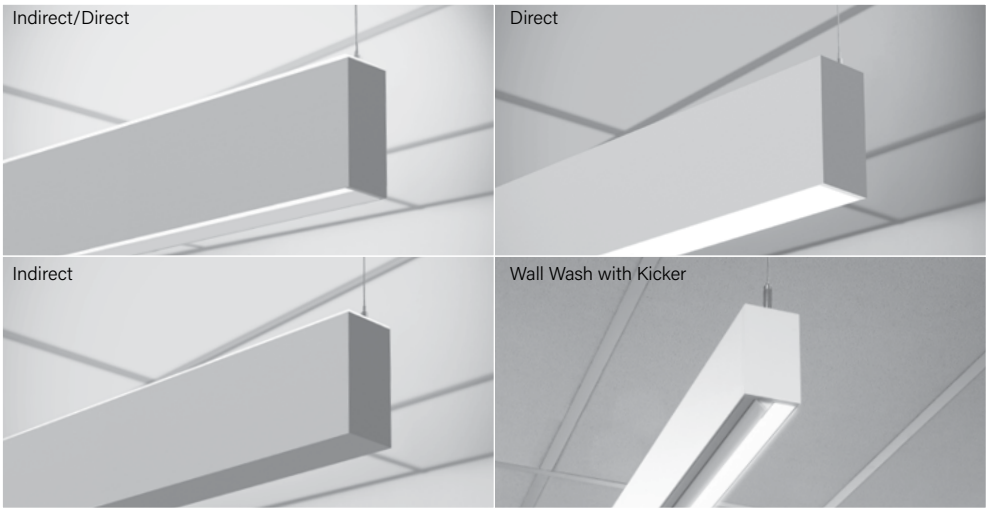
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

FINELITE®
Better Lighting

High Performance 2" Aperture (HP-2) Pendant



Signal White is standard finish

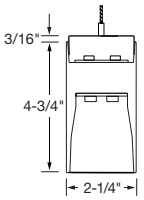
Note: see page 6 for all aesthetic options

High Performance 2" Aperture is a patented, linear LED luminaire family. HP-2 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.

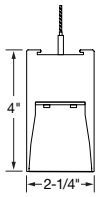
CROSS SECTIONS

Indirect/Direct
Top Glow Diffuser (standard)



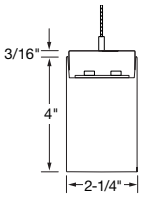
Flush Downlight Diffuser (standard)

Direct

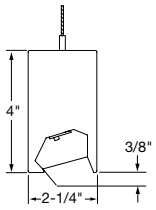


Flush Downlight Diffuser (standard)

Indirect
Top Glow Diffuser (standard)

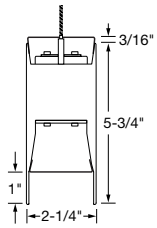


Wall Wash Direct



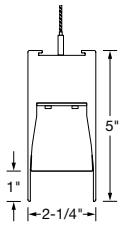
Kicker (standard)

Regressed Indirect/Direct
Top Glow Diffuser (standard)



Flat Diffuser with 1" Regressed (standard)

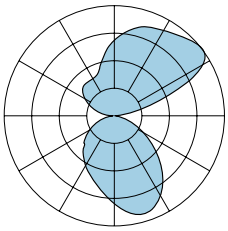
Regressed Direct



Flat Diffuser with 1" Regressed (standard)

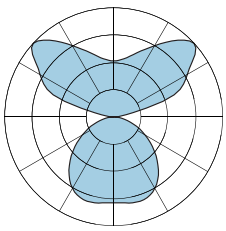
OPTIC OPTIONS

Asymmetric & Asymmetric Top Glow (**ASY / ASY-TG**)



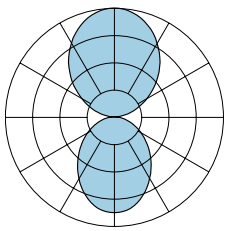
Downlight Asymmetric Optic (**DAO**)

Widespread & Widespread Top Glow (**WSO / WSO-TG**)



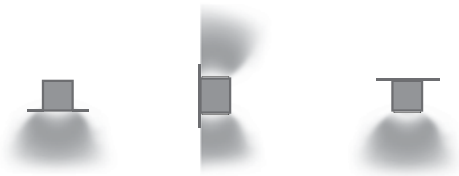
Downlight Spread Optic (**DSO**)

Standard Uplight Flush Optic (**F**)



Standard Downlight Flush Optic (**F**)

ALSO AVAILABLE IN



Recessed (**R**)

Wall Mount (**WM**)

Surface Mount (**SM**)

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FINELITE® Better Lighting

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Clear Form

Ordering Guide Example: HP - 2 - P - ID - 36' - S - S - 835 - F - BG - 96LG - 120 - DC - FC-10% - FA50 - C1 - FE - SW - LGD18W - OBO - CP

BODY TYPE

Platform
- ◉ **HP** - High Performance

Series Name
- ◉ **2**

Luminaire Type
- ◯ **P** - Pendant
- ◯ **P RG** - Pendant Regressed [1] (Wall Wash not available)

Luminaire Distribution
- ◯ **D** - Direct
- ◯ **WW-D** - Wall Wash Direct
- ◯ **ID** - Indirect/Direct
- ◯ **I** - Indirect

Total Length of Run
_____

Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.

OUTPUT and LED TYPE

Uplight Output ID & I Only (Flush)
- ◯ **S** - Standard (393 lm/ft)
- ◯ **B** - Boosted (494 lm/ft)
- ◯ **H** - High (747 lm/ft)
- ◯ **V** - Very High (961 lm/ft)
- ◯ **TL** - Tailored:_____lm/ft*

Downlight Output ID & D Only (Flush)
- ◯ **S** - Standard (322 lm/ft)
- ◯ **B** - Boosted (405 lm/ft)
- ◯ **H** - High (612 lm/ft)
- ◯ **V** - Very High (786 lm/ft)
- ◯ **TL** - Tailored: _____lm/ft*

Lumen provided above are for Flush lens only, see pg. 13 for WW lumens. 2ft. luminaires can only have one output only, **S** or **B**. No dual circuit or separate uplight/downlight. Uplight and downlight can be specified with different outputs and dual circuit on luminaires 3ft and longer. * 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

LED CRI/CCT
- ◯ **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

MECHANICAL/OPTICAL OPTIONS

Uplight
- ◯ **TG** - Top Glow (standard)
- ◯ **F** - Flush
- ◯ **WSO** - Widespread Optic
- ◯ **WSOTG** - Widespread Optic with Top Glow
- ◯ **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

Downlight
- ◯ **F** - Flush (standard) [2]
- ◯ **BG** - Bottom Glow [2]
- ◯ **DL** - 1" Drop Down Lens [2]
- ◯ **RG-D** - Flat Diffuser with 1" Regress [2, 3]
- ◯ **RG WCB** - White Cross Blade Baffle [2, 3]
- ◯ **RG-LHE** - Hollowed Ellipse Louver [2, 3]
- ◯ **RG-LHC** - Hex Louver [2, 3]
- ◯ **DSO** - Downlight Spread Optic [2, 4]
- ◯ **DAO-L** - Downlight Asymmetric Optic Left [2, 4]
- ◯ **DAO-R** - Downlight Asymmetric Optic Right [2, 4]
- ◯ **K** - Kicker for Wall Wash only (standard) [5]
- ◯ **FO** - Fully Open for Wall Wash only

MECHANICAL/OPTICAL OPTIONS

Reflector System
- ◯ **96LG** - 96 Low Gloss White
- ◯ **SW** - Signal White for Wall Wash only

Voltage
- ◯ **120** - 120 Voltage
- ◯ **277** - 277 Voltage
- ◯ **347** - 347 Voltage (OTi Only)

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 (not 'DC' indepedent control of up and down separately for an I/D style fixture). Factory shop drawings required

* Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)

ELECTRICAL OPTIONS

Driver Selection [7]

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% [8]
- ◯ **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, DALI 0.1%
- ◯ **ELD-DALI-TW** - EldoLED Dual Drive Light Shape, 1% *(Tunable White)*

DMX Driver Options
- ◯ **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 LD2 Dali-2 1% *(Tunable White)*

See Page 3 for additional driver options and details

MOUNTING OPTIONS

Mounting Method
- ◯ **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 [9]

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

OTHER OPTIONS

Endcap Style
- ◯ **FE** - Flat Endcap (standard)
- ◯ **DE** - 1" Drop Endcap [10]
- ◯ **OE** - Open Endcap [11]

Finish
- ◯ **SW** - Signal White (standard)
- ◯ **FB** - Finelite Black
- ◯ **SA** - Satin Aluminum
- ◯ **####** - RAL Color Code [12] _____

OTHER OPTIONS

Emergency Style (Optional)
See page 5 Backup Battery table — Clear Selection
- ◯ **LGD18W** - Legrand 18W Brand Battery Back-up
- ◯ **LGD10W** - Legrand 10W Brand Battery Back-up
- ◯ **EM/GEN** - Emergency to Generator
- ◯ **NL** - Night Light
- ◯ **BSL310LP** - Bodine Battery Back up Low Profile
- ◯ **BSL10T3** - Bodine Battery Back up Low Profile Compact
- ◯ **GTD** - Generator Transfer Device
- ◯ **ALCR** - Automatic Load Control Relay

Integrated Sensor (Optional) [13]
Clear Selection
- ◯ **OBO** - Occupancy [1, 2]
- ◯ **OBD** - Daylight [2]
- ◯ **W601** - Wattstopper Wireless Sensor [14]
- ◯ **OBE** - Enlighted [2, 15]
- ◯ **REE** - Remote Enlighted [16]
- ◯ **CLM** - Encelium RF
- ◯ **SLM** - Encelium Sensor
- ◯ **AOCC-W** - Lutron Athena Sensor (Device Color White) [17]
- ◯ **AOCC-B** - Lutron Athena Sensor (Device Color Black) [17]
- ◯ **ARF-W** - Lutron Athena RF (Device Color White) [17]
- ◯ **ARF-B** - Lutron Athena RF (Device Color Black) [17]
- ◯ **VOCC** - Lutron Vive Wireless Sensor (VDO) [1, 18]
- ◯ **VRF** - Lutron Vive Radio Only [1, 18]

Special Options (Optional)
Clear Selection
- ◯ **CP** - Chicago Plenum [19]
- ◯ **RLA** - Red List Approved
- ◯ **RLD** - Red List Declared

[1] Not available with Indirect
[2] Not available with Wall Wash
[3] D & ID Regressed only
[4] Not available with Regressed or Curves
[5] Kicker standard in Signal White. Customer Custom color kickers have a surcharge
[6] Contact factory for switching options
[7] For Indirect/Direct lengths 3' and greater, separate dimming for uplight and downlight available
[8] Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)
[9] Direct only
[10] 1" Drop Down Lens downlight only
[11] Available with Hollowed Ellipse Louver (LHE) only
[12] 20 business days lead time for color
[13] Minimum fixture length: Direct and Indirect with a sensor is 3ft. Indirect/Direct with a sensor is 4ft.
[14] LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected. LMFS-601 w/ Dali driver, only 1 driver can be connected.
[15] Enlighted components installed by Finelite, provided by others
[16] Enlighted for Wall Wash luminaires. Enlighted Control Unit & Sensor Cable installed for Remote mounting sensor
[17] 0-10V Drivers - **AOCC** up to 10 drivers may be connected; **ARF** up to 40 drivers may be connected
DALI Drivers - **AOCC** & **ARF** up to 4 drivers can be connected.
[18] Lutron Vive Ingrated Sensors require a DALI driver. Contact factory for Indirect distribution
[19] Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox

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Ordering Info:		

FINELITE® Better Lighting

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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)
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)
DXL-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	
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 LD2 Dali-2 1%, *Tunable White*

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FINELITE® Better Lighting

High Performance 2" Aperture (HP-2) Pendant

SPECIFICATIONS

BODY TYPE

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

LENGTHS: Any length, 2' minimum, in increments down to 1/16th" (±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 CORNERS [1]: 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 Baffle [3]. Corners not available with Wall Wash (**WW**), Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**) or 1" Drop Down Lens. Contact factory for Double miters using the White Cross Blade Baffle. 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**). 2' can only have one driver. 2' cannot have different lumen packages for uplight and downlight, cannot be dual circuit, and cannot be **H** or **V** output. 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 OPTION [4]: Patented Top Glow frost white diffuser standard. 12' 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 OPTION [5]: 12' maximum diffuser length. Flush 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**)[7], Hollowed Ellipse Louver (**LHE**)[7], Hex Louver (**LHC**)[7], Downlight Spread Optic (**DSO**) [6], Downlight Asymmetric Optic (**DAO**) [6], and Regressed downlight diffusers (**RG**)[7]. 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. Downlight Spread & Downlight Asymmetric Optics are extruded lenses with a subtle ribbed appearance providing a batwing or asymmetric distribution for 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 feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

0-10V:
- One 18-guage / 3-conductor power
- One 18-gauge / 4-conductor for dimming and controls

Dali:
- One 18-gauge / 5-conductor power and controls

DMX:
- One 18-gauge / 3-conductor power
- One DMX feed

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%
- **ExpectedDdriver Lifetime:** 100,000 hours

LUTRON STATIC 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 and 277V.
- **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

HANGING HARDWARE: 50" Fully Adjustable (**FA**) plated steel 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.

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

[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] Not available with Regressed or Curves
[7] Pendant Regressed Indirect/Direct & Pendant Regressed Direct only

Continued

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

FINELITE® Better Lighting

High Performance 2" Aperture (HP-2) Pendant

SPECIFICATIONS

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. 1" Drop Down Lens Endcap (**DE**)[7] 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
HP2-P-D		
Min. Housing Length	8'*	4'*, **
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
HP2-P-WW-D		
Min. Housing Length	8'*	4'*
EM Lumen Output	1500	891
EM Section Illuminated	4'	4'

* Minimum fixture housing length for battery pack approved without sensor. ** Exception: 5' not available, 6'+ okay
The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 9.

Backup Battery

	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP2-P-ID		
Min. Housing Length	12'	8'
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
HP2-P-I		
Min. Housing Length	8'*	4'*
EM Lumen Output	1874	956
EM Section Illuminated	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 9.

Bodine GTD and Legrand ALCR Min. Length

Configuration	Min Length
Generator	D-4'; ID-6'
Generator + OCC	D-6'; ID-8'
Daylight	D-4'; ID-6'
Generator + Daylight	D-6'; ID-8'

TUNABLE WHITE ELECTRICAL OPTIONS[8]:
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. Minimum fixture length: Direct and Indirect with a sensor is 3ft. Indirect/Direct with a sensor is 4ft. The default location for the Connected Lighting Module (**CLM**) will be on the topside of the fixture for all mounting types except for Surface Mount (**SM**). In SM fixtures the CLM will be located on the direct side of fixture housed in a bracket that is flush with the direct lens.

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[9] 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 luminaires are rated for Damp Location. Chicago Plenum options available for C1, C2, or C3 suspension using our GridBox. HP-2 can be used to comply with 2016 Title 24, Part 6 (JA8); high efficacy LED light source requirements. 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.

WEIGHT[10]: ID - 2.9 lb/ft; D - 2.3 lb/ft; I - 2.3 lb/ft; WW - 2.9 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.

[8] Consult Finelite for Generator Transfer Device and Battery Back up fit
[9] 20 business days lead time for color
[10] Excludes Battery Back up and Generator Transfer Device weight

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

FINELITE®
Better Lighting

High Performance 2" Aperture (HP-2) Pendant

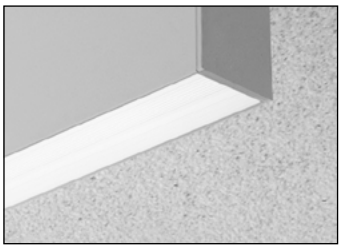
AESTHETIC OPTIONS

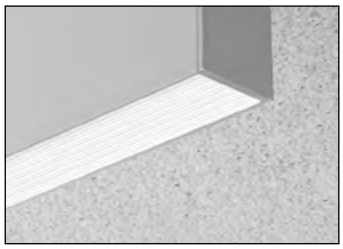

Flush Diffuser (**F**)

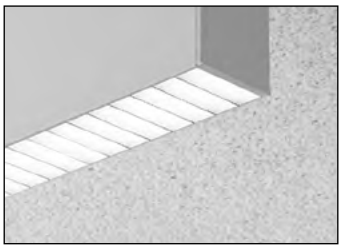

Bottom Glow Diffuser (**BG**)

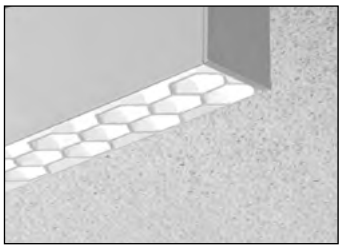

1" Drop Down Lens (**DL**)

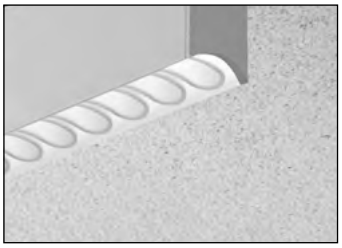

Flat Diffuser with 1" Regressed (**RG-D**)

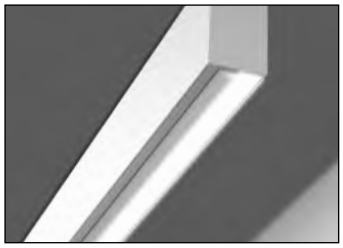

Downlight Asymmetric Optic (**DAO**) [1]
Externally flush


Downlight Spread Optic (**DSO**) [1]
Externally flush


White Cross Blade Baffle [1] (**RG-WCB**)


Hex Louver [2] (**RG-LHC**)


Hollowed Ellipse Louver [2] (**RG-LHE**)


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

[1] With a subtle ribbed appearance providing specialized distribution
[2] Regressed only. Not available with Wall Wash

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

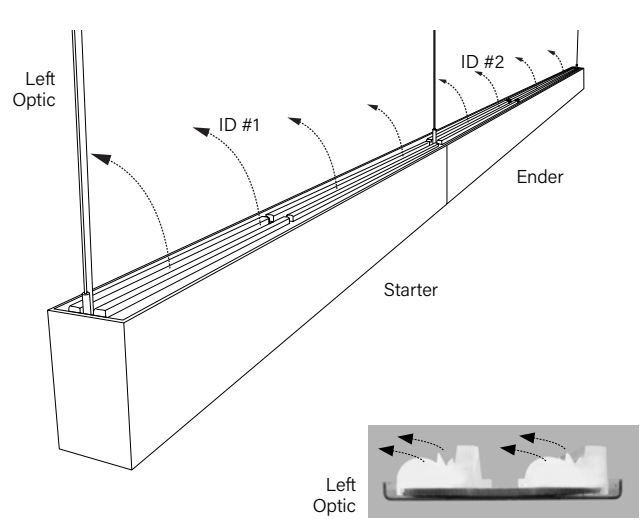
FINELITE®
Better Lighting

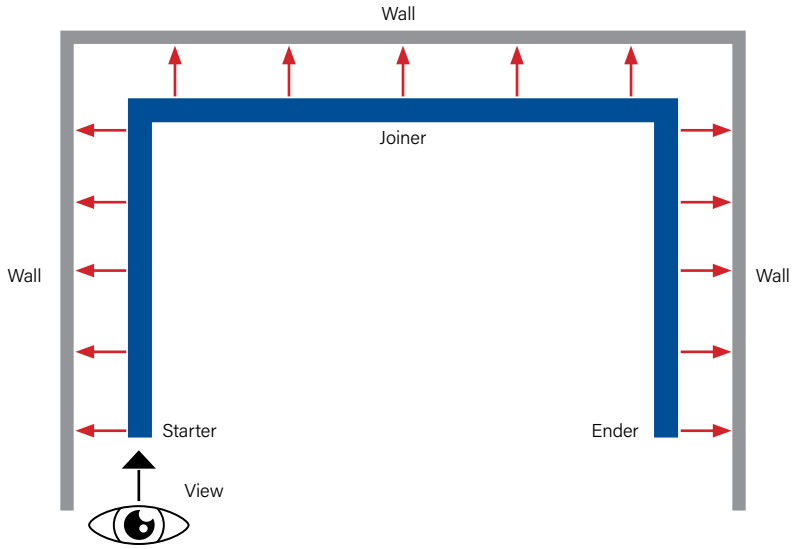
High Performance 2" Aperture (HP-2) Pendant

ASYMMETRIC OPTIONS

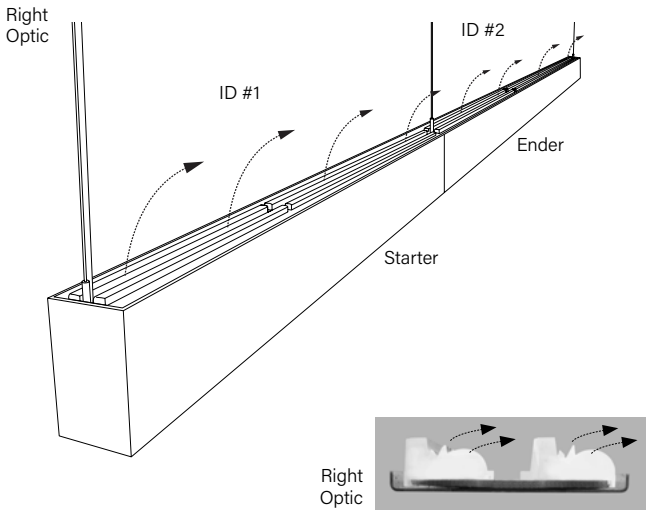
The diagrams below show a linear run from power feed to ender. Specifing ASY-L distributes light to the left or ASY-R distributes light to the right. For proper orientation: view luminaire from starter end when specifying the direction of the Asymmetric optic.

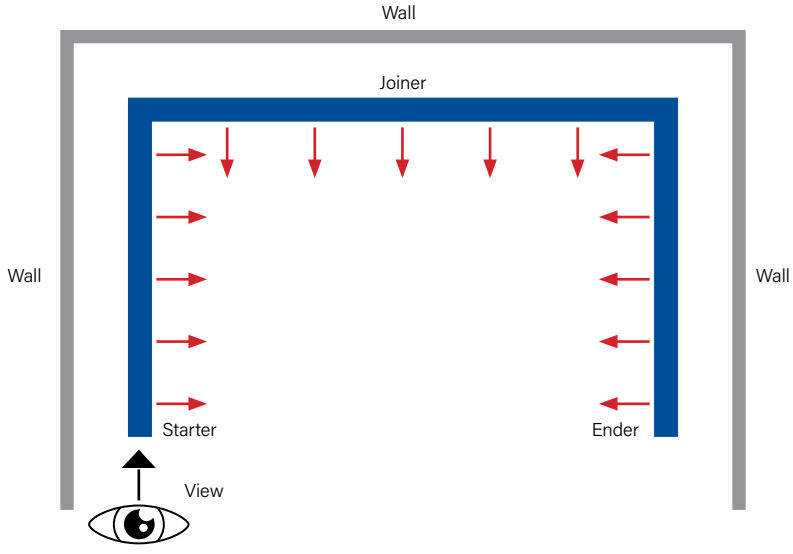
Asymmetric Left Optic (ASY-L)





Asymmetric Right Optic (ASY-R)





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

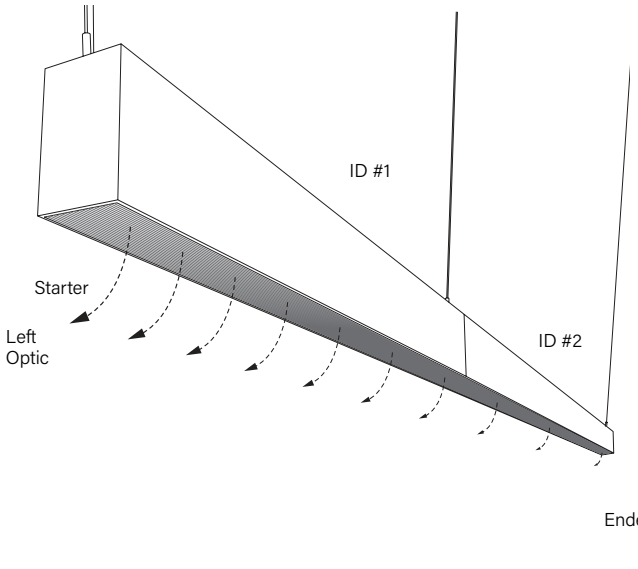
FINELITE® Better Lighting

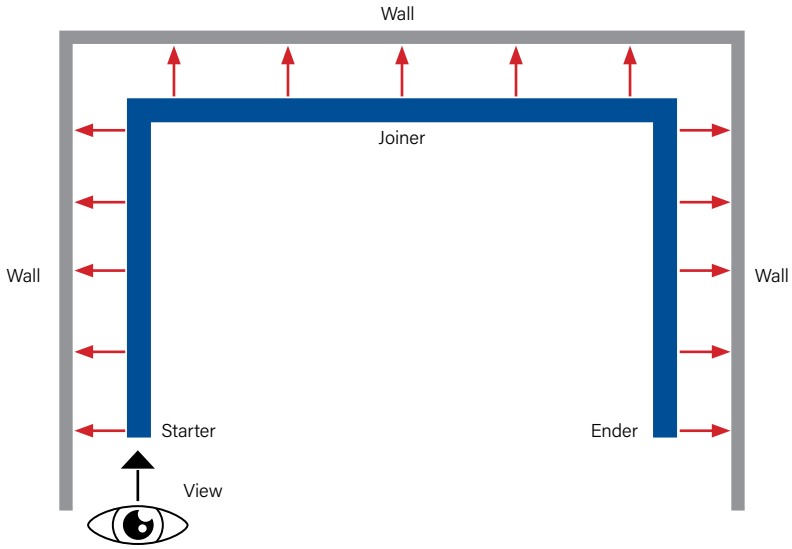
High Performance 2" Aperture (HP-2) Pendant

DOWNLIGHT ASYMMETRIC OPTIONS

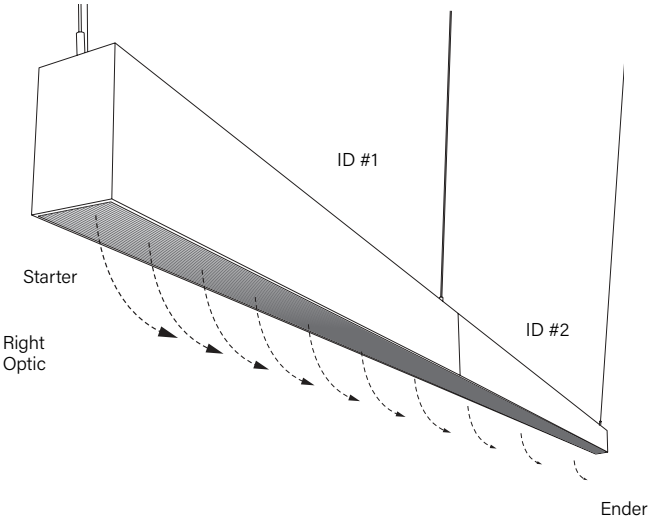
The diagrams below show a linear run from power feed to ender. Specifing DAO-L distributes light to the left or DAO-R distributes light to the right. For proper orientation: view luminaire from starter end when specifying the direction of the Downlight Asymmetric optic.

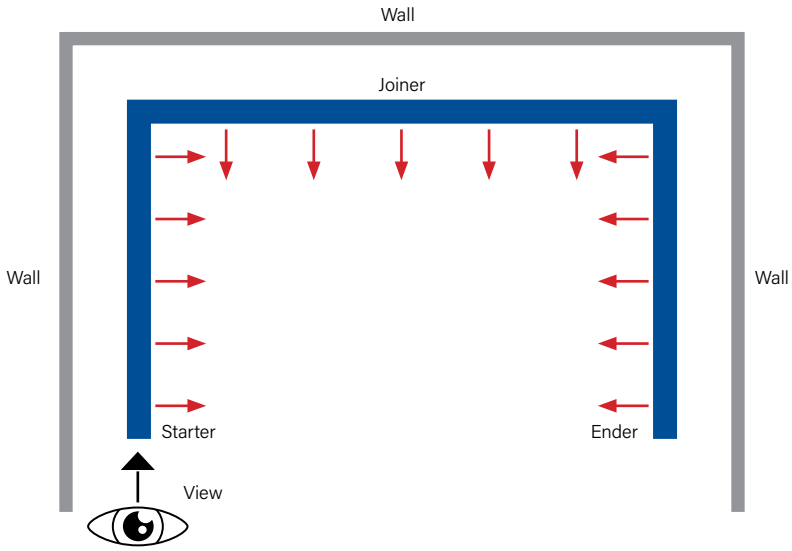
Downlight Asymmetric Optic Left (DAO-L)





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:	

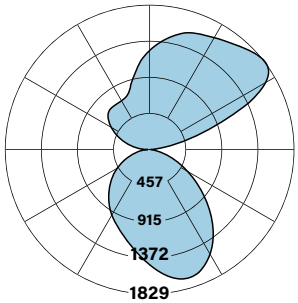
FINELITE® Better Lighting

High Performance 2" Aperture (HP-2) Pendant

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P-ID-4'-V-V-835-ASY-R-DAO-R
Uplight: Asymmetric Right Optic
Downlight: Downlight Asymmetric Optic - Right

Distribution: 53% Up (**V**) / 47% Down (**V**)
Efficacy: 112 lm/W
Uplight: 4301 lumens (1075 lumens/foot)
Downlight: 3742 lumens (936 lumens/foot)
Total luminaire output: 8043 lumens (2011 lm/ft)
72 watts (18 W/ft)
Peak Candela Value: 1829 @ 127.5º
CRI: 80 / CCT: 3500K
ITL LM79 Report REP-051921-01



Complete LM79 LED Photometry

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

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	3292 [↑53% I 47%↓]	3745 [↑59% I 41%↓]	4877 [↑69% I 31%↓]	5833 [↑74% I 26%↓]
↓B [1]	3686 [↑48% I 52%↓]	4139 [↑53% I 47%↓]	5271 [↑63% I 36%↓]	6227 [↑69% I 31%↓]
↓H [1]	4671 [↑38% I 62%↓]	5124 [↑43% I 57%↓]	6256 [↑54% I 46%↓]	7211 [↑60% I 40%↓]
↓V [2]	5503 [↑32% I 68%↓]	5955 [↑37% I 63%↓]	7087 [↑47% I 53%↓]	8043 [↑53% I 47%↓]

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

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	823	936	1219	1458
↓B [1]	922	1035	1318	1557
↓H [1]	1168	1281	1564	1803
↓V [2]	1376	1489	1772	2011

Power, 3500K (Watts Per Foot)

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	7.0	8.0	10.4	12.5
↓B [1]	8.0	9.0	11.4	13.5
↓H [1]	10.4	11.4	13.8	15.9
↓V [2]	12.5	13.5	15.9	18.0

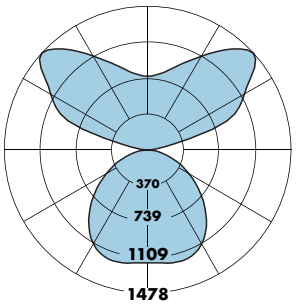
Efficacy, 3500K, 80 CRI (Lumens Per Watt)

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	117	117	117	116
↓B [1]	115	116	116	116
↓H [1]	112	113	113	113
↓V [2]	110	111	111	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: 89456, 94139

HP2-P-ID-4'-V-V-835-WSO-DSO
Uplight: Widespread Optic
Downlight: Downlight Spread Optic

Distribution: 55% Up (**V**) / 45% Down (**V**)
Efficacy: 101 lm/W
Uplight: 4018 lumens (1105 lumens/foot)
Downlight: 3273 lumens (818 lumens/foot)
Total luminaire output: 7291 lumens (1823 lm/ft)
72 watts (18 W/ft)
Peak Candela Value: 1457 @ 135º
CRI: 80 / CCT: 3500K
ITL LM79 Report 89456 and 94139



Complete LM79 LED Photometry

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

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	2985 [↑55% I 45%↓]	3408 [↑60% I 40%↓]	4465 [↑70% I 30%↓]	5358 [↑75% I 25%↓]
↓B [1]	3329 [↑49% I 51%↓]	3752 [↑55% I 45%↓]	4809 [↑65% I 35%↓]	5702 [↑70% I 30%↓]
↓H [1]	4191 [↑39% I 61%↓]	4614 [↑45% I 55%↓]	5671 [↑55% I 45%↓]	6564 [↑61% I 39%↓]
↓V [2]	4918 [↑33% I 67%↓]	5341 [↑38% I 62%↓]	6398 [↑49% I 51%↓]	7291 [↑55% I 45%↓]

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

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	746	852	1116	1340
↓B [1]	832	938	1202	1426
↓H [1]	1048	1154	1418	1641
↓V [2]	1230	1335	1600	1823

Power, 3500K (Watts Per Foot)

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	7.1	8.0	10.5	12.6
↓B [1]	8.0	9.0	11.4	13.5
↓H [1]	10.4	11.4	13.8	15.9
↓V [2]	12.5	13.4	15.9	18.0

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

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	106	107	107	107
↓B [1]	104	105	105	105
↓H [1]	101	102	103	103
↓V [2]	99	99	101	101

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: 89456, 94139

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: 4465 lm x 0.789 = 3523 lm
Total Light Output per Foot: 1116 lm/ft x 0.789 = 881 lm/ft.
watts/foot: 10.5 W/ft.

$$\textbf{Efficacy} = \frac{881 \ \frac{\text{lm}}{\text{ft.}}}{10.5 \ \frac{\text{W}}{\text{ft.}}} = 84 \text{ lm/W}$$

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

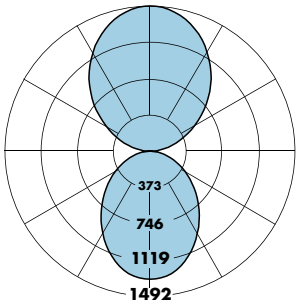
FINELITE® Better Lighting

High Performance 2" Aperture (HP-2) Pendant

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P-ID-V-V-835-F-F
Uplight: Flush Diffuser / **Downlight:** Flush Diffuser

Distribution: 55% Up (**V**) / 45% Down (**V**)
Efficacy: 95 lm/W
Uplight: 3813 lumens (953 lumens/foot)
Downlight: 3175 lumens (794 lumens/foot)
Total luminaire output: 6988 lumens (1747 lm/ft)
73.8 watts (18.5 W/ft)
Peak Candela Value: 1492 @ 180°
CRI: 80 / CCT: 3500K
ITL LM79 Report 85132



Complete LM79 LED Photometry

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

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	2861 (↑55% I 45%↓)	3262 (↑60% I 40%↓)	4265 (↑70% I 30%↓)	5113 (↑75% I 25%↓)
↓B [1]	3195 (↑49% I 51%↓)	3596 (↑55% I 45%↓)	4600 (↑65% I 35%↓)	5447 (↑70% I 30%↓)
↓H [1]	4030 (↑39% I 61%↓)	4432 (↑44% I 56%↓)	5435 (↑55% I 45%↓)	6282 (↑61% I 39%↓)
↓V [2]	4736 (↑33% I 67%↓)	5137 (↑38% I 62%↓)	6141 (↑48% I 52%↓)	6988 (↑55% I 45%↓)

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

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	715	815	1066	1278
↓B [1]	799	899	1150	1362
↓H [1]	1008	1108	1359	1571
↓V [2]	1184	1284	1535	1747

Power, 3500K (Watts Per Foot)

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	7.2	8.2	10.7	12.8
↓B [1]	8.2	9.2	11.7	13.8
↓H [1]	10.7	11.7	14.2	16.3
↓V [2]	12.8	13.8	16.3	18.5

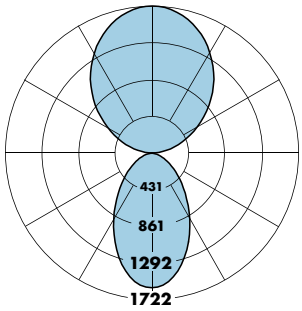
Efficacy, 3500K, 80 CRI (Lumens Per Watt)

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	99	99	100	100
↓B [1]	97	98	99	99
↓H [1]	94	95	96	96
↓V [2]	92	93	94	95

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: 89132

HP2-P RG-ID-V-V-835-F
Uplight: Flush Diffuser / **Downlight:** Regressed Diffuser

Distribution: 59% Up (**V**) / 41% Down (**V**)
Efficacy: 99 lm/W
Uplight: 4304 lumens (1076 lumens/foot)
Downlight: 2928 lumens (732 lumens/foot)
Total luminaire output: 7232 lumens (1808 lm/ft)
73.2 watts (18.3 W/ft)
Peak Candela Value: 1722 @ 180°
CRI: 80 / CCT: 3500K
ITL LM79 Report 90352



Complete LM79 LED Photometry

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

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	2960 (↑60% I 40%↓)	3414 (↑65% I 35%↓)	4546 (↑74% I 26%↓)	5503 (↑78% I 22%↓)
↓B [1]	3269 (↑54% I 46%↓)	3722 (↑60% I 40%↓)	4854 (↑69% I 31%↓)	5811 (↑74% I 26%↓)
↓H [1]	4039 (↑44% I 56%↓)	4492 (↑49% I 51%↓)	5625 (↑60% I 40%↓)	6581 (↑65% I 35%↓)
↓V [2]	4690 (↑38% I 62%↓)	5143 (↑43% I 57%↓)	6276 (↑53% I 47%↓)	7232 (↑59% I 41%↓)

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

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	740	853	1137	1376
↓B [1]	817	930	1214	1453
↓H [1]	1123	1406	1645	1645
↓V [2]	1172	1286	1569	1808

Power, 3500K (Watts Per Foot)

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	7.2	8.1	10.6	12.7
↓B [1]	8.1	9.1	11.6	13.7
↓H [1]	10.6	11.6	14.0	16.2
↓V [2]	12.7	13.7	16.2	18.3

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

	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	103	105	107	108
↓B [1]	100	102	105	106
↓H [1]	95	97	100	102
↓V [2]	92	94	97	99

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: 90352

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: 4265 lm x 0.789 = 3365 lm
Total Light Output per Foot: 1066 lm/ft x 0.789 = 841 lm/ft.
watts/foot: 10.7 W/ft.

$$\textbf{Efficacy} = \frac{841\ \frac{\text{lm}}{\text{ft.}}}{10.57\ \frac{\text{W}}{\text{ft.}}} = 78.6\ \text{lm/W}$$

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

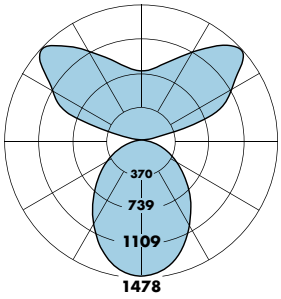
FINELITE® Better Lighting

High Performance 2" Aperture (HP-2) Pendant

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P-ID-V-V-835-WSO-F
Uplight: Widespread Optic / **Downlight:** Fluse Diffuser

Distribution: 55% Up (**V**) / 45% Down (**V**)
Efficacy: 101 lm/W
Uplight: 4018 lumens (1005 lumens/foot)
Downlight: 3312 lumens (828 lumens/foot)
Total luminaire output: 7330 lumens (1833 lm/ft)
74.5 watts (18.6 W/ft)
Peak Candela Value: 1461 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 89456



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire				
	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	3001 (↑55% I 45%↓)	3424 (↑60% I 40%↓)	4481 (↑70% I 30%↓)	5374 (↑75% I 25%↓)
↓B [1]	3349 (↑49% I 51%↓)	3772 (↑55% I 45%↓)	4830 (↑65% I 35%↓)	5722 (↑70% I 30%↓)
↓H [1]	4221 (↑39% I 61%↓)	4644 (↑44% I 56%↓)	5701 (↑55% I 45%↓)	6594 (↑61% I 39%↓)
↓V [2]	4957 (↑33% I 67%↓)	5380 (↑38% I 62%↓)	6437 (↑48% I 52%↓)	7330 (↑55% I 45%↓)

Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	↑S [1]	↑B [1]	↑H [1]	↑V [2]
↓S [1]	750	856	1120	1343
↓B [1]	837	943	1207	1431
↓H [1]	1055	1161	1425	1649
↓V [2]	1239	1345	1609	1833

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]	106	106	107	107
↓B [1]	104	105	105	105
↓H [1]	100	101	102	103
↓V [2]	98	99	100	101

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: 89456

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: 4481 lm x 0.789 = 3536 lm
Total Light Output per Foot: 1120 lm/ft x 0.789 = 884 lm/ft.
watts/foot: 10.5 W/ft.

$$\textbf{Efficacy} = \frac{884\ \frac{\text{lm}}{\text{ft.}}}{10.5\ \frac{\text{W}}{\text{ft.}}} = 84\ \text{lm/W}$$

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

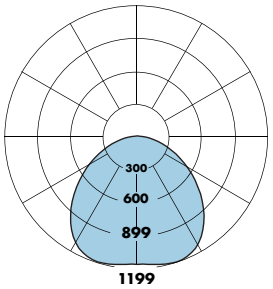
FINELITE® Better Lighting

High Performance 2" Aperture (HP-2) Pendant

Direct Photometry - 4' Luminaire 3500K

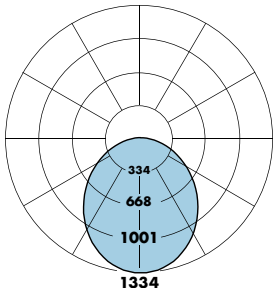
HP2-P-D-4'-V-835-DSO
Downlight: Downlight Spread Optic

Efficacy: 92 lm/W
Total luminaire output: 3273 lumens (818 lm/ft)
35.7 watts (8.9 W/ft)
Peak Candela Value: 1199 @ 17.5°
CRI: 80 / CCT: 3500K
ITL LM79 Report 94139



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



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S [1]	**B** [1]	**H** [1]	**V** [2]
1340	1684	2546	3273

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S [1]	**B** [1]	**H** [1]	**V** [2]
335	421	636	818

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]
96	95	93	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 report: 94139

Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S [1]	**B** [1]	**H** [1]	**V** [2]
1316	1655	2501	3215

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S [1]	**B** [1]	**H** [1]	**V** [2]
329	414	625	804

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]
91	90	88	87

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: 85136

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: 2546 lm x 0.789 = 2009 lm
Total Light Output per Foot: 636 lm/ft x 0.789 = 502 lm/ft.
watts/foot: 6.8 W/ft.

$$\textbf{Efficacy} = \frac{502\ \frac{\text{lm}}{\text{ft.}}}{6.8\ \frac{\text{W}}{\text{ft.}}} = 74\ \text{lm/W}$$

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

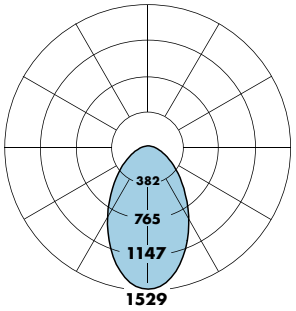
FINELITE® Better Lighting

High Performance 2" Aperture (HP-2) Pendant

Direct Photometry - 4' Luminaire 3500K

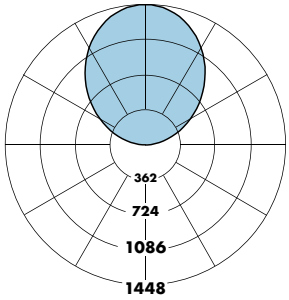
HP2-P RG-D-V-835-RG
Downlight: Regressed Diffuser

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



HP2-P-I-V-835-F
Uplight: Flush Diffuser

Efficacy: 102 lm/W
Total luminaire output: 3749 lumens (937 lm/ft)
36.7 watts (9.2 W/ft)
Peak Candela Value: 1448 @ 180°
CRI: 80 / CCT: 3500K
ITL LM79 Report 85134



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S [1]	B [1]	H [1]	V [2]
1182	1486	2245	2887

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S [1]	B [1]	H [1]	V [2]
295	371	561	722

Power, 3500K (Watts Per Foot)			
S [1]	B [1]	H [1]	V [2]
3.6	4.6	7.0	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S [1]	B [1]	H [1]	V [2]
82	81	80	79

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: 90350

Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S [1]	B [1]	H [1]	V [2]
1535	1929	2916	3749

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S [1]	B [1]	H [1]	V [2]
384	482	729	937

Power, 3500K (Watts Per Foot)			
S [1]	B [1]	H [1]	V [2]
3.6	4.6	7.0	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S [1]	B [1]	H [1]	V [2]
107	106	104	102

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: 85134

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: 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.

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

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

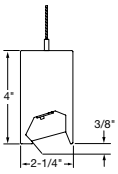
FINELITE® Better Lighting

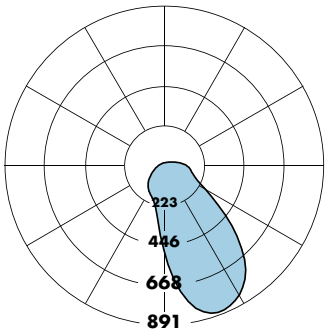
High Performance 2" Aperture (HP-2) Pendant

Wall Wash Direct Photometry - 4' Luminaire 3500K

HP2-P-WW-D-K-V-835
Downlight: With Kicker

Efficacy: 77 lm/W
Total luminaire output: 1500 lumens (375 lm/ft)
19.6 watts (4.9 W/ft)
Peak Candela Value: 882 @ 25º
CRI: 80 / CCT: 3500K
ITL LM79 Report 85137





CANDELA DISTRIBUTION

FLUX	0.0	22.5	45.0	67.5	90.0	
0	485	485	485	485	485	
5	652	606	483	378	342	47
15	863	790	470	251	219	145
25	882	829	442	201	184	231
35	795	764	397	168	152	282
45	581	629	333	133	105	277
55	326	436	251	86	62	217
65	196	250	167	43	24	144
75	158	145	88	7	0	87
85	124	97	24	0	0	50
90	93	68	0	0	0	

Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S [1]	**B [1]**	**H [1]**	**V [2]**
614	772	1167	1500

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S [1]	**B [1]**	**H [1]**	**V [2]**
154	193	292	375

Power, 3500K (Watts Per Foot)			
S [1]	**B [1]**	**H [1]**	**V [2]**
2.0	2.5	3.8	4.9

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S [1]	**B [1]**	**H [1]**	**V [2]**
76	77	77	77

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: 1167 lm x 0.789 = 921 lm

Total Light Output per Foot: 292 lm/ft x 0.789 = 230 lm/ft.

watts/foot: 3.8 W/ft.

$$\textbf{Efficacy} = \frac{230\ \frac{\text{lm}}{\text{ft.}}}{3.8\ \frac{\text{W}}{\text{ft.}}} = 60.5\ \text{lm/W}$$

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

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: 85137

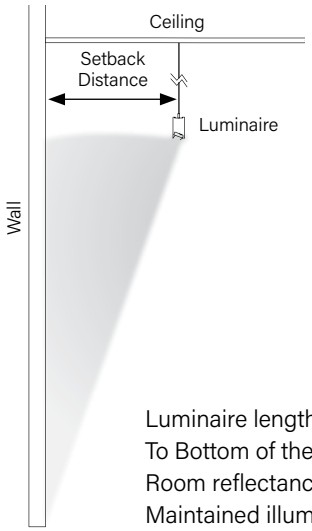
Submitted by:	Date:
Type:	Project:
Ordering Info:	

FINELITE® Better Lighting

High Performance 2" Aperture (HP-2) Pendant

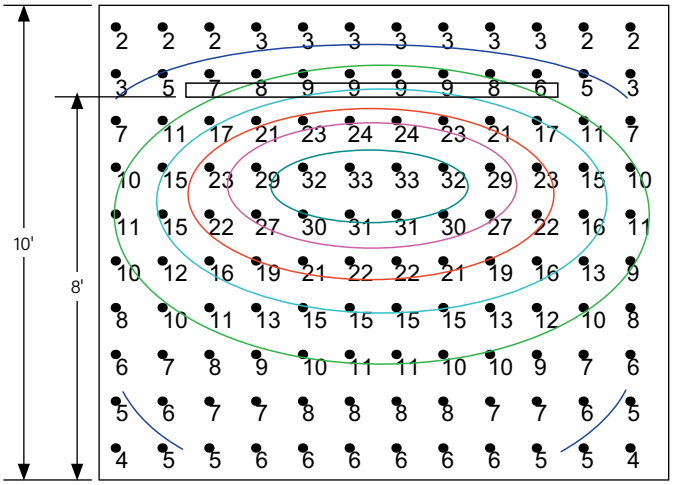
Wall Wash Direct - Setback Info and Application Data

HP2-WW-D-K-4'-V-835
Downlight: With Kicker
Total luminaire output: 1206 lumens (302 lm/ft)
19.6 watts (4.9 W/ft)
CRI: 80 / CCT: 3500K



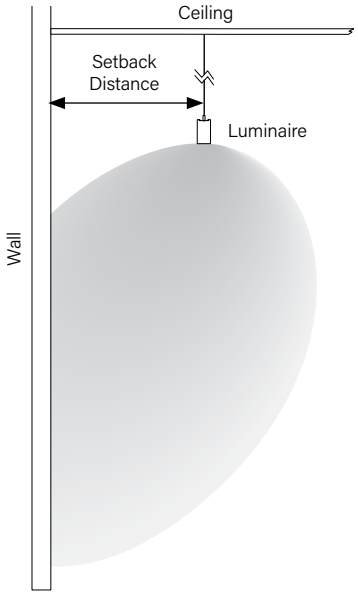
Luminaire length: 8'
To Bottom of the luminaire: 8'-0"
Room reflectances: 80-50-20
Maintained illuminance levels: LLF 0.86"

Setback Distance - 2'

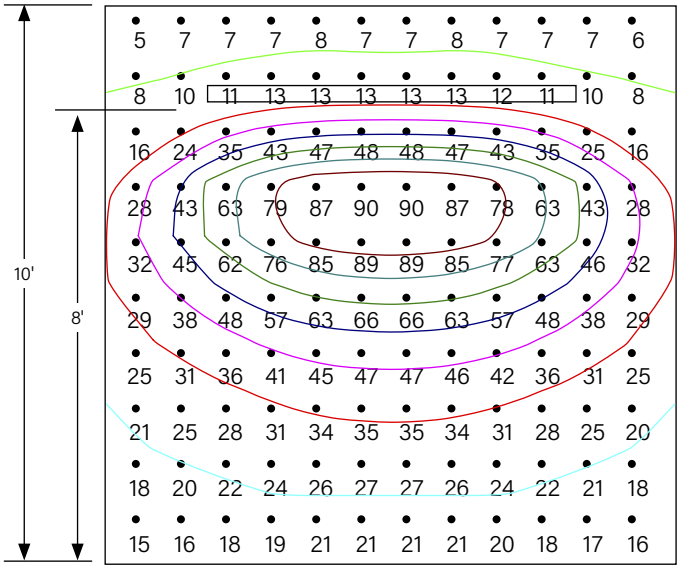


Downlight Asymmetric Optic - Setback Info and Application Data

HP2-P-D-4ft-V-835-DAO
Downlight: DAO
Total luminaire output: 3742 lumens (936 lm/ft)
35.6 watts (8.9 W/ft)
CRI: 80 / CCT: 3500K



Setback Distance - 2'



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

FINELITE® Better Lighting

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

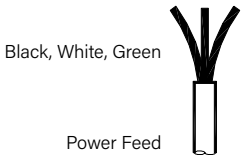
Note:
Dim to Off options available.

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

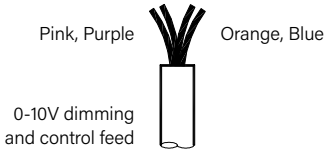
	Section Lengths										
Direct	**2'**	**3'**	**4'**	**5'**	**6'**	**7'**	**8'**	**9'**	**10'**	**11'**	**12'**
Output S,B,H,V Single Circuit	Rows can be comprised of 2'-12' sections. Tailored lengths available.										
Integral Battery Backup (Legrand 10W)							✓		✓		✓
Indirect/Direct											
Output S,B Single Circuit	✓		✓		✓		✓		✓		✓
Integral Battery Backup (Legrand 10W)							✓		✓		✓
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

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

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)

Tunable White LUMINAIRES