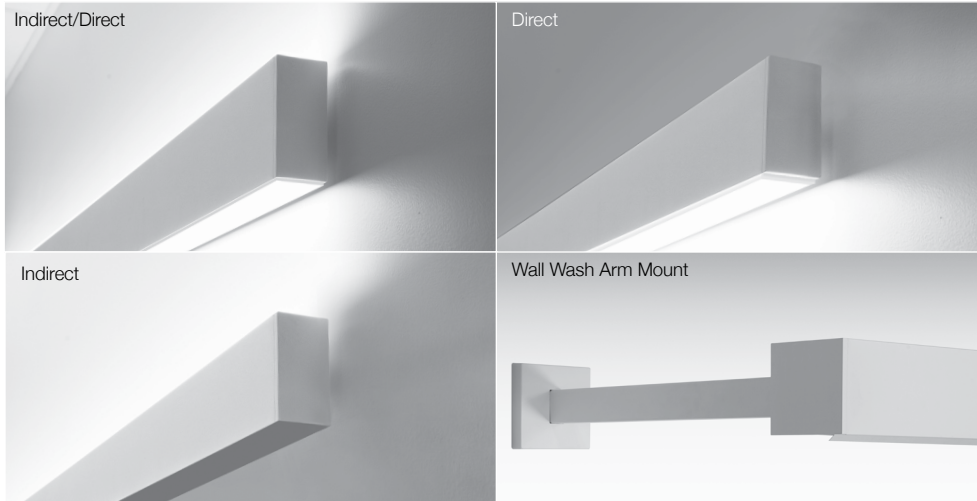


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| Submitted by: | | Date: |
| Type: | Project: | |
| Ordering Info: | | |

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount



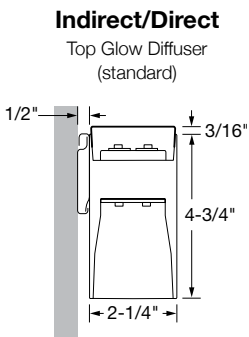
High Performance 2" Aperture is a patented, linear LED luminaire family. HP-2 delivers excellent performance using an advanced optical design and mid-power LEDs. Achieving 90% of initial light output at 100,000+ hours and backed by a 10-year performance-based warranty on all standard components.

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 Declared status.

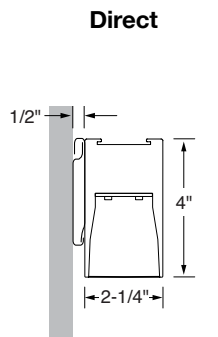
Signal White is standard finish

Note: see page 6 for all aesthetic options

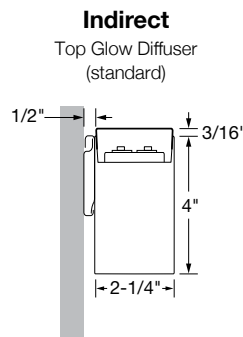
CROSS SECTIONS



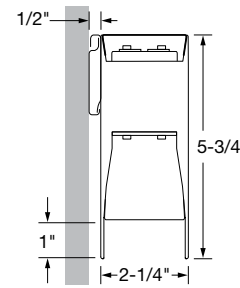
Flush Downlight Diffuser (standard)



Flush Downlight Diffuser (standard)

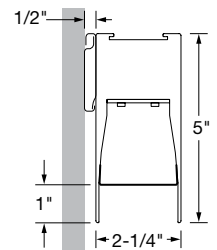


Indirect/Direct Regressed
Top Glow Diffuser (standard)



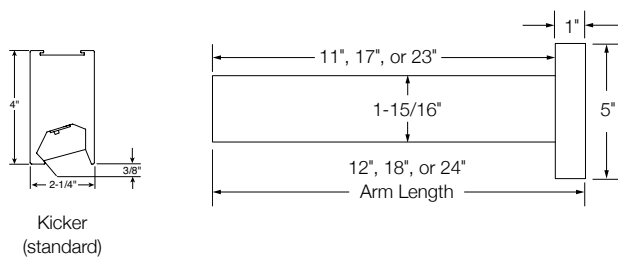
Flat Diffuser with 1" Regress (standard)

Direct Regressed



Flush Downlight Diffuser (standard)

Wall Wash Arm Mount



ALSO AVAILABLE IN



Pendant (D, ID, I)



Recessed (R)



Surface Mount (SM)



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

High Performance 2" Aperture (HP-2)

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 |
|-----------------------|-------------|--|---|--|---|
| HP - High Performance | 2 | WM - Wall Mount ¹ WM RG - Wall Mount Regressed ¹ AM - Arm Mount | 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* * 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

MECHANICAL/OPTICAL OPTIONS

| Downlight Output ID & D Only | LED CRI/CCT | Uplight | Downlight | Reflector System |
|---|--|---|--|--|
| 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 these ranges. | 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 ² 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 |

ELECTRICAL OPTIONS

| Voltage | Circuiting ³ | Driver Selection |
|--|--|--|
| 120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage | 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 Dexas, 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 |

MOUNTING OPTIONS

OTHER OPTIONS

| Mounting Method | Endcap Style | Finish | Emergency Style (Optional) | Integrated Sensor (Optional) | Special Options (Optional) |
|---|--|---|--|--|---|
| MB - Mounting Bracket ⁷ AM12 - 12" ⁸ AM18 - 18" ⁸ AM24 - 24" ⁸ | 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 BSL310LP - Bodine Battery Back up Low Profile GTD - Generator Transfer Device | OBO - Occupancy ¹ OBD - Daylight ¹ OBE - Enlighted ^{1,12} REE - Remote Enlighted 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 components installed by Finelite,

provided by others

¹³ Enlighted for Wall Wash fixtures. Enlighted Control Unit &

Sensor Cable installed for Remote mounting sensor

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

High Performance 2" Aperture (HP-2)

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 2" Aperture (HP-2) Wall Mount and Arm Mount

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision-cut 6061-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 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 Lens², Regressed Diffuser, or White Cross Blade Baffle³. 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' 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 power 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 2" Aperture (HP-2) 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. 8' minimum luminaire length for low profile battery pack.

- **Indirect/Direct:** backup batteries deliver 1608 lumens. 12' minimum luminaire length. 2' illuminated (downlight standard).
- **Direct:** backup batteries deliver 1608 lumens. 8' minimum luminaire length. 2' illuminated.
- **Indirect:** backup batteries deliver 1874 lumens. 8' minimum luminaire length. 2' illuminated.
- **Wall Wash:** backup batteries deliver 1500 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 - 2.9 lb/ft; D - 2.3 lb/ft; I - 2.3 lb/ft; AM - 2.9 lb/ft (luminaire only)

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 Back up fit

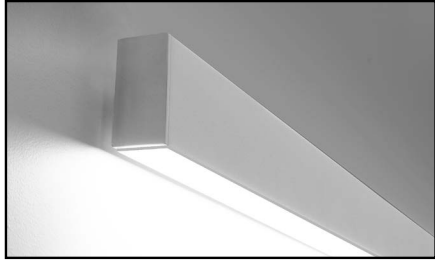
⁹ 20 business days lead time for color

¹⁰ Excludes Battery Back up and Generator Transfer Device weight

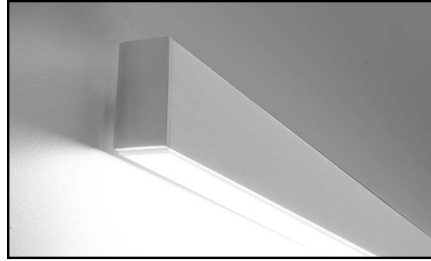
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| Submitted by: | | Date: |
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High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

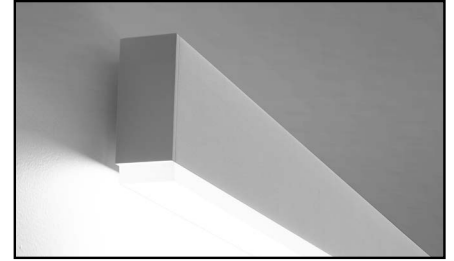
AESTHETIC OPTIONS



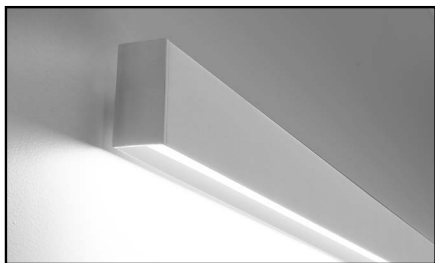
Flush Diffuser (F)



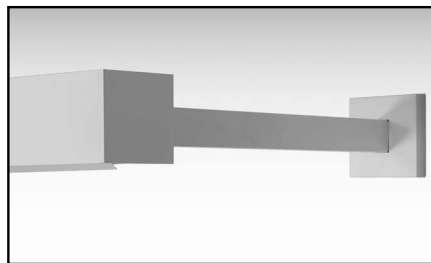
Bottom Glow Diffuser (BG)



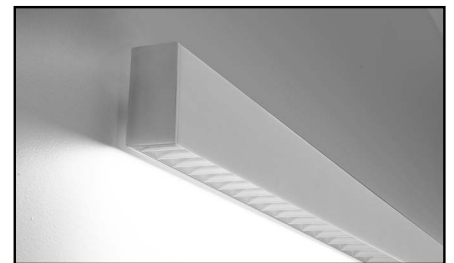
1" Drop Down Lens (DL)



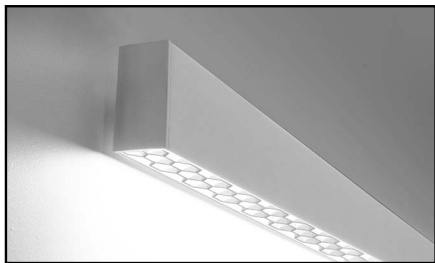
Flat Diffuser with 1" Regressed (RG-D)



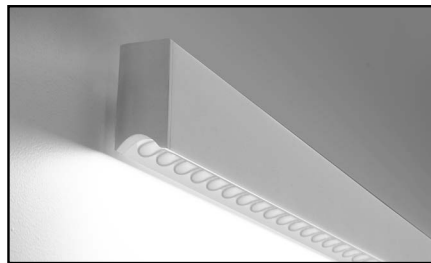
Kicker (K) - Wall Wash Arm Mount only



White Cross Blade Baffle¹ (RG-WCB)



Hex Louver¹ (RG-LHC)

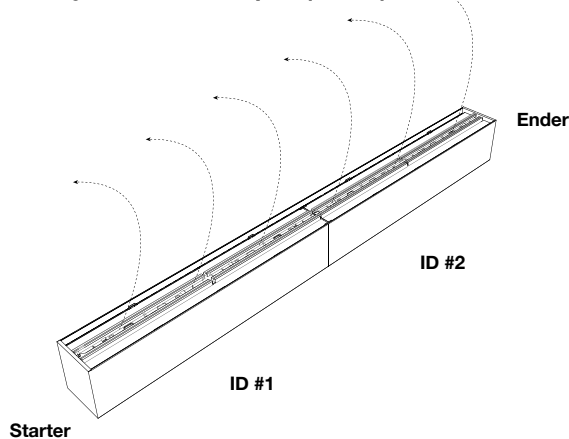


Hollowed Ellipse Louver¹ (RG-LHE)

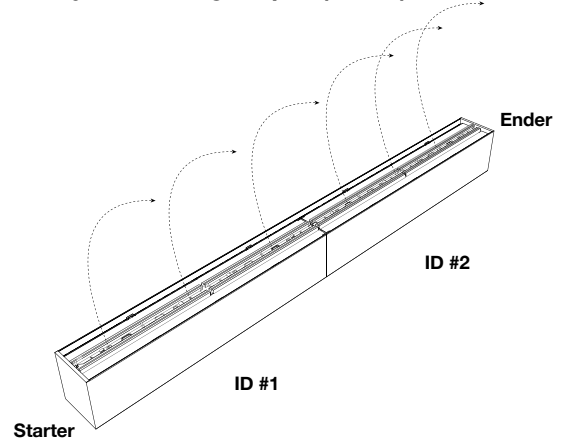
ASYMMETRIC OPTIONS

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 Regressed only

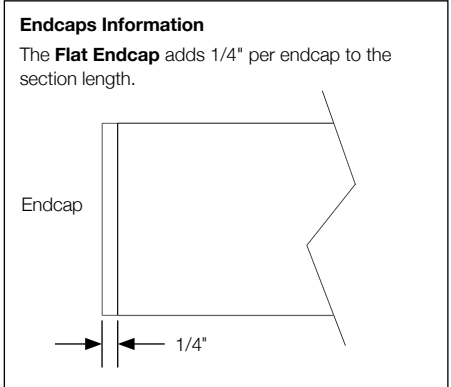
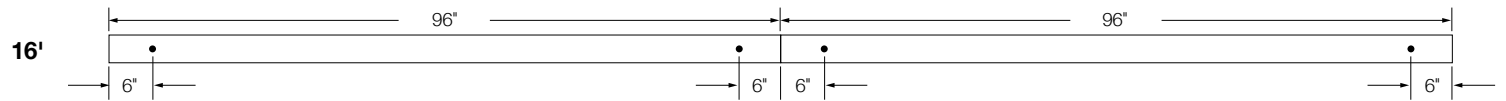
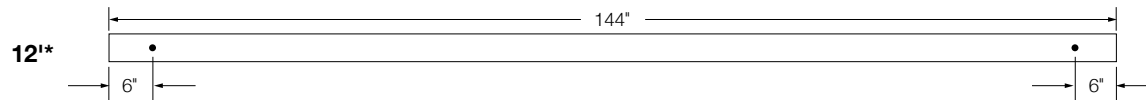
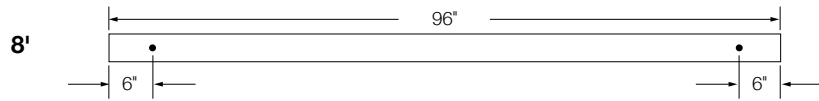
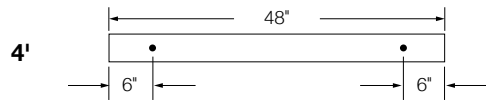
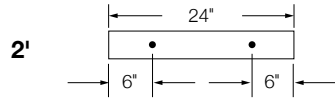
Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

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

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

WALL WASH ARM MOUNT - Run Lengths & Mounting Location Examples

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



• = Bracket Location
* = 12' Maximum spacing for two Arm Mount supports

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

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-WM-ID-4'-V-V-835

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

Distribution: 55% Up (V) / 45% Down (V)

Efficacy: 95 lm/W

Uplight: 3813 lumens (953 lumens/foot)

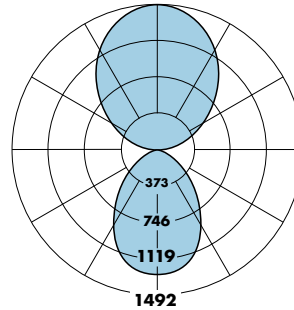
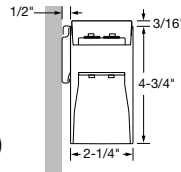
Downlight: 3175 lumens (794 lumens/foot)

Total luminaire output: 6988 lumens (1747 lm/ft)
73.8 watts (18.5 W/ft)

Peak Candela Value: 1492 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85132



| CANDELA DISTRIBUTION | | | | | | |
|----------------------|------|------|------|------|------|------|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | FLUX |
| 0 | 1314 | 1314 | 1314 | 1314 | 1314 | |
| 5 | 1306 | 1307 | 1305 | 1304 | 1304 | 124 |
| 15 | 1241 | 1233 | 1231 | 1225 | 1220 | 346 |
| 25 | 1114 | 1098 | 1089 | 1076 | 1064 | 501 |
| 35 | 942 | 925 | 910 | 887 | 877 | 568 |
| 45 | 749 | 734 | 718 | 693 | 683 | 552 |
| 55 | 553 | 542 | 526 | 506 | 499 | 470 |
| 65 | 368 | 360 | 349 | 337 | 332 | 346 |
| 75 | 203 | 198 | 192 | 187 | 184 | 204 |
| 85 | 60 | 59 | 58 | 57 | 55 | 64 |
| 90 | 0 | 0 | 0 | 0 | 0 | |
| 95 | 71 | 68 | 68 | 69 | 70 | 77 |
| 105 | 244 | 241 | 236 | 235 | 234 | 252 |
| 115 | 442 | 439 | 437 | 427 | 425 | 431 |
| 125 | 661 | 649 | 653 | 643 | 638 | 581 |
| 135 | 884 | 871 | 875 | 866 | 866 | 673 |
| 145 | 1099 | 1084 | 1088 | 1084 | 1077 | 679 |
| 155 | 1283 | 1268 | 1275 | 1269 | 1263 | 585 |
| 165 | 1415 | 1405 | 1408 | 1406 | 1403 | 396 |
| 175 | 1482 | 1482 | 1482 | 1482 | 1481 | 141 |
| 180 | 1492 | 1492 | 1492 | 1492 | 1492 | |

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

| | ↑S ¹ | ↑B ¹ | ↑H ¹ | ↑V ² |
|-----------------|--------------------|--------------------|--------------------|--------------------|
| ↓S ¹ | 2861 [↑55% 45%↓] | 3262 [↑60% 40%↓] | 4265 [↑70% 30%↓] | 5113 [↑75% 25%↓] |
| ↓B ¹ | 3195 [↑49% 51%↓] | 3596 [↑55% 45%↓] | 4600 [↑65% 35%↓] | 5447 [↑70% 30%↓] |
| ↓H ¹ | 4030 [↑39% 61%↓] | 4432 [↑44% 56%↓] | 5435 [↑55% 45%↓] | 6282 [↑61% 39%↓] |
| ↓V ² | 4736 [↑33% 67%↓] | 5137 [↑38% 62%↓] | 6141 [↑48% 52%↓] | 6988 [↑55% 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 |

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: 4265 lm x 0.789 = 3365 lm

Total Light Output per Foot: 1066 lm/ft x 0.789 = 841 lm/ft.

watts/foot: 10.7 W/ft.

$$\text{Efficacy} = \frac{841 \frac{\text{lm}}{\text{ft.}}}{10.7 \frac{\text{W}}{\text{ft.}}} = 79 \text{ lm/W}$$

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: 85132

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

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

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-WM RG-ID-V-V-835-F

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

Distribution: 59% Up (V) / 41% Down (V)

Efficacy: 99 lm/W

Uplight: 4304 lumens (1076 lumens/foot)

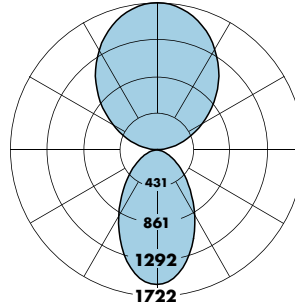
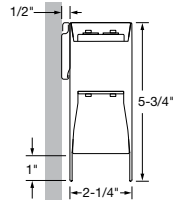
Downlight: 2928 lumens (732 lumens/foot)

Total luminaire output: 7232 lumens (1808 lm/ft)
73.2 watts (18.3 W/ft)

Peak Candela Value: 1722 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 90352



| CANDELA DISTRIBUTION | | | | | | |
|----------------------|------|------|------|------|------|------|
| | 0.0 | 22.5 | 45 | 67.5 | 90 | Flux |
| 0 | 1585 | 1585 | 1585 | 1585 | 1585 | |
| 5 | 1573 | 1571 | 1564 | 1558 | 1556 | 147 |
| 15 | 1492 | 1459 | 1411 | 1364 | 1342 | 396 |
| 25 | 1334 | 1260 | 1157 | 1068 | 1034 | 536 |
| 35 | 1118 | 1013 | 875 | 770 | 730 | 560 |
| 45 | 872 | 758 | 613 | 516 | 483 | 495 |
| 55 | 631 | 517 | 391 | 324 | 303 | 381 |
| 65 | 403 | 307 | 218 | 178 | 173 | 248 |
| 75 | 206 | 138 | 103 | 96 | 94 | 130 |
| 85 | 48 | 30 | 26 | 25 | 24 | 34 |
| 90 | 0 | 0 | 0 | 0 | 0 | |
| 95 | 69 | 69 | 69 | 66 | 64 | 76 |
| 105 | 251 | 250 | 250 | 249 | 247 | 265 |
| 115 | 478 | 474 | 476 | 471 | 470 | 470 |
| 125 | 734 | 726 | 728 | 723 | 721 | 650 |
| 135 | 1000 | 990 | 994 | 990 | 982 | 765 |
| 145 | 1265 | 1245 | 1253 | 1248 | 1238 | 781 |
| 155 | 1482 | 1463 | 1476 | 1467 | 1460 | 676 |
| 165 | 1635 | 1623 | 1630 | 1626 | 1621 | 458 |
| 175 | 1712 | 1711 | 1711 | 1710 | 1709 | 162 |
| 180 | 1722 | 1722 | 1722 | 1722 | 1722 | |

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

| | ↑S ¹ | ↑B ¹ | ↑H ¹ | ↑V ² |
|-----------------|--------------------|--------------------|--------------------|--------------------|
| ↓S ¹ | 2960 (160% 40%↓) | 3414 (165% 35%↓) | 4546 (174% 26%↓) | 5503 (178% 22%↓) |
| ↓B ¹ | 3269 (154% 46%↓) | 3722 (160% 40%↓) | 4854 (169% 31%↓) | 5811 (174% 26%↓) |
| ↓H ¹ | 4039 (144% 56%↓) | 4492 (149% 51%↓) | 5625 (160% 40%↓) | 6581 (165% 35%↓) |
| ↓V ² | 4690 (138% 62%↓) | 5143 (143% 57%↓) | 6276 (153% 47%↓) | 7232 (159% 41%↓) |

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

| | ↑S ¹ | ↑B ¹ | ↑H ¹ | ↑V ² |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| ↓S ¹ | 740 | 853 | 1137 | 1376 |
| ↓B ¹ | 817 | 930 | 1214 | 1453 |
| ↓H ¹ | 1123 | 1406 | 1645 | 1645 |
| ↓V ² | 1172 | 1286 | 1569 | 1808 |

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 | 103 | 105 | 107 | 108 |
| ↓B ¹ | 100 | 102 | 105 | 106 |
| ↓H ¹ | 95 | 97 | 100 | 102 |
| ↓V ² | 92 | 94 | 97 | 99 |

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: 4546 lm x 0.789 = 3587 lm

Total Light Output per Foot: 1137 lm/ft x 0.789 = 897 lm/ft.

watts/foot: 10.6 W/ft.

$$\text{Efficacy} = \frac{897 \frac{\text{lm}}{\text{ft.}}}{10.6 \frac{\text{W}}{\text{ft.}}} = 85 \text{ lm/W}$$

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: 90352

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

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

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-WM-P-ID-V-V-835-F-WSO

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

Distribution: 55% Up (V) / 45% Down (V)

Efficacy: 101 lm/W

Uplight: 4018 lumens (1005 lumens/foot)

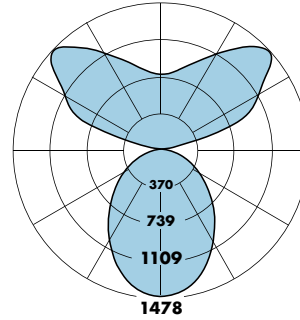
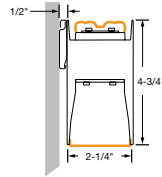
Downlight: 3312 lumens (828 lumens/foot)

Total luminaire output: 7330 lumens (1833 lm/ft)
72.5 watts (18.1 W/ft)

Peak Candela Value: 1457 @ 135°

CRI: 80 / CCT: 3500K

ITL LM79 Report 89456



| CANDELA DISTRIBUTION | | | | | | |
|----------------------|------|------|------|------|------|------|
| | 0.0 | 22.5 | 45 | 67.5 | 90 | Flux |
| 0 | 1461 | 1461 | 1461 | 1461 | 1461 | |
| 5 | 1451 | 1450 | 1448 | 1447 | 1447 | 137 |
| 15 | 1376 | 1362 | 1359 | 1348 | 1342 | 381 |
| 25 | 1224 | 1204 | 1187 | 1165 | 1153 | 545 |
| 35 | 1023 | 998 | 973 | 942 | 929 | 608 |
| 45 | 793 | 773 | 749 | 717 | 705 | 576 |
| 55 | 568 | 557 | 535 | 509 | 499 | 478 |
| 65 | 364 | 356 | 344 | 328 | 322 | 341 |
| 75 | 187 | 186 | 180 | 174 | 170 | 191 |
| 85 | 49 | 49 | 48 | 46 | 45 | 54 |
| 90 | 0 | 0 | 0 | 0 | 0 | |
| 95 | 47 | 83 | 83 | 69 | 68 | 92 |
| 105 | 183 | 258 | 532 | 556 | 458 | 434 |
| 115 | 324 | 409 | 720 | 993 | 1048 | 694 |
| 125 | 460 | 542 | 887 | 1257 | 1299 | 793 |
| 135 | 558 | 634 | 907 | 1299 | 1457 | 741 |
| 145 | 633 | 693 | 885 | 1127 | 1236 | 572 |
| 155 | 694 | 728 | 843 | 963 | 1012 | 393 |
| 165 | 736 | 749 | 793 | 837 | 853 | 226 |
| 175 | 756 | 758 | 763 | 768 | 770 | 73 |
| 180 | 759 | 759 | 759 | 759 | 759 | |

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

| | ↑S ¹ | ↑B ¹ | ↑H ¹ | ↑V ² |
|-----------------|--------------------|--------------------|--------------------|--------------------|
| ↓S ¹ | 3001 (155% 45%↓) | 3424 (160% 40%↓) | 4481 (170% 30%↓) | 5374 (175% 25%↓) |
| ↓B ¹ | 3349 (149% 51%↓) | 3772 (155% 45%↓) | 4830 (165% 35%↓) | 5722 (170% 30%↓) |
| ↓H ¹ | 4221 (139% 61%↓) | 4644 (144% 56%↓) | 5701 (155% 45%↓) | 6594 (161% 39%↓) |
| ↓V ² | 4957 (133% 67%↓) | 5380 (138% 62%↓) | 6437 (148% 52%↓) | 7330 (155% 45%↓) |

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

| | ↑S ¹ | ↑B ¹ | ↑H ¹ | ↑V ² |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| ↓S ¹ | 750 | 856 | 1120 | 1343 |
| ↓B ¹ | 837 | 943 | 1207 | 1431 |
| ↓H ¹ | 1055 | 1161 | 1425 | 1649 |
| ↓V ² | 1239 | 1345 | 1609 | 1833 |

Power, 3500K (Watts Per Foot)

| | ↑S ¹ | ↑B ¹ | ↑H ¹ | ↑V ² |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| ↓S ¹ | 7.1 | 8.1 | 10.5 | 12.6 |
| ↓B ¹ | 8.1 | 9.0 | 11.5 | 13.6 |
| ↓H ¹ | 10.5 | 11.5 | 13.9 | 16.0 |
| ↓V ² | 12.6 | 13.6 | 16.0 | 18.1 |

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

| | ↑S ¹ | ↑B ¹ | ↑H ¹ | ↑V ² |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| ↓S ¹ | 106 | 106 | 107 | 107 |
| ↓B ¹ | 104 | 105 | 105 | 105 |
| ↓H ¹ | 100 | 101 | 102 | 103 |
| ↓V ² | 98 | 99 | 100 | 101 |

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: 4481 lm x 0.789 = 3536 lm

Total Light Output per Foot: 1120 lm/ft x 0.789 = 884 lm/ft.

watts/foot: 10.6 W/ft.

$$\text{Efficacy} = \frac{884 \frac{\text{lm}}{\text{ft.}}}{10.5 \frac{\text{W}}{\text{ft.}}} = 84 \text{ lm/W}$$

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: 89456

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

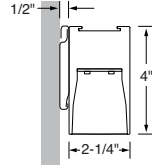
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| Submitted by: | | Date: |
| Type: | Project: | |
| Ordering Info: | | |

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Direct Photometry - 4' Luminaire 3500K

HP2-WM-D-4'-V-835

Downlight: Flush Diffuser



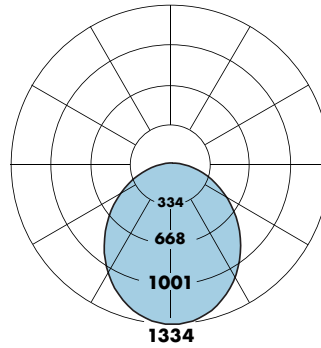
Efficacy: 87 lm/W

Total luminaire output: 3215 lumens (804 lm/ft)
36.9 watts (9.2 W/ft)

Peak Candela Value: 1334 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85136



| CANDELA DISTRIBUTION | | | | | | |
|----------------------|------|-------|------|------|------|------|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | FLUX |
| 0 | 1334 | 13334 | 1334 | 1334 | 1334 | |
| 5 | 1327 | 1326 | 1326 | 1325 | 1324 | 126 |
| 15 | 1236 | 1252 | 1251 | 1244 | 1236 | 352 |
| 25 | 1133 | 1117 | 1109 | 1088 | 1075 | 508 |
| 35 | 958 | 942 | 923 | 896 | 887 | 576 |
| 45 | 762 | 747 | 725 | 697 | 686 | 558 |
| 55 | 563 | 551 | 532 | 509 | 500 | 475 |
| 65 | 374 | 365 | 351 | 337 | 331 | 349 |
| 75 | 206 | 201 | 195 | 188 | 184 | 207 |
| 85 | 62 | 61 | 59 | 57 | 57 | 66 |
| 90 | 0 | 0 | 0 | 0 | 0 | |

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 |

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.

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

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: 85136

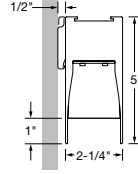
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| Submitted by: | | Date: |
| Type: | Project: | |
| Ordering Info: | | |

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Direct Photometry - 4' Luminaire 3500K

HP2-WM RG-D-V-835

Downlight: Regressed Diffuser



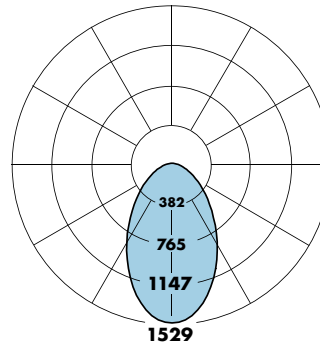
Efficacy: 79 lm/W

Total luminaire output: 2887 lumens (722 lm/ft)
36.7 watts (9.2 W/ft)

Peak Candela Value: 1529 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 90350



| CANDELA DISTRIBUTION | | | | | | |
|----------------------|------|------|------|------|------|------|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | Flux |
| 0 | 1529 | 1529 | 1529 | 1529 | 1529 | |
| 5 | 1520 | 1518 | 1513 | 1507 | 1504 | 143 |
| 15 | 1443 | 1412 | 1370 | 1327 | 1309 | 385 |
| 25 | 1293 | 1224 | 1131 | 1049 | 1017 | 523 |
| 35 | 1086 | 993 | 862 | 757 | 722 | 550 |
| 45 | 855 | 749 | 608 | 511 | 482 | 490 |
| 55 | 624 | 516 | 392 | 322 | 305 | 380 |
| 65 | 212 | 141 | 103 | 95 | 94 | 131 |
| 75 | 212 | 141 | 103 | 95 | 94 | 131 |
| 85 | 57 | 32 | 28 | 26 | 26 | 36 |
| 90 | 0 | 0 | 0 | 0 | 0 | |

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 1182 | 1486 | 2245 | 2887 |

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 295 | 371 | 561 | 722 |

Power, 3500K (Watts Per Foot)

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 3.6 | 4.6 | 7.0 | 9.2 |

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 82 | 81 | 80 | 79 |

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: 2245 lm x 0.789 = 1771 lm

Total Light Output per Foot: 561 lm/ft x 0.789 = 443 lm/ft.

watts/foot: 7.1 W/ft.

$$\text{Efficacy} = \frac{443 \frac{\text{lm}}{\text{ft}}}{7.0 \frac{\text{W}}{\text{ft}}} = 63 \text{ lm/W}$$

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: 90350

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

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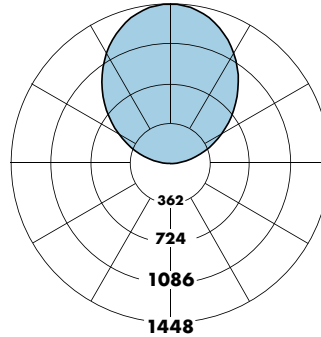
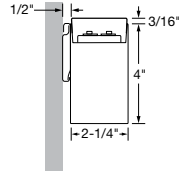
| | | |
|----------------|----------|-------|
| Submitted by: | | Date: |
| Type: | Project: | |
| Ordering Info: | | |

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Indirect Photometry - 4' Luminaire 3500K

HP2-WM I-V-835-F

Uplight: Flush Diffuser



| CANDELA DISTRIBUTION | | | | | | |
|----------------------|------|------|------|------|------|------|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | Flux |
| 90 | 0 | 0 | 0 | 0 | 0 | |
| 95 | 72 | 73 | 73 | 72 | 72 | 80 |
| 105 | 245 | 243 | 240 | 236 | 237 | 254 |
| 115 | 439 | 436 | 433 | 424 | 422 | 427 |
| 125 | 651 | 644 | 642 | 633 | 632 | 573 |
| 135 | 868 | 856 | 859 | 849 | 846 | 660 |
| 145 | 1074 | 1061 | 1062 | 1056 | 1051 | 663 |
| 155 | 1249 | 1235 | 1241 | 1235 | 1229 | 570 |
| 165 | 1374 | 1366 | 1370 | 1367 | 1365 | 386 |
| 175 | 1439 | 1439 | 1439 | 1439 | 1439 | 136 |
| 180 | 1448 | 1448 | 1448 | 1448 | 1448 | |

Efficacy: 102 lm/W

Total luminaire output: 3749 lumens (937 lm/ft)
36.7 watts (9.2 W/ft)

Peak Candela Value: 1448 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85134

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 1535 | 1929 | 2916 | 3749 |

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 384 | 482 | 729 | 937 |

Power, 3500K (Watts Per Foot)

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 3.6 | 4.6 | 7.0 | 9.2 |

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 107 | 106 | 104 | 102 |

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: 2916 lm x 0.789 = 2301 lm

Total Light Output per Foot: 729 lm/ft x 0.789 = 575 lm/ft.

watts/foot: 7.0 W/ft.

$$\text{Efficacy} = \frac{575 \frac{\text{lm}}{\text{ft.}}}{7.0 \frac{\text{W}}{\text{ft.}}} = 82 \text{ lm/W}$$

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: 85134

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

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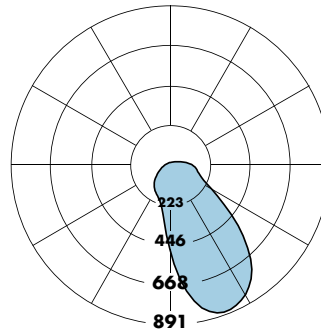
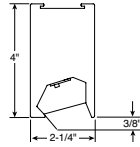
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|----------------|----------|-------|
| Submitted by: | | Date: |
| Type: | Project: | |
| Ordering Info: | | |

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Wall Wash Direct Photometry - 4' Luminaire 3500K

HP2-AM-WW-D-K-V-835

Downlight: With Kicker



| CANDELA DISTRIBUTION | | | | | | |
|----------------------|-----|------|------|------|------|------|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | FLUX |
| 0 | 485 | 485 | 485 | 485 | 485 | |
| 5 | 652 | 606 | 483 | 378 | 342 | 47 |
| 15 | 863 | 790 | 470 | 251 | 219 | 145 |
| 25 | 882 | 829 | 442 | 201 | 184 | 231 |
| 35 | 795 | 764 | 397 | 168 | 152 | 282 |
| 45 | 581 | 629 | 333 | 133 | 105 | 277 |
| 55 | 326 | 436 | 251 | 86 | 62 | 217 |
| 65 | 196 | 250 | 167 | 43 | 24 | 144 |
| 75 | 158 | 145 | 88 | 7 | 0 | 87 |
| 85 | 124 | 97 | 24 | 0 | 0 | 50 |
| 90 | 93 | 68 | 0 | 0 | 0 | |

Efficacy: 77 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 |

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.

$$\text{Efficacy} = \frac{230 \frac{\text{lm}}{\text{ft}}}{3.8 \frac{\text{W}}{\text{ft}}} = 60.5 \text{ lm/W}$$

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: 85137

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

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

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

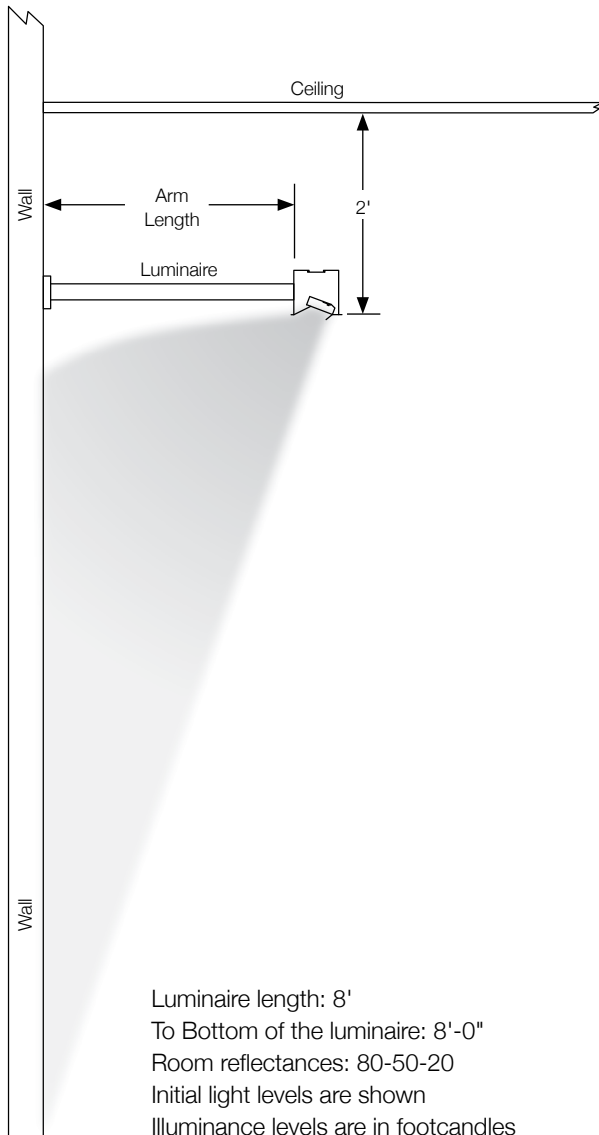
Wall Wash Arm Mount Direct - Setback Info and Application Data

HP2-AM-WW-D-K-4'-B-835

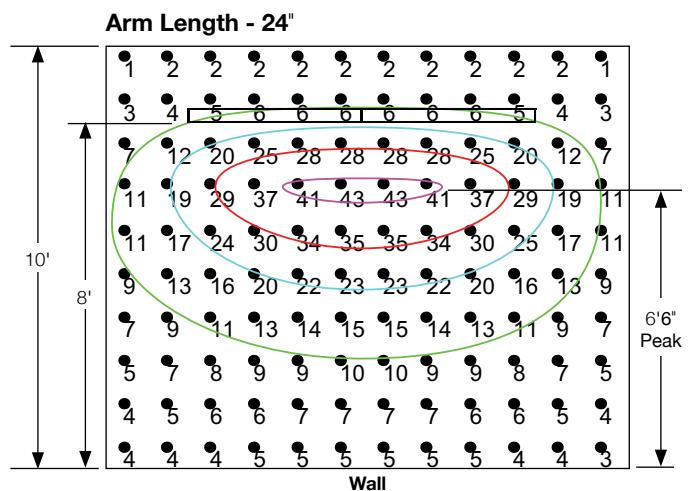
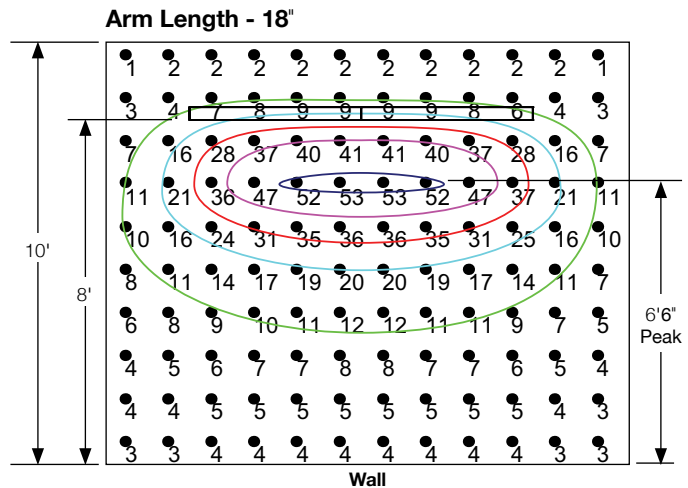
Downlight: With Kicker

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 are in 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) | | | | | | | | ✓ | | ✓ | | ✓ |

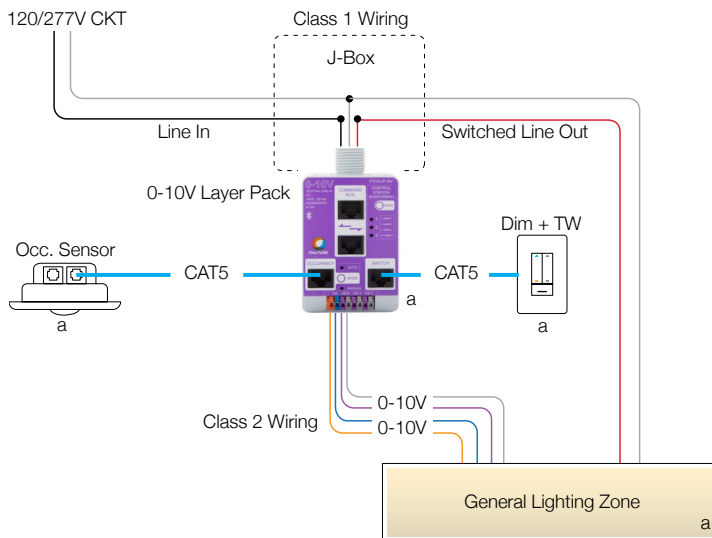
PHOTOMETRY

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%



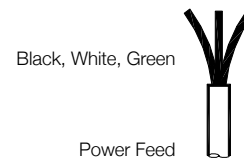
Luminaire Wiring

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

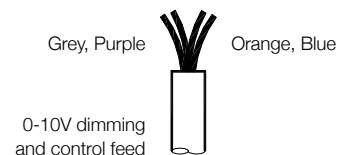
Note:

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 |

