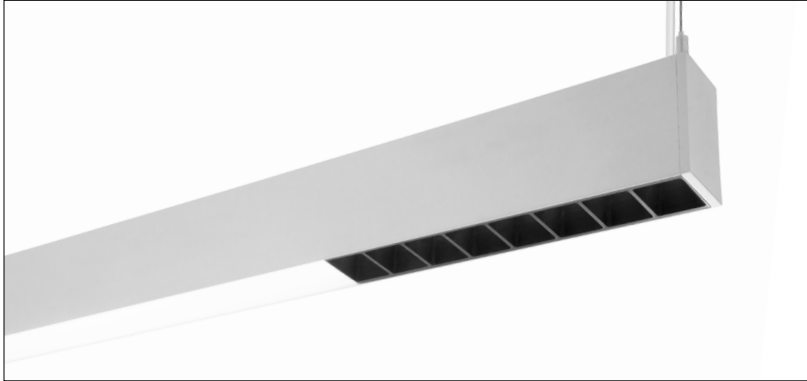


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Segmented Micro Louver



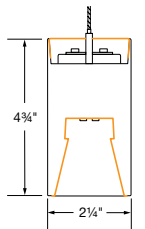
Micro Louver Black Segmented with Illuminated Sections shown

The High Performance 2" Aperture Indirect/Direct, Direct, Surface Mount, and Recessed now available with Micro Louver options. The luminaire delivers excellent performance and uniform light distribution using delivers excellent performance using an advanced optical design and mid-power LEDs deliver uniform illumination with a clean aesthetic, while adaptable for a wide range of applications and spaces. 10-year performance-based warranty on all standard components. Micro Louvers provide omnidirectional glare control and enhance the downlight aesthetic.

CROSS SECTIONS

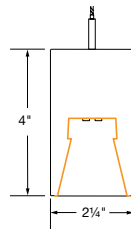
Indirect/Direct

Top Glow (standard)

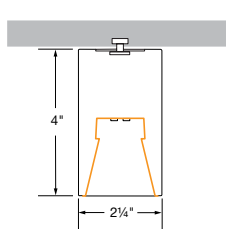


Micro Louver

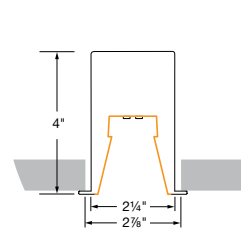
Direct



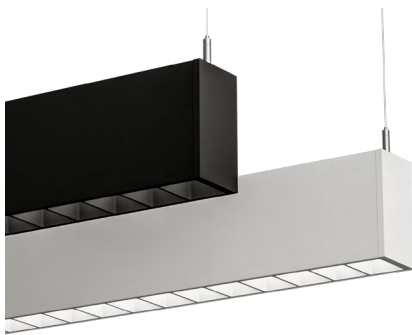
Surface Mount



Recessed

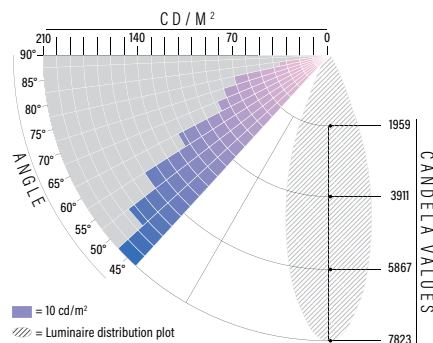


WHITE AND BLACK LOUVERS



Micro Louvers available in black or white, each with unique glare control and performance attributes. Combine with existing housing finishes for unique combinations.

OMNI-DIRECTIONAL GLARE CONTROL



Minimized luminance values above 45° reduce eyestrain while supporting task performance and comfort. See page 6 for details.

ALSO AVAILABLE IN CONTINUOUS RUNS



Micro Louver can be specified as a continuous run. See Continuous Micro Louver technical sheet for details.



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

High Performance 2" Aperture (HP-2) Segmented Micro Louver

Ordering Guide Example: HP - 2 - P - D - 36' - S - 835 - F - MLW-SGB - 96 - 120 - DC - FC-10% - FA50 - C1 - FE - SW - LGD18W - OBO1 - CP - 8ML - S - CFG - S

BODY TYPE				OUTPUT and LED TYPE		
Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Uplight Output (ID Only)	Downlight Output (Illuminated Sections Only)
HP - High Performance	2	P - Pendant SM - Surface Mount R - Recessed	D - Direct ID - Indirect/Direct ¹	Minimum 3' section length. Available in 1ft increments, standard. 12' maximum section length. ^{2, 3} See Page 7 for specifying details	S - Standard (479 lm/ft) B - Boosted (616 lm/ft) H - High (938 lm/ft) V - Very High (1193 lm/ft) TL - Tailored: _____lm/ft*	S - Standard (350 lm/ft) B - Boosted (449 lm/ft) H - High (684 lm/ft) V - Very High (870 lm/ft) TL - Tailored: _____lm/ft*

OUTPUT and LED TYPE		MECHANICAL/OPTICAL OPTIONS		ELECTRICAL OPTIONS	
LED CRI/CCT	Uplight Options ID Only	Downlight	Reflector System	Voltage	Circuiting ⁴
830 - 80 CRI, 3000K	TG - Top Glow (standard)	Micro Louver White	96 - 96 Low Gloss White	120 - 120 Voltage	SC - Single Circuit* One single circuit in a run
835 - 80 CRI, 3500K	F - Flush	MLW-SGB - Segmented with Blank Sections		277 - 277 Voltage	DC - Dual Circuit* ⁵ Independent control of up and down separately in an I/D style luminaire
840 - 80 CRI, 4000K	WSO - Widespread Optic	MLW-SGI - Segmented with Illuminated Sections		347 - 347 Voltage (OTI only)	MC - Multi-Circuit* More than one switch leg or zone. Factory shop drawings required
930 - 90 CRI, 3000K	WSOTG - Widespread Optic with Top Glow	Micro Louver Black			* Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)
935 - 90 CRI, 3500K	ASY-L - Asymmetric Left Optic	MLB-SGB - Segmented with Blank Sections			
940 - 90 CRI, 4000K	ASY-R - Asymmetric Right Optic	MLB-SGI - Segmented with Illuminated Sections			
8TW - 80 CRI, Tunable White	ASYTG-L - Asymmetric Left Optic with Top Glow ASYTG-R - Asymmetric Right Optic with Top Glow				

ELECTRICAL OPTIONS

Driver Selection ⁶

0-10V Driver Options

- FC-10% - 0-10V 10% (standard)
- FC-1% - 0-10V 1%
- OTI-10% - EldoLED OTI, 0-10V 10% ^{7,8}
- OTI-1% - EldoLED OTI, 0-10V 1% ^{7,8}
- ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1%
- OTI-10V-TW - EldoLED OTI, 0-10V 10% (Tunable White) ^{7,8}

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, 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

OTHER OPTIONS

Mounting Method ⁹	Ceiling Hardware Type		Endcap Style	Finish	Emergency Style (Optional) ¹⁰ <small>See page 5 Backup Battery table</small>
FA50 - Fully Adjustable 50" (standard)	C1 - 15/16" T-Bar	C4 - Hard Ceiling	FE - Flat Endcap	SW - Signal White (standard)	LGD18W - Legrand 18W Brand Battery Back-up
FA100 - Fully Adjustable 100"	C1T - 15/16" Tegular ¹²	VF - Visible Flange ¹²		FB - Finelite Black ¹³	LGD10W - Legrand 10W Brand Battery Back-up
FA150 - Fully Adjustable 150"	C2 - 9/16" T-Bar	SF - Spackle Flange ¹²		SA - Satin Aluminum ¹³	EM/GEN - Emergency to Generator NL - Night Light
FA200 - Fully Adjustable 200"	C2T - 9/16" Tegular ¹²	TZ6 - Tech Zone 4" _____ (C1, C2, C2T, C3, C3F) ¹²		MM01 - Gray Elm ¹⁴	BSL310LP - Bodine Battery Back up Low Profile
FA250 - Fully Adjustable 250"	C3 - Screw Slot			MM02 - White Oak ¹⁴	BSL10T3 - Bodine Battery Back up Low Profile Compact
FA300 - Fully Adjustable 300"	C3F - Flush Screw Slot			MM03 - Teak ¹⁴	GTD - Generator Transfer Device ¹⁵
FM - Flexible Mounting ¹¹				MM04 - Walnut ¹⁴	ALCR - Automatic Load Control Relay ¹⁵
				#### - RAL Color Code ¹⁴	

OTHER OPTIONS

Integrated Sensor (Optional) ¹⁸	Special Options (Optional)	Micro Louver	Location - Quantity	Micro Louver Light Output
OBO1 - WS FS-305 w/ FS-L6 lens on/off (max mounting height 8") OCC Sensor	CP - Chicago Plenum ¹²	8ML - Micro Louver	S - ____ E - ____ CFG - Custom Micro Louver Pattern Configuration	S - Standard (353 lm/ft) B - Boosted Standard (444 lm/ft) H - High (671 lm/ft) V - Very High (863 lm/ft)
OBO2 - WS FS-305 w/ FS-L3W lens on/off (max mounting height 20") OCC Sensor	OBO5 - WS FS-505 Low Voltage Stair Mount Sensor			lm/ft values show here are for white louvers. See page 10 for black louvers performance data
OBO3 - WS FS-305D w/ FS-L6 lens Dim to 50% (max mounting height 8") OCC Sensor	OBD - Daylight			
OBO4 - WS FS-305D w/ FS-L3W lens Dim to 50% (max mounting height 20") OCC Sensor	W601 - Wattstopper Wireless Sensor ¹⁶			
	VOCC - Lutron Vive Sensor ¹⁷			
	VRF - Lutron Vive RF ¹⁷			

1 Pendant only
2 Micro Louver sections tailorable to 1" increments
3 Illuminated and blank sections 2" minimum
4 Contact factory for switching options
5 Indirect/Direct only
6 For illuminated Indirect/Direct lengths 3' and greater, separate dimming for uplight and downlight available
7 Pendant and Surface Mount only
8 Battery backup button must be located on illuminated section
9 Direct only
10 Recessed only
11 15 business day lead time
12 20 business day lead time for MM and color
13 Do not use in applications where Lutron integrated controls and LUT-ELI are both specified.
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 Lutron Vive Integrated Sensors require a DALI driver
16 Minimum fixture length: Direct with a sensor is 8ft.

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

High Performance 2" Aperture (HP-2) Segmented Micro Louver

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

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

High Performance 2" Aperture (HP-2) Segmented Micro Louver

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision-cut 6063-T6 extruded aluminum body. Internal joiner system and plug-together wiring are standard. Micro Louvers made from molded plastic.

LENGTHS: Any length, 3' minimum. Increments of 1', standard. Minimum length for blank or illuminated section is 2'. 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 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.

WELL Building, feature L04 Electric Light Glare control: *HP-2 D MLW*: 80CRI - **S/B/H/V**, 90 CRI - **S/B/H/V**; *HP-2 D MLB*: 80CRI - **S/B/H/V**, 90 CRI - **S/B/H/V**.



LEED v5, interior Lighting Indoor Environmental Quality (qualify for LEED v4.1): *HP-2 D MLW*: 80CRI - **S/B/H/V**, 90 CRI - **S/B/H/V**; *HP-2 D MLB*: 80CRI - **S/B/H/V**, 90 CRI - **S/B/H/V**.



MECHANICAL/OPTICAL OPTIONS

UPLIGHT OPTION¹: 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: 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. Micro Louvers (**MLW/MLB**) are white or black and can be specified in 1' increments. Segmented with illuminated sections (**SGI**), or segmented with blank sections (**SGB**). Blank sections painted to match luminaire finish. 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.

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 luminaire current exceeds 5 amps. DMX and power feed at same location (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

0-10V:

- One 18-gauge / 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%
- **Expected driver 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 277.

- Power Factor:** ≥ 0.9
- 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:

Pendant: 50" Fully Adjustable (**FA**) plated steel aircraft cable with safety stop hardware standard. Contact factory for additional lengths up to 300". The Flexible Mounting Bracket (**FM**)² adjusts the suspension points to accommodate existing architecture. Suspension points adjust up to 2' in from the end of 8' and greater luminaire lengths and up to 1' in on shorter lengths.

Surface Mount: Lay-in ceiling types: caddy clip with 1/4"-20 stud and nut. Drywall or concrete surfaces (walls or ceilings): 1/4"-20 stud and nut (provided by others).

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

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.

Continued

¹ Indirect/Direct only
² Direct only

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

High Performance 2" Aperture (HP-2) Segmented Micro Louver

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 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.

EMERGENCY STYLE: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step- dimming driver, backup battery. Factory choice low-profile backup battery available.

Backup Battery

	Legrand 18W	Legrand 10W/Bodine BSL310LP
HP2-P-D / HP2-R-D / HP2-SM-D		
Min. Housing Length	8' *	4' **
EM Lumen Output	1608	957
EM Section Illum.	2'	2' or 4'
HP2-P-ID		
Min. Housing Length	12'	8'
EM Lumen Output	1608	957
EM Section Illum.	2'	2' or 4'

* Minimum luminaire 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.

Bodine GTD and Legrand ALCR Min. Length

Configuration	Min Length	
	ID, SM, R	D
Generator	6'	4'
Generator + OCC	8'	6'
Daylight	6'	4'
Generator + Daylight	8'	6'

TUNABLE WHITE ELECTRICAL OPTIONS¹:

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 downlight diffuser. 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 with a sensor is 8ft. 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 is standard. Finelite Black (RAL 9005) with semi gloss fine texture (**FB**)², and Satin Aluminum (**SA**)² are available. Material Mimic options³: Gray Elm (**MM01**), White Oak (**MM02**), Teak (**MM03**), Walnut (**MM04**). Optional Adder: 179 RAL colors³ 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. 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.

WEIGHT⁴: ID - 2.9 lb/ft; D - 2.3 lb/ft; I - 2.3 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.

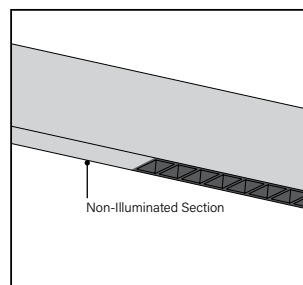
1 Consult Finelite for Generator Transfer Device and Battery Back up fit

2 15 business days lead time

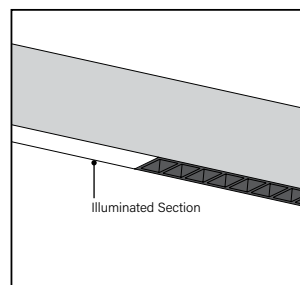
3 20 business days lead time for Material Mimic options and color

4 Excludes Battery Back up and Generator Transfer Device weight

DOWNLIGHT SEGMENTED OPTIONS



Segmented with Blank Sections*
MLW-SGB / MLB-SGB



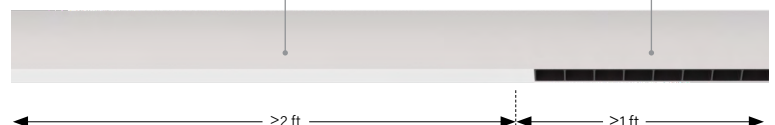
Segmented with Illum. Sections
MLW-SGI / MLB-SGI

Blank/Illuminated Sections

Louvers combine with blank* or illuminated segments. Minimum section length 2 ft. Blank section maximum length is 4 ft. See page 7 for more details on how to specify.

Micro Louver Sections

Louver sections tailorable to 1 ft increments.



*Blank section will match the color of the designated luminaire finish

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

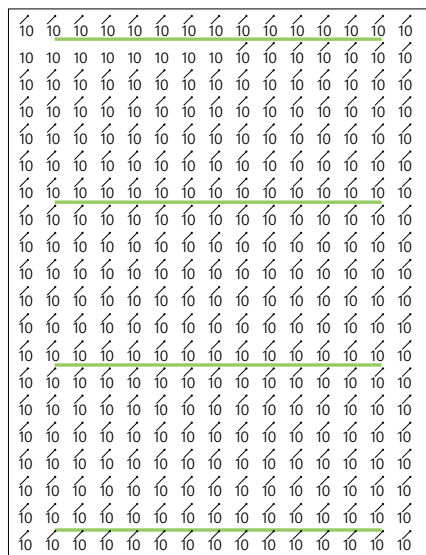
High Performance 2" Aperture (HP-2) Segmented Micro Louver

GLARE CONTROL APPLICATION*

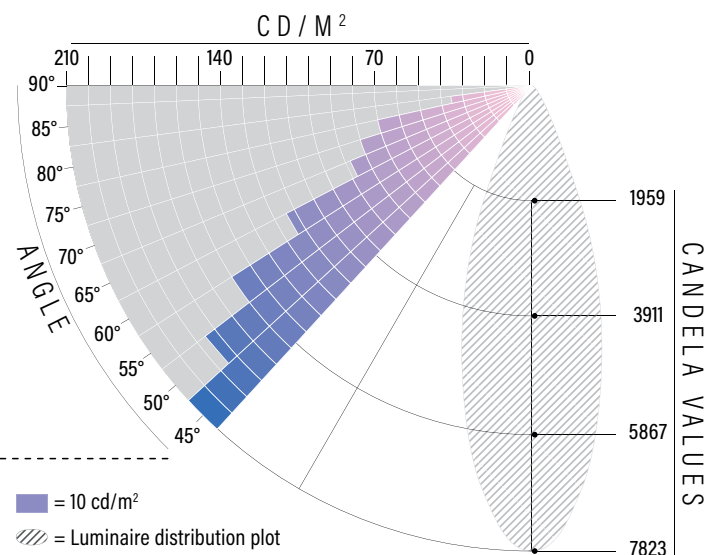
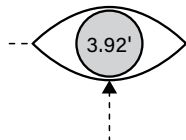
ID	PERFORMANCE				UNIFIED GLARE RATING		
	Luminaire	Lum. Lumens	Lum. Watts	LLD	LDD	Avg.	Max.
HP-2-P-D-MLB	2422	36.2	1,000	1,000	10.0	10	10
HP-2-P-D-MLW	3181	36.2	1,000	1,000	13.0	17	10

Ceiling height: 12'0" AFF
 Luminaire mounting height: 10'0" AFF to bottom of luminaire
 Room reflectances: 80/50/20
 UGR grid is at 3.92' AFF
 Horizontal Viewing Angle: 45°/

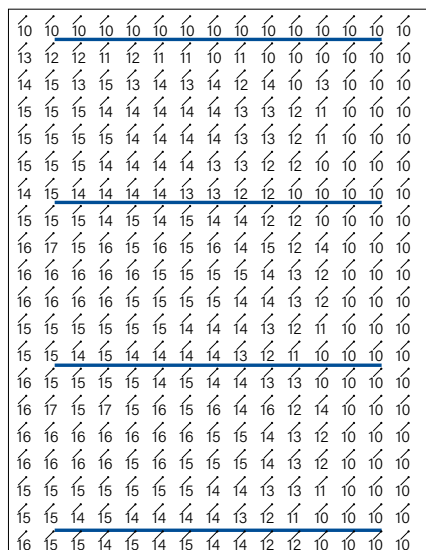
Micro Louver Continuous Black



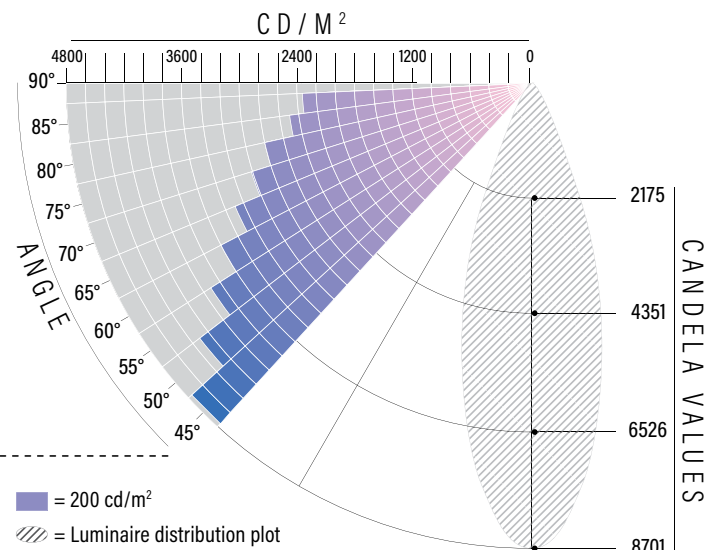
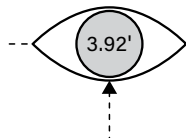
AVERAGE
UGR
10



Micro Louver Continuous White



AVERAGE
UGR
13



*Room calculations based on Micro Louver continuous luminaire, recommended to follow LEED v4.1, WELL L07 calculation strategies

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

High Performance 2" Aperture (HP-2) Segmented Micro Louver

LENGTHS GUIDE

START OR END WITH MICRO LOUVER - S/E

1. Specify Total Length of Run in 1' increments. (Minimum length is 3')

Total Length of Run

4'

2. Select Micro Louver color (MLW or MLB) and Illuminated Section (SGI)

MLW-SGI - Segmented with Illuminated Sections

Micro Louver	Location - Quantity
<input checked="" type="radio"/> 8ML - Micro Louver	<input checked="" type="radio"/> S - 4 E - 1
<input type="radio"/> CFG - Custom Micro Louver Pattern Configuration	

3. Under the Location-Quantity column in the ordering guide enter the desired Start or End length of Micro Louver in 1' increments next to the S or E (Micro Louver minimum length is 1').

Example

Starts with:

HP-2-P-D-12'-H-835-MLW-SGI-96-120-SC-FC-10%-FA50-C1-FE-SW-8ML-S6-H

Ends with:

HP-2-P-D-12'-H-835-MLW-SGI-96-120-SC-FC-10%-FA50-C1-FE-SW-8ML-E6-H

START AND END WITH MICRO LOUVER - SE

1. Specify Total Length of Run in 1' increments. (Minimum length is 4')

Total Length of Run

4'

2. Select Micro Louver color (MLW or MLB) and Illuminated (SGI) or Blank (SGB) section.

MLW-SGI - Segmented with Illuminated Sections

MLW-SGB - Segmented with Blank Sections

Micro Louver	Location - Quantity
<input checked="" type="radio"/> 8ML - Micro Louver	<input checked="" type="radio"/> S - 1 E - 1
<input type="radio"/> CFG - Custom Micro Louver Pattern Configuration	

3. Under the Location-Quantity column in the ordering guide enter the desired Start and End length of Micro Louver in 1' increments next to the S and E (Micro Louver minimum length is 1').

Example

Starts & Ends with:

HP-2-P-D-12'-H-835-MLW-SGI-96-120-SC-FC-10%-FA50-C1-FE-SW-8ML-S4-E4-H

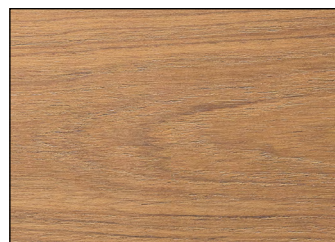
MATERIAL MIMIC OPTIONS¹



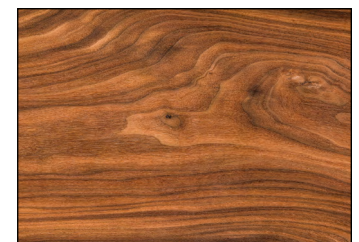
Gray Elm (MM01)



White Oak (MM02)



Teak (MM03)



Walnut (MM04)

The appearance of Material Mimic finishes may vary due to environmental lighting conditions and surrounding color influences. Sample swatches are available upon request for evaluation in situ under expected lighting and design conditions.

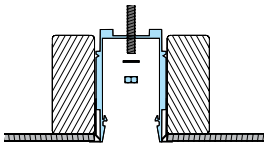
¹ Due to the uniqueness of Material Mimic options, color and grain pattern may vary, sample swatches are available upon request.

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

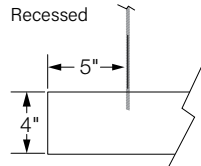
High Performance 2" Aperture (HP-2) Segmented Micro Louver

HARD CEILING MOUNTING OPTIONS

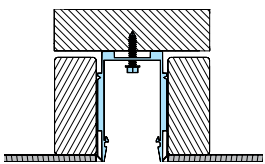
Threaded Rod Option



Mounting Location for Securing to Structure

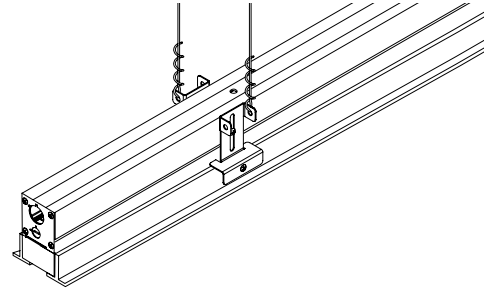


Screw Mount Option



Two 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.

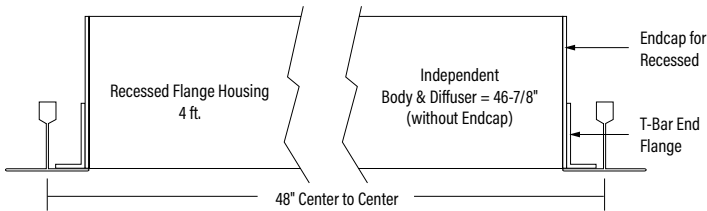
T-BAR INSTALLATION



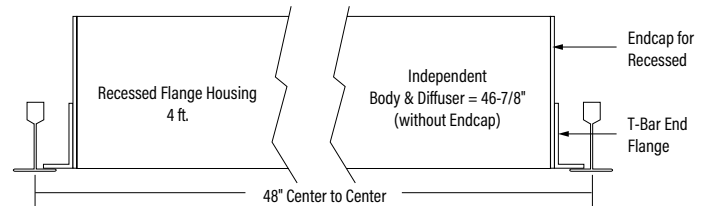
HP-2 R for T-Bar installations comes standard with a splice plate at the end of the luminaire. Mounting brackets (supplied) secure the luminaire to T-Bar and provide support to structure location. All even foot length (2, 4, 6, ...) luminaire runs are reduced in length by an appropriate amount to fit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

GRID LENGTH DETAIL - 4' EXAMPLE

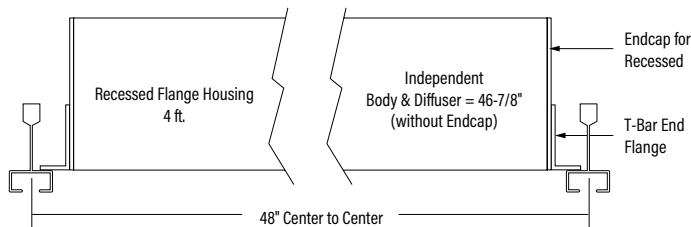
15/16" T-Bar



9/16" T-Bar

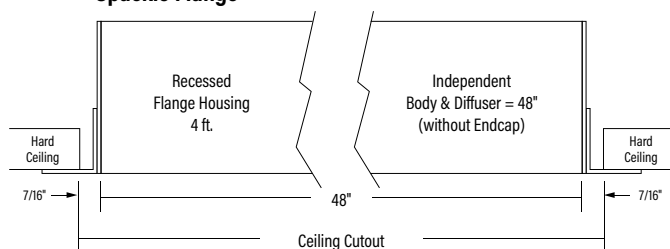


9/16" Screw Slot

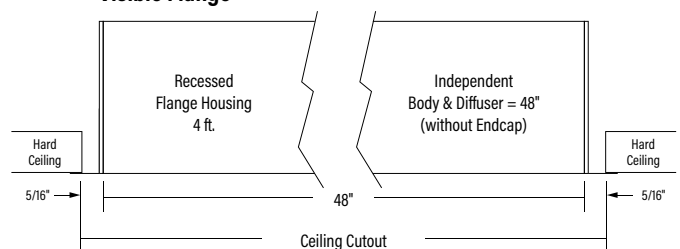


HARD CEILING LENGTH DETAIL - 4' EXAMPLE

Spackle Flange



Visible Flange

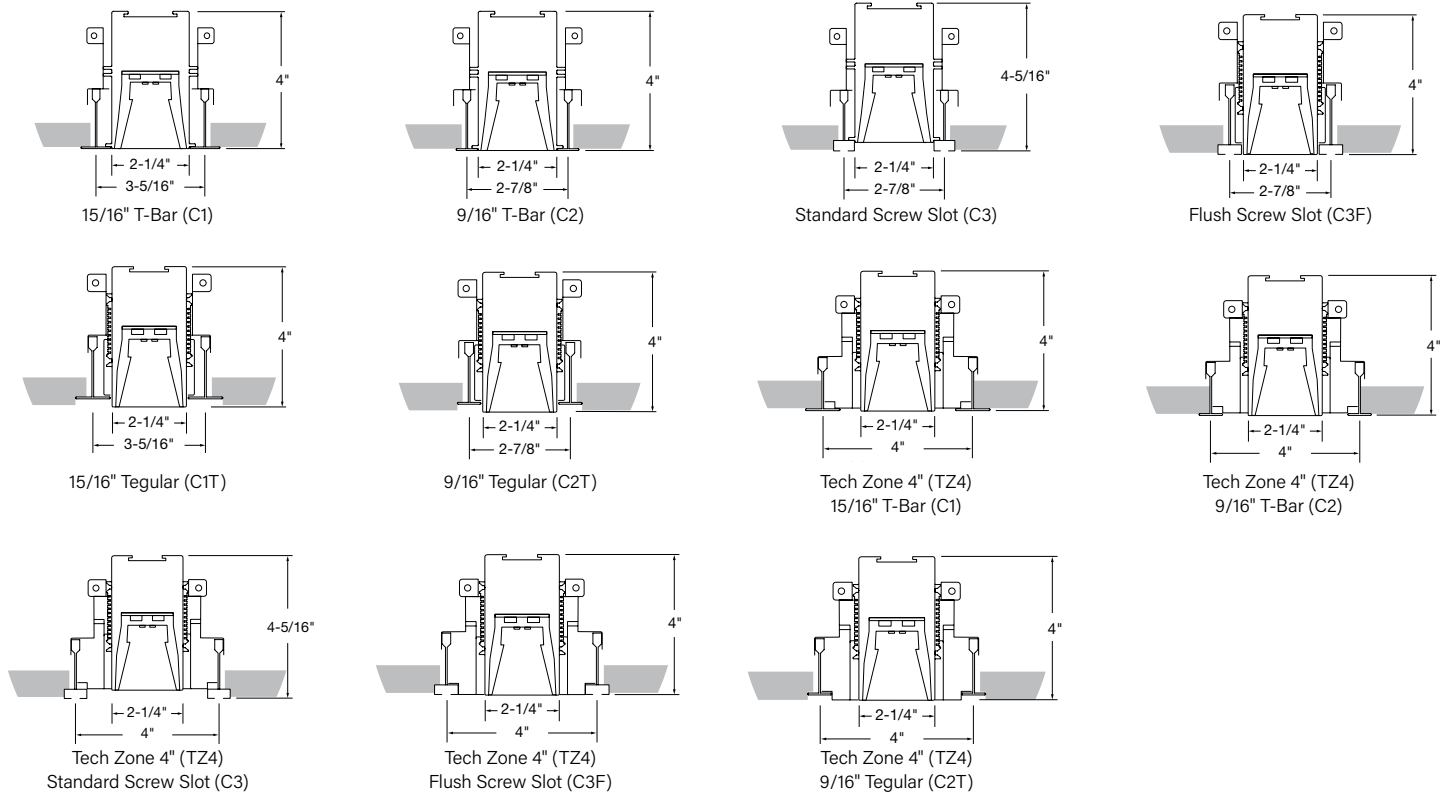


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

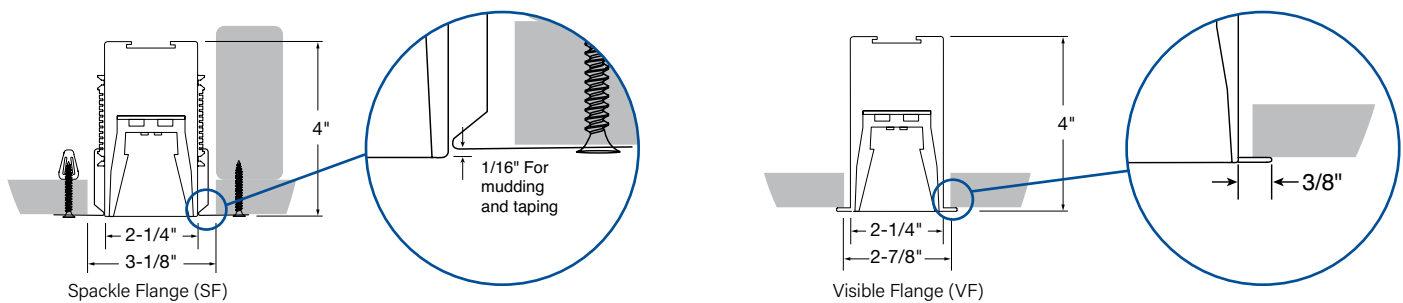
High Performance 2" Aperture (HP-2) Segmented Micro Louver

RECESSED MOUNTING TYPES - T-BAR

Rough-In Dimensions

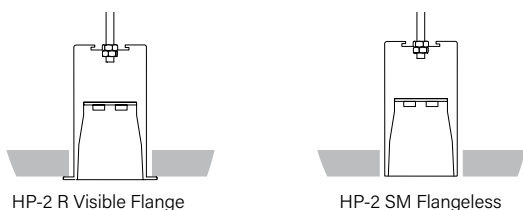


RECESSED MOUNTING TYPES - CUTOUT DIMENSIONS

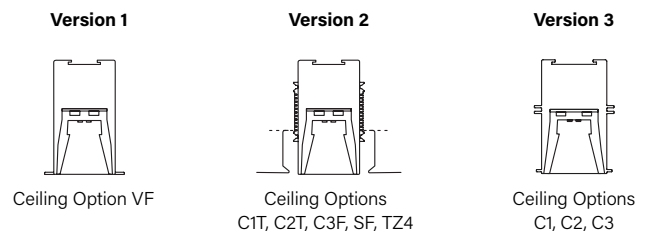


WOOD CEILING OPTIONS

Recessed 1/4 - 20 Threaded Rod (by others)



HOUSING



Note: +/- 1/16"

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

High Performance 2" Aperture (HP-2) Segmented Micro Louver

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P-ID-V-V-835-F-F

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

Distribution: 58% Up (V) / 42% Down (V)

Efficacy: 115 lm/W

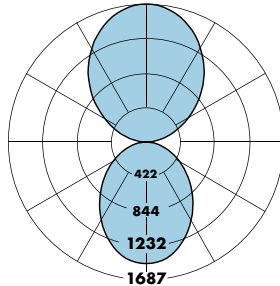
Uplight: 4786 lumens (1197 lumens/foot)

Downlight: 3466 lumens (867 lumens/foot)

Total luminaire output: 8252 lumens (2063 lm/ft)
73.8 watts (18.5 W/ft)

Peak Candela Value: 1687 @ 180°

CRI: 80 / CCT: 3500K



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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	3315	↑58%	↓42%	3862
↓B ¹	3714	↑52%	↓48%	4261
↓H ¹	4652	↑41%	↓59%	5199
↓V ²	5397	↑36%	↓64%	5944
	164%	↓36%	5148	↑73%
	↓27%	6170	↑77%	↓23%
	6569	↑73%	↓27%	
	7507	↑64%	↓36%	
	8252	↑58%	↓42%	

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	829	966	1287	1543
↓B ¹	929	1065	1387	1642
↓H ¹	1163	1300	1621	1877
↓V ²	1349	1486	1808	2063

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	7.0	7.5	8.0	8.5
↓B ¹	8.0	8.5	9.0	9.4
↓H ¹	10.4	10.7	11.4	11.6
↓V ²	12.5	12.7	13.5	13.7
	10.4	10.7	11.4	11.6
	13.7	13.8	15.8	15.9
	17.9	17.9	18.0	

Efficacy, 3500K, 80 CRI (Lumens Per Watt) 120 | 277

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	118	111	121	114
↓B ¹	116	110	119	113
↓H ¹	112	109	115	112
↓V ²	108	106	111	109
	124	121	124	121
	122	120	122	120
	119	118	119	118
	115	114	115	115

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

Direct Photometry - 4' Luminaire 3500K

HP2-P-D-V-835-F

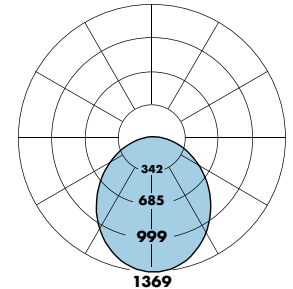
Downlight: Flush Diffuser

Efficacy: 97 lm/W

Total luminaire output: 3480 lumens (870 lm/ft)
36 watts (9.0 W/ft)

Peak Candela Value: 1369 @ 0°

CRI: 80 / CCT: 3500K



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

↓S ¹	↓B ¹	↓H ¹	↓V ²
1398	1797	2735	3480

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

↓S ¹	↓B ¹	↓H ¹	↓V ²
350	449	684	870

Power, 3500K (Watts Per Foot)

↓S ¹	↓B ¹	↓H ¹	↓V ²
3.5	3.8	4.5	4.7
6.9	6.9	9.0	9.0

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

↓S ¹	↓B ¹	↓H ¹	↓V ²
100	93	100	96
100	99	97	97

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

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 (H), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 6486 lm x 0.789 = 5117 lm
Total Light Output per Foot: 1621 lm/ft x 0.789 = 1279 lm/ft.
watts/foot: 13.7 W/ft.

$$\text{Efficacy} = \frac{1279 \frac{\text{lm}}{\text{ft.}}}{13.7 \frac{\text{W}}{\text{ft.}}} = 93 \text{ lm/W}$$

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

High Performance 2" Aperture (HP-2) Segmented Micro Louver

Micro Louver Direct Photometry - 4' Luminaire 3461K

HP2-P-D-MLW-CS-V-835

Downlight: White Micro Louver Continuous

Efficacy: 96 lm/W

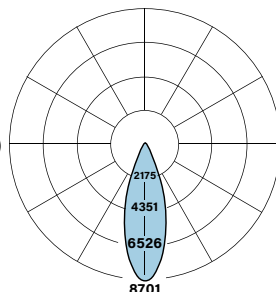
Total luminaire output: 3452 lumens (863 lm/ft)
36.1 watts (9.0 W/ft)

Peak Candela Value: 8701 @ 0°

CRI: 80 / CCT: 3461K

NLTL LM79 Report REP-021122.01

LM63 Report KPL2008-7



Micro Louver Direct Photometry - 4' Luminaire 3472K

HP2-P-D-MLB-CS-V-835

Downlight: Black Micro Louver Continuous

Efficacy: 68 lm/W

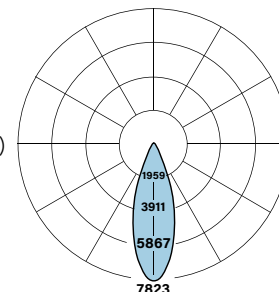
Total luminaire output: 2449 lumens (612 lm/ft)
36.0 watts (9.0 W/ft)

Peak Candela Value: 7823 @ 0°

CRI: 80 / CCT: 3472K

NLTL LM79 Report REP-021122-02

LM63 Report KPL2008-6



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

S ¹	B ¹	H ¹	V ²
1413	1776	2685	3452

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

S ¹	B ¹	H ¹	V ²
353	444	671	863

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.5	4.5	6.9	9.0

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

S ¹	B ¹	H ¹	V ²
100	99	97	96

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

S ¹	B ¹	H ¹	V ²
1003	1260	1905	2449

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

S ¹	B ¹	H ¹	V ²
251	315	476	612

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.5	4.5	6.9	9.0

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

S ¹	B ¹	H ¹	V ²
71	70	69	68

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

1 Family Correlation based on 4' luminaire 3461K Very High Output (V) test - 120V.

2 Based on NLTL report: LM79 Report REP-021122.01 and LM63 Report KPL2008-7

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

1 Family Correlation based on 4' luminaire 3472K Very High Output (V) test - 120V.

2 Based on NLTL report: LM79 Report REP-021122.02 and LM63 Report KPL2008-6

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

Temperature	Factor
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI

Temperature	Factor
3000K	0.746
3500K	0.760
4000K	0.789

High Output (H), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 2685 lm x 0.789 = 2118 lm

Total Light Output per Foot: 671 lm/ft x 0.789 = 529 lm/ft.

watts/foot: 6.9 W/ft.

$$\text{Efficacy} = \frac{529 \frac{\text{lm}}{\text{ft.}}}{6.9 \frac{\text{W}}{\text{ft.}}} = 73 \text{ lm/W}$$

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

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 and 90 CRI

Note:
Dim to Off options available.

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.											
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

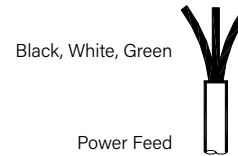
PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

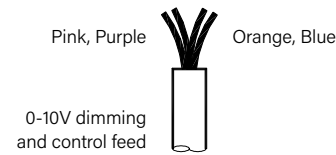
POWER	CONVERSION FACTOR
	1.1X

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

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