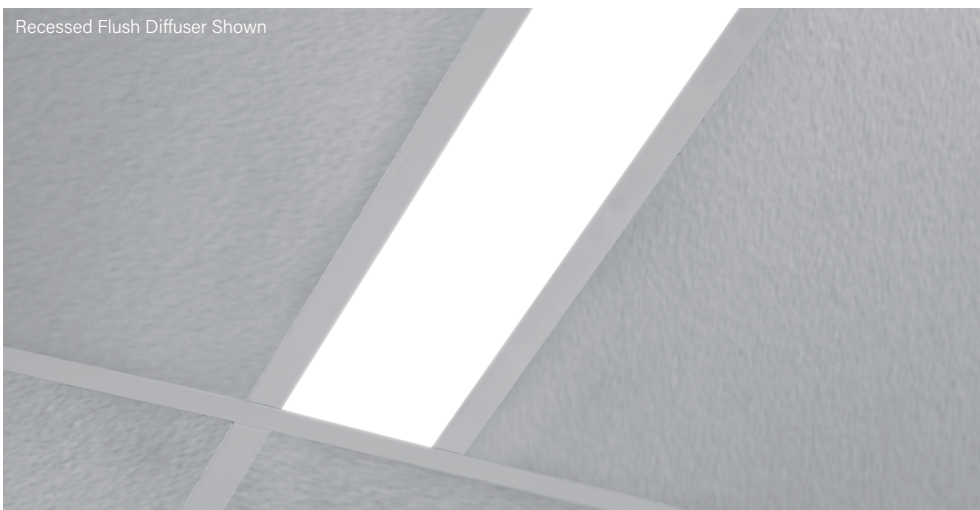


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Recessed



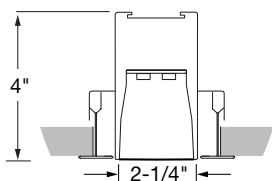
High Performance 2" Aperture is a patented, linear LED luminaire family. HP-2 delivers excellent performance using an advanced optical design and mid-power LEDs deliver uniform illumination with a clean aesthetic, while adaptable for a wide range of applications and spaces. 10-year performance-based warranty on all standard components.

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.

Note: see page 6 for all aesthetic options

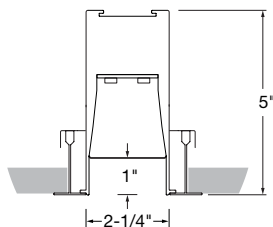
CROSS SECTIONS

Recessed



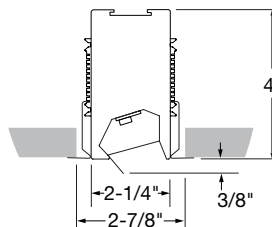
Flush Downlight Diffuser (standard)

Regressed



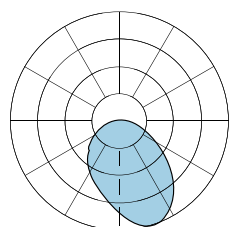
Flat Diffuser with 1" Regressed

Wall Wash Recessed

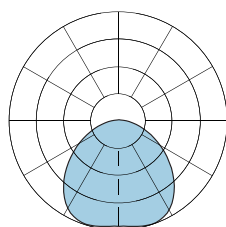


Kicker (standard)

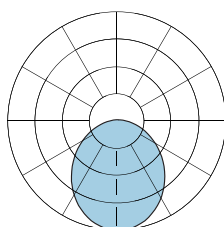
OPTIC OPTIONS



Downlight Asymmetric Optic (DAO)



Downlight Spread Optic (DSO)



Standard Downlight Flush Optic (F)

ALSO AVAILABLE IN



Pendant (D, ID, I)



Wall Mount (WM)



Surface Mount (SM)



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

High Performance 2" Aperture (HP-2) Recessed

Ordering Guide Example: HP - 2 - R - D - 36" - S - 835 - F - 96LG - 120 - SC - FC-10% - FA50 - C1 - FE - SW - LGD18W - OBO1 - CP - SQ2

BODY TYPE				OUTPUT AND LED TYPE		
Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Downlight Output (Flush)	LED CRI/CCT
HP - High Performance	2	R - Recessed R RG - Recessed Regressed (Wall Wash not available)	D - Direct WW-D - Wall Wash 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 (336 lm/ft) B - Boosted (423 lm/ft) H - High (639 lm/ft) V - Very High (822 lm/ft) TL - Tailored: _____lm/ft*	830 - 80 CRI, 3000K 835 - 80 CRI, 3500K 840 - 80 CRI, 4000K 930 - 90 CRI, 3000K 935 - 90 CRI, 3500K 940 - 90 CRI, 4000K 8TW - 80 CRI, Tunable White 9TW - 90 CRI, Tunable White

MECHANICAL/OPTICAL OPTIONS		ELECTRICAL OPTIONS			
Downlight		Reflector System	Voltage	Circuiting ²	
F - Flush (standard) ^{8,9} DL - 1" Drop Down Lens ⁸ RG-D - Flat Diffuser with 1" Regress ^{1,8} RG-WCB - White Cross Blade Baffle ^{1,8} RG-LHE - Hollowed Ellipse Louver ^{1,8} RG-LHC - Hex Louver ^{1,8}	DAO-L - Downlight Asymmetric Left ^{4,8} DAO-R - Downlight Asymmetric Right ^{4,8} DSO - Downlight Spread Optic ^{4,8} K - Kicker for Wall Wash only (standard) ⁵ FO - Fully Open for Wall Wash only	96LG - 96 Low Gloss White SW - Signal White for Wall Wash only	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	

ELECTRICAL OPTIONS			
Driver Selection			
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% 10V-TW-10% - EldoLED OTI, 0-10V 10% (Tunable White) ³	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, 0.1% (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 Dalı-2 1% (Tunable White)

See Page 3 for additional driver options and details

MOUNTING OPTIONS		OTHER OPTIONS	
Ceiling Hardware Type	Endcap Style	Emergency Style (Optional) <small>See page 5 Backup Battery table</small>	
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 TZ4 - Tech Zone 4" (C1, C2, C2T, C3, C3F)	FE - Flat Endcap (standard) DE - 1" Drop Endcap	LG18W - Legrand 18W Brand Battery Back-up LG10W - 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
		Finish SW - Signal White (standard) FB - Finelite Black ⁷ SA - Satin Aluminum ⁷ #### - RAL Color Code ⁸ _____	

OTHER OPTIONS		
Integrated Sensor (Optional) ⁹	Special Options (Optional)	Configuration ¹⁷
OB01 - WS FS-305 w/ FS-L6 lens on/off (max mounting height 8") ¹⁰ OCC Sensor OB02 - WS FS-305 w/ FS-L3W lens on/off (max mounting height 20") ¹⁰ OCC Sensor OB03 - WS FS-305D w/ FS-L6 lens Dim to 50% (max mounting height 8") ¹⁰ OCC Sensor OB04 - WS FS-305D w/ FS-L3W lens Dim to 50% (max mounting height 20") ¹⁰ OCC Sensor OB05 - WS FS-505 Low Voltage Stair Mount Sensor OBD - Daylight ¹⁰ W601 - Wattstopper Wireless Sensor ¹¹	CLM - Wattstopper Plus RF SLM - Wattstopper Plus Sensor RE7 - nLight Occupancy & Daylight ¹² NE7 - nLight Occupancy ¹² AOCC-W - Lutron Athena Sensor (Device Color White) ¹³ AOCC-B - Lutron Athena Sensor (Device Color Black) ¹³ ARF-W - Lutron Athena RF (Device Color White) ¹³ ARF-B - Lutron Athena RF (Device Color Black) ¹³ VOCC - Lutron Vive Wireless Sensor (VDO) ¹⁴ VRF - Lutron Vive Radio Only ¹⁴	CP - Chicago Plenum ¹⁵ FLX - Flex Whip RLA - Red List Approved RLD - Red List Declared BABA - Build America, Buy America Act ¹⁶ (Recessed only) SQ_____ - Square (side 1) REC_x_____ - Rectangle (side 1 x side 2) L_x_____ - " L " Shape (side 1 x side 2) U_x_x_____ - " U " Shape (side 1 x side 2 x side 3) 99CFG - Custom Configuration ¹⁸

¹ Recessed Regressed straight run only
² Contact factory for switching options
³ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)
⁴ Not available with Regressed or Curves
⁵ Kicker standard in Signal White. Customer Custom color kickers have a surcharge
⁶ B & V outputs only
⁷ 15 business days lead time
⁸ 20 business days lead time for color
⁹ Minimum fixture length with a sensor is 3ft.
¹⁰ Not available with Wall Wash
¹¹ LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected. LMFS-601 w/ Dalı driver, only 1 driver can be connected.
¹² Contact factory
¹³ 0-10V Drivers - AOCC up to 10 drivers may be connected; ARF up to 40 drivers may be connected DALI Drivers - AOCC & ARF up to 4 drivers can be connected.
¹⁴ Lutron Vive Ingrated Sensors require a DALI driver
¹⁵ Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox
¹⁶ Apply to independent fixture lengths 4 ft. - 12 ft. and continuous runs only
¹⁷ See pages 8 for more details and examples
¹⁸ Please provide drawing with dimensions

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

High Performance 2" Aperture (HP-2) 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)
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) Recessed

SPECIFICATIONS

BODY TYPE

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

LENGTHS: Any length, 2' minimum, in increments down to 1/16th" ($\pm 1/32"$). 12' maximum section length. Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**), and White Cross Blade Baffle (**WCB**) are available in 1' increments.

MITERED CORNERS ¹ : Illuminated corners of greater than 60° and less than 180° in a single plane, available with Flush Diffuser, Bottom Glow Diffuser, Regressed Diffuser, or White Cross Blade Baffle ². Corners not available with Wall Wash (**WW-D**), Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**) or 1" Drop Down Lens. Contact factory for Double miters using the White Cross Blade Baffle. Consult factory for tailored lighting options.

OUTPUT AND LED TYPE

LIGHT OUTPUT: Four lumen packages available, Standard (**S**), Boosted Standard (**B**), High (**H**), and Very High (**V**). 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

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. Available with Flush (**F**), Bottom Glow (**BG**), 1" Drop Down Lens (**DL**), White Cross Blade Baffle (**WCB**) ^{3,4}, Ellipse Louver (**LHE**) ³, Hex Louver (**LHC**) ³, Downlight Asymmetric Optic (**DAO**) ⁵, Downlight Spread Optic (**DSO**) ⁵, and Regressed downlight diffusers (**RG**) ³. 1" Drop Down Lens made of highly efficient acrylic. Available with a solid endcap or an endcap with a diffuse filler to continue the luminous aesthetic. Downlight Spread & Downlight Asymmetric Optics are extruded lenses with a subtle ribbed appearance providing a batwing or asymmetric distribution for improved optical performance. Consult factory for more tailored lumen outputs.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 60,000+ hour.

REFLECTORS: Die-formed 20-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white powder coat paint. The standard Semi-Specular Aluminum (**SSA**) Kicker (**K**) reflector delivers light high on the vertical surface. The Kicker reflector can be easily removed for open distribution (**FO**).

ELECTRICAL OPTIONS

STATIC WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed wire controlling uplight and downlight together (power and dimming). Specify dual feed wires for independent control of uplight and downlight. 14-gauge feed wire 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 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 10%- 100% 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).

TUNABLE WHITE DRIVER: Replaceable LED driver. Driver is accessible from below the ceiling. 120V and 277V.

- **Power factor:** ≥ 0.90
- **Total Harmonic Distortion (THD):** <20%
- **Dimming Range:** 100%-10%
- **Expected driver lifetime:** 100,000 hours

LUTRON TUNABLE WHITE DRIVER OPTION:

LUT-TW - Lutron LD2 Dali-2 1%, Tunable White.

¹ Not available with Wall Wash

² White Cross Blade (WCB) baffles not available with custom angles. Available in 90 degrees only

³ Recessed Regressed straight run only

⁴ White Cross Blade Baffle (WCB) currently not advisable for drywall

⁵ Not available with Regressed or Curves

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

High Performance 2" Aperture (HP-2) Recessed

SPECIFICATIONS

MOUNTING OPTIONS

HANGING HARDWARE:

- **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). Mounted with three equidistant suspension points.

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 endcaps (**FE**) at each end of run add 1/16" to each end of luminaire. Drop Down Lens Illuminated Endcap (**DE**) includes diffuse element to continue luminance of drop lens.

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

Backup Battery		
	Legrand 18W	Legrand 10W / Bodine BSL310LP
HP2-R-D		
Min. Housing Length	8*	4**
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
HP2-R-WW-D		
Min. Housing Length	8*	4**
EM Lumen Output	1500	891
EM Section Illuminated	4'	4'

* Minimum fixture housing length for battery pack approved without sensor. ** Exception: 5' not available, 6'+ okay. The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 11.

Bodine GTD and Legrand ALCR Min. Length	
Configuration	Min Length
Generator	6'
Generator + OCC	8'
Daylight	6'
Generator + Daylight	8'

TUNABLE WHITE ELECTRICAL OPTIONS⁶:

TW Driver Options

- **0-10V:** EM/GEN, GTD or Battery BackUp
- **DMX:** Battery Back Up
- **DALI:** EM/GEN, GTD or Battery Back Up
- **LUTRON:** EM/GEN, GTD or Battery Back Up

INTEGRATED SENSORS: Integrated PIR (Passive Infrared) Occupancy (**OBO**) or Daylight Sensors (**OBD**) available with Flush and Bottom Glow downlight diffusers. PIR sensors not recommended for stairwell applications. Refer to Occupancy Sensor & Daylight Sensor tech sheet and the Embedded Intelligence landing page for more information and additional sensor options. Minimum fixture length with a sensor is 3ft. 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**)⁷, and Satin Aluminum (**SA**)⁷ are available. Optional Adder: 179 RAL colors⁸ 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. IC Rated. HP-2 can be used to comply with 2016 Title 24, Part 6 (JA8); high efficacy LED light source requirements. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2015/863. Consult factory for tailored lighting options. Finelite makes the specification process easy when putting healthier products on your projects. Simply add - **RLA** (Red List Approved) or - **RLD** (Red List Declared) to your part number.

WEIGHT⁹: R - 2.3 lb/ft; WW-R - 2.9 lb/ft

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

⁶ Consult Finelite for Generator Transfer Device and Battery Backup fit

⁷ 15 business days lead time

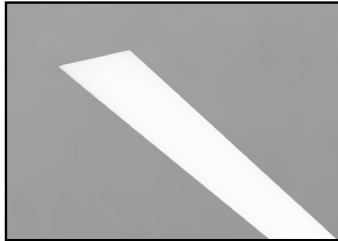
⁸ 20 business days lead time for color

⁹ Excludes Battery Backup and Generator Transfer Device weight

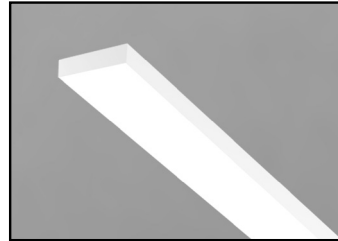
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Ordering Info:		

High Performance 2" Aperture (HP-2) Recessed

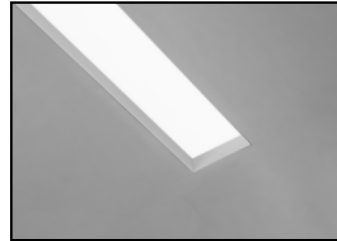
AESTHETIC OPTIONS



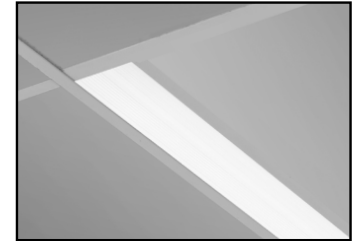
Flush Diffuser (**F**)



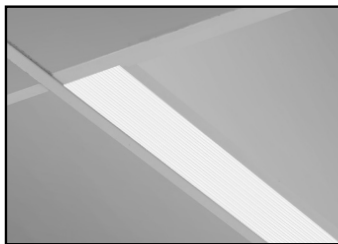
1" Drop Down Lens (**DL**)



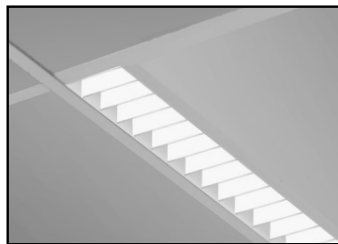
Flat Diffuser with 1" Regressed (**RG-D**)



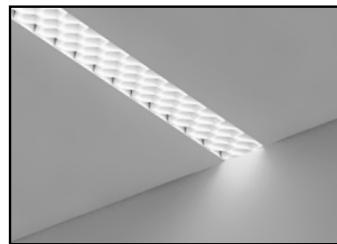
Downlight Asymmetric Optic (**DAO**)¹
Externally flush



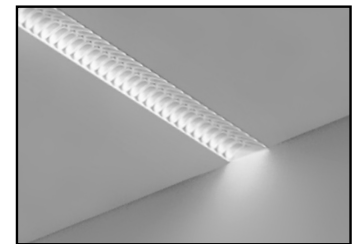
Downlight Spread Optic (**DSO**)¹
Externally flush



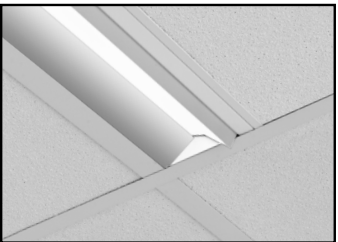
White Cross Blade Baffle² (**RG-WCB**)



Hex Louver² (**RG-LHC**)



Hollowed Ellipse Louver² (**RG-LHE**)



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

¹ With a subtle ribbed appearance providing specialized distribution

² Regressed only. Not available with Wall Wash

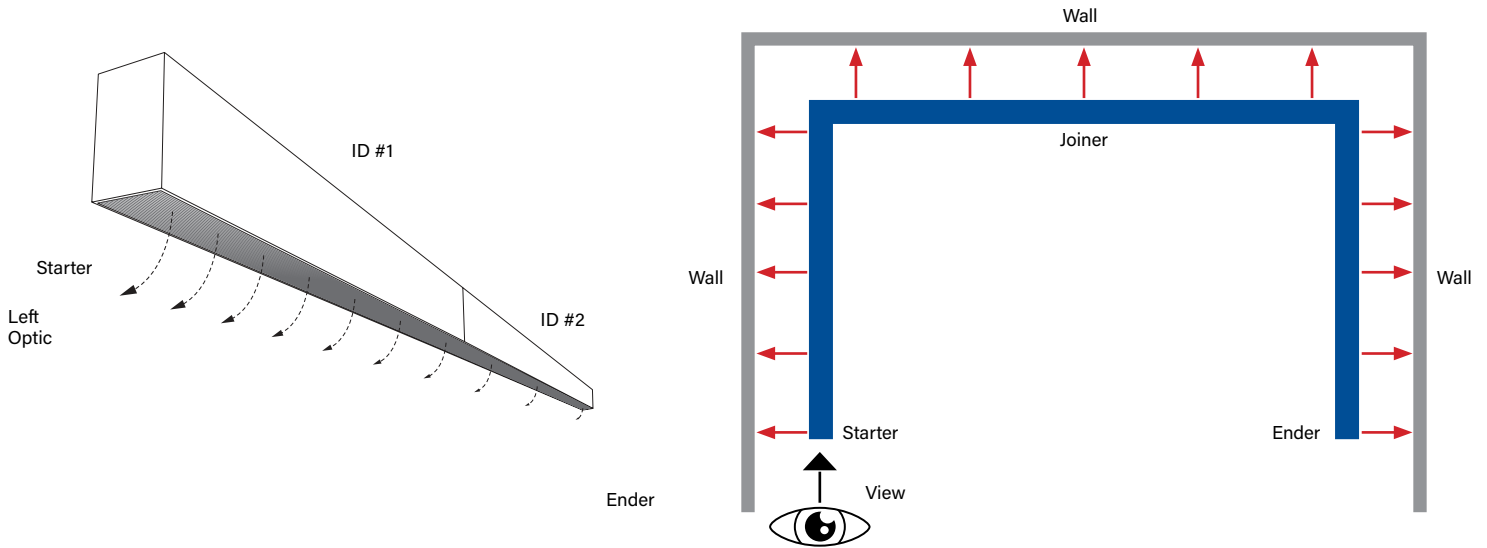
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Ordering Info:		

High Performance 2" Aperture (HP-2) Recessed

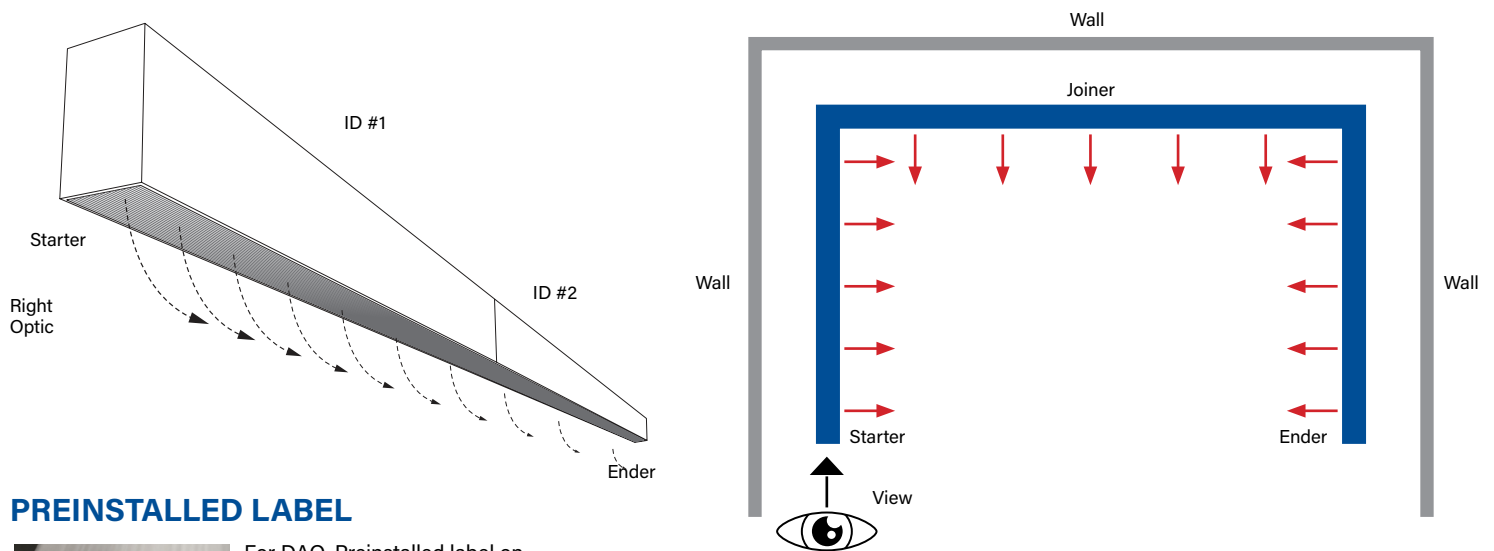
DOWNLIGHT ASYMMETRIC OPTIONS

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

Downlight Asymmetric Optic Left (DAO-L)



Downlight Asymmetric Optic Right (DAO-R)



PREINSTALLED LABEL



For DAO, Preinstalled label on diffuser shows direction of light. Remove after installation.

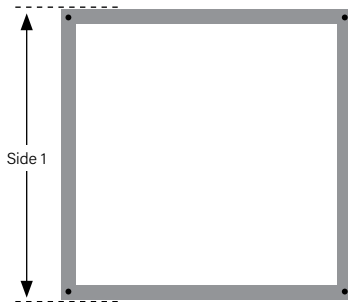
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Recessed

STANDARD CONFIGURATION EXAMPLES ^{1,2}

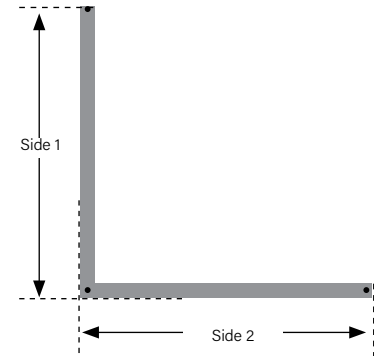
SQ _____
Square- Provide
Side 1 dimension

Example - SQ6'



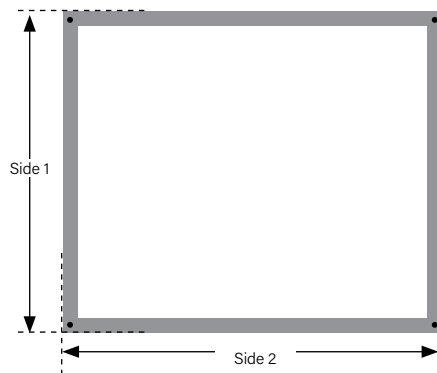
L _____ x _____
L-Provide
Side 1x Side 2
dimensions

Example - L6'x6'



REC _____ x _____
Rectangle - Provide
Side 1 x Side 2
dimension

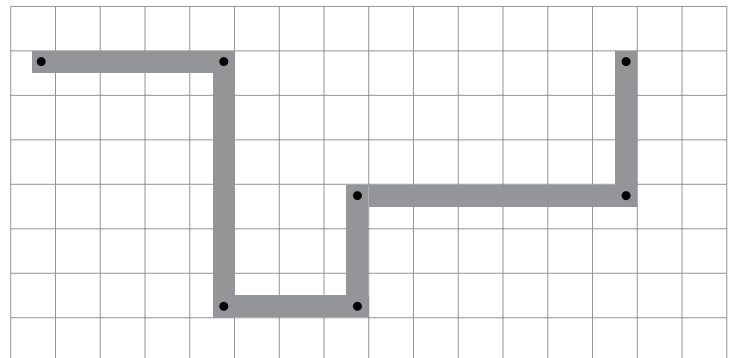
Example - REC5'x7'



99CFG ³

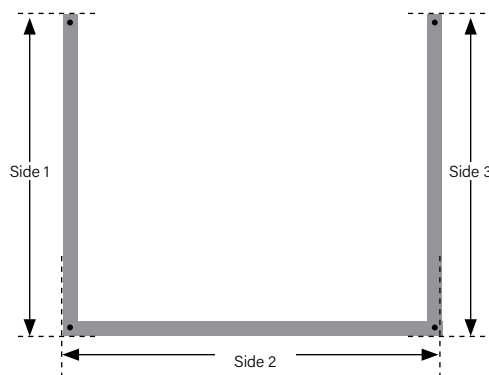
Custom Configuration - Please provide a sketch or drawing showing desired linear length dimensions and curved sections. Template available on page 10.

Example -



U _____ x _____ x _____
U Shape - Provide
Side 1 x Side 2 x Side
3 dimension

Example - U5'x7'x5'



● = Suspension Points

¹ Drawings are not to scale


² 2" minimum length for linear sections

³ 99CFG between 60 - 179 degree with seamless joints

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

High Performance 2" Aperture (HP-2) Recessed

CUSTOM CONFIGURATION TEMPLATE

 = 1 ft²

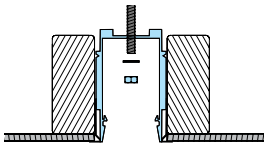


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

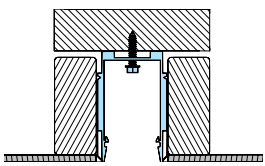
High Performance 2" Aperture (HP-2) Recessed

HARD CEILING MOUNTING OPTIONS

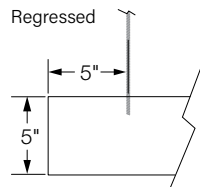
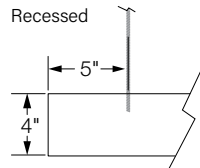
Threaded Rod Option



Screw Mount Option

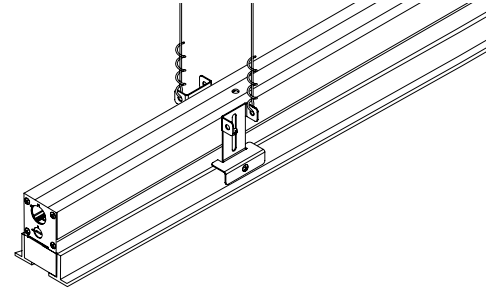


Mounting Location for Securing to Structure



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.

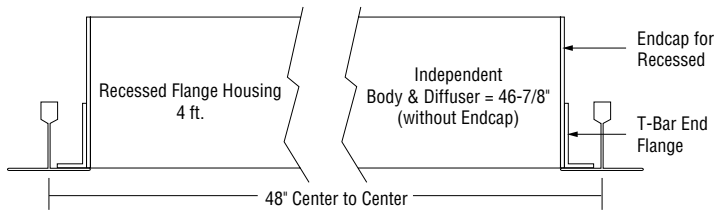
T-BAR INSTALLATION



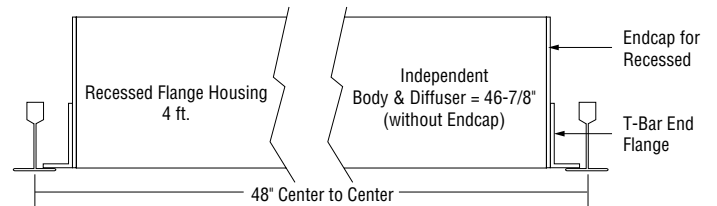
HP-2 R for T-Bar installations comes standard with a splice plate at the end of the luminaire. Mounting brackets (supplied) secure the luminaire to T-Bar and provide support to structure location. All even foot length (2, 4, 6, ...) luminaire runs are reduced in length by an appropriate amount to fit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

GRID LENGTH DETAIL - 4' EXAMPLE

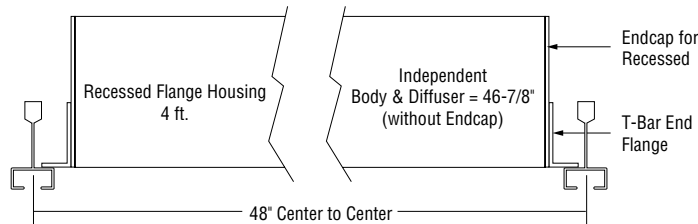
15/16" T-Bar



9/16" T-Bar

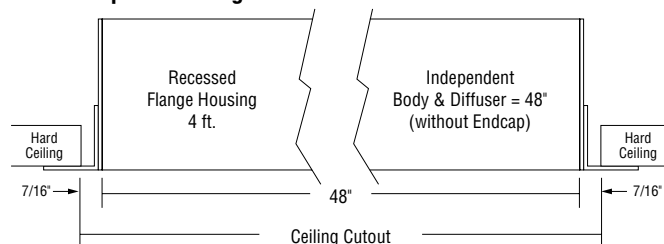


9/16" Screw Slot

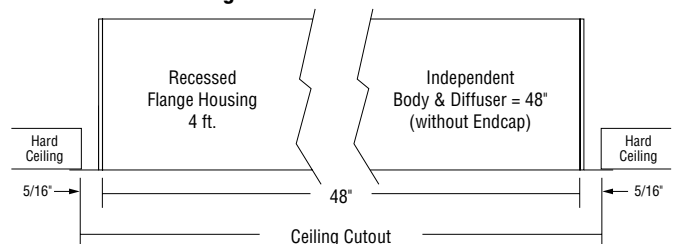


HARD CEILING LENGTH DETAIL - 4' EXAMPLE

Spackle Flange



Visible Flange

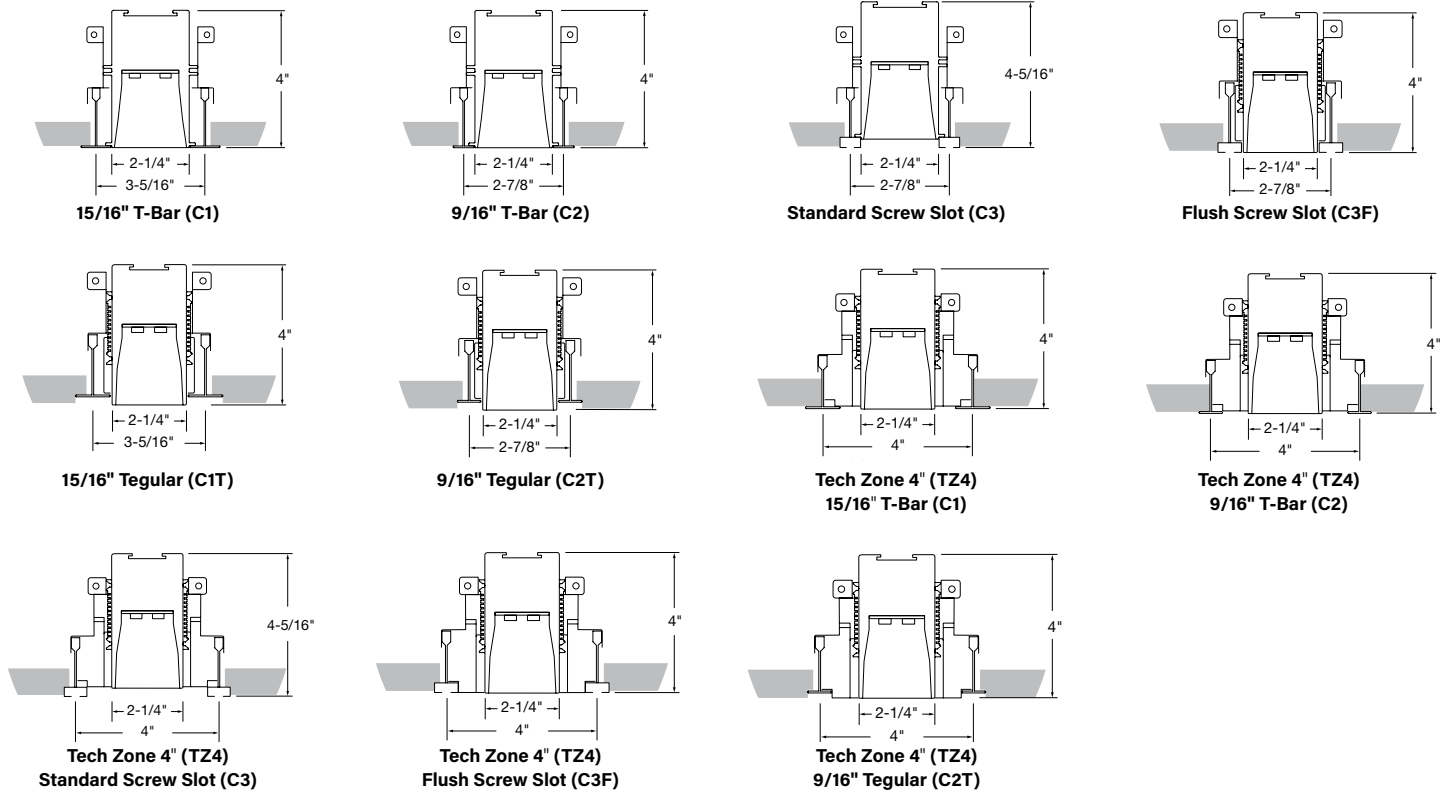


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

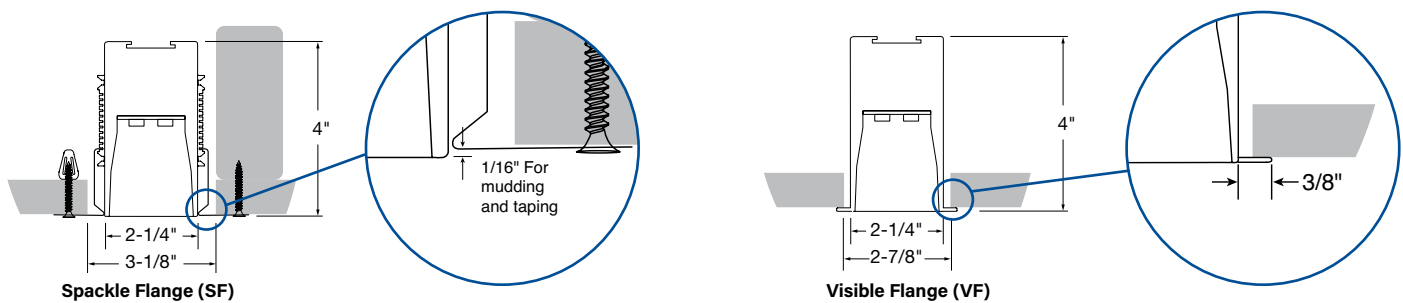
High Performance 2" Aperture (HP-2) Recessed

RECESSED MOUNTING TYPES - T-BAR

Rough-In Dimensions



RECESSED MOUNTING TYPES - CUTOUT DIMENSIONS

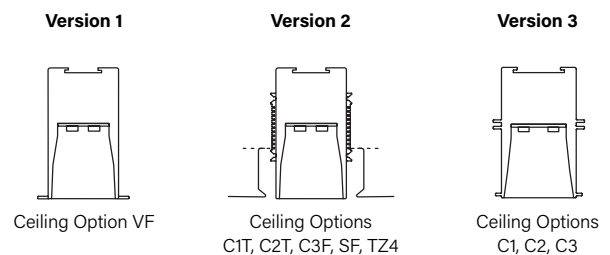


WOOD CEILING OPTIONS

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



HOUSING



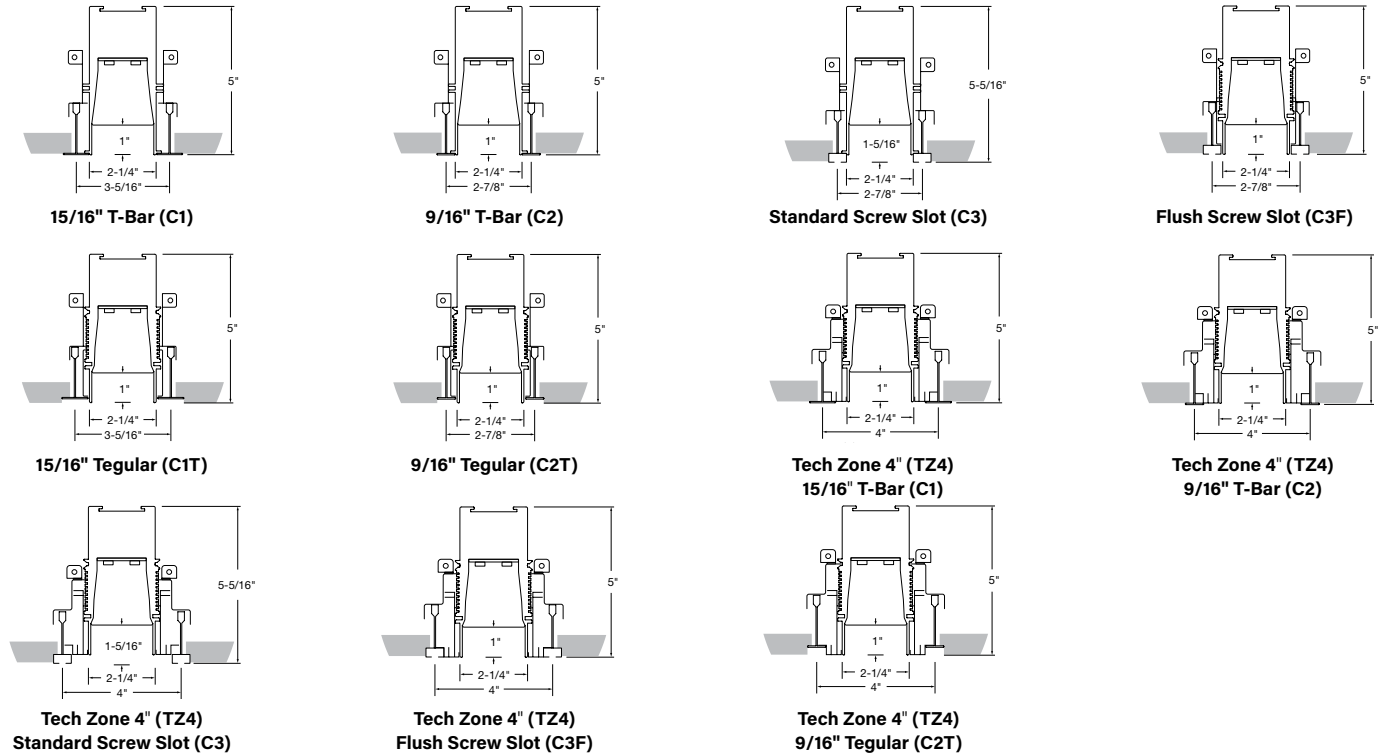
Note: +/- 1/16"

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

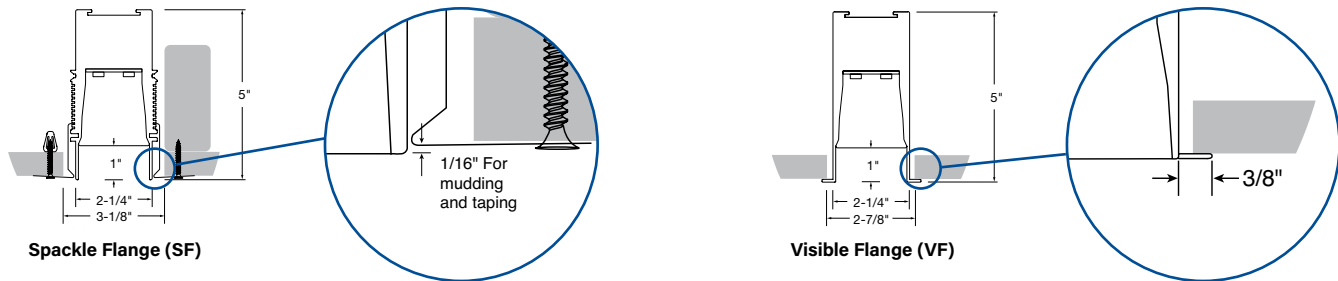
High Performance 2" Aperture (HP-2) Recessed

REGRESSED MOUNTING TYPES - T-BAR

Rough-In Dimensions



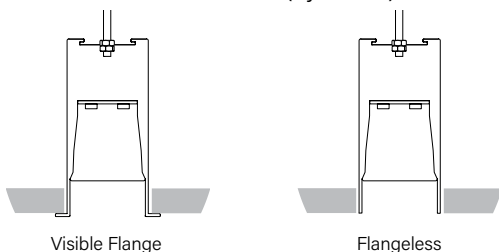
REGRESSED MOUNTING TYPES - CUTOUT DIMENSIONS



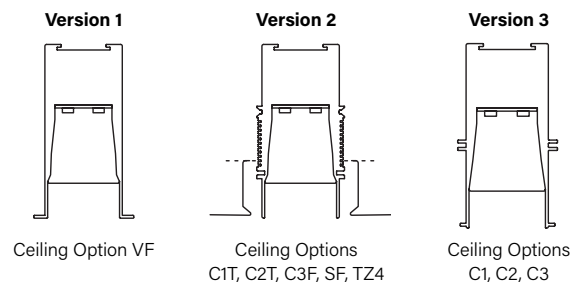
Regressed Lens: Regressed lens version is 5" tall with a lens that is regressed 1" from ceiling line.

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) Recessed

Recessed Photometry - 4' Luminaire 3500K

HP2-R-D-4'-V-835-DAO

Downlight: Downlight Asymmetric Optic - Right

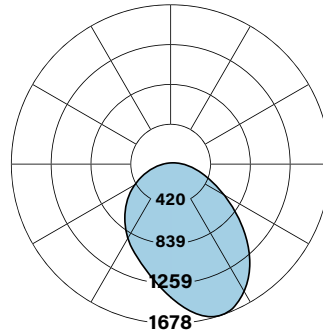
Efficacy: 105 lm/W

Total luminaire output: 3741 lumens (935 lm/ft)
35.5 watts (8.9 W/ft)

Peak Candela Value: 1670 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report REP-051921-01



HP2-R-D-4'-V-835-DSO

Downlight: Downlight Spread Optic

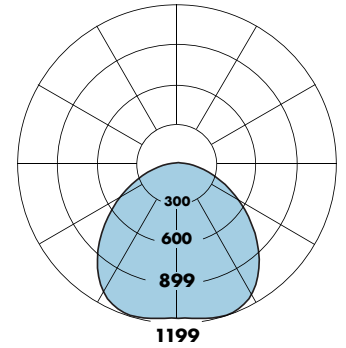
Efficacy: 92 lm/W

Total luminaire output: 3273 lumens (818 lm/ft)
35.7 watts (8.9 W/ft)

Peak Candela Value: 1197 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 94139



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

S ¹	B ¹	H ¹	V ²
1531	1925	2910	3741

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

S ¹	B ¹	H ¹	V ²
383	481	727	935

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.5	4.4	6.8	8.9

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

S ¹	B ¹	H ¹	V ²
110	109	107	105

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: REP-051921-01

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

S ¹	B ¹	H ¹	V ²
1340	1684	2546	3273

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

S ¹	B ¹	H ¹	V ²
335	421	636	818

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.5	4.4	6.8	8.9

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

S ¹	B ¹	H ¹	V ²
96	95	93	92

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

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on ITL report: 94139

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: 2910 lm x 0.789 = 2296 lm

Total Light Output per Foot: 707 lm/ft x 0.789 = 574 lm/ft.

watts/foot: 6.8 W/ft.

$$\text{Efficacy} = \frac{574 \frac{\text{lm}}{\text{ft.}}}{6.8 \frac{\text{W}}{\text{ft.}}} = 84 \text{ lm/W}$$

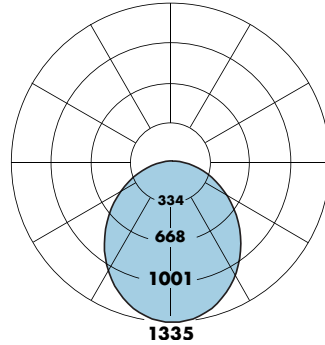
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Recessed

Recessed Photometry - 4' Luminaire 3500K

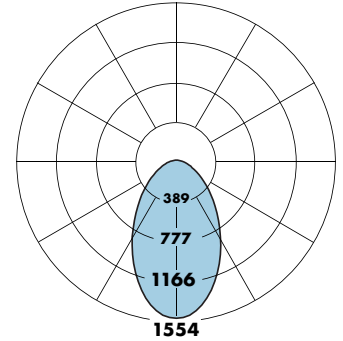
HP2-R-D-4'-V-835
Downlight: Flush Diffuser

Efficacy: 89 lm/W
Total luminaire output: 3287 lumens (822 lm/ft)
36.9 watts (9.2 W/ft)
Peak Candela Value: 1335 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 85135



HP2-R RG-D-4'-V-835
Downlight: Regressed Diffuser

Efficacy: 79 lm/W
Total luminaire output: 2907 lumens (727 lm/ft)
37 watts (9.3 W/ft)
Peak Candela Value: 1554 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 90351



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

S ¹	B ¹	H ¹	V ²
1346	1692	2557	3287

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

S ¹	B ¹	H ¹	V ²
336	423	639	822

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
93	92	90	89

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: 85135

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

S ¹	B ¹	H ¹	V ²
1190	1496	2261	2907

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

S ¹	B ¹	H ¹	V ²
298	374	565	727

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.1	9.3

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

S ¹	B ¹	H ¹	V ²
82	81	80	79

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

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 90351

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: 2557 lm x 0.789 = 2017 lm
Total Light Output per Foot: 639 lm/ft x 0.789 = 504 lm/ft.
watts/foot: 71 W/ft.

$$\text{Efficacy} = \frac{504 \frac{\text{lm}}{\text{ft.}}}{7.1 \frac{\text{W}}{\text{ft.}}} = 71 \text{ lm/W}$$

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

High Performance 2" Aperture (HP-2) Recessed

Wall Wash Recessed - 4' Luminaire 3500K

HP2-R-WW-D-K-4'-V-835

Downlight: With Kicker

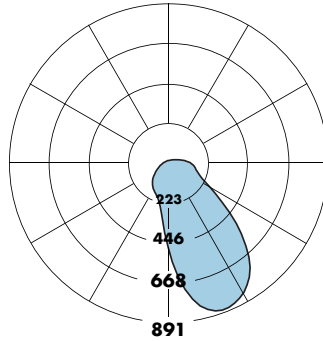
Efficacy: 76 lm/W

Total luminaire output: 1500 lumens (375 lm/ft)
19.6 watts (4.9 W/ft)

Peak Candela Value: 882 @ 25°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85137



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

S ¹	B ¹	H ¹	V ²
614	772	1167	1500

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

S ¹	B ¹	H ¹	V ²
154	193	292	375

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
2.0	2.5	3.8	4.9

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

S ¹	B ¹	H ¹	V ²
76	77	77	77

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

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on ITL report: 85137

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: 1167 lm x 0.789 = 921 lm
Total Light Output per Foot: 292 lm/ft x 0.789 = 230 lm/ft.
watts/foot: 3.8 W/ft.

$$\text{Efficacy} = \frac{292 \frac{\text{lm}}{\text{ft.}}}{3.8 \frac{\text{W}}{\text{ft.}}} = 61 \text{ lm/W}$$

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

High Performance 2" Aperture (HP-2) Recessed

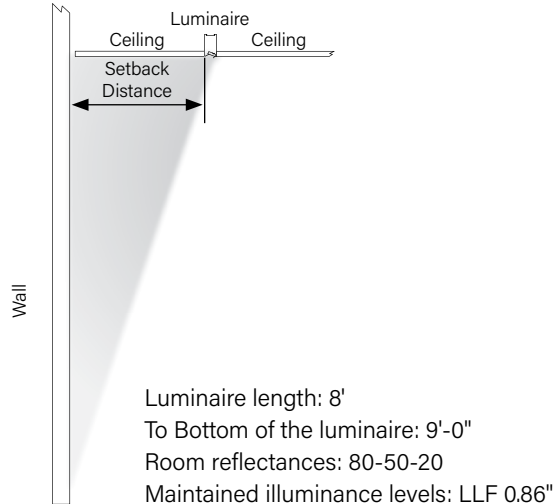
WALL WASH RECESSED - SETBACK INFO AND APPLICATION DATA

HP2-R-WW-D-K-4'-V-835

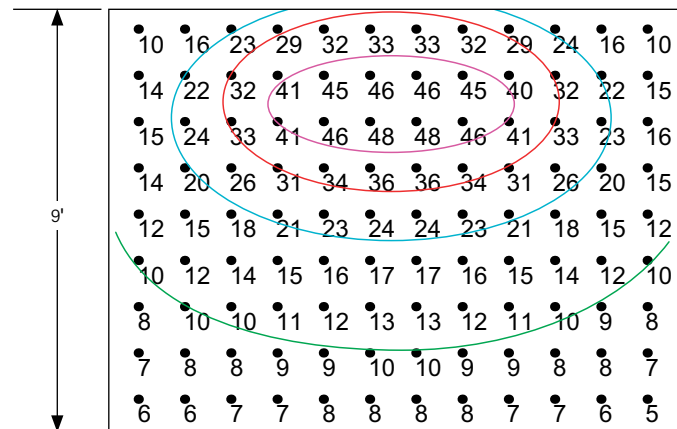
Downlight: With Kicker

Total luminaire output: 1500 lumens (375 lm/ft)
19.6 watts (4.9 W/ft)

CRI: 80 / CCT: 3500K



Setback Distance - 2'



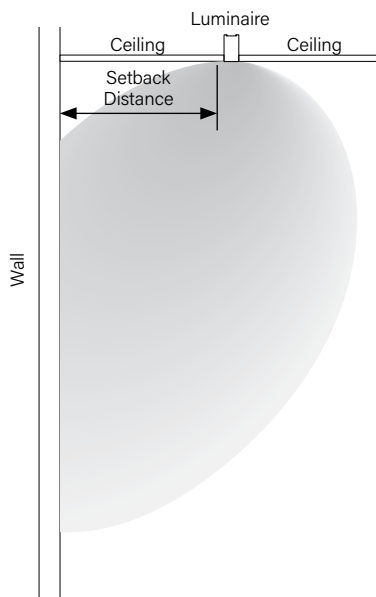
DOWNLIGHT ASYMMETRIC OPTIC - SETBACK INFO AND APPLICATION DATA

HP2-R-D-4ft-V-835-DAO

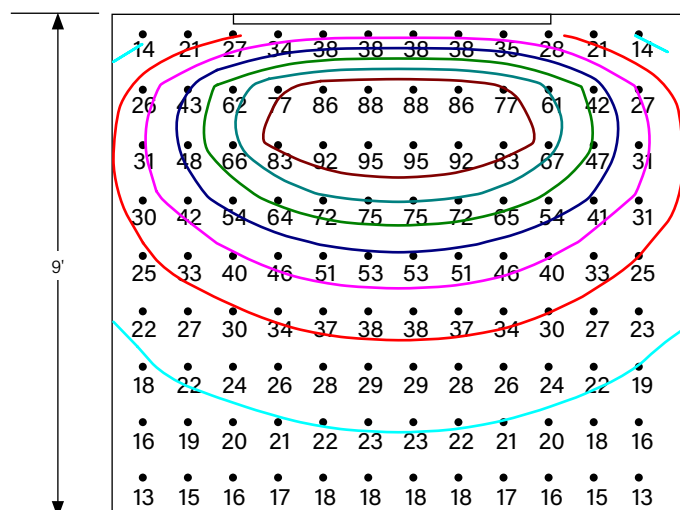
Downlight: DAO

Total luminaire output: 3742 lumens (936 lm/ft)
35.6 watts (8.9 W/ft)

CRI: 80 / CCT: 3500K



Setback Distance - 2'



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

0-10V Tunable White

Finelite's contractor friendly Tunable White luminaires are available at low cost, with powerful and simple 0-10V tuning and intensity controls.

TUNABLE WHITE FEATURES

- CCT range: 2700K - 6500K
- Dimming Range: 100% to 10%
- CRI Options: 80 CRI or 90 CRI

Note:

Dim to Off options available.

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Recessed 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. Tailored lengths available.											
Integral Battery Backup (BSL310LP)							✓		✓		✓	

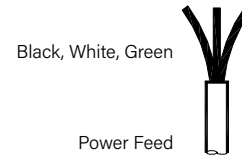
PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

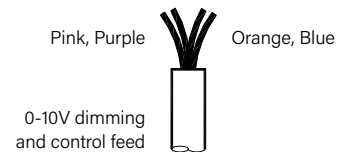
POWER	CONVERSION FACTOR
	1.1X

(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