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

FINELITE®

High Performance 2" Wet Location (HP-2 WL)

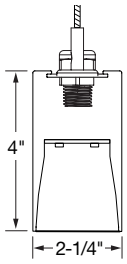


High Performance 2" Aperture Wet Location (**HP-2 WL**) Pendant (**P**), Recessed (**R**), Surface Mount (**SM**), Wall Mount (**WM**), and Mullion Mount (**MUL**) linear LED luminaire listed for wet location, IP65, and IK09. Available in Direct. HP-2 WL delivers uniform illumination with a clean linear aesthetic free of visible attachment hardware. 2', 3', 4', 5', 6', 7', and 8' section lengths. Independent and continuous rows available.

Signal White is standard finish

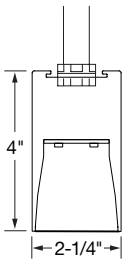
CROSS SECTIONS

Pendant
Aircraft Cable

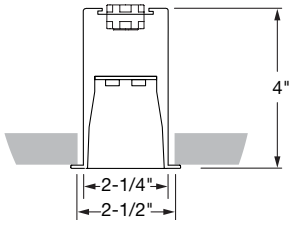


Flush Downlight
Diffuser (standard)

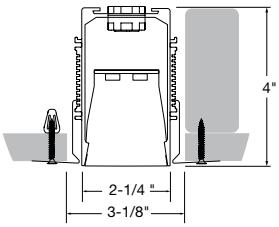
Pendant
Rigid Stem



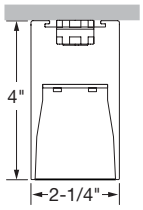
Recessed
Visible Flange



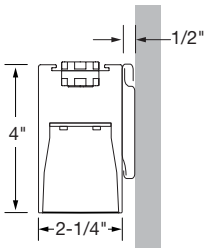
Recessed
Spackle Flange



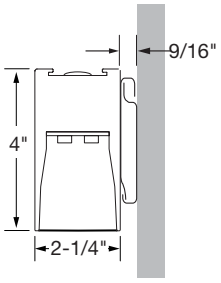
Surface Mount



Wall Mount

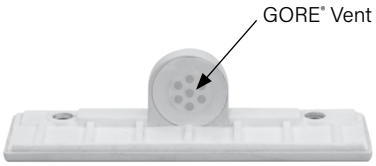


Mullion Mount
Direct



Flush Downlight
Diffuser (standard)

INTEGRATED GORE® PROTECTIVE VENT



Protective vents are integrated at endcaps and joints to equalize pressure, reduce condensation and protect internal fixture components against water, salts, corrosive liquids and particulates.

5 Year Warranty · IK09 · IP65 · IC Rated

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FINELITE

High Performance 2" Wet Location (HP-2 WL)

Ordering Guide Example: HP - 2WL - P - D - 36' - S - 835 - F - 96LG - 120 - SC - FC-10% - FA50 - C1 - FE - SW - EM/GEN

Clear Form

BODY TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Downlight Output
◉ HP - High Performance	◉ 2 WL	○ P - Pendant ○ R - Recessed ○ SM - Surface Mount ○ WM - Wall Mount	◉ D - Direct	_____ Minimum 2' section length. Increments accurate to 1', standard. 8' maximum section length.	○ S - Standard (340 lm/ft) ○ B - Boosted (500 lm/ft) ○ H - High (655 lm/ft) ○ V - Very High (802 lm/ft) ○ TL - Tailored:_____lm/ft* * Consult factory for tailored lumen output

OUTPUT AND LED TYPE

LED CRI/CCT	Downlight Optics	Reflector System
◉ 827 - 80 CRI, 2700K ○ 830 - 80 CRI, 3000K ○ 835 - 80 CRI, 3500K ○ 840 - 80 CRI, 4000K ○ 850 - 80 CRI, 5000K ○ 927 - 90 CRI, 2700K ○ 930 - 90 CRI, 3000K ○ 935 - 90 CRI, 3500K ○ 940 - 90 CRI, 4000K ○ 950 - 90 CRI, 5000K	○ F - Flush (standard)	○ 96 - 96 Low Gloss White

ELECTRICAL OPTIONS

Voltage	Circuiting [1]
○ 120 - 120 Voltage ○ 277 - 277 Voltage	○ SC - Single Circuit* One single circuit in a run ○ MC - Multi-Circuit* More than one switch leg or zone. Factory shop drawings required * Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)

ELECTRICAL OPTIONS

Driver Selection

0-10V Driver Options
- ○ FC-10% - 0-10V 10% [2] (standard)
- ○ FC-1% - 0-10V 1% [2]
- ○ OTI-10% - EldoLED OTi, 0-10V 10% [2]
- ○ OTI-1% - EldoLED OTi, 0-10V 1% [2]
- ○ ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1%

DALI Driver Options
- ○ FC-DALI-1% - DALI 1%
- ○ ELD-DALI-0% - EldoLED SOLOdrive, 0.1%, DT6

Lutron Driver Options
- ○ LUT-ES1 - Lutron, LDE1 Ecosystem 1%

See Page 3 for additional driver options and details

MOUNTING OPTIONS

Mounting Method (Clear Selection)	Ceiling Hardware Type
○ FA50 - Fully Adjustable 50" (standard) ○ FA200 - Fully Adjustable 200" ○ MB - Mounting Bracket [3] ○ RS12 - Rigid Stem 12" [4] ○ RS18 - Rigid Stem 18" [4] ○ RS24 - Rigid Stem 24" [4] ○ RS36 - Rigid Stem 36" [4] ○ SF - Spackle Flange ○ VF - Visible Flange ○ MUL - Mullion Mount [7] WM configurations and use with mullion systems only	○ C4 - Hard Ceiling

OTHER OPTIONS

Endcap Style	Finish	Emergency Style (Optional) (Clear Selection)
◉ FE - Flat Endcap (standard)	○ SW - Signal White ○ FB - Finelite Black [5] ○ SA - Satin Aluminum [5] ○ #### - RAL Color Code [5] _____	○ EM/GEN - Emergency to Generator ○ NL - Night Light ○ GTD - Generator Transfer Device ○ ALCR - Automatic Load Control Relay [6]

Note
Not suitable for vertical mounting
Not suitable for natatoriums

1 Contact factory for switching options
2 Add DTO to gain "Dim to Off" functionality (FC-10% - DTO)
3 Wall Mount only
4 Direct Rigid Stem
5 20 business days lead time for color
6 Contact factory for restrictions
7 Mullion Mount is only available for individual fixture lengths, with continuous runs considered custom and requiring factory consultation

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High Performance 2" Wet Location (HP-2 WL)

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)
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 DT6 (Logarithmic)
ELD-DALI-0%	EldoLED SOLOdrive, DALI 0.1% Dimming DT6 (Logarithmic)
ELD-DALI-1%	EldoLED ECOdrive, D4i, DALI 1% Dimming, DT6 (Logarithmic) (formerly Dexal)

Lutron Driver Options	
LUT-ES1	Lutron, LDE1 Ecosystem 1% Dimming

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FINELITE

High Performance 2" Wet Location (HP-2 WL)

SPECIFICATIONS

BODY TYPE

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

LENGTHS: 2', 3', 4', 5', 6', 7', and 8' section lengths. Independent and continuous rows available.

OUTPUT AND LED TYPE

LIGHT OUTPUT: Standard (**S**), Boosted Standard (**B**), High (**H**), and Very High (**V**) lumen packages available. For Tailored Outputs (**TL**), specify lm/ft of outside of range from Standard (**S**) to Very High (**V**), consult factory. Light engines are replaceable.

MECHANICAL/OPTICAL OPTIONS

DOWNLIGHT OPTION : Internal gaskets prevent moisture and debris. 8' maximum lens length. Flush frost white snap-in impact resistant acrylic lens standard, 63% transmissive, 99% diffusion.

REFLECTORS: Die-formed 24-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white powder coat paint.

ELECTRICAL OPTIONS

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

STATIC WHITE DRIVER: Replaceable 120V and 277Vconstant 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%

LUTRON DRIVER OPTIONS:

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

MOUNTING OPTIONS

HANGING HARDWARE:

- **Pendant:** All HP-2 Wet Location luminaires **CANNOT** be installed upside down for indirect /uplight illumination. All HP-2 Wet Location luminaires are direct / downlight illumination only. 50" Fully Adjustable (FA) 316 stainless steel aircraft cable with safety stop hardware are standard. Aircraft cable suspension is not recommended for applications where wind or weather could contribute to a recurrent swaying motion. Follow all local/national codes to ensure proper bracing is used to meet the safety requirements set by the authority having jurisdiction. Bracing/Anti-Sway hardware, if needed for the application, is to be provided by others. 1/2" IPS rigid stem, available in 12", 18", 24" or 36" overall lengths.
- **Recessed:** Visible flange mounting offers a 3/8" visible flange integral to the extruded luminaire body. Spackle flange option also available. Not suitable for vertical mounting.
- **Surface Mount:** Drywall or concrete surfaces: 1/4 - 20 lag bolt (provided by others) or 1/4 - 20 stud and nut (provided by others). Gasketed washer provided to maintain water seal of fixture at mounting hole locations. Not suitable for vertical mounting.
- **Wall Mount:** Fixture hangs securely from mounting brackets fastened directly to the wall for easy installation. Fixture stands 1/2" off the wall. Consult factory for tailored lighting options.
- **Mullion Mount:** Fixture mounts securely to brackets fastened directly to the mullion for easy installation. It projects 9/16" from the mullion. Consult the factory for tailored lighting options. Available only in individual lengths. Contact the factory for custom continuous runs.

OTHER OPTIONS

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

EMERGENCY STYLE: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver. No Battery Backup options on wet location luminaire.

FINISHES: Finelite Signal White (**SW**) powder coat, Finelite Black (RAL 9005) with semi gloss fine texture (**FB**) [1] and Satin Aluminum (**SA**) [1] are standard. Optional Adders: 185 RAL colors [1]. Primer undercoat standard on HP-2 WL.

WET LOCATION: UL wet-location listed and IP65 rated. The IK09 impact rating provides enhanced resistance to mechanical impact.

SPECIAL FEATURES: Integrated GORE® protective vent allows moisture to escape the fixture without letting water in and protects internal components from salts, corrosive liquids, and particulates.

TEMPERATURE RATING: Rated for -20°C to 40°C

LABELS: Luminaire and electrical components are ETL-listed conforming to UL 1598 (and UL 924) in the U.S.A. and CAN/CSA C22.2 No. 250.0 (and No.141) in Canada. In accordance with NEC Code 410.130 (G), this luminaire contains an internal driver disconnect. UL wet location listed and IP65. 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.

WEIGHT [2]: 2.1 lb/ft

WARRANTY: 5-year performance-based warranty on all standard components.

1 20 business days lead time for color
2 Excludes Battery Backup and Generator Transfer Device weight

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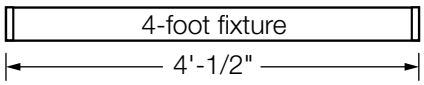
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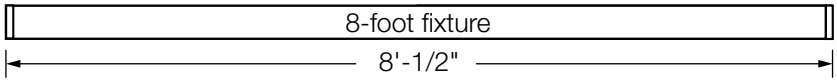
INDEPENDENT OR CONTINUOUS ROWS

2', 3', 4', 5', 6', 7', and 8' section lengths. Independent and continuous rows available.
For **independent luminaires** add **1/4"** for each endcap for overall length.
Example: 4'=4'-1/2"

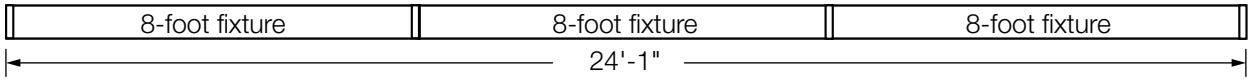


Endcaps and Joints = **1/4"**

Example: 8'=8'-1/2"



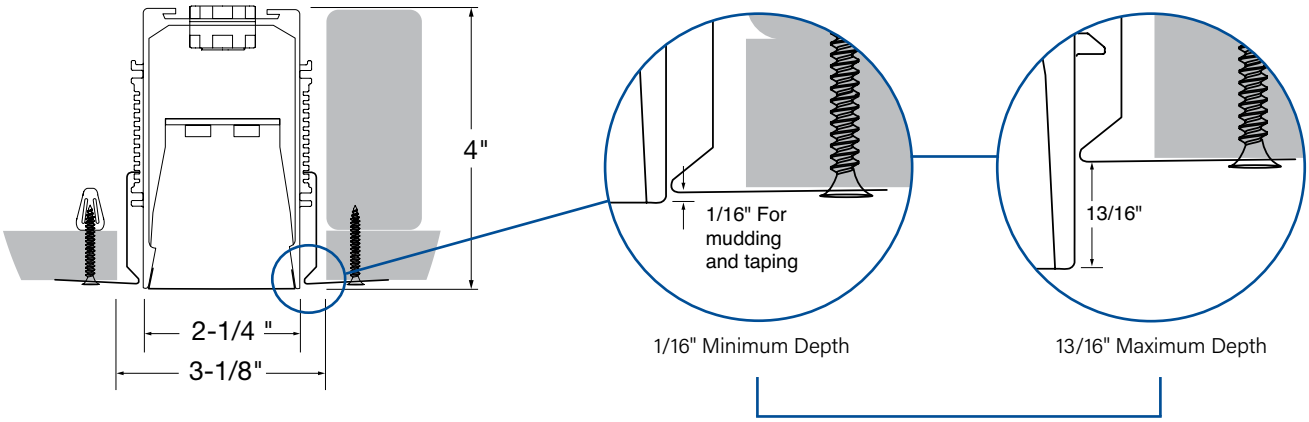
For **continuous rows** add **1/4"** for each endcap and **1/4"** for each joint for overall length.
Example: 24'=24'-1"



Above drawings not to scale.

SPACKLE FLANGE DEPTH OPTIONS

Spackle Flange can be specified to various depths to accommodate different building materials and thicknesses.
The minimum depth is 1/16" and can be specified in 1/8" increments up to a maximum depth of 13/16".



Spackle Flange (SF)

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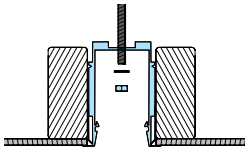
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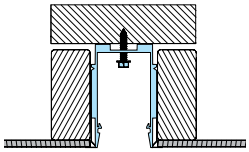
HARD CEILING MOUNTING OPTIONS

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

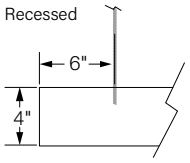
Threaded Rod Option



Screw Mount Option

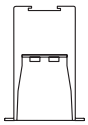


Mounting Location for Securing to Structure



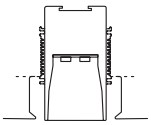
HOUSINGS

Version 1



Visible Flange
(**VF**)

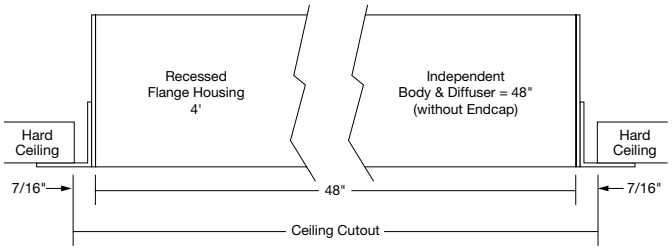
Version 2



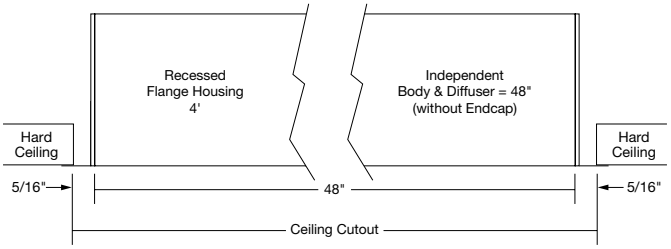
Spackle Flange
(**SF**)

HARD CEILING LENGTH DETAIL - 4' EXAMPLE

Spackle Flange



Visible Flange



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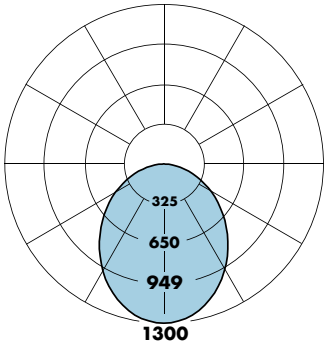
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High Performance 2" Wet Location (HP-2 WL)

Direct Photometry - 4' Luminaire 3500K

HP2 WL-P-D-4'-V-835
Downlight: Flush Diffuser

Efficacy: 91 lm/W
Total luminaire output: 3206 lumens (802 lm/ft)
35.0 watts (8.8 W/ft)
Peak Candela Value: 1300 @ 0º
CRI: 80 / CCT: 3500K



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S [1]	**B** [1]	**H** [1]	**V** [2]
1359	1999	2621	3206

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S [1]	**B** [1]	**H** [1]	**V** [2]
340	500	655	802

Power, 3500K (Watts Per Foot)							
↓S [1]		**↓B** [1]		**↓H** [1]		**↓V** [1]	
120V	277V	120V	277V	120V	277V	120V	277V
3.9	4.0	5.4	5.5	4.6	7.5	8.8	9.0

Efficacy, 3500K, 80 CRI (Lumens Per Watt)							
↓S [1]		**↓B** [1]		**↓H** [1]		**↓V** [21]	
120V	277V	120V	277V	120V	277V	120V	277V
87	84	94	91	144	88	91	90

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
2700K	0.948
3000K	0.971
3500K	1.000
4000K	1.032
5000K	1.032

Lumen Adjustment Factors 90 CRI	
2700K	0.814
3000K	0.834
3500K	0.858
4000K	0.887
5000K	0.887

Boosted Standard Output (**B**), 4000K, 90 CRI
Lumen Adjustment Factor: 0.887
Total Light Output: 1999 lm x 0.887 = 1773 lm
Total Light Output per Foot: 500 lm/ft x 0.887 = 444 lm/ft.
Watts/foot: 5.4 W/ft.

$$\textbf{Efficacy} = \frac{444\ \frac{\text{lm}}{\text{ft.}}}{5.4\ \frac{\text{W}}{\text{ft.}}} = 82\ \text{lm/W}$$

S - Standard Output, **B** - Boosted Standard Output
1 Family Correlation based on 4' luminaire 3500K Very High Output (**V**) test - 120V.

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