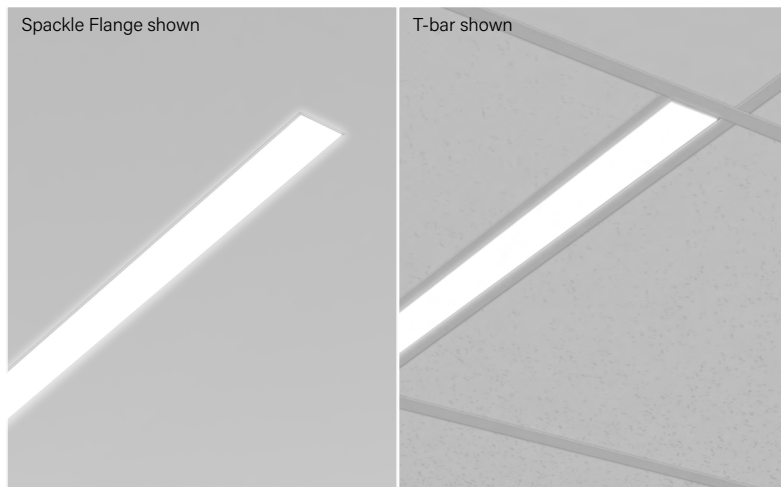


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Type:	Project:	
Ordering Info:		

High Performance 1" Aperture (HP-1) Recessed



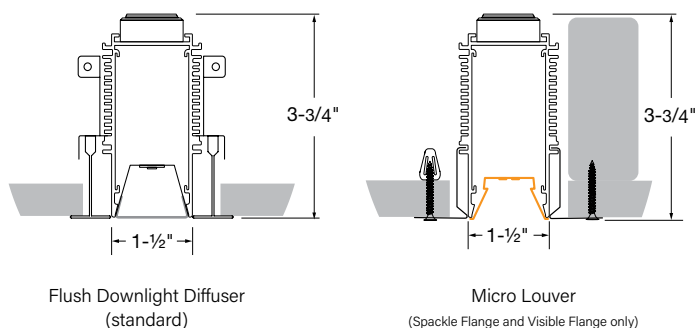
Signal White is standard finish

High Performance 1" Aperture is a patented, linear LED luminaire family. HP-1 delivers excellent performance using an advanced optical design and mid-power LEDs. Backed by a 10-year performance-based warranty on all standard component

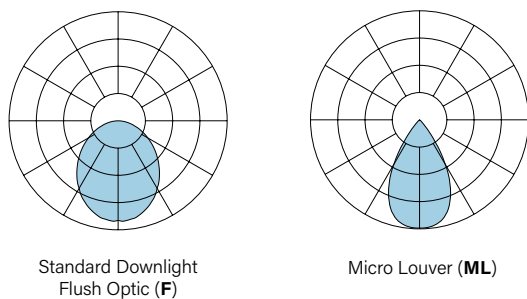
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

CROSS SECTIONS

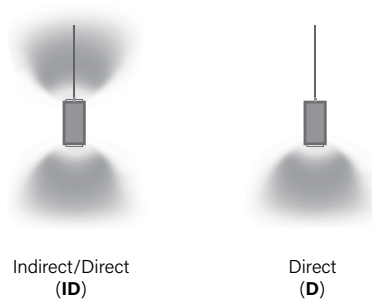
Recessed



OPTIC OPTIONS



ALSO AVAILABLE IN



Declare.



Submitted by:

Date:

Type:

Project:

Ordering Info:

High Performance 1" Aperture (HP-1) Recessed

Clear Form

Ordering Guide Example: HP - 1 - R - D - 36' - S - 835 - F - 96LG - 120 - MC - FC-10% - C1 - FE - SW - EM/GEN - CP

BODY TYPE

OUTPUT AND LED TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Downlight Output (Flush)
☒ HP - High Performance	☒ 1	☐ R - Recessed	☐ D - Direct	Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length. Use Configuration section to specify size and shape.	☐ S - Standard (227 lm/ft) ☐ B - Boosted (362 lm/ft) ☐ H - High (511 lm/ft) ☐ V - Very High (652 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	Downlight Optics ID & D Only	Voltage	Circuiting ²	Driver Selection
☐ 827 - 80 CRI, 2700K ☐ 830 - 80 CRI, 3000K ☐ 835 - 80 CRI, 3500K ☐ 840 - 80 CRI, 4000K ☐ 927 - 90 CRI, 2700K ☐ 930 - 90 CRI, 3000K ☐ 935 - 90 CRI, 3500K ☐ 940 - 90 CRI, 4000K	☐ F - Flush (standard) ☐ MLW-CS - Micro Louver White Continuous ¹ ☐ MLB-CS - Micro Louver Black Continuous ¹ * Micro Louver White and Black available for Spackle Flange and Visible Flange options only. Reflector System ☐ 96LG - 96 Low Gloss White	☐ 120 - 120 Voltage ☐ 277 - 277 Voltage ☐ 347 - 347 Voltage (OTI only)	☐ 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)	0-10V Driver Options ☐ FC-10% - 0-10V 10% (standard) ☐ FC-1% - 0-10V 1% ☐ OTI-10% - EldoLED OTi, 0-10V 10% ³ ☐ OTI-1% - EldoLED OTi, 0-10V 1% ³ ☐ ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1%

ELECTRICAL OPTIONS

MOUNTING OPTIONS

OTHER OPTIONS

Driver Selection	Ceiling Hardware Type	Endcap Style	Finish	Emergency Style (Optional) See page 5 Backup Battery table	Clear Selection
DALI Driver Options ☐ FC-DALI-1% - DALI 1% ☐ ELD-DALI-0% - EldoLED SOLOdrive, 0.1%, DT6 ☐ ELD-DALI-1% - EldoLED ECODrive D4i, DALI 1% Dimming DT6 Lutron Driver Options ☐ LUT-ES1 - Lutron, LDE1 Ecosystem 1% See Page 3 for additional driver options and details	☐ C1 - 15/16" T-Bar ☐ C1T - 15/16" Tegular ☐ C2 - 9/16" T-Bar ☐ C2T - 9/16" Tegular ☐ C3 - Screw Slot ☐ C3F - Flush Screw Slot ☐ SF - Spackle Flange * ☐ VF - Visible Flange * * Micro Louver White and Black available for Spackle Flange and Visible Flange options only.	☐ FE - Flat Endcap (standard)	☐ SW - Signal White (standard) ☐ FB - Finelite Black (15 day lead time) ☐ SA - Satin Aluminum (15 day lead time) ☐ #### - RAL Color Code ⁴ _____	☐ EM/GEN - Emergency to Generator ☐ NL - Night Light See Backup Battery table on page 5 for fitment limitations	

OTHER OPTIONS

Special Options (Optional)

Clear Selection

☐ CP - Chicago Plenum

☐ RLA - Red List Approved ⁵

☐ RLD - Red List Declared ⁵

1 Only 1 ft. increments for Micro Louver
2 Contact factory for switching options
3 Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)
4 20 business days lead time for color
5 Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox

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

High Performance 1" Aperture (HP-1) Recessed

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

Lutron Driver Options

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

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

High Performance 1" Aperture (HP-1) Recessed

SPECIFICATIONS

BODY TYPE

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

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

OUTPUT AND LED TYPE

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

MECHANICAL/OPTICAL OPTIONS

DOWNLIGHT OPTION : 12' maximum diffuser length. Flush frost white snap-in diffuser standard, 82% transmissive, 99% diffusion. Uniform, continuous illumination. Micro Louvers (**MLW/MLB**) are white or black and can be specified in 1' increments that provide continuous illumination (CS) and available for Spackle Flange (**SF**) and Visible Flange (**VF**) only. Consult factory for more tailored lumen outputs.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 55,000 hours.

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, 277V, and 347V constant current reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 100%-10% standard. Dimming to 1% available. Separate dimming for uplight and downlight available. Driver is fully accessible from below the ceiling.

Power Factor: ≥ 0.9

Total Harmonic Distortion (THD): <20%

Expected driver lifetime: 100,000 hours

LUTRON DRIVER OPTIONS:

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

MOUNTING OPTIONS

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

Recessed Spackle Flange: Drywall surfaces (walls or ceilings): 1/4" - 20 stud and nut (provided by others).

OTHER OPTIONS

ENDCAPS: Flat endcaps (**FE**) at each end of run add 1/16" to each end of luminaire.

EMERGENCY STYLE: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring.

FINISHES: Finelite Signal White (**SW**) powder coat is standard. Finelite Black (**RAL 9005**) with semi gloss fine texture (**FB**)¹, and Satin Aluminum (**SA**)¹ are available.. Optional Adder: 179 RAL colors² are available.

LABELS: Luminaire and electrical components are ETL-listed conforming to UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.130 (**G**), this luminaire contains an internal driver disconnect. UL 924 and UL 2108 - PoE options available on request. These fixtures are rated for Damp Location. Chicago Plenum options available for C1, C2, or C3 suspension using our GridBox. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2015/863. Consult factory for tailored lighting options. Finelite makes the specification process easy when putting healthier products on your projects. Simply add – **RLA** (Red List Approved) or – **RLD** (Red List Declared) to your part number ([Declared Program Overview](#)).

WEIGHT³: R - 1.5 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.

¹ 15 business days lead time.

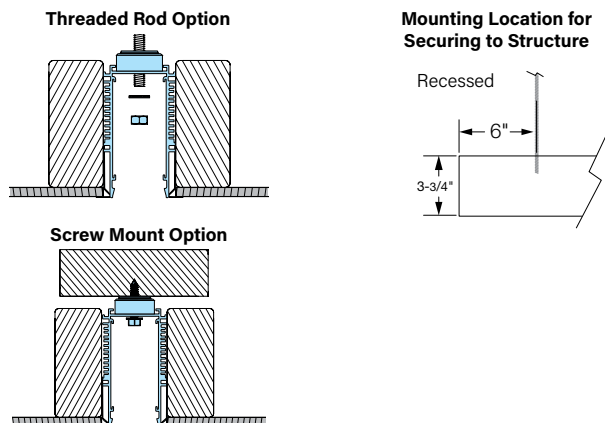
² 20 business days lead time for color.

³ Excludes Battery Backup and Generator Transfer Device weight.

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Type:	Project:	
Ordering Info:		

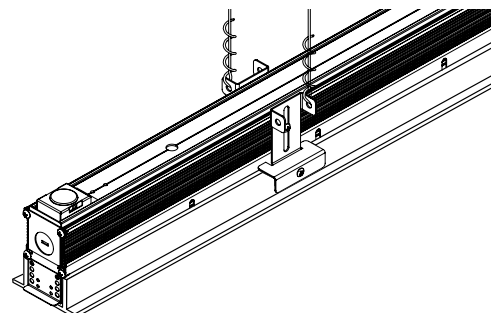
High Performance 1" Aperture (HP-1) Recessed

Hard Ceiling Mounting Options



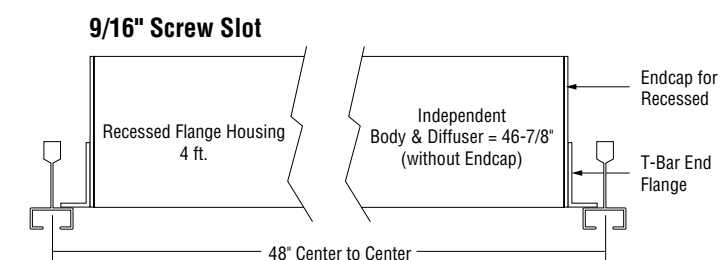
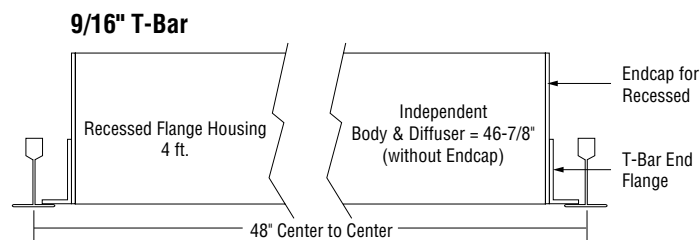
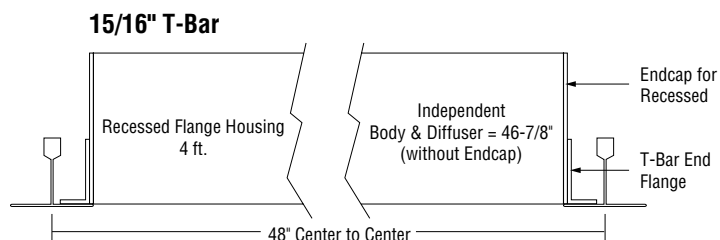
Two mounting options: threaded rod and screw mounting options. Mounting locations are located on each end of the luminaire. Mounting location is 6" away from each end of luminaire.

T-Bar Installation

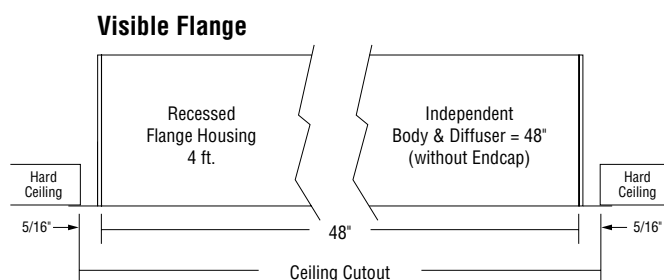
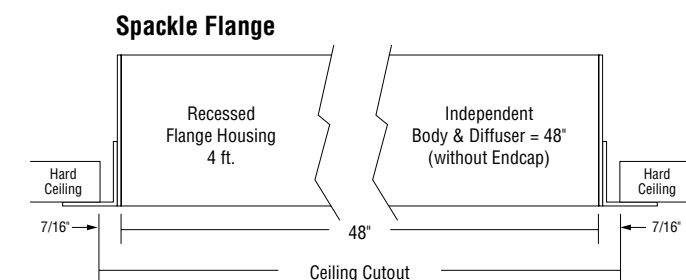


HP-1 R for T-Bar installations comes standard with a splice plate at the end of the luminaire. Mounting brackets (supplied) secure the luminaire to T-Bar and provide support to structure location. All even foot length (2, 4, 6, ...) luminaire runs are reduced in length by an appropriate amount to fit within typical 2x2 and 2x4 T-Bar grid systems. For uncommon T-Bar systems please consult factory.

Grid Length Detail - 4' Example



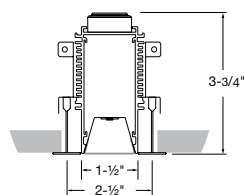
Hard Ceiling Length Detail - 4' Example



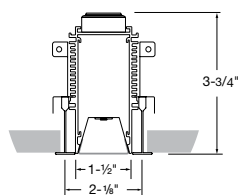
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Type:	Project:	
Ordering Info:		

High Performance 1" Aperture (HP-1) Recessed

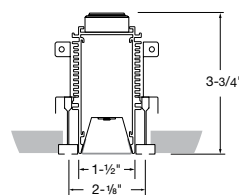
Recessed Mounting Types - T-Bar



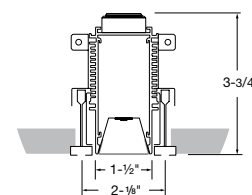
15/16" T-Bar (C1)



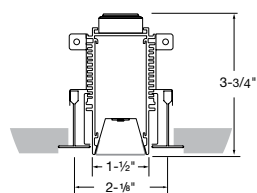
9/16" T-Bar (C2)



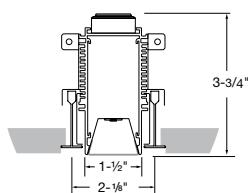
Standard Screw Slot (C3)



Flush Screw Slot (C3F)

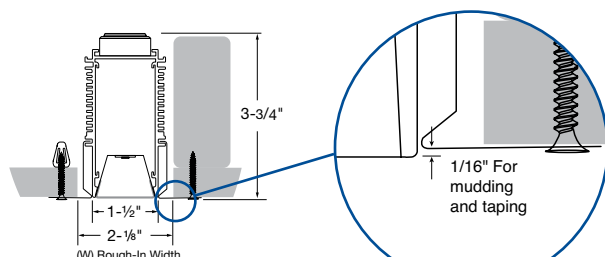


15/16" Tegular (C1T)

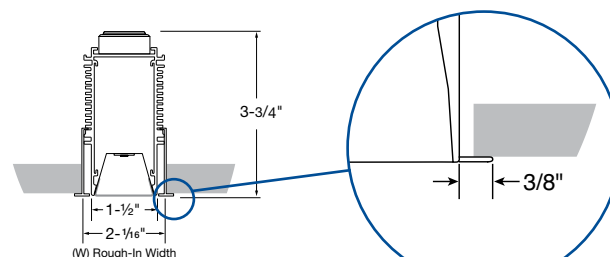


9/16" Tegular (C2T)

Recessed Mounting Types - Cutout Dimensions

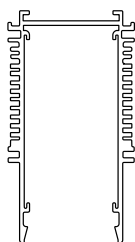


Spackle Flange (SF)



Visible Flange (VF)

HOUSING



Ceiling Options

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

Note: +/- 1/16"

Page 6

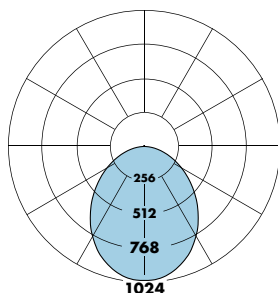
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 1" Aperture (HP-1) Recessed

Direct Photometry - 4' Luminaire 3500K

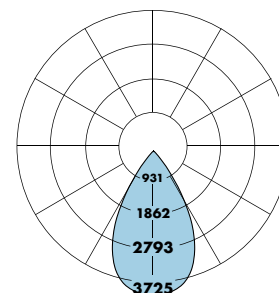
HP1-R-D-4'-V-835-F
Downlight: Flush Diffuser

Efficacy: 118 lm/W
Total luminaire output: 2609 lumens (652 lm/ft)
22.1 watts (5.5 W/ft)
CRI: 80 / CCT: 3500K



HP1-R-D-4'-V-835-MLW
Downlight: White Micro Louver

Efficacy: 130 lm/W
Total luminaire output: 3603 lumens (901 lm/ft)
27.6 watts (6.9 W/ft)
CRI: 80 / CCT: 3500K



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

S ¹	B ¹	H ¹	V ²
908	1385	2044	2609

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

S ¹	B ¹	H ¹	V ²
227	346	511	652

Power, 3500K, 80 CRI (Watts Per Foot) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
2.1	3.1	4.3	5.5

Efficacy, 3500K, 80 CRI (Lumens Per Watt) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
110	116	118	118

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 HP1-P-D-4'-V-835-F-BLX2835 reports

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

S ¹	B ¹	H ¹	V ²
1189	2020	2798	3603

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

S ¹	B ¹	H ¹	V ²
297	505	700	901

Power, 3500K, 80 CRI (Watts Per Foot) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
2.1	3.6	5.2	6.9

Efficacy, 3500K, 80 CRI (Lumens Per Watt) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
139	140	134	130

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 HP1-P-D-4'-V-835-MLW-BLX2835 reports

Wattage is Real Power. Delivered lumens and actual wattage may vary +/- 5%. 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	
2700K	0.948
3000K	0.971
3500K	1.000
4000K	1.032

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

High Output (H), 3000K, 80 CRI

Lumen Adjustment Factor: 0.971

Total Light Output: 2044 lm x 0.971 = 1985 lm

Total Light Output per Foot: 511 lm/ft x 0.971 = 496 lm/ft.
watts/foot: 4.3 W/ft.

$$\text{Efficacy} = \frac{496 \frac{\text{lm}}{\text{ft.}}}{4.3 \frac{\text{W}}{\text{ft.}}} = 115 \text{ lm/W}$$