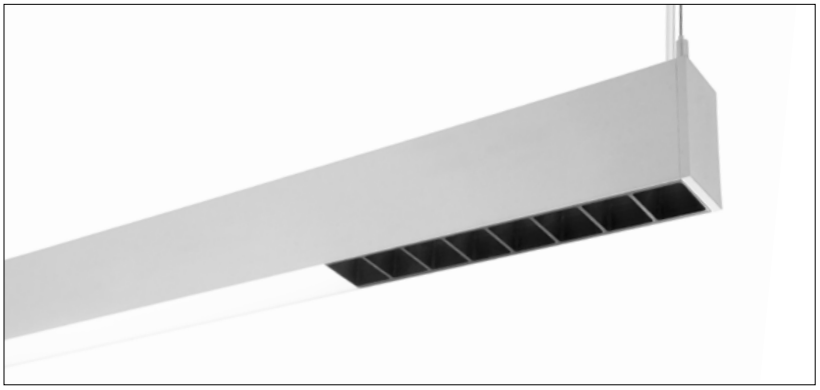
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

FINELITE®
Better Lighting

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

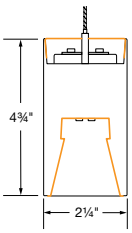


Micro Louver Black Segmented with Illuminated Sections shown

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 an advanced optical design and mid-power LEDs, achieving 90% of initial light output at 100,000+ hours. Micro Louvers provide omni-directional glare control and enhance the downlight aesthetic.

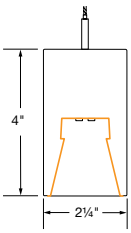
CROSS SECTIONS

Indirect/Direct
Top Glow (standard)

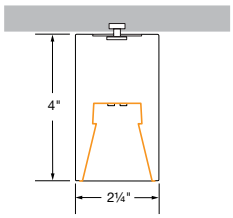


Micro Louver

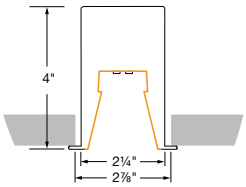
Direct



Surface Mount



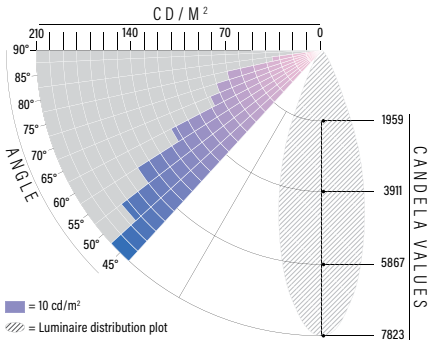
Recessed



WHITE AND BLACK LOUVERS

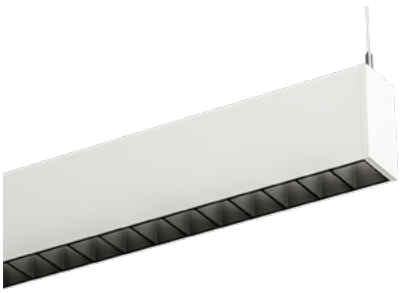
Micro Louvers available in black or white, each with unique glare control and performance attributes. Combine with existing housing finishes for unique combinations.

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.

INDUSTRY BEST 10 Year Warranty

BAA BUY AMERICAN ACT COMPLIANCE

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

FINELITE® Better Lighting

Clear Form

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

BODY TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run
◉ **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

OUTPUT and LED TYPE

Uplight Output (ID Only)	Downlight Output (Illuminated Sections Only)
◯ **S**- Standard (393 lm/ft) ◯ **B** - Boosted (494 lm/ft) ◯ **H** - High (747 lm/ft) ◯ **V** - Very High (961 lm/ft) ◯ **TL** - Tailored: _____ m/ft*	◯ **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*

* Specify 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

MECHANICAL/OPTICAL OPTIONS

Uplight Options ID Only	Downlight	Reflector System
◯ **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	**Micro Louver White** ◯ **MLW-SGB** - Segmented with Blank Sections ◯ **MLW-SGI** - Segmented with Illuminated Sections **Micro Louver Black** ◯ **MLB-SGB** - Segmented with Blank Sections ◯ **MLB-SGI** - Segmented with Illuminated Sections	◯ **96** - 96 Low Gloss White

ELECTRICAL OPTIONS

Voltage	Circuiting [4]
◯ **120** - 120 Voltage ◯ **277** - 277 Voltage ◯ **347** - 347 Voltage (OTI only)	◯ **SC** - Single Circuit* One single circuit in a run ◯ **DC** - Dual Circuit* [5] Independent control of up and down separately in an I/D style luminaire ◯ **MC** - Multi-Circuit* More than one switch leg or zone. Factory shop drawings required * Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)

ELECTRICAL OPTIONS

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

Mounting Method [9]	Ceiling Hardware Type	
◯ **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 [11]	◯ **C1** - 15/16" T-Bar ◯ **C1T** - 15/16" Tegular [12] ◯ **C2** - 9/16" T-Bar ◯ **C2T** - 9/16" Tegular [12] ◯ **C3** - Screw Slot ◯ **C3F** - Flush Screw Slot	◯ **C4** - Hard Ceiling ◯ **VF** - Visible Flange [12] ◯ **SF** - Spackle Flange [12] ◯ **TZ6** - Tech Zone 4" _____ (C1, C2, C2T, C3, C3F) [12]

OTHER OPTIONS

Endcap Style	Finish	Emergency Style (Optional) [10] Clear Selection See page 5 Backup Battery table
◯ **FE** - Flat Endcap	◯ **SW** - Signal White ◯ **FB** - Finelite Black ◯ **SA** - Satin Aluminum ◯ **####** - RAL Color Code [13] _____	◯ **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 ◯ **GTD** - Generator Transfer Device ◯ **ALCR** - Automatic Load Control Relay

OTHER OPTIONS

Integrated Sensor (Optional) [18] Clear Selection		Special Options (Optional)	Micro Louver	Location - Quantity	Micro Louver Light Output
◯ **OBO** - Occupancy ◯ **OBD** - Daylight ◯ **W601** - Wattstopper Wireless Sensor [14] ◯ **OBE** - Enlighted [15]	◯ **REE** - Remote Enlighted [16] ◯ **VOCC** - Lutron Vive Sensor [17] ◯ **VRF** - Lutron Vive RF [17]	◯ **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) lm/ft values show here are for white louvers. See page 10 for black louvers performance data

[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
[9] Pendant and Surface Mount only
[10] Battery backup button must be located on illuminated section
[11] Direct only
[12] Recessed only
[13] 20 business day lead time for color
[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 Control Unit & Sensor Cable installed for Remote mounting sensor
[17] Lutron Vive Ingrated Sensors require a DALI driver
[18] Minimum fixture length: Direct with a sensor is 8ft.

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

FINELITE® Better Lighting

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:		

FINELITE®
Better Lighting

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.

MECHANICAL/OPTICAL OPTIONS

UPLIGHT OPTION [1]: 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-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%
- **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 accomodate 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.

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'.

Continued

[1] Indirect/Direct only
[2] Direct only

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

FINELITE® Better Lighting

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

SPECIFICATIONS

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'

[1] Consult Finelite for Generator Transfer Device and Battery Back up fit
[2] 20 business days lead time for color
[3] Excludes Battery Back up and Generator Transfer Device weight

TUNABLE WHITE ELECTRICAL OPTIONS[1]:
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.

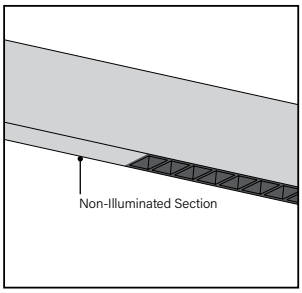
FINISHES: Finelite Signal White (**SW**) powder coat, Finelite Black (RAL 9005) with semi gloss fine texture (**FB**), and Satin Aluminum (**SA**) are standard. Optional Adder: 179 RAL colors[2] are available.

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.

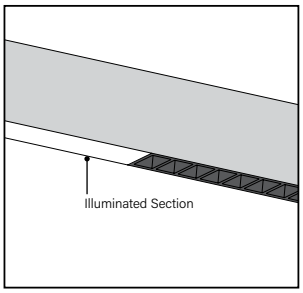
WEIGHT[3]: ID - 2.9 lb/ft; D - 2.3 lb/ft; I - 2.3 lb/ft.

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

DOWNLIGHT SEGMENTED OPTIONS



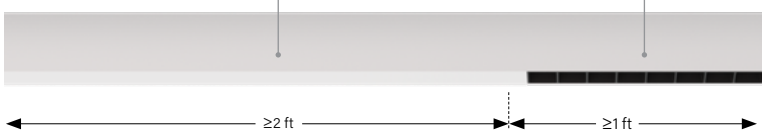
Segmented with Blank Sections*
MLW-SGB / MLB-SGB



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

Blank/Illuminated Sections
Louvers combine with blank* or illuminated segments. Minumum 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:		

FINELITE® Better Lighting

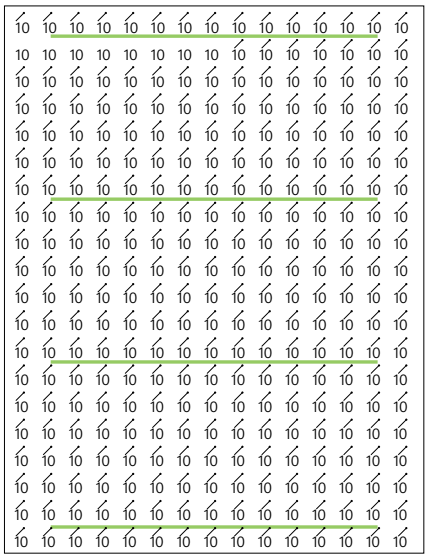
High Performance 2" Aperture (HP-2)
Segmented Micro Louver

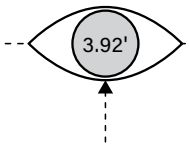
GLARE CONTROL APPLICATION*

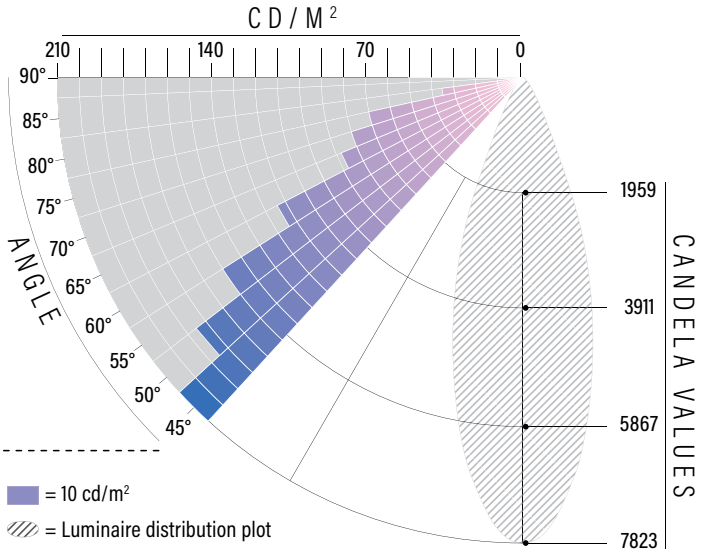
ID	PERFORMANCE				UNIFIED GLARE RATING		
Luminaire	Lum. Lumens	Lum. Watts	LLD	LDD	Avg.	Max.	Min.
HP-2-P-D-MLB	2422	36.2	1.000	1.000	10.0	10	10
HP-2-P-D-MLW	3181	36.2	1.000	1.000	13.0	17	10

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°⟋

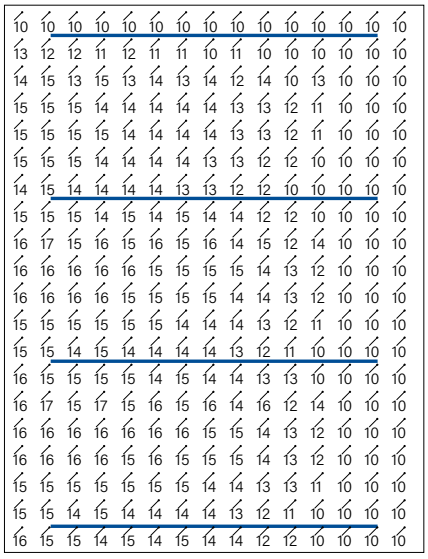
Micro Louver Continous Black

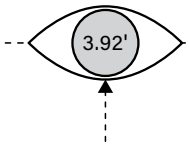


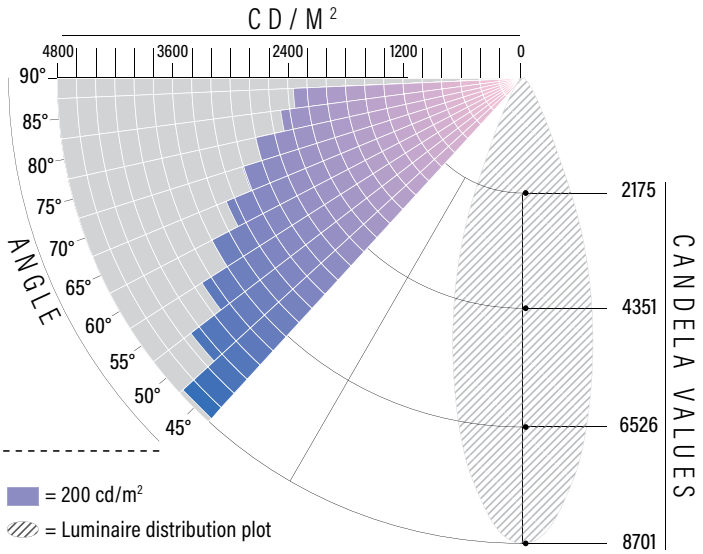




Micro Louver Continous White







*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:		

FINELITE® Better Lighting

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

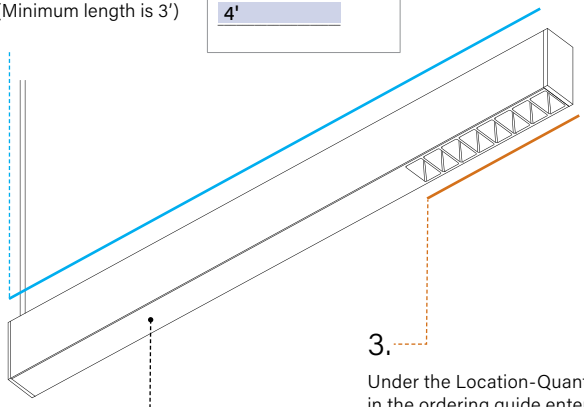
LENGTHS GUIDE

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

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').

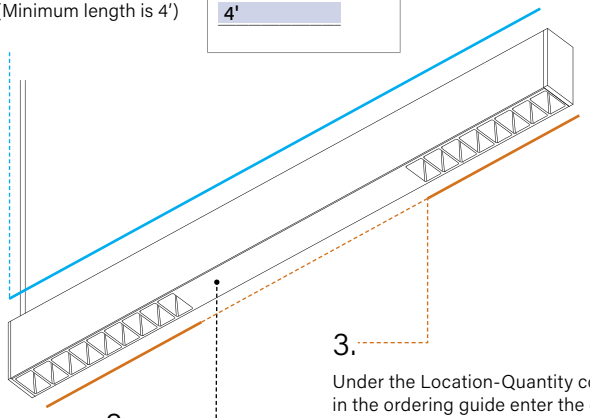
Micro Louver	Location - Quantity
(•) **8ML** - Micro Louver	(•) **S** - ___ **E** - 1___ ( ) **CFG** - Custom Micro Louver Pattern Configuration

Start **AND** End with Micro Louver - **SE**

1.

Specify Total Length of Run 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

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').

Micro Louver	Location - Quantity
(•) **8ML** - Micro Louver	(•) **S** - 1___ **E** - 1___ ( ) **CFG** - Custom Micro Louver Pattern Configuration

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

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

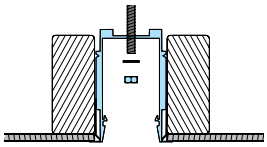
Submitted by:	Date:
Type:	Project:
Ordering Info:	

FINELITE®
Better Lighting

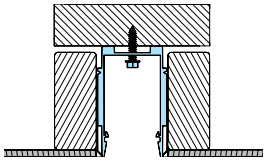
High Performance 2" Aperture (HP-2)
Segmented Micro Louver

HARD CEILING MOUNTING OPTIONS

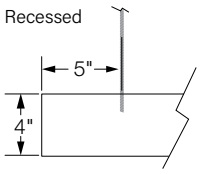
Threaded Rod Option



Screw Mount Option

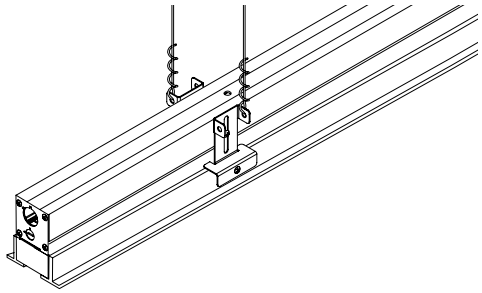


Mounting Location for Securing to Structure



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.

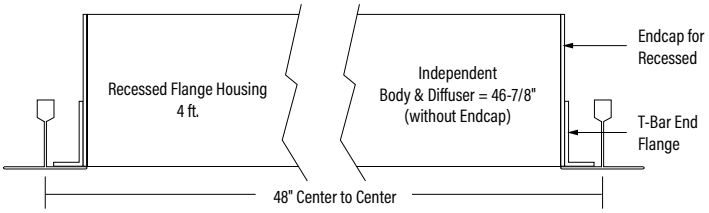
T-BAR INSTALLATION



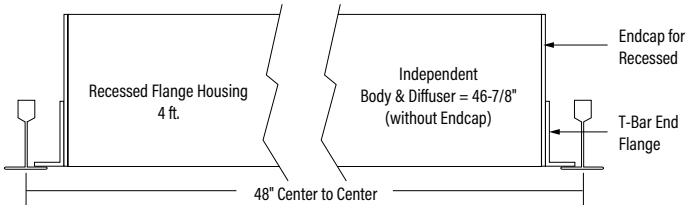
HP-2 R for T-Bar installations comes standard with a splice plate at the end of the luminaire. Mounting brackets (supplied) secure the luminaire to T-Bar and provide support to structure location. All even foot length (2, 4, 6, ...) luminaire runs are reduced in length by an appropriate amount to fit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

GRID LENGTH DETAIL - 4' Example

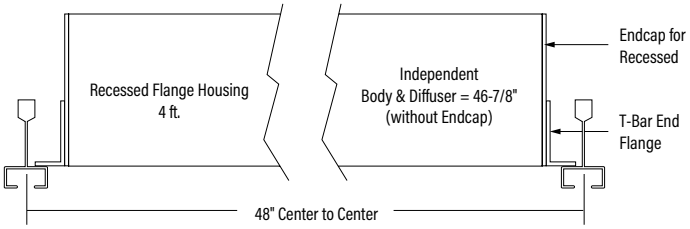
15/16" T-Bar



9/16" T-Bar

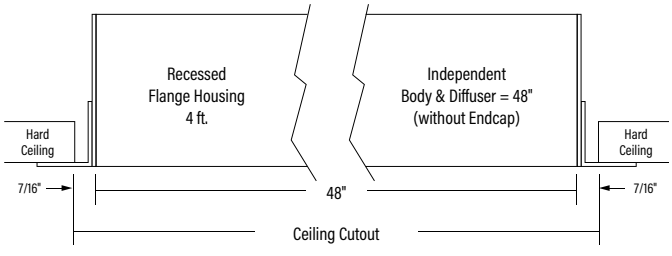


9/16" Screw Slot

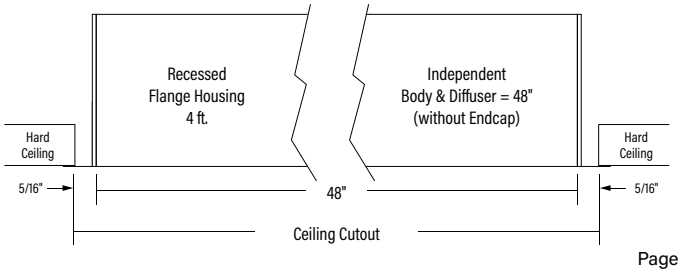


HARD CEILING LENGTH DETAIL - 4' Example

Spackle Flange



Visible Flange



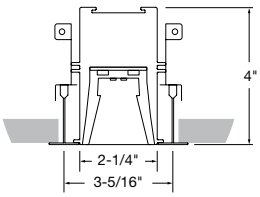
Submitted by:	Date:
Type:	Project:
Ordering Info:	

FINELITE® Better Lighting

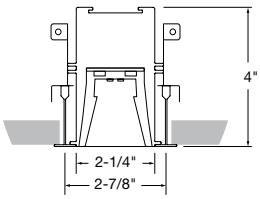
High Performance 2" Aperture (HP-2)
Segmented Micro Louver

RECESSED MOUNTING TYPES - T-Bar

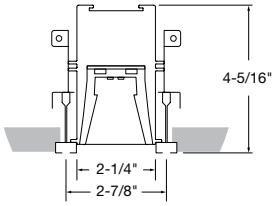
Rough-In Dimensions



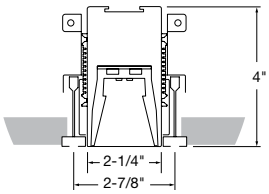
15/16" T-Bar (C1)



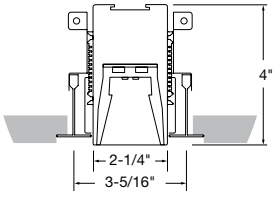
9/16" T-Bar (C2)



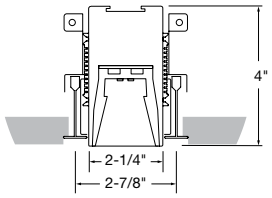
Standard Screw Slot (C3)



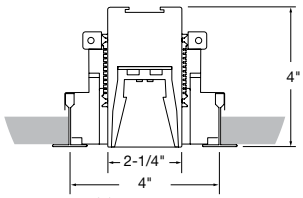
Flush Screw Slot (C3F)



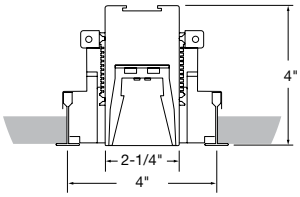
15/16" Tegular (C1T)



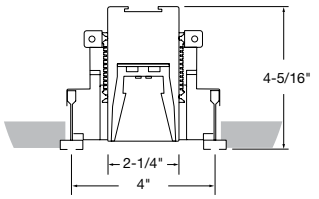
9/16" Tegular (C2T)



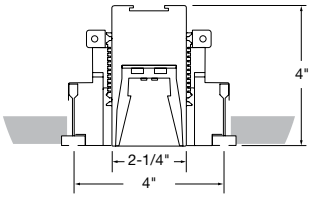
Tech Zone 4" (TZ4)
15/16" T-Bar (C1)



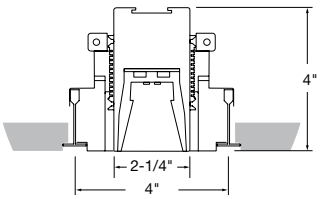
Tech Zone 4" (TZ4)
9/16" T-Bar (C2)



Tech Zone 4" (TZ4)
Standard Screw Slot (C3)

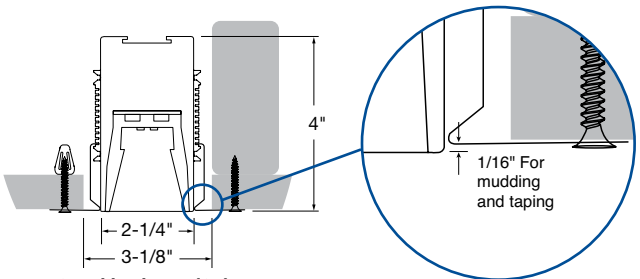


Tech Zone 4" (TZ4)
Flush Screw Slot (C3F)

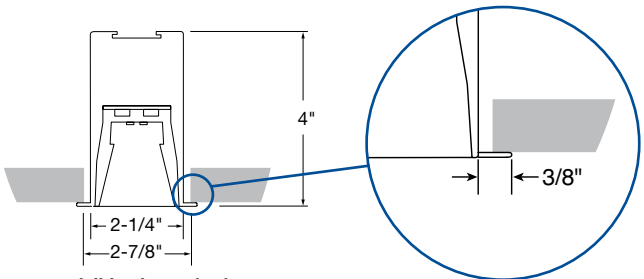


Tech Zone 4" (TZ4)
9/16" Tegular (C2T)

RECESSED MOUNTING TYPES - Cutout Dimensions



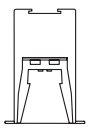
Spackle Flange (SF)



Visible Flange (VF)

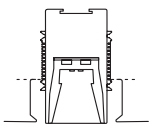
HOUSING

Version 1



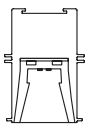
Ceiling Option VF

Version 2



Ceiling Options
C1T, C2T, C3F, SF, TZ4

Version 3



Ceiling Options
C1, C2, C3

Note: +/- 1/16"

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

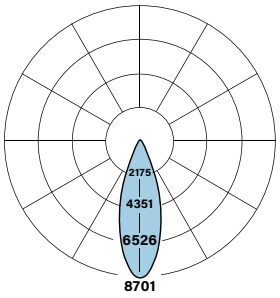
FINELITE® Better Lighting

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



Complete LM79 LED Photometry | **Complete LM63 IES**

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

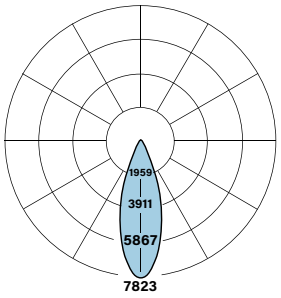
S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

[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

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



Complete LM79 LED Photometry | **Complete LM63 IES**

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 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	
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: 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.

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

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

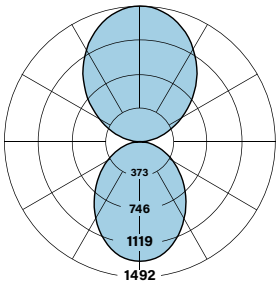
FINELITE® Better Lighting

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

Indiect Direct Photometry - 4' Luminaire 3500K

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

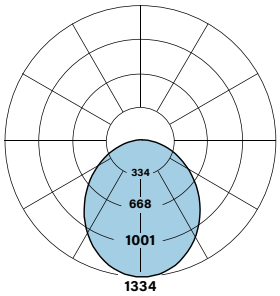
Distribution: 55% Up (**V**) / 45% Down (**V**)
Efficacy: 95 lm/W
Uplight: 3813 lumens (953 lumens/foot)
Downlight: 3175 lumens (794 lumens/foot)
Total luminaire output: 6988 lumens (1747 lm/ft)
73.8 watts (18.5 W/ft)
Peak Candela Value: 1492 @ 180º
CRI: 80 / CCT: 3500K
ITL LM79 Report 85132



Direct Photometry - 4' Luminaire 3500K

HP2-P-D-V-835
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 @ 0º
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]
↓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 [1]	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: 93719

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**), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 2501 lm x 0.789 = 1973 lm
Total Light Output per Foot: 625 lm/ft x 0.789 = 493 lm/ft.
watts/foot: 7.1 W/ft.

$$\textbf{Efficacy} = \frac{493\ \frac{\text{lm}}{\text{ft.}}}{7.1\ \frac{\text{W}}{\text{ft.}}} = 69\ \text{lm/W}$$

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 and 90 CRI

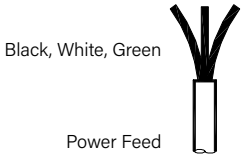
Note:
Dim to Off options available.

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

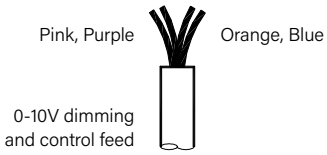
	Section Lengths										
Direct	**2'**	**3'**	**4'**	**5'**	**6'**	**7'**	**8'**	**9'**	**10'**	**11'**	**12'**
Output S,B,H,V Single Circuit	Rows can be comprised of 2'-12' sections.										
Integral Battery Backup (BSL310LP)							✓		✓		✓
Indirect/Direct											
Output S,B Single Circuit	✓		✓		✓		✓		✓		✓
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

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