABLE WHITE DRIVER OPTION: LUT-TW (0.1% 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. 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' or 12' fixture lengths and up to 1' in on shorter lengths. Consult factory for tailored lighting options.

¹ Not available with Wall Wash

² Indirect/Direct and Direct only

³ White Cross Blade (WCB) baffles not available with custom angles. Available in 90 degrees only

⁴ Pendant Indirect/Direct, Pendant Regressed Indirect/Direct, and Pendant Indirect only

⁵ Pendant Indirect/Direct, Pendant Regressed Indirect/Direct, Pendant Direct, and Pendant Regressed Direct only

⁶ Pendant Regressed Indirect/Direct & Pendant Regressed Direct only

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

High Performance 4" Aperture (HP-4) Pendant

SPECIFICATIONS

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: Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire. 1" Drop Down Lens Endcap (**DE**)⁸ 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.

Backup Battery		
	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP4-P-D		
Min. Housing Length	8'	4'
EM Lumen Output	1854	1102
EM Section Illum.	2'	2' or 4'
HP4-P-WW-D		
Min. Housing Length	8' [*]	4' [*]
EM Lumen Output	2000	1189
EM Section Illum.	4'	4'
HP4-P-ID		
Min. Housing Length	8'	4'
EM Lumen Output	1854	1102
EM Section Illum.	2'	2' or 4'
HP4-P-I		
Min. Housing Length	8'	4'
EM Lumen Output	2057	1222
EM Section Illum.	2'	2' or 4'

^{*} Minimum fixture housing length for battery pack approved without sensor

Bodine GTD and Legrand ALCR Min. Length

Configuration	Min Length
Generator	D-2'; ID-3'
Generator + OCC	D-2'; ID-3'
Daylight	D-2'; ID-3'
Generator + Daylight	D-2'; ID-3'

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 (**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 colors¹⁰ 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.

WEIGHT¹¹: ID - 3.4 lb/ft; D - 2.8 lb/ft; I - 2.8 lb/ft; WW - 2.9 lb/ft

DLC QUALIFIED: Contact factory

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

⁸ Available in Indirect/Direct Regressed & Direct Regressed only
⁹ Consult Finelite for Generator Transfer Device and Battery Backup fit
¹⁰ 20 business days lead time for color
¹¹ Excludes Battery Backup and Generator Transfer Device weight

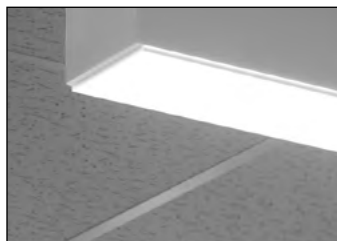
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) Pendant

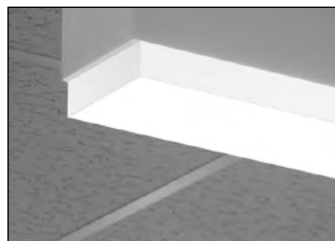
AESTHETIC OPTIONS



Flush Diffuser (**F**)



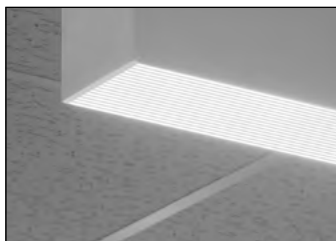
Bottom Glow Diffuser (**BG**)



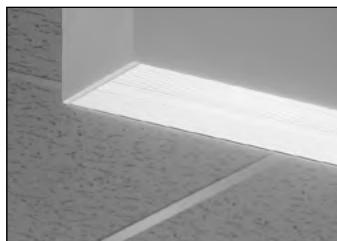
1" Drop Down Lens (**DL**)



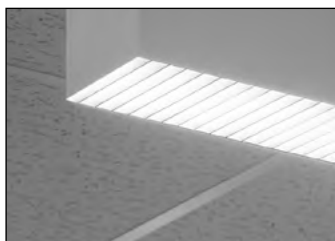
Flat Diffuser with 1" Regressed (**RG-D**)



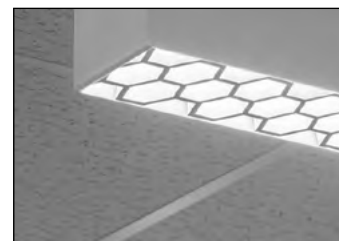
Downlight Spread Optic (**DSO**)
Externally flush



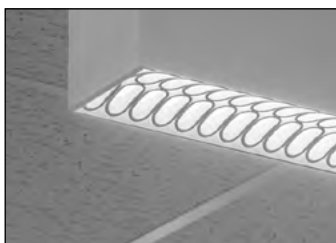
Downlight Asymmetric Optic (**DAO**)
Externally flush



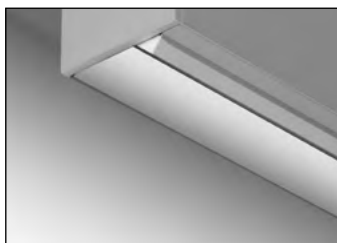
White Cross Blade Baffle¹ (**RG-WCB**)



Hex Louver¹ (**RG-LHC**)



Hollowed Ellipse Louver¹ (**RG-LHE**)



Kicker (**K**) - Wall Wash only

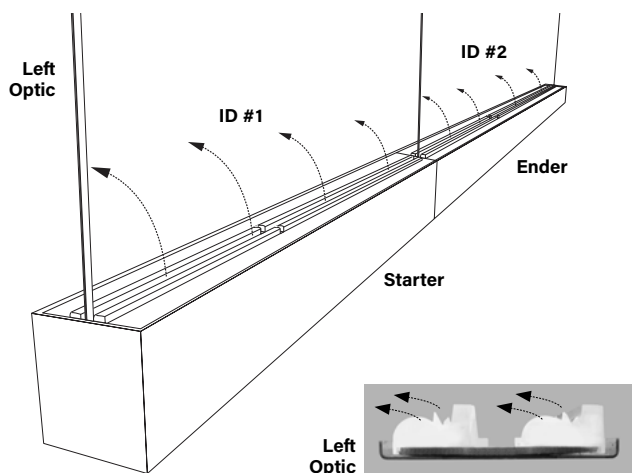
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) Pendant

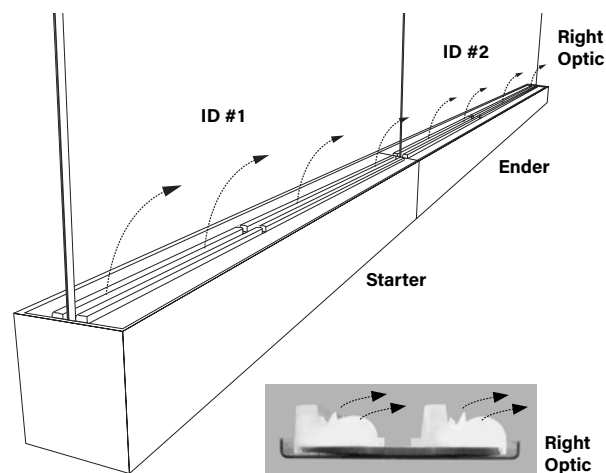
ASYMMETRIC OPTIONS

Use this tool to understand how to specify Asymmetric for your project. The diagrams below show a linear run from power feed to ender. Specify ASY-L distributes light to the left or ASY-R distributes light to the right.

Asymmetric Left Optic (ASY-L)



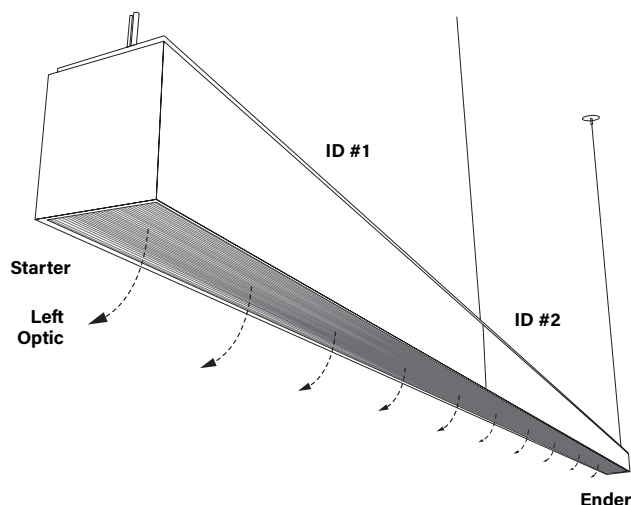
Asymmetric Right Optic (ASY-R)



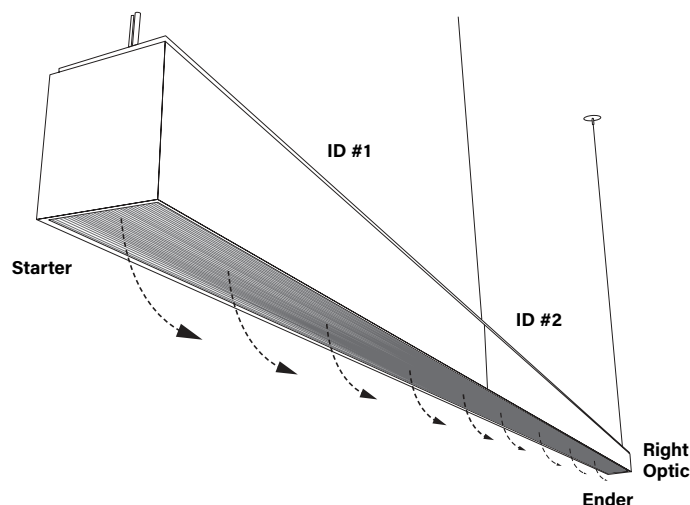
DOWNLIGHT ASYMMETRIC OPTIONS

Use this tool to understand how to specify Downlight Asymmetric for your project. The diagrams below show a linear run from power feed to ender. Specify DAO-L distributes light to the left or DAO-R distributes light to the right.

Downlight Asymmetric Optic Left (DAO-L)



Downlight Asymmetric Optic Right (DAO-R)



PREINSTALLED LABEL



For DAO, Preinstalled label on diffuser shows direction of light. Remove after installation.

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

High Performance 4" Aperture (HP-4) Pendant

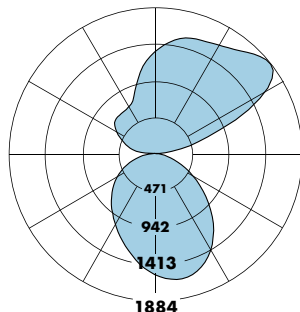
Indirect/Direct Photometry - 4' Luminaire 3500K

HP4-P-ID-4'-V-V-835-ASY-L-DAO

Uplight: Asymmetric Left / **Downlight:** Downlight Asymmetric Optic

Distribution: 53% Up (V) / 47% Down (V)
Efficacy: 115 lm/W
Uplight: 4436 lumens (1108 lumens/foot)
Downlight: 3884 lumens (971 lumens/foot)
Total luminaire output: 8320 lumens (2080 lm/ft)
 72.5 watts (18.1 W/ft)

CRI: 80 / CCT: 3500K
 ITL LM79 Report 89988 and 94331

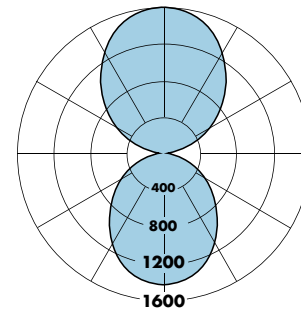


HP4-P-ID-4'-V-V-835

Uplight: Flush Diffuser / **Downlight:** Flush Diffuser

Distribution: 53% Up (V) / 47% Down (V)
Efficacy: 106 lm/W
Uplight: 4180 lumens (1045 lumens/foot)
Downlight: 3706 lumens (927 lumens/foot)
Total luminaire output: 7886 lumens (1972 lm/ft)
 74.1 watts (18.5 W/ft)

Peak Candela Value: 1600 @ 180°
 CRI: 80 / CCT: 3500K
 ITL LM79 Report 85125



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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↑S ¹	3406 [153% 47%↓]	3873 [159% 41%↓]	5040 [169% 31%↓]	6026 [174% 26%↓]
↑B ¹	3815 [147% 52%↓]	4282 [153% 47%↓]	5449 [163% 37%↓]	6435 [169% 31%↓]
↑H ¹	4837 [138% 62%↓]	5304 [143% 57%↓]	6471 [153% 47%↓]	7457 [160% 40%↓]
↑V ²	5700 [132% 68%↓]	6167 [137% 63%↓]	7344 [147% 53%↓]	8320 [153% 47%↓]

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↑S ¹	851	968	1260	1506
↑B ¹	954	1070	1362	1609
↑H ¹	1209	1326	1618	1864
↑V ²	1425	1542	1834	1995

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↑S ¹	7.1	8.1	10.5	12.6
↑B ¹	8.1	9.0	11.5	13.6
↑H ¹	10.5	11.5	13.9	16.0
↑V ²	12.6	13.6	16.0	18.1

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↑S ¹	120	120	120	120
↑B ¹	118	119	119	119
↑H ¹	115	116	116	116
↑V ²	113	114	115	115

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 reports: 89988 and 94331

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↑S ¹	3228 (153% 47%↓)	3668 (159% 41%↓)	4768 (168% 32%↓)	5697 (173% 27%↓)
↑B ¹	3618 (147% 53%↓)	4058 (153% 47%↓)	5158 (163% 37%↓)	6087 (169% 31%↓)
↑H ¹	4594 (137% 63%↓)	5034 (143% 57%↓)	6134 (153% 47%↓)	7062 (159% 41%↓)
↑V ²	5417 (132% 68%↓)	5857 (137% 63%↓)	6957 (147% 53%↓)	7886 (153% 47%↓)

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↑S ¹	807	917	1192	1424
↑B ¹	905	1015	1290	1522
↑H ¹	1148	1258	1533	1766
↑V ²	1354	1464	1739	1972

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↑S ¹	7.3	8.2	10.7	12.9
↑B ¹	8.2	9.2	11.7	13.9
↑H ¹	10.7	11.7	14.2	16.4
↑V ²	12.9	13.9	16.4	18.5

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↑S ¹	111	111	111	111
↑B ¹	110	110	110	110
↑H ¹	107	107	108	108
↑V ²	105	106	106	106

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 reports: 85125

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	
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) / Standard Output (S), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 4768 lm x 0.789 = 3762 lm
Total Light Output per Foot: 1192 lm/ft x 0.789 = 940 lm/ft.
watts/foot: 10.7 W/ft.

$$\text{Efficacy} = \frac{940 \frac{\text{lm}}{\text{ft.}}}{10.7 \frac{\text{W}}{\text{ft.}}} = 88 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

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

High Performance 4" Aperture (HP-4) Pendant

Indirect/Direct Photometry - 4' Luminaire 3500K

HP4-P-RG-ID-4'-V-V-835

Uplight: Flush Diffuser / **Downlight:** Regressed Diffuser

Distribution: 56% Up (V) / 44% Down (V)

Efficacy: 108 lm/W

Uplight: 4406 lumens (1102 lumens/foot)

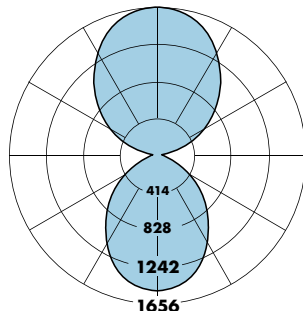
Downlight: 3531 lumens (883 lumens/foot)

Total luminaire output: 7937 lumens (1984 lm/ft)
73.2 watts (18.3 W/ft)

Peak Candela Value: 1656 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 90353



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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	3406 [↑53% 47%↓]	3873 [↑59% 41%↓]	5040 [↑69% 31%↓]	6026 [↑74% 26%↓]
↓B ¹	3815 [↑47% 52%↓]	4282 [↑53% 47%↓]	5449 [↑63% 37%↓]	6435 [↑69% 31%↓]
↓H ¹	4837 [↑38% 62%↓]	5304 [↑43% 57%↓]	6471 [↑53% 47%↓]	7457 [↑60% 40%↓]
↓V ²	5700 [↑32% 68%↓]	6167 [↑37% 63%↓]	7344 [↑47% 53%↓]	8320 [↑53% 47%↓]

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	851	968	1260	1506
↓B ¹	954	1070	1362	1609
↓H ¹	1209	1326	1618	1864
↓V ²	1425	1542	1834	1995

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	7.1	8.1	10.5	12.6
↓B ¹	8.1	9.0	11.5	13.6
↓H ¹	10.5	11.5	13.9	16.0
↓V ²	12.6	13.6	16.0	18.1

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	120	120	120	120
↓B ¹	118	119	119	119
↓H ¹	115	116	116	116
↓V ²	113	114	115	115

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 reports: 90353

HP4-P-D-4'-V-835

Downlight: Flush Diffuser

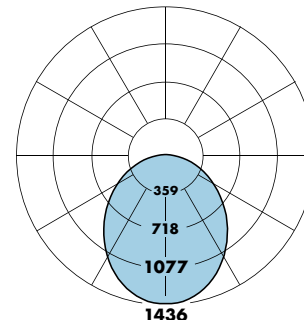
Efficacy: 100 lm/W

Total luminaire output: 3705 lumens (926 lm/ft)
37 watts (9.3 W/ft)

Peak Candela Value: 1436 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85124



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

S ¹	B ¹	H ¹	V ²
1517	1907	2882	3705

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

S ¹	B ¹	H ¹	V ²
379	477	720	926

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.1	9.3

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

S ¹	B ¹	H ¹	V ²
105	107	102	100

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 reports: 90353

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	
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) / Standard Output (S), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789

Total Light Output: 4872 lm x 0.789 = 3844 lm

Total Light Output per Foot: 1218 lm/ft x 0.789 = 961 lm/ft.
watts/foot: 10.6 W/ft.

$$\text{Efficacy} = \frac{961 \frac{\text{lm}}{\text{ft.}}}{10.6 \frac{\text{W}}{\text{ft.}}} = 91 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

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

High Performance 4" Aperture (HP-4) Pendant

Direct Photometry - 4' Luminaire 3500K

HP4-P-D-4'-V-835

Downlight: Flush Diffuser

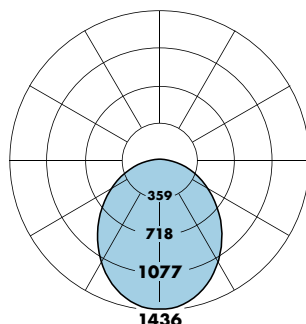
Efficacy: 100 lm/W

Total luminaire output: 3705 lumens (926 lm/ft)
37 watts (9.3 W/ft)

Peak Candela Value: 1436 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85124



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

S ¹	B ¹	H ¹	V ²
1517	1907	2882	3705

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

S ¹	B ¹	H ¹	V ²
379	477	720	926

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.1	9.3

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

S ¹	B ¹	H ¹	V ²
105	107	102	100

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 reports: 85124

HP4-P-D-4'-V-835-DAO

Downlight: Downlight Asymmetric Optic

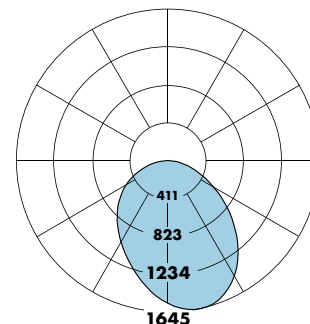
Efficacy: 109 lm/W

Total luminaire output: 3884 lumens (971 lm/ft)
35.6 watts (8.9 W/ft)

Peak Candela Value: 1645 @ 12.5°

CRI: 80 / CCT: 3500K

ITL LM79 Report 94331



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

S ¹	B ¹	H ¹	V ²
1590	1999	3021	3884

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

S ¹	B ¹	H ¹	V ²
397	500	755	971

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.5	4.4	6.8	8.9

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

S ¹	B ¹	H ¹	V ²
114	113	111	109

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 reports: 94331

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	
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: 2882 lm x 0.789 = 2274 lm

Total Light Output per Foot: 720 lm/ft x 0.789 = 568 lm/ft.
watts/foot: 71 W/ft.

$$\text{Efficacy} = \frac{568 \frac{\text{lm}}{\text{ft.}}}{7.1 \frac{\text{W}}{\text{ft.}}} = 80 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

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

High Performance 4" Aperture (HP-4) Pendant

Indirect Photometry - 4' Luminaire 3500K

HP4-P-I-4'-V-835

Uplight: Flush Diffuser

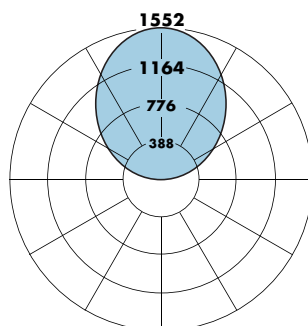
Efficacy: 112 lm/W

Total luminaire output: 4114 lumens (1029 lm/ft)
37 watts (9.2 W/ft)

Peak Candela Value: 1552 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85127



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S ¹	B ¹	H ¹	V ²
1684	2117	3200	4114

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S ¹	B ¹	H ¹	V ²
421	529	800	1029

Power, 3500K (Watts Per Foot)			
S ¹	B ¹	H ¹	V ²
3.6	4.6	7.1	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S ¹	B ¹	H ¹	V ²
117	116	113	112

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 reports: 85127

HP4-P-WW-D-K-4'-V-835

Downlight: With Kicker

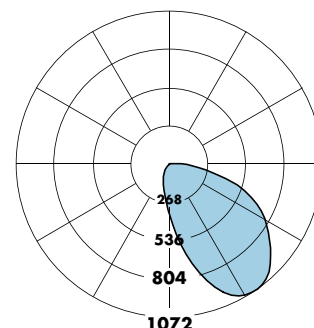
Efficacy: 92 lm/W

Total luminaire output: 1816 lumens (454 lm/ft)
21.5 watts (5.4 W/ft)

Peak Candela Value: 1072 @ 35°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85130



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S ¹	B ¹	H ¹	V ²
743	935	1412	1816

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S ¹	B ¹	H ¹	V ²
186	234	353	454

Power, 3500K (Watts Per Foot)			
S ¹	B ¹	H ¹	V ²
2.0	2.5	3.8	5.0

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S ¹	B ¹	H ¹	V ²
91	92	92	92

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 reports: 85130

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	
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: 2882 lm x 0.789 = 2274 lm

Total Light Output per Foot: 720 lm/ft x 0.789 = 568 lm/ft.
watts/foot: 71 W/ft.

$$\text{Efficacy} = \frac{568 \frac{\text{lm}}{\text{ft.}}}{7.1 \frac{\text{W}}{\text{ft.}}} = 80 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

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

High Performance 4" Aperture (HP-4) Pendant

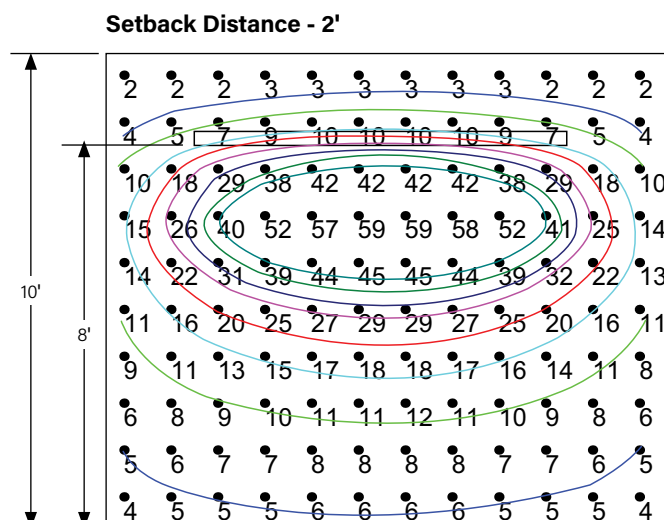
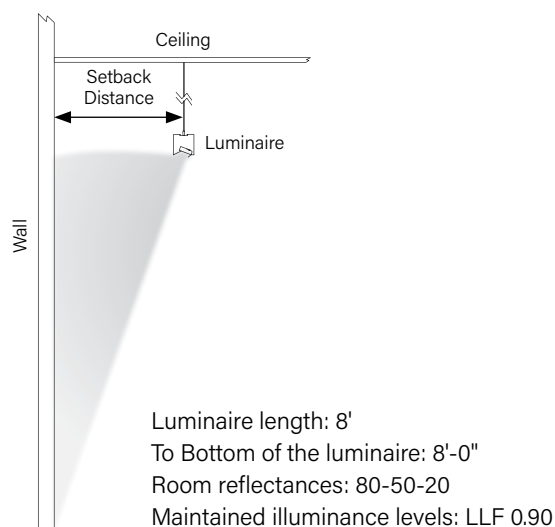
Wall Wash Direct - Setback Info and Application Data

HP4-P-WW-D-K-4'-V-835

Downlight: With Kicker

Total luminaire output: 1450 lumens (363 lm/ft)
19.1 watts (4.8 W/ft)

CRI: 80 / CCT: 3500K



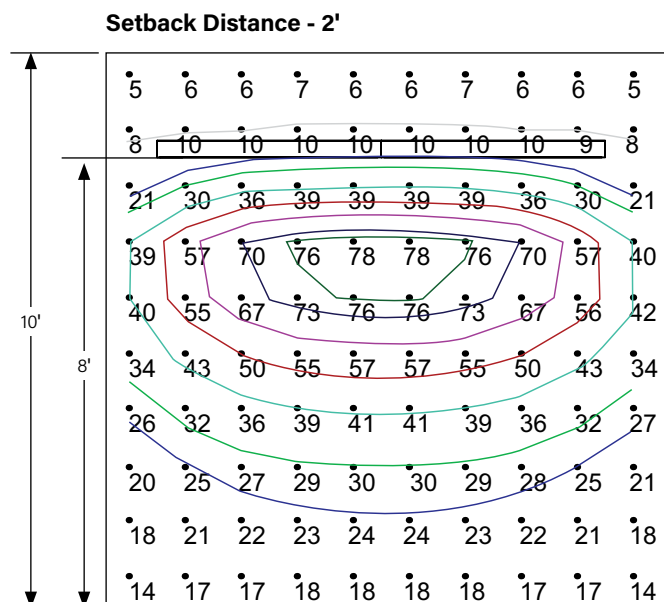
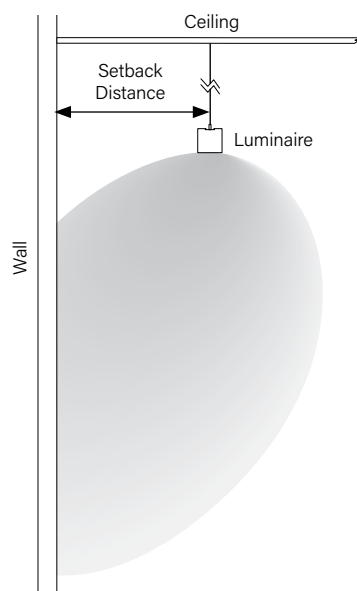
Downlight Asymmetric Optic - Setback Info and Application Data

HP4-P-D-4ft-V-835-DAO

Downlight: DAO

Total luminaire output: 3884 lumens (971 lm/ft)
35.6 watts (8.9 W/ft)

CRI: 80 / CCT: 3500K



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
	1.1X

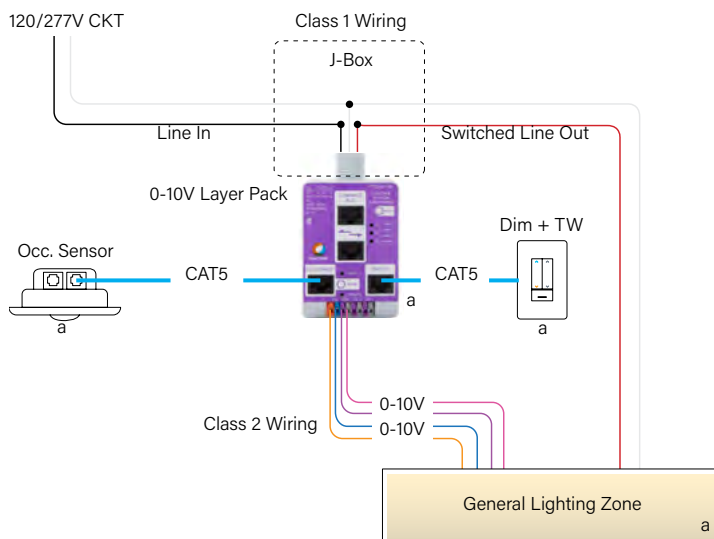
(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Direct	Section Lengths											
	2'	3'	4'	5'	6'	7'	8'	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

WIRING DIAGRAM - DIMMABLE TO 10%



Luminaire Wiring

- **Purple (+) / Pink (-)** 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

