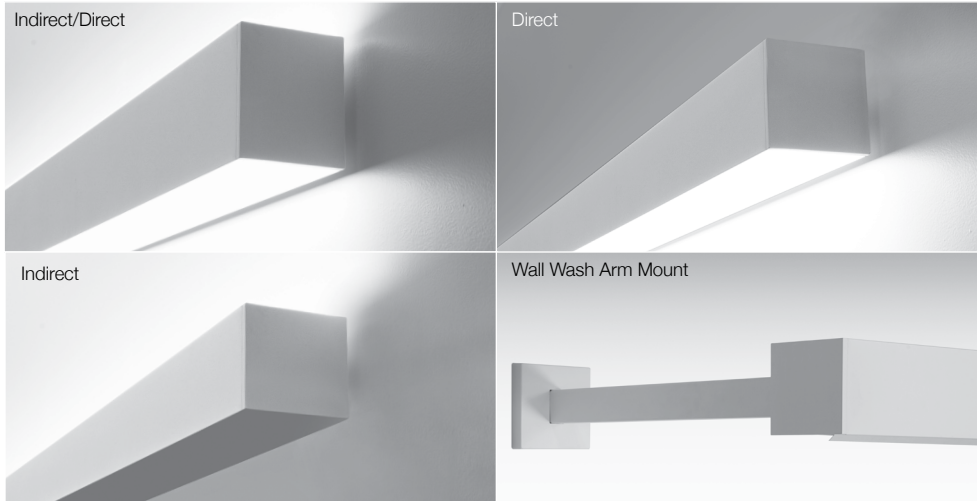


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount



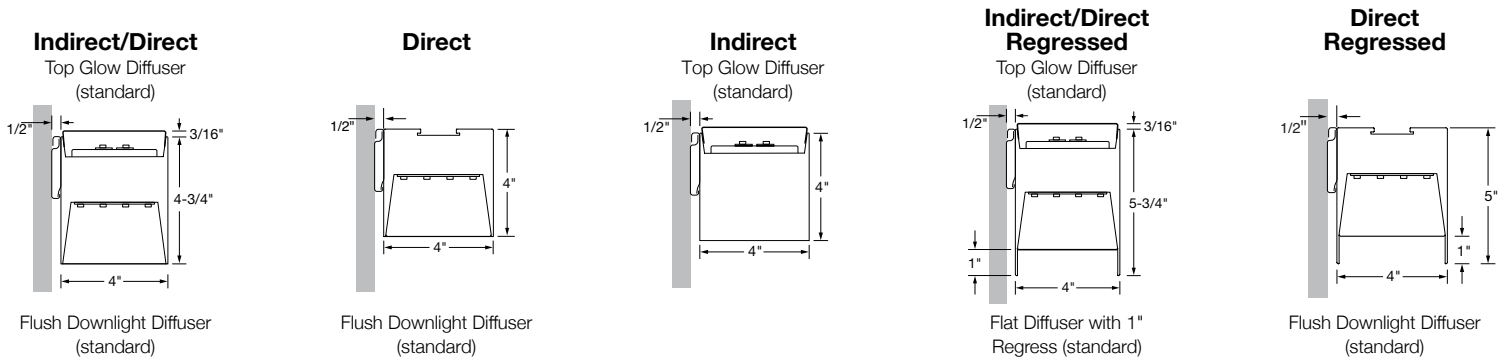
High Performance 4" Aperture Wall Mount family includes Indirect/Direct, Direct, Indirect, and Wall Wash Arm Mount luminaires. HP-4 delivers excellent performance using an advanced optical design and mid-power LEDs to achieve 90% of initial light output at 100,000+ hours.

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 Declared status.

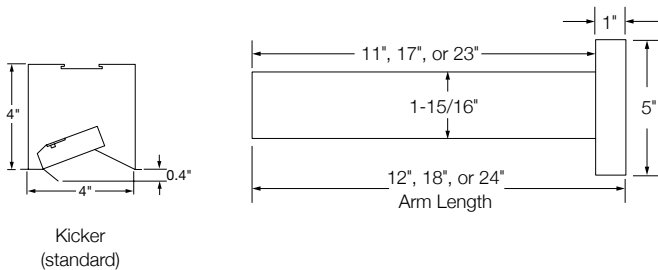
Signal White is standard finish

Note: see page 6 for all aesthetic options

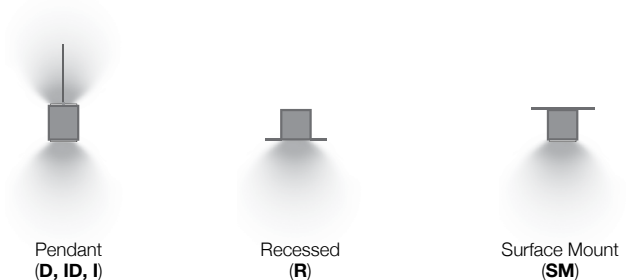
CROSS SECTIONS



Wall Wash Arm Mount



ALSO AVAILABLE IN



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

High Performance 4" Aperture (HP-4)

Wall Mount and Arm Mount

BODY TYPE

OUTPUT and LED TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Uplight Output ID & I Only	Downlight Output ID & D Only
HP - High Performance	4	WM - Wall Mount ¹ WM RG - Wall Mount Regressed ¹ AM - Arm Mount (Wall Wash only)	D - Direct WW-D - Wall Wash Direct ID - Indirect/Direct I - Indirect	Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.	S - Standard B - Boosted Standard H - High V - Very High TL - Tailored: _____lm/ft*	S - Standard B - Boosted Standard H - High V - Very High 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.

MECHANICAL/OPTICAL OPTIONS

ELECTRICAL OPTIONS

LED CRI/CCT	Uplight Optics ID & I Only	Downlight Optics ID & D Only	Reflector System	Voltage
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	TG - Top Glow (standard) F - Flush 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	F - Flush (standard) ¹ BG - Bottom Glow ¹ DL - 1" Drop Down Lens ¹ RG-D - Flat Diffuser with 1" Regress ^{1,2} RG-WCB - White Cross Blade Baffle ^{1,2} RG-LHE - Hollowed Ellipse Louver ^{1,2} RG-LHC - Hex Louver ^{1,2} K - Kicker for Wall Wash only (standard) FO - Fully Open for Wall Wash only	96LG - 96 Low Gloss White SSA - Semi-Specular Aluminum for Wall Wash only	120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage

ELECTRICAL OPTIONS

MOUNTING OPTIONS

Circuiting ³	Driver Selection	Mounting Method	
SC - Single Circuit* One single circuit in a run DC - Dual Circuit* ⁴ Independent control of up and down separately in an I/D style fixture 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)	0-10V Driver Options FC-10% - 0-10V 10% ⁵ (standard) FC-1% - 0-10V 1% ⁵ OSR-10% - Osram OTI, 0-10V 10% ⁵ OSR-1% - Osram OTI, 0-10V 1% ⁵ ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% OSR-10V-TW - Osram OTI, 0-10V 10% (Tunable White) ⁵ DALI Driver Options FC-DALI-1% - DALI 1% OSR-DALI-1% - Osram Dexal, 1% ELD-DALI-0% - EldoLED SOLOdrive, 0.1% ELD-DALI-TW - EldoLED DUALdrive LightShape, 0.1% (Tunable White)	DMX Driver Options FIN-DMX - Finelite DMX 1% (Tunable White - FineTune Controls Only) ⁶ ELD-DMX - EldoLED POWERdrive, 0.1% ELD-DMX-TW - EldoLED POWERdrive, 0.1% (Tunable White) Lutron Driver Options LUT-ES1 - Lutron, Ecosystem 1% LUT-ES5 - Lutron, Ecosystem 5% LUT-2W - Lutron, 2-wire (120V only) 1% LUT-TW - Lutron T-Series, EcoSystem 0.1% (Tunable White) See Page 3 for additional driver options and details	MB - Mounting Bracket ⁷ AM12 - 12" ⁸ AM18 - 18" ⁸ AM24 - 24" ⁸

OTHER OPTIONS

Endcap Style	Finish	Emergency Style (Optional)	Integrated Sensor (Optional)	Special Options (Optional)
FE - Flat Endcap (standard) DE - 1" Drop Endcap ⁹ OE - Open Endcap ¹⁰	SW - Signal White (standard) FB - Finelite Black ¹¹ SA - Satin Aluminum ¹¹ #### - RAL Color Code ¹¹	FAC CHO - Factory Choice Battery Back-up EM/GEN - Emergency to Generator NL - Night Light BSL722 - Bodine Battery Back up BSL310LP - Bodine Battery Back up Low Profile GTD - Generator Transfer Device	OBO - Occupancy ¹ OBD - Daylight ¹ OBE - Enlighted ^{1,12,13}	RLA - Red List Approved RLD - Declared

¹ Not available for Wall Wash

² Regressed only

³ Contact factory for switching options

⁴ Indirect/Direct only

⁵ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO)

⁶ B & V outputs only

⁷ Wall Mount only

⁸ Arm Mount only

⁹ 1" Drop Down Lens downlight only

¹⁰ Available with Hollowed Ellipse Louver (**LHE**) only

¹¹ 20 business days lead time for color

¹² Enlighted for Wall Wash fixtures. Enlighted Control Unit & Sensor Cable installed for Remote mounting sensor

¹³ Enlighted components installed by Finelite, provided by others

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

High Performance 4" Aperture (HP-4)

Wall Mount and Arm Mount

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)
OSR-10V-TW	Osram OTi, 0-10V 10% Dimming, <i>Tunable White</i> (Linear)
OSR-10V-TW-DTO	Osram OTi, 0-10V 10% Dimming, Dim-to-Off, <i>Tunable White</i> (Linear)
OSR-10%	Osram OTi, 0-10V 10% Dimming (Linear)
OSR-10%-DTO	Osram OTi, 0-10V 10% Dimming, Dim-to-Off (Linear)
OSR-1%	Osram OTi, 0-10V 1% Dimming (Linear)
OSR-1%-DTO	Osram OTi, 0-10V 1% Dimming, Dim-to-Off (Linear)

DALI Driver Options

FC-DALI-1%	Factory Choice, DALI 1% Dimming (Logarithmic)
OSR-DALI-1%	Osram 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, <i>Tunable White</i> (Logarithmic Dimming , Linear CCT Control)

DMX Driver Options

FIN-DMX	Finelite, DMX 1% Dimming, <i>Tunable White</i> - FineTUNE Controls Only (Linear)
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, <i>Tunable White</i> (8 Bit, 2CH - CH1 Warm / CH2 Cool) (Linear)
ELD-DMX-TW16	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (16 Bit, 4CH - CH1, 2 Warm / CH3, 4 Cool) (Linear)

Lutron Driver Options

LUT-ES1	Lutron, Ecosystem 1% Dimming
LUT-ES5	Lutron, Ecosystem 5% Dimming
LUT-2W	Lutron, 2-wire (120V only) 1% Dimming
LUT-TW	Lutron T-Series, EcoSystem 0.1% Dimming, <i>Tunable White</i>

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

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

SPECIFICATIONS

BODY TYPE

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

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

MITERED CORNERS¹: Illuminated corners of greater than 60° and less than 180° in a single plane, available with Flush Diffuser, Bottom Glow Diffuser, 1" Drop Down Lens, Regressed Diffuser, White Cross Blade Baffle² or Wall Wash. Corners not available with Wall Wash (**WW-D**), Hollowed Ellipse Louver (**LHE**) or Hex Louver (**LHC**). 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

UPLIGHT OPTION⁴: Patented Top Glow frost white diffuser standard. 12 ft. maximum diffuser length. 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Optional: Flush frost white snap-in diffuser, 73% transmissive, 99% diffusion; **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 OPTION⁵: 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**)⁶, Hollowed Ellipse Louver (**LHE**)⁶, Hex Louver (**LHC**)⁶, and Regressed downlight diffusers (**RG**). 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. 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: Wall Mount: Die-formed 20-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white powder coat paint. **Arm Mount:** 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 FEATURES

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.

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:

- **LUTES1** (Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series))
- **LUTES5** (5-Series 5% EcoSystem (LDE5 Series))
- **LUT2W** (Hi-lume 1% 2-wire, 120V forward phase dimming (LTEA series)).

TUNABLE WHITE DRIVER: Replaceable LED driver. Driver is accessible from below the ceiling. 120V, 277V, and 347V.

- **Power factor:** ≥ 0.90
- **Total Harmonic Distortion (THD):** <20%
- **Dimming Range:** 100%-10%
- **Expected driver lifetime:** 100,000 hours
- FineTune DMX is 1%

¹ Not available with Wall Wash

² Indirect/Direct and Direct only

³ White Cross Blade (WCB) baffles not available with custom angles. Available in 90 degrees only

⁴ Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, and Wall Mount Indirect only

⁵ Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, Wall Mount Direct, and Wall Mount Regressed Direct only

⁶ Wall Mount Regressed Indirect/Direct & Wall Mount Regressed Direct only

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

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

SPECIFICATIONS

LUTRON TUNABLE WHITE DRIVER OPTION: LUT-TW (1% T-Series 2-Channel Digital Tunable White (PSQ Series)).

MOUNTING OPTIONS

HANGING HARDWARE: Wall Mount: Luminaire hangs securely from mounting brackets fastened directly to the wall for easy installation. Luminaire stands 1/2" off the wall. The mounting bracket is concealed behind the luminaire. **Arm Mount:** bracket mounts directly to wall j-box, extends luminaire 12", 18", or 24" from wall. Other lengths available. Consult factory.

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 pre-wired with plug-and-play interconnection cables to support easy plug-together joining of luminaire runs. If a non-FineTune DMX system has been specified, a DMX to RJ45 converter is provided.

OTHER OPTIONS

ENDCAPS: Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire. 1" Drop Down Lens Endcap (**DE**)⁷ includes diffuse element to continue luminance of drop lens. Open Endcap (**OE**) is for use with the Hollowed Ellipse Louver (**LHE**); following the curve of the louver.

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.

- **Indirect/Direct:** Backup batteries deliver 1854 lumens. 8' minimum luminaire length. 2' illuminated (downlight standard).
- **Direct:** Backup batteries deliver 1854 lumens. 8' minimum luminaire length. 2' illuminated.
- **Indirect:** backup batteries deliver 2057 lumens. 8' minimum luminaire length. 2' illuminated.
- **Wall Wash:** backup batteries deliver 2000 lumens. 8' minimum luminaire length. 2' illuminated.

TUNABLE WHITE ELECTRICAL OPTIONS⁸:

- **TW Driver Options 0-10V:** EM/GEN, GTD or Battery Back up
- **FineTune DMX:** EM/GEN 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 or daylight sensors available with Flush and Bottom Glow downlight diffusers. Refer to Occupancy Sensor, Daylight Sensor, and Enlighted Sensor tech sheets for more info.

FINISHES: Finelite Signal White (**SW**) powder coat, Finelite Black (RAL 9005) with semi gloss fine texture (**FB**)⁹, and Satin Aluminum (**SA**)⁹ are standard. Optional Adder: 185 RAL colors⁹ 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. 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** (Declared Label) to your part number.

WEIGHT¹⁰: ID - 3.4 lb/ft; D - 2.8 lb/ft; I - 2.8 lb/ft; AM - 2.9 lb/ft (luminaire only)

DLC QUALIFIED: Configurations of this product are listed on the DLC Qualified Products List (QPL). www.designlights.org/search

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

⁷ Available in Indirect/Direct Regressed & Direct Regressed only

⁸ Consult Finelite for Generator Transfer Device and Battery Backup fit

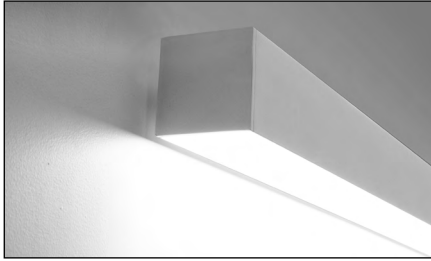
⁹ 20 business days lead time for color

¹⁰ Excludes Battery Back up and Generator Transfer Device weight

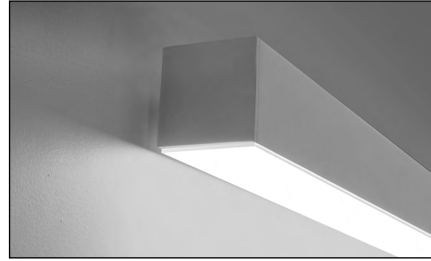
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

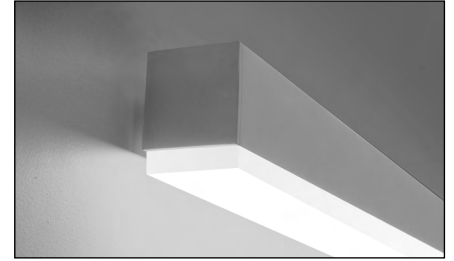
AESTHETIC OPTIONS



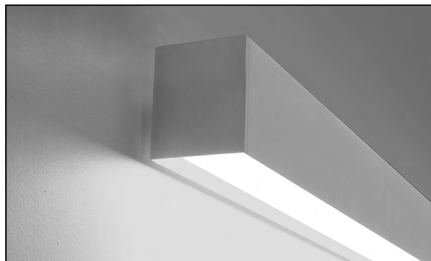
Flush Diffuser (F)



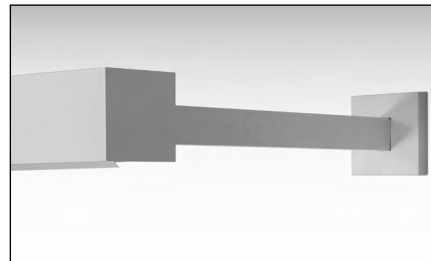
Bottom Glow Diffuser (BG)



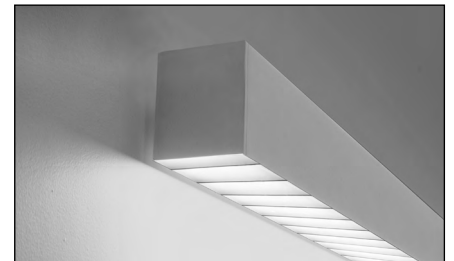
1" Drop Down Lens (DL)



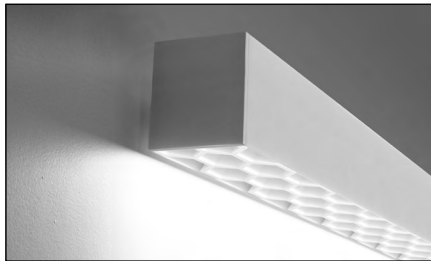
Flat Diffuser with 1" Regressed (RG-D)



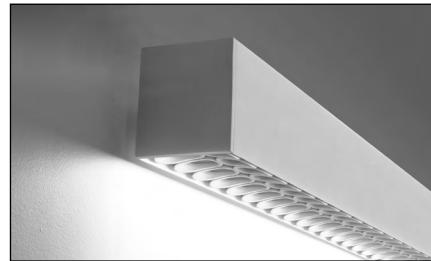
Kicker (K) - Wall Wash Arm Mount only



White Cross Blade Baffle¹ (RG-WCB)



Hex Louver¹ (RG-LHC)

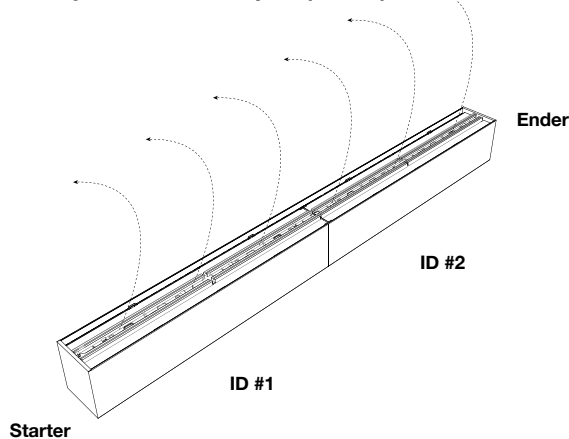


Hollowed Ellipse Louver¹ (RG-LHE)

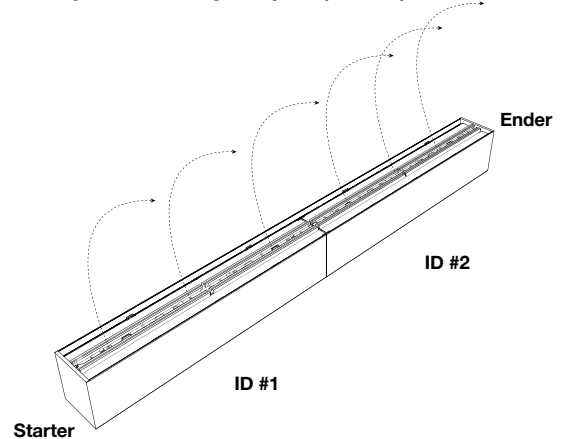
ASYMMETRIC OPTIONS

Use this tool to understand how to specify Asymmetric for your project. The diagrams below show a linear run from power feed to ender. Specify, ASY-L distributes light to the left or ASY-R distributed light to the right.

Asymmetric Left Optic (ASY-L)



Asymmetric Right Optic (ASY-R)



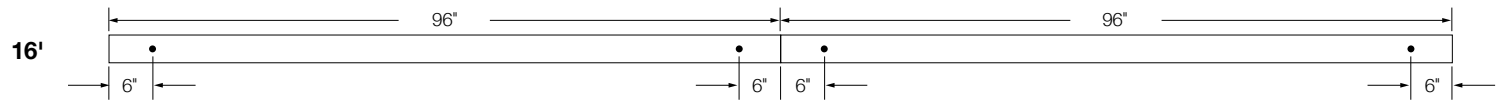
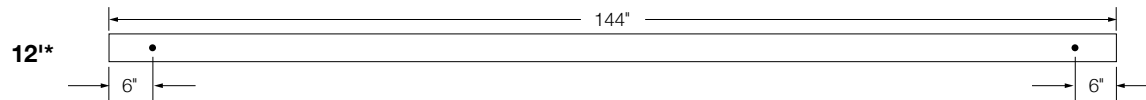
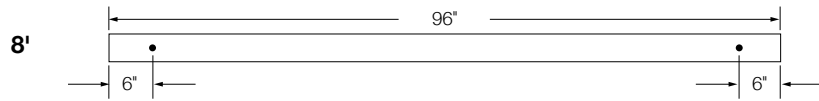
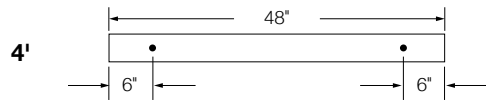
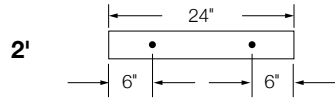
¹ Not available with Wall Wash

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

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

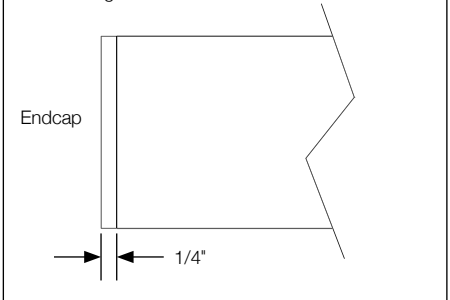
WALL WASH ARM MOUNT - Run Lengths & Mounting Location Examples

Tailored Lengths Available Down To 1/16" (±1/32")



Endcap Information

The **Flat Endcap** adds 1/4" per endcap to the section length.



• = Bracket Location

* = 12' Maximum spacing for two Arm Mount supports

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

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP4-WM-ID-4'-V-V-835

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

Distribution: 53% Up (V) / 47% Down (V)

Efficacy: 106 lm/W

Uplight: 4180 lumens (1045 lumens/foot)

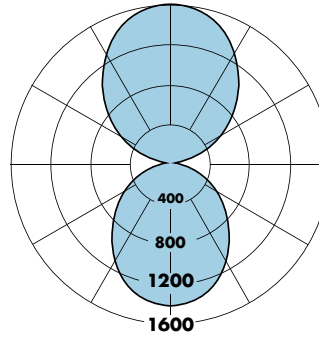
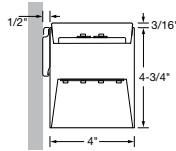
Downlight: 3706 lumens (927 lumens/foot)

Total luminaire output: 7886 lumens (1972 lm/ft)
74.1 watts (18.5 W/ft)

Peak Candela Value: 1600 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85125



CANDELA DISTRIBUTION						
	0.0	22.5	45	67.5	90	Flux
0	1443	1443	1443	1443	1443	
5	1433	1434	1434	1433	1434	136
15	1368	1360	1365	1363	1356	384
25	1239	1225	1228	1224	1216	564
35	1062	1050	1049	1040	1034	654
45	859	850	847	838	832	652
55	647	640	637	628	624	568
65	435	430	429	424	422	424
75	233	234	233	234	232	248
85	65	67	68	69	70	76
90	0	0	0	0	0	
95	71	72	76	81	82	86
105	257	261	266	270	269	281
115	485	483	485	490	486	482
125	723	726	726	720	717	646
135	963	958	961	958	951	739
145	1189	1177	1185	1179	1172	738
155	1377	1367	1374	1368	1363	631
165	1517	1510	1514	1511	1510	426
175	1590	1590	1590	1589	1590	151
180	1600	1600	1600	1600	1600	

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	3228 (↑53% ↓47%↓)	3668 (↑59% ↓41%↓)	4768 (↑68% ↓32%↓)	5697 (↑73% ↓27%↓)
↓B ¹	3618 (↑47% ↓53%↓)	4058 (↑53% ↓47%↓)	5158 (↑63% ↓37%↓)	6087 (↑69% ↓31%↓)
↓H ¹	4594 (↑37% ↓63%↓)	5034 (↑43% ↓57%↓)	6134 (↑53% ↓47%↓)	7062 (↑59% ↓41%↓)
↓V ²	5417 (↑32% ↓68%↓)	5857 (↑37% ↓63%↓)	6957 (↑47% ↓53%↓)	7886 (↑53% ↓47%↓)

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	807	917	1192	1424
↓B ¹	905	1015	1290	1522
↓H ¹	1148	1258	1533	1766
↓V ²	1354	1464	1739	1972

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	7.3	8.2	10.7	12.9
↓B ¹	8.2	9.2	11.7	13.9
↓H ¹	10.7	11.7	14.2	16.4
↓V ²	12.9	13.9	16.4	18.5

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	111	111	111	111
↓B ¹	110	110	110	110
↓H ¹	107	107	108	108
↓V ²	105	106	106	106

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 (S), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 4768 lm x 0.789 = 3762 lm

Total Light Output per Foot: 1192 lm/ft x 0.789 = 940 lm/ft.

watts/foot: 10.7 W/ft.

$$\text{Efficacy} = \frac{940 \frac{\text{lm}}{\text{ft.}}}{10.7 \frac{\text{W}}{\text{ft.}}} = 88 \text{ lm/W}$$

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: 89125

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

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

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP4-WM-RG-ID-4'-V-V-835

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

Distribution: 56% Up (V) / 44% Down (V)

Efficacy: 108 lm/W

Uplight: 4406 lumens (1102 lumens/foot)

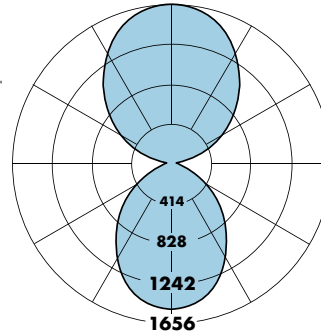
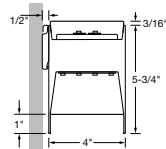
Downlight: 3531 lumens (883 lumens/foot)

Total luminaire output: 7937 lumens (1984 lm/ft)
73.2 watts (18.3 W/ft)

Peak Candela Value: 1656 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 90353



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	FLUX
0	1507	1507	1507	1507	1507	
5	1497	1496	1496	1497	1498	142
15	1429	1419	1418	1410	1400	398
25	1293	1276	1259	1237	1227	579
35	1109	1087	1053	1020	1003	659
45	902	871	824	780	764	638
55	682	645	588	541	525	532
65	457	418	358	313	299	364
75	244	203	151	120	115	178
85	60	36	33	32	31	43
90	0	0	0	0	0	
95	75	78	81	84	85	91
105	276	281	287	293	293	303
115	514	516	523	528	526	516
125	65	764	768	772	774	687
135	1010	1003	1011	1016	1016	779
145	1241	1227	1240	1239	1237	773
155	1434	1421	1433	1431	1426	658
165	1574	1566	1571	1568	1565	442
175	1646	1646	1646	1645	1645	156
180	1656	1656	1656	1656	1656	

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	3249 [↑55% 45%↓]	3713 [↑61% 39%↓]	4872 [↑70% 30%↓]	5851 [↑75% 25%↓]
↓B ¹	3621 [↑50% 50%↓]	4085 [↑55% 45%↓]	5244 [↑65% 35%↓]	6223 [↑71% 29%↓]
↓H ¹	4550 [↑40% 60%↓]	5014 [↑45% 55%↓]	6173 [↑56% 44%↓]	7152 [↑62% 38%↓]
↓V ²	5335 [↑34% 66%↓]	5798 [↑39% 61%↓]	6958 [↑49% 51%↓]	7937 [↑56% 44%↓]

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	812	928	1218	1463
↓B ¹	905	1021	1311	1556
↓H ¹	1137	1253	1543	1788
↓V ²	1334	1450	1739	1984

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	7.2	8.1	10.6	12.7
↓B ¹	8.1	9.1	11.6	13.7
↓H ¹	10.6	11.6	14.0	16.2
↓V ²	12.7	13.7	16.2	18.3

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	113	114	115	115
↓B ¹	111	112	113	114
↓H ¹	107	108	110	111
↓V ²	105	106	108	108

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 (S), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 4872 lm x 0.789 = 3844 lm

Total Light Output per Foot: 1218 lm/ft x 0.789 = 961 lm/ft.

watts/foot: 10.6 W/ft.

$$\text{Efficacy} = \frac{961 \frac{\text{lm}}{\text{ft.}}}{10.6 \frac{\text{W}}{\text{ft.}}} = 91 \text{ lm/W}$$

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: 90353

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

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

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP4-P-ID-4'-V-V-835-FF-WSO

Uplight: Widespread Optic / **Downlight:** Regressed Diffuser

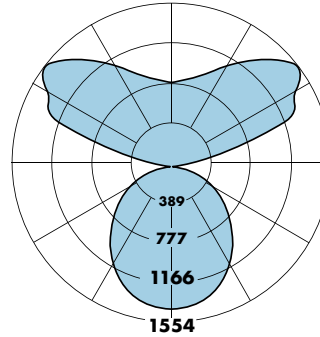
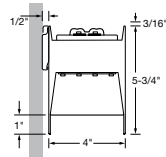
Distribution: 54% Up (V) / 46% Down (V)

Efficacy: 109 lm/W

Uplight: 4302 lumens (1076 lumens/foot)

Downlight: 3676 lumens (919 lumens/foot)

Total luminaire output: 7978 lumens (1995 lm/ft)
73.3 watts (18.3 W/ft)



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	FLUX
0	1378	1378	1378	1378	1378	
5	1370	1370	1369	1370	1370	130
15	1314	1304	1309	1310	1305	369
25	1197	1184	1190	1187	1184	548
35	1038	1027	1030	1025	1020	643
45	851	841	843	837	833	648
55	652	643	642	636	635	573
65	446	437	438	435	433	433
75	245	240	242	241	240	256
85	70	68	67	67	69	77
90	0	0	0	0	0	
95	45	80	82	64	64	97
105	211	271	614	589	472	485
115	385	434	783	1212	1323	804
125	503	565	885	1386	1514	852
135	588	656	915	1294	1462	752
145	668	723	912	1137	1234	585
155	737	771	882	992	1037	409
165	790	802	845	884	899	40
175	816	817	821	825	858	79
180	819	819	819	819	819	

CRI: 80 / CCT: 3500K
ITL LM79 Report 89033

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	3266 [↑54% 46%↓]	3719 [↑60% 40%↓]	4851 [↑69% 31%↓]	5807 [↑74% 26%↓]
↓B ¹	3653 [↑48% 52%↓]	4106 [↑54% 46%↓]	5238 [↑64% 36%↓]	6194 [↑70% 30%↓]
↓H ¹	4620 [↑38% 62%↓]	5073 [↑44% 56%↓]	6205 [↑54% 46%↓]	7161 [↑60% 40%↓]
↓V ²	5437 [↑32% 68%↓]	5890 [↑38% 62%↓]	7022 [↑48% 52%↓]	7978 [↑54% 46%↓]

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	816	930	1213	1452
↓B ¹	913	1026	1309	1548
↓H ¹	1155	1268	1551	1790
↓V ²	1359	1472	1756	1995

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	7.2	8.1	10.6	12.7
↓B ¹	8.1	9.1	11.6	13.7
↓H ¹	10.6	11.6	14.1	16.2
↓V ²	12.7	13.7	16.2	18.3

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	114	114	114	114
↓B ¹	112	113	113	113
↓H ¹	109	109	110	111
↓V ²	107	107	108	109

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 (S), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 7978 lm x 0.789 = 6295 lm

Total Light Output per Foot: 1213 lm/ft x 0.789 = 957 lm/ft.

watts/foot: 10.6 W/ft.

$$\text{Efficacy} = \frac{957 \frac{\text{lm}}{\text{ft.}}}{10.6 \frac{\text{W}}{\text{ft.}}} = 90 \text{ lm/W}$$

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: 89033

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

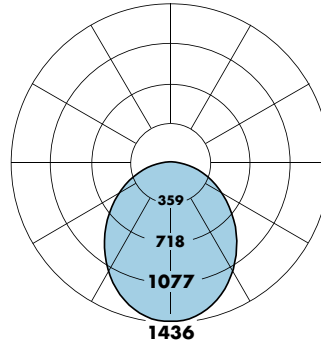
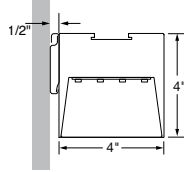
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Direct Photometry - 4' Luminaire 3500K

HP4-WM-D-4'-V-835

Downlight: Flush Diffuser



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	FLUX
0	1436	1436	1436	1436	1436	
5	1428	1428	1427	1427	1427	135
15	1363	1353	1358	1357	1350	382
25	1236	1221	1226	1219	1212	563
35	1060	1047	1048	1037	1030	653
45	859	849	848	836	831	652
55	647	639	637	628	623	568
65	434	432	431	425	424	425
75	236	236	237	235	236	250
85	67	68	69	70	69	77
90	0	0	0	0	0	

Efficacy: 100 lm/W

Total luminaire output: 3705 lumens (926 lm/ft)

37 watts (9.3 W/ft)

Peak Candela Value: 1436 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85124

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

S ¹	B ¹	H ¹	V ²
1517	1907	2882	3705

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

S ¹	B ¹	H ¹	V ²
379	477	720	926

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
105	107	102	100

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: 2882 lm x 0.789 = 2274 lm

Total Light Output per Foot: 720 lm/ft x 0.789 = 568 lm/ft.

watts/foot: 7.1 W/ft.

$$\text{Efficacy} = \frac{568 \frac{\text{lm}}{\text{ft.}}}{7.1 \frac{\text{W}}{\text{ft.}}} = 80 \text{ lm/W}$$

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: 85124

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 11

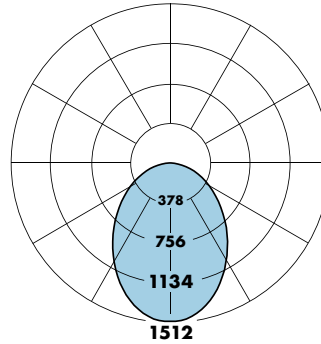
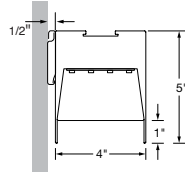
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Direct Photometry - 4' Luminaire 3500K

HP4-WM RG-D-4'-V-835

Downlight: Regressed Diffuser



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	Flux
0	1512	1512	1512	1512	1512	
5	1504	1502	1500	1497	1497	142
15	1435	1415	1401	1387	1375	394
25	1298	1260	1232	1202	1186	568
35	1116	1068	1024	981	964	643
45	905	852	797	749	731	620
55	681	630	570	523	507	518
65	458	410	352	312	297	360
75	246	205	159	130	121	183
85	67	41	38	36	37	48
90	0	0	0	0	0	

Efficacy: 94 lm/W

Total luminaire output: 3477 lumens (869 lm/ft)

37 watts (9.3 W/ft)

Peak Candela Value: 1512 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85129

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

S ¹	B ¹	H ¹	V ²
1423	1789	2704	3477

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

S ¹	B ¹	H ¹	V ²
356	447	676	869

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
98	97	95	94

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: 2704 lm x 0.789 = 2133 lm

Total Light Output per Foot: 676 lm/ft x 0.789 = 533 lm/ft.

watts/foot: 7.1 W/ft.

$$\text{Efficacy} = \frac{533 \frac{\text{lm}}{\text{ft.}}}{7.1 \frac{\text{W}}{\text{ft.}}} = 75 \text{ lm/W}$$

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: 85129

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 12

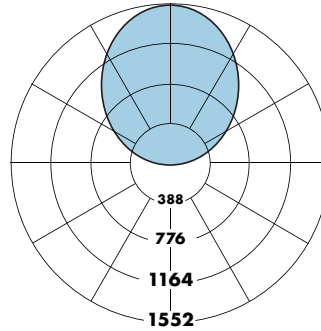
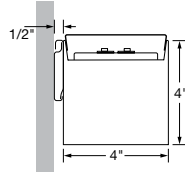
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Indirect Photometry - 4' Luminaire 3500K

HP4-WM-I-4'-V-835

Uplight: Flush Diffuser



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	Flux
90	0	0	0	0	0	0
95	76	77	79	80	80	88
105	264	263	267	270	269	283
115	487	481	482	489	484	479
125	714	715	714	708	710	637
135	943	947	947	940	937	727
145	1161	1151	1166	1155	1151	724
155	1343	1332	1341	1338	1331	616
165	1475	1467	1473	1471	1468	414
175	1542	1542	1543	1543	1542	146
180	1552	1552	1552	1552	1552	

Efficacy: 112 lm/W

Total luminaire output: 4114 lumens (1029 lm/ft)
37 watts (9.2 W/ft)

Peak Candela Value: 1552 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85127

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

S ¹	B ¹	H ¹	V ²
1684	2117	3200	4114

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

S ¹	B ¹	H ¹	V ²
421	529	800	1029

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
117	116	114	112

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: 3200 lm x 0.789 = 2525 lm

Total Light Output per Foot: 800 lm/ft x 0.789 = 631 lm/ft.

watts/foot: 7.1 W/ft.

$$\text{Efficacy} = \frac{631 \frac{\text{lm}}{\text{ft.}}}{7.1 \frac{\text{W}}{\text{ft.}}} = 89 \text{ lm/W}$$

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: 86127

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 13

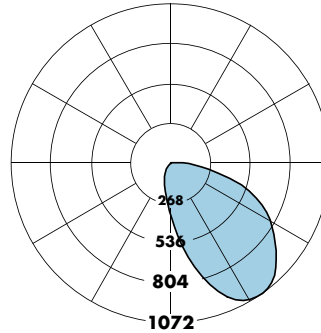
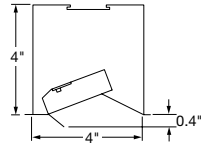
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Wall Wash Direct Photometry - 4' Luminaire 3500K

HP4-AM-WW-D-K-4'-B-835

Downlight: With Kicker



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	FLUX
0	373	373	373	373	373	
5	495	456	374	306	281	37
15	791	649	366	209	175	121
25	1018	818	347	147	115	217
35	1072	896	315	101	72	294
45	996	848	271	62	35	328
55	842	708	214	28	6	311
65	673	536	149	5	6	259
75	407	363	84	4	5	173
85	157	137	25	0	0	70
90	75	54	0	0	0	

Efficacy: 92 lm/W

Total luminaire output: 1816 lumens (454 lm/ft)
21.5 watts (5.4 W/ft)

Peak Candela Value: 1072 @ 35°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85130

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

S ¹	B ¹	H ¹	V ²
743	935	1412	1816

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

S ¹	B ¹	H ¹	V ²
186	234	353	454

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
2.0	2.5	3.8	5.0

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

S ¹	B ¹	H ¹	V ²
91	92	92	92

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: 1412 lm x 0.789 = 1114 lm

Total Light Output per Foot: 353 lm/ft x 0.789 = 279 lm/ft.

watts/foot: 3.8 W/ft.

$$\text{Efficacy} = \frac{279 \frac{\text{lm}}{\text{ft.}}}{3.8 \frac{\text{W}}{\text{ft.}}} = 73 \text{ lm/W}$$

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: 86130

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 14

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

High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

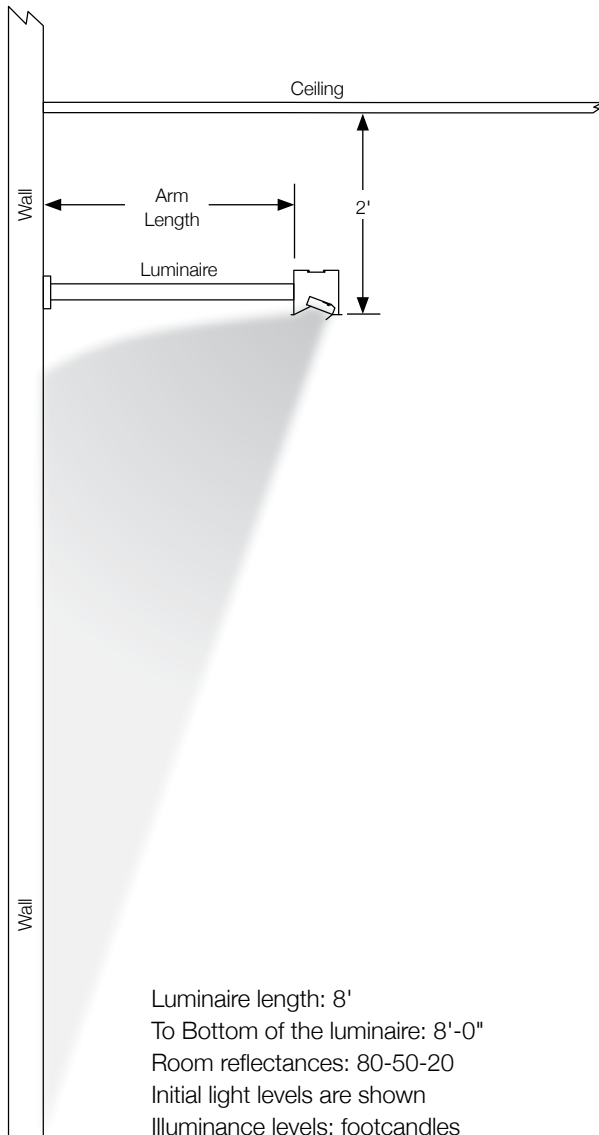
Wall Wash Arm Mount Direct - Setback Info and Application Data

HP4-AM-WW-D-K-4'-B-835

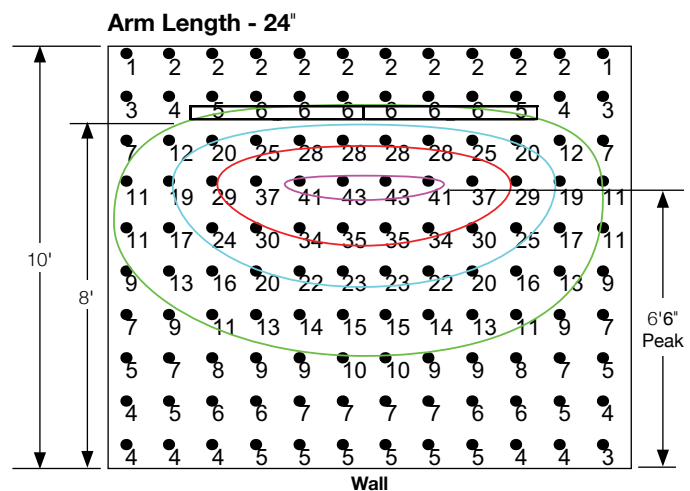
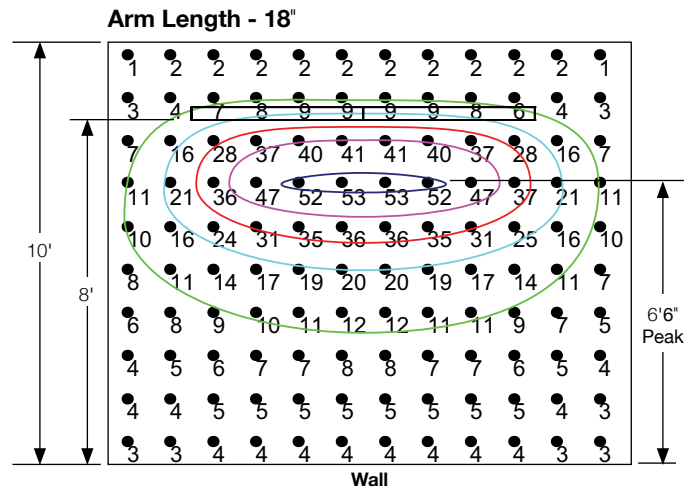
Downlight: With Kicker

Total luminaire output: 935 lumens (234 lm/ft)
10.2 watts (2.6 W/ft)

CRI: 80 / CCT: 3500K



Luminaire length: 8'
To Bottom of the luminaire: 8'-0"
Room reflectances: 80-50-20
Initial light levels are shown
Illuminance levels: footcandles



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

0-10V Tunable White

Finelite's award-winning, 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

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Surface Mount 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)							✓		✓		✓	

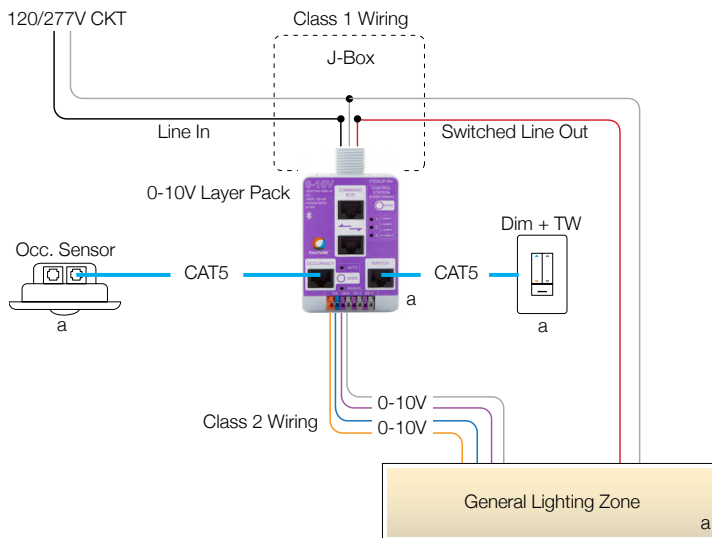
PHOTOMETRY

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)

WIRING DIAGRAM - DIMMABLE TO 10%



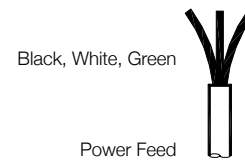
Luminaire Wiring

- **Purple (+) / Gray (-)** control wires are for intensity control
- **Orange (+) / Blue (-)** control wires are for Tunable White control

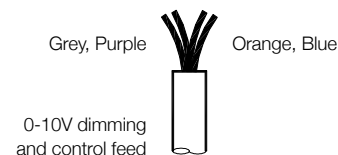
Note:

Load or Dim to Off options available.

DUAL FEED DETAIL



WIRING LEGEND		
Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	



WIRING LEGEND		
Grey	Dimming	0-10V DC
Purple	Dimming	0-10V DC
Orange	TW	0-10V DC
Blue	TW	0-10V DC

