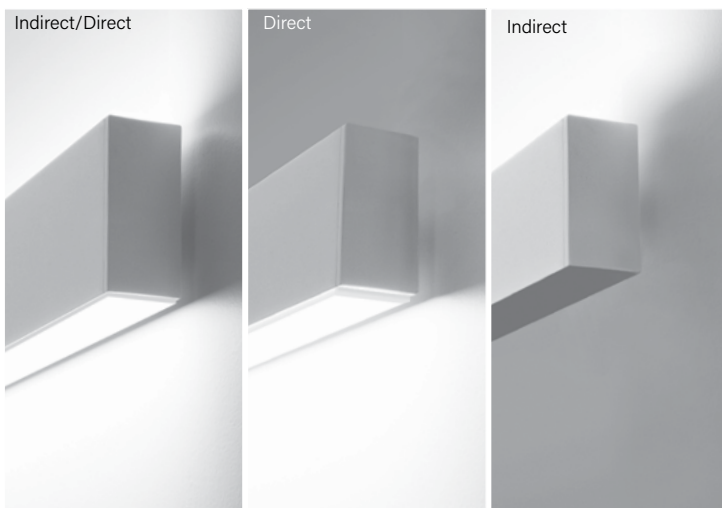


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 2" Aperture (HP-2) Wall Mount



Indigo-Clean Technology is a Continuous Environmental Disinfection System that emits a narrow spectrum light that kills bacteria, Influenza-A<sup>1</sup>, and SARS-CoV-2 – the virus that causes COVID-19<sup>1</sup> – and is proven effective by recently conducted independent lab testing. Unlike UV disinfection, Indigo-Clean Technology is designed to safely and continuously disinfect a space while it is fully occupied.

**Single-Mode Indigo-Clean Technology** utilizes a combination of blended white LEDs and 405nm LEDs on a single circuit board design. When the luminaires are on, the disinfection is active.

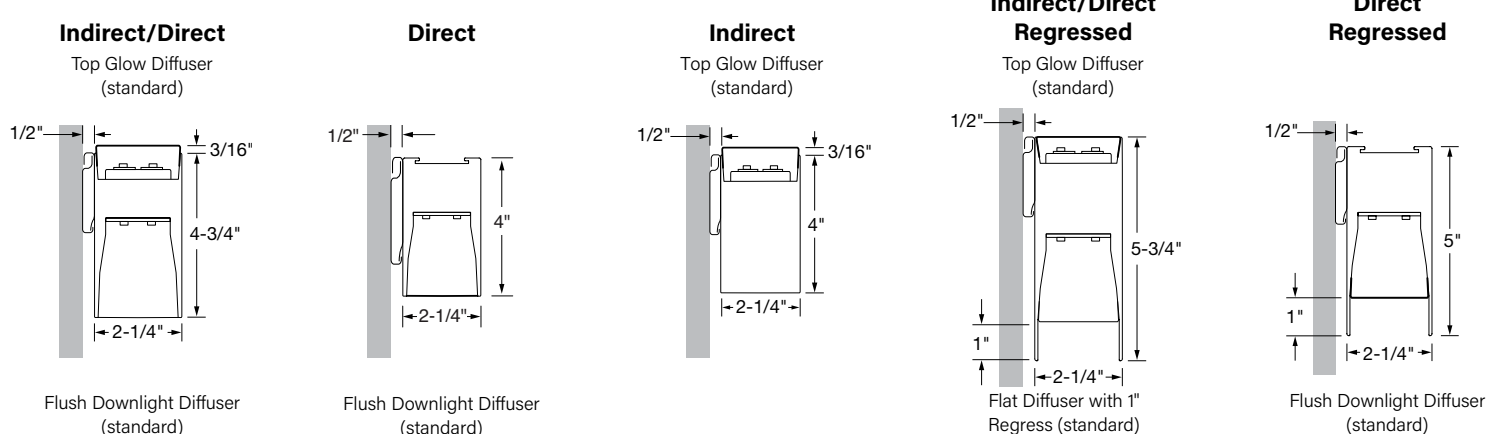
**Dual-Mode Indigo-Clean Technology** utilizes a mid-power of blended white LEDs and 405nm LEDs on a two circuit board design and full 405nm indigo light using automated controls to disinfect the space. When the space is unoccupied, it utilizes just the 405nm LEDs with increased output to increase disinfection efficacy.

These products are enrolled in the International Living Future Institute (ILFI). Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

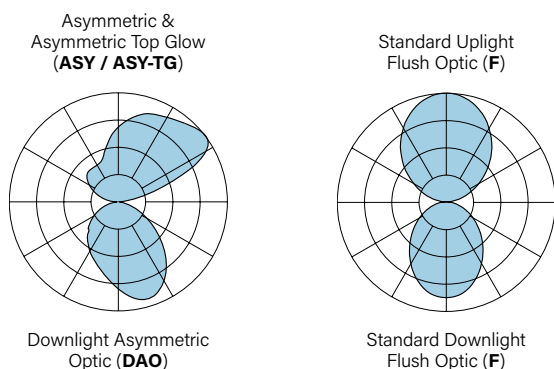
Signal White is standard finish

**Note:** see page 6 for all aesthetic options

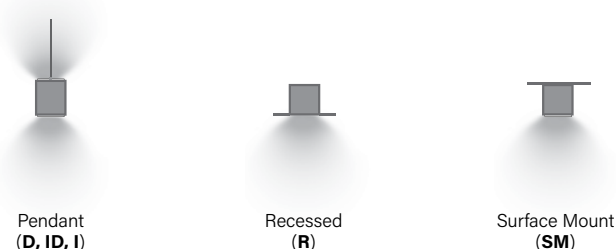
## CROSS SECTIONS



## OPTIC OPTIONS



## ALSO AVAILABLE IN



**Declare.**



<sup>1</sup> Indigo-Clean Research Reports

Indigo-Clean is a registered trademark of Kenall Manufacturing Co., a Legrand Company

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Type:	Project:	
Ordering Info:		

# High Performance 2" Aperture (HP-2) Wall Mount

**Ordering Guide Example:** HP - 2 - WM - ID - 36" - H - H - 837 - F - BG - 96LG - 120 - DC - FC-10% - MB - C1 - FE - SW - LGD18W - OBO - RLD

## BODY TYPE

## OUTPUT AND LED TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Uplight Output ID & I Only (Flush)	Downlight Output ID & D Only (Flush)
HP - High Performance	2	WM - Wall Mount WM RG - Wall Mount Regressed <sup>1</sup>	D - Direct ID - Indirect/Direct I - Indirect	Minimum 3' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.	H - High (770 lm/ft) V - Very High (925 lm/ft) TL - Tailored: _____lm/ft*	H - High (593 lm/ft) V - Very High (770 lm/ft) TL - Tailored: _____lm/ft*

\* Specify lm/ft of outputs between Standard (S) and Very High (V). Consult factory for tailored lumen output outside of this range.

## OUTPUT AND LED TYPE

## MECHANICAL/OPTICAL OPTIONS

LED CRI/CCT	Uplight	Downlight	Reflector System
832-SMIC - 80 CRI, 3200K Single Mode Indigo-Clean 837-SMIC - 80 CRI, 3700K Single Mode Indigo-Clean 843-SMIC - 80 CRI, 4300K Single Mode Indigo-Clean 832-DMIC - 80 CRI, 3200K Dual Mode Indigo-Clean 837-DMIC - 80 CRI, 3700K Dual Mode Indigo-Clean 843-DMIC - 80 CRI, 4300K Dual Mode Indigo-Clean	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) BG - Bottom Glow DL - 1" Drop Down Lens <sup>1</sup> RG-D - Flat Diffuser with 1" Regress <sup>1</sup> RG-WCB - White Cross Blade Baffle <sup>1</sup> RG-LHE - Hollowed Ellipse Louver <sup>1</sup> RG-LHC - Hex Louver <sup>1</sup> DAO-L - Downlight Asymmetric Optic Left <sup>2</sup> DAO-R - Downlight Asymmetric Optic Right <sup>2</sup>	96LG - 96 Low Gloss White

## ELECTRICAL OPTIONS

## MOUNTING OPTIONS

Voltage	Circuiting <sup>3</sup>	Driver Selection	Mounting Method
120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage (OTI only)	SC - Single Circuit* One single circuit in a run DC - Dual Circuit* <sup>4</sup> 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% (standard) FC-1% - 0-10V 1% OTI-10% - EldoLED OTi, 0-10V 10% <sup>5</sup> OTI-1% - EldoLED OTi, 0-10V 1% <sup>5</sup> ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1%  DALI Driver Options FC-DALI-1% - DALI 1% DXL-DALI-1% - EldoLED Dexal, 1% ELD-DALI-0% - EldoLED SOLOdrive, 0.1%  DMX Driver Options ELD-DMX - EldoLED POWERdrive, 0.1%  Lutron Driver Options LUT-ES1 - Lutron, Ecosystem 1%  See Page 3 for additional driver options and detail	MB - Mounting Bracket <sup>6</sup>

## OTHER OPTIONS

Endcap Style	Finish	Emergency Style (Optional) See page 5 Backup Battery table
FE - Flat Endcap (standard) DE - 1" Drop Endcap <sup>7</sup> OE - Open Endcap <sup>8</sup>	SW - Signal White (standard) FB - Finelite Black SA - Satin Aluminum #### - RAL Color Code <sup>9</sup> _____	LGD18W - Legrand 18W Brand Battery Back-up LDG10W - Legrand 10W Brand Battery Back-up EM/GEN - Emergency to Generator NL - Night Light  BSL310LP - Bodine Battery Back up Low Profile BSL310LP - Bodine Battery Back up Low Profile Compact GTD - Generator Transfer Device ALCR - Automatic Load Control Relay

## OTHER OPTIONS

Integrated Sensor (Optional) <sup>10</sup>	Special Options (Optional)
OBO - Occupancy (Not available for Indirect) OBD - Daylight W601 - Wattstopper Wireless Sensor <sup>11</sup> OBE - Enlighted <sup>12</sup> REE - Remote Enlighted <sup>13</sup> CLM - Encelium RF SLM - Encelium Sensor	AOCC-W - Lutron Athena Sensor (Device Color White) <sup>14</sup> AOCC-B - Lutron Athena Sensor (Device Color Black) <sup>14</sup> ARF-W - Lutron Athena RF (Device Color White) <sup>14</sup> ARF-B - Lutron Athena RF (Device Color Black) <sup>14</sup> VOCC - Lutron Vive Sensor <sup>15</sup> VRF - Lutron Vive RF <sup>15</sup>  RLA - Red List Approved RLD - Red List Declared

<sup>1</sup> Regressed only

<sup>2</sup> Not available for Regressed

<sup>3</sup> Contact factory for switching options

<sup>4</sup> Indirect/Direct only

<sup>5</sup> Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO). Not available with Dual-Mode.

<sup>6</sup> Wall Mount only

<sup>7</sup> 1" Drop Down Lens downlight only

<sup>8</sup> Available with Hollowed Ellipse Louver (LHE) only

<sup>9</sup> 20 business days lead time for color

<sup>10</sup> Minimum fixture length: Direct and Indirect with a sensor is 3ft. Indirect/Direct with a sensor is 4ft.

<sup>11</sup> LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected.

<sup>12</sup> LMFS-601 w/ Dali driver, only 1 driver can be connected.

<sup>13</sup> Enlighted components installed by Finelite, provided by others

<sup>14</sup> Enlighted Control Unit & Sensor Cable installed for Remote mounting sensor

<sup>15</sup> 0-10V Drivers - AOCC up to 10 drivers may be connected; ARF up to 40 drivers may be connected

DALI Drivers - AOCC & ARF up to 4 drivers can be connected.

<sup>16</sup> Lutron Vive Ingraded Sensors require a DALI driver. Not available for Indirect.

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

# High Performance 2" Aperture (HP-2) Wall Mount

## SUPPLEMENTARY DRIVER PAGE

### 0-10V Driver Options

<b>FC-10%</b>	Factory Choice, 0-10V 10% Dimming (Linear)
<b>FC-10%-DTO</b>	Factory Choice, 0-10V 10% Dimming, Dim-to-Off (Linear)
<b>FC-1%</b>	Factory Choice, 0-10V 1% Dimming (Linear)
<b>FC-1%-DTO</b>	Factory Choice, 0-10V 1% Dimming, Dim-to-Off (Linear)
<b>ELD-10V-0%</b>	EldoLED SOLOdrive, 0-10V 0.1% Dimming (Linear)
<b>ELD-10V-1%</b>	EldoLED ECOdrive, 0-10V 1% Dimming (Linear)
<b>OTi-10%</b>	EldoLED OTi, 0-10V 10% Dimming (Linear)
<b>OTi-10%-DTO</b>	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off (Linear)
<b>OTi-1%</b>	EldoLED OTi, 0-10V 1% Dimming (Linear)
<b>OTi-1%-DTO</b>	EldoLED OTi, 0-10V 1% Dimming, Dim-to-Off (Linear)

### DALI Driver Options

<b>FC-DALI-1%</b>	Factory Choice, DALI 1% Dimming (Logarithmic)
<b>DXL-DALI-1%</b>	EldoLED Dexal, DALI 1% Dimming (Logarithmic)
<b>ELD-DALI-0%</b>	EldoLED SOLOdrive, DALI 0.1% Dimming (Logarithmic)
<b>ELD-DALI-1%</b>	EldoLED ECOdrive, DALI 1% Dimming (Logarithmic)

### DMX Driver Options

<b>ELD-DMX</b>	EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) (Linear)
<b>ELD-DMX-16</b>	EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) (Linear)

### Lutron Driver Options

<b>LUT-ES1</b>	Lutron, Ecosystem 1% Dimming
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Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 2" Aperture (HP-2) Wall Mount

## SPECIFICATIONS

### BODY TYPE

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

**LENGTHS:** Any length, 3' minimum, in increments down to 1/16th" ( $\pm 1/32"$ ). 12' maximum section length. Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**), and White Cross Blade Baffle (**WCB**) are available in 1' increments.

**MITERED CORNERS:** 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<sup>1</sup>, Regressed Diffuser, or White Cross Blade Baffle<sup>2</sup>, 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:** Two lumen packages available, High (**H**), and Very High (**V**). Minimum 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 High (**H**) to Very High (**V**), consult factory. Light engines are replaceable.

**INDIGO-CLEAN TECHNOLOGY:** Indigo-Clean Technology utilizes a combination of blended white LEDs, and safe 405nm LEDs to continually disinfect a space and kill bacteria, Influenza-A<sup>3</sup>, and SARS-CoV-2 – the virus that causes COVID-19<sup>3</sup>. Unlike UV disinfection, Indigo-Clean Technology is designed to safely and continuously disinfect a space while it is fully occupied. When the Indigo-Clean Technology light is on, disinfection is active. For optimum performance, continuously provide an average of 50-60 footcandles on the work plane and high touch surfaces (24/7). Dimming generally reduces effectiveness and increases the variation in the disinfecting light's visual appearance.

**Dual-Mode Indigo-Clean Technology Controller:** It is a low-voltage internal device that determines the operational mode based on the input received from the external automated controls. An Off manual push will not turn the lights off, but rather turn the lights to Blue Mode. Please refer to Dual-Mode Application Guide for wiring diagram.

### MECHANICAL/OPTICAL OPTIONS

**UPLIGHT OPTION<sup>4</sup>:** 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 OPTION<sup>5</sup>:** 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**)<sup>6</sup>, Hollowed Ellipse Louver (**LHE**)<sup>6</sup>, Hex Louver (**LHC**)<sup>6</sup>, Downlight Asymmetric Optic (**DAO**)<sup>7</sup>, 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. Downlight Asymmetric Optic is an extruded lenses with a subtle ribbed appearance providing asymmetric distribution for improved optical performance. Consult factory for more tailored lumen outputs.

**LUMEN MAINTENANCE:** White LEDs: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (L70) at 200,000+ hours. 405nm LEDs: 70% of initial output at L70 @ 60,000 hours.

**REFLECTORS:** Die-formed 20-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white power coat paint.

### 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.

**Single-Mode Indigo-Clean Technology:** Continuous environmental disinfection system that uses a blended white LEDs and 405nm Indigo-Clean LEDs. The narrow spectrum light provides a safe visible light that disinfects the space. When the light is on, disinfection is active.

**Dual-Mode Indigo-Clean Technology:** Utilizes a two circuit board design. When the space is occupied it utilizes a combination of blended white LEDs and 405nm LEDs. When the space is unoccupied, it utilizes just the 405nm LEDs with increased output to increase disinfection efficacy. Dim to Off not available.

<sup>1</sup> Indirect/Direct and Direct only

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

<sup>3</sup> Indigo-Clean Research Reports

<sup>4</sup> Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, and Wall Mount Indirect only

<sup>5</sup> Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, Wall Mount Direct, and Wall Mount Regressed Direct only

<sup>6</sup> Wall Mount Regressed Indirect/Direct & Wall Mount Regressed Direct only

<sup>7</sup> Not available with Regressed

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

# High Performance 2" Aperture (HP-2) Wall Mount

## SPECIFICATIONS

**STATIC WHITE DRIVER:** Replaceable 120V, 277V, and 347V Constant Current Reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 10%- 100% standard. Dimming to 1% available. Separate dimming for uplight and downlight available. Driver is fully accessible from below the ceiling.

- **Power Factor:** ≥ 0.9
- **Total Harmonic Distortion (THD):** <20%
- **Expected driver lifetime:** 100,000 hours

### LUTRON DRIVER OPTIONS:

**LUT-ES1** - Hi-lume 1% EcoSystem with Soft-On, Fade-to- Black dimming (LDE1 series).

## 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.

## OTHER OPTIONS

**ENDCAPS:** Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire. 1" Drop Down Lens Endcap (**DE**)<sup>8</sup> 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.

Backup Battery		
	Legrand 18W	Legrand 10W / Bodine BSL310LP
<b>HP2-WM-D</b>		
<b>Min. Housing Length</b>	8'*	4' *, **
<b>EM Lumen Output</b>	1560	929
<b>EM Section Illum.</b>	2'	2' or 4'
<b>HP2-WM-ID</b>		
<b>Min. Housing Length</b>	12'	8'
<b>EM Lumen Output</b>	1560	929
<b>EM Section Illum.</b>	2'	2' or 4'
<b>HP2-WM-I</b>		
<b>Min. Housing Length</b>	8'*	4'*
<b>EM Lumen Output</b>	1874	956
<b>EM Section Illum.</b>	2'	2' or 4'

Based on 3700K and 80-CRI.

\* Minimum fixture housing length for battery pack approved without sensor. \*\* Exception: 5' not available, 6' okay. The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 9.

Bodine GTD and Legrand ALCR Min. Length	
Configuration	Min Length
Generator	D-4'; I-4'; ID-6'
Generator + OCC	D-6'; I-6'; ID-8'
Day	D-4'; I-4'; ID-6'
Generator + Day	D-6'; I-6'; ID-8'

**INTEGRATED SENSORS:** Integrated PIR (Passive Infrared) Occupancy (**OBO**) or Daylight Sensors (**OBD**) available with Flush and Bottom Glow downlight diffusers. PIR sensors not recommended for stairwell applications. Refer to Occupancy Sensor & Daylight Sensor tech sheet and the Embedded Intelligence landing page for more information and additional sensor options. Minimum fixture length with a sensor is 3ft. The default location for the Connected Lighting Module (**CLM**) will be on the topline of the fixture for all mounting types except for Surface Mount (**SM**). In SM fixtures the CLM will be located on the direct side of fixture housed in a bracket that is flush with the direct lens.

**PATENT:** Indigo-Clean products and technology covered by U.S. Patent No.US 9,039,966 and US 8,398,264. Product may also be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents).

**FINISHES:** Finelite Signal White (**SW**) powder coat, Finelite Black (RAL 9005) with semi gloss fine texture (**FB**), and Satin Aluminum (**SA**) are standard. Optional Adder: 179 RAL colors<sup>9</sup> 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. EPA Est.No. 99530-CA-1, -2, -3. These fixtures are rated for Damp Location. IC Rated. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2015/863. Consult factory for tailored lighting options. Finelite makes the specification process easy when putting healthier products on your projects. Simply add – **RLA** (Red List Approved) or – **RLD** (Red List Declared) to your part number.

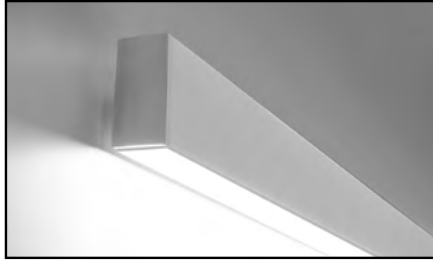
**WEIGHT**<sup>10</sup>: ID - 2.9 lb/ft; D - 2.3 lb/ft; I - 2.3 lb/ft; AM - 2.9 lb/ft (luminaire only)

**WARRANTY:** 5-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

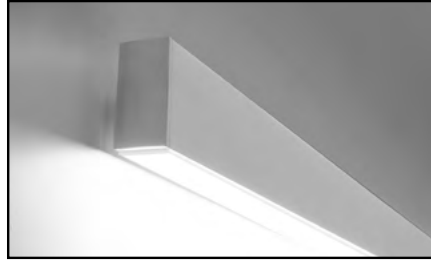
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Type:	Project:	
Ordering Info:		

# High Performance 2" Aperture (HP-2) Wall Mount

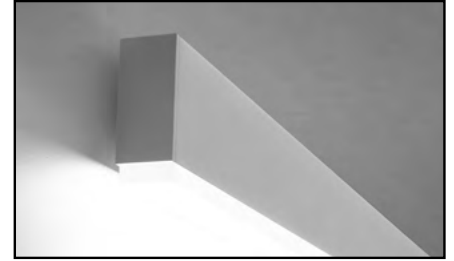
## AESTHETIC OPTIONS



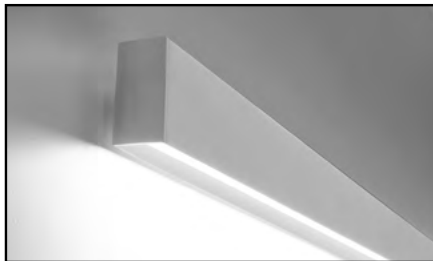
Flush Diffuser (**F**)



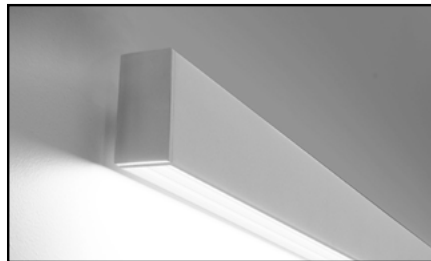
Bottom Glow Diffuser (**BG**)



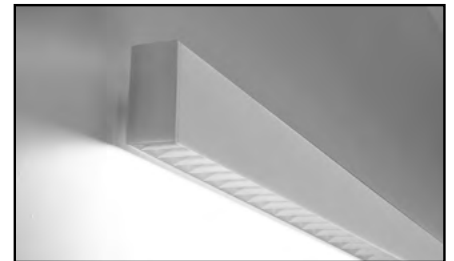
1" Drop Down Lens (**DL**)



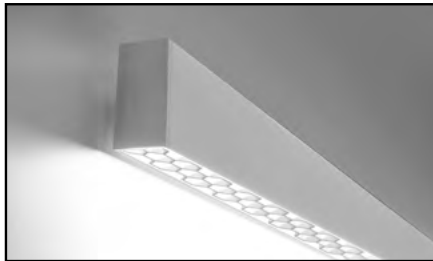
Flat Diffuser with 1" Regressed (**RG-D**)



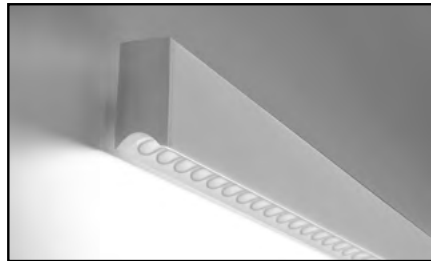
Downlight Asymmetric Optic¹ (**DAO**)  
Externally flush



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



Hex Louver² (**RG-LHC**)



Hollowed Ellipse Louver² (**RG-LHE**)

¹ With a subtle ribbed appearance providing an asymmetric distribution

² Regressed only

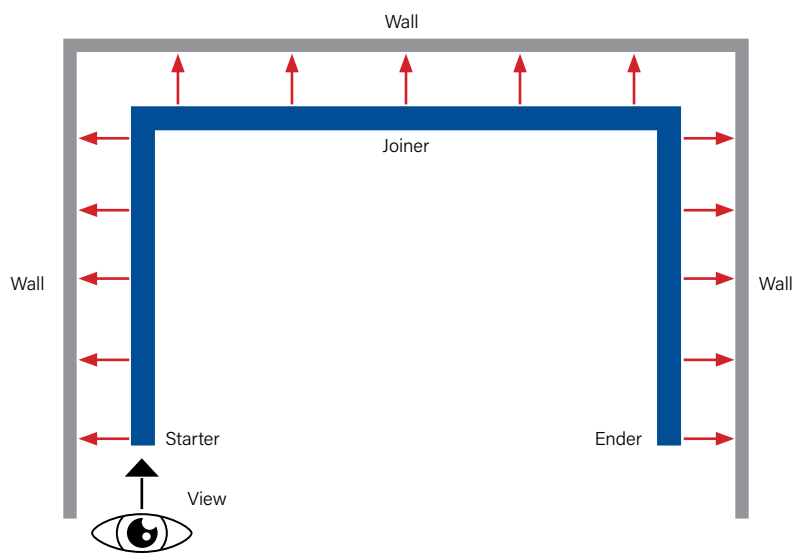
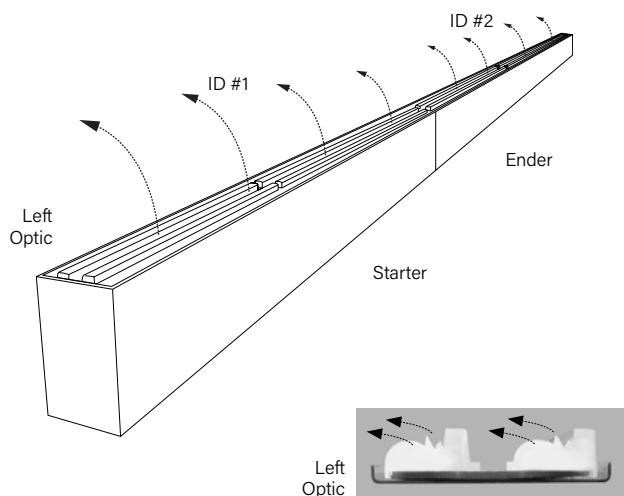
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# High Performance 2" Aperture (HP-2) Wall Mount

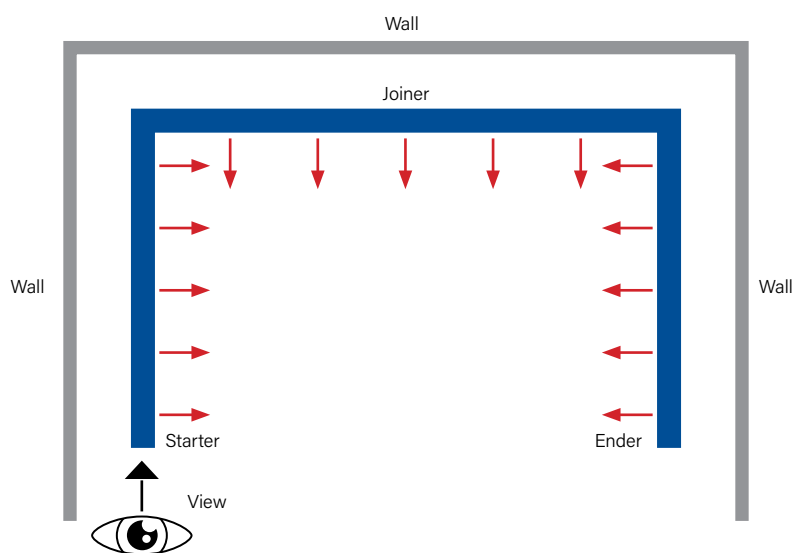
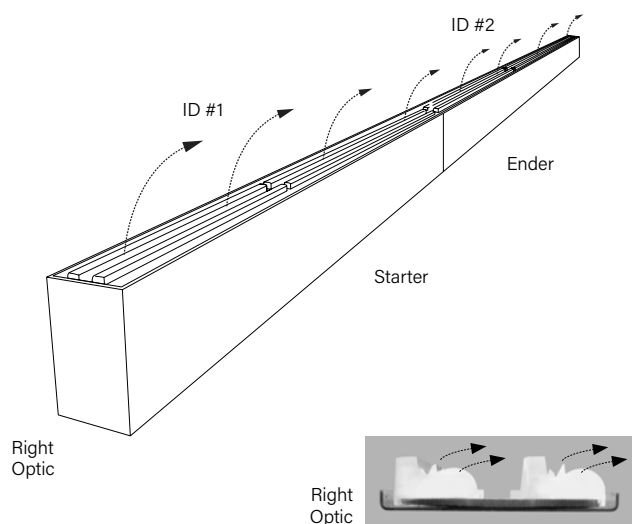
## ASYMMETRIC OPTIONS

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

### Asymmetric Left Optic (ASY-L)



### Asymmetric Right Optic (ASY-R)





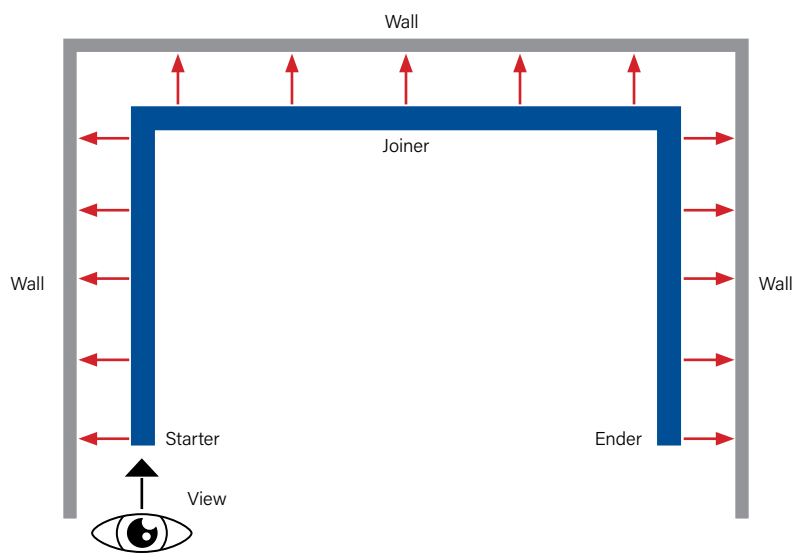
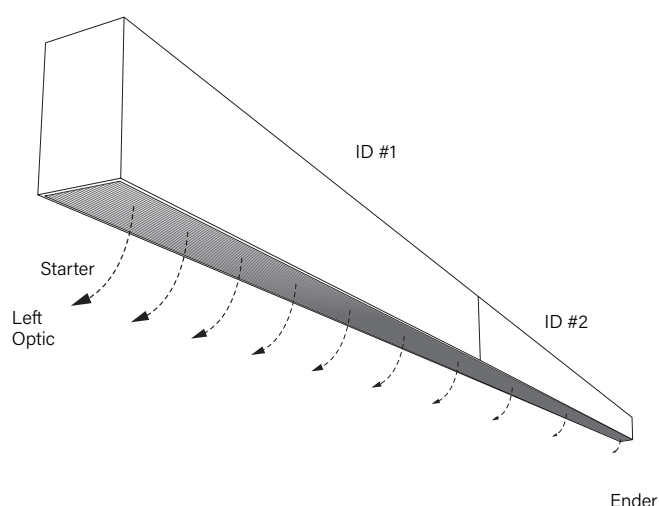
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 2" Aperture (HP-2) Wall Mount

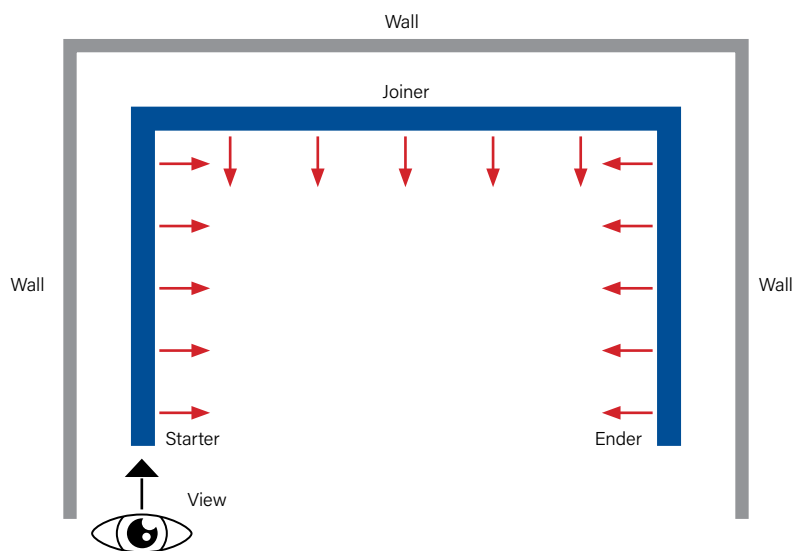
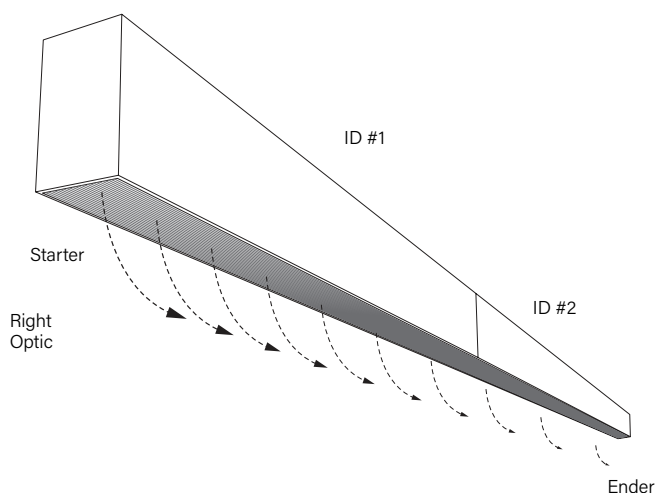
## DOWNLIGHT ASYMMETRIC OPTIONS

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

### Downlight Asymmetric Optic Left (DAO-L)



### Downlight Asymmetric Optic Right (DAO-R)



## PREINSTALLED LABEL



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



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

# High Performance 2" Aperture (HP-2) Wall Mount

## Indirect/Direct Photometry - 4' Luminaire 3500K

HP-2-P-ID-4'-V-V-837-SMIC-WSO-DSO

**Uplight:** Widespread Optic

**Downlight:** Downlight Spread Optic

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

**Efficacy:** 101 lm/W

**Uplight:** 3897 lumens (974 lumens/foot)

**Downlight:** 3175 lumens (794 lumens/foot)

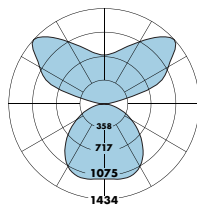
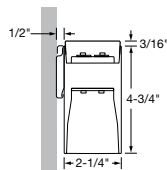
**Total luminaire output:** 7072 lumens (1768 lm/ft)

70 watts (17.5 W/ft)

**Peak Candela Value:** 1161 @ 15°

CRI: 80 / CCT: 3700K

ITL LM79 Report 89456 and 94139 (Family Correlated)



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1131	1131	1131	1131	1131	
5	1123	1124	1129	1134	1136	108
15	1060	1170	1116	1151	1161	314
25	942	972	1063	1121	1135	483
35	790	840	954	1005	1011	577
45	625	682	790	817	811	579
55	461	509	590	598	590	497
65	305	338	386	385	375	359
75	166	179	202	197	191	201
85	49	50	51	49	47	57
90	0	0	0	0	0	
95	46	81	81	67	66	89
105	178	250	516	539	444	421
115	314	397	698	963	1017	673
125	446	526	880	1219	1260	769
135	541	615	880	1260	1413	719
145	614	672	858	1093	1199	555
155	673	706	818	934	982	381
165	714	727	769	812	827	219
175	733	735	740	745	747	71
180	736	736	736	736	736	

## Indirect/Direct Photometry - 4' Luminaire 3500K

HP-2-P-ID-4'-V-V-837-SMIC-F-F

**Uplight:** Flush Diffuser

**Downlight:** Flush Diffuser

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

**Efficacy:** 92 lm/W

**Uplight:** 3699 lumens (925 lumens/foot)

**Downlight:** 3080 lumens (770 lumens/foot)

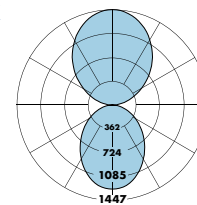
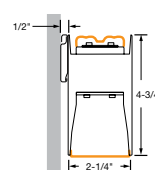
**Total luminaire output:** 6779 lumens (1695 lm/ft)

73.8 watts (18.5 W/ft)

**Peak Candela Value:** 1447 @ 180°

CRI: 80 / CCT: 3700K

ITL LM79 Report 85132 (Family Correlated)



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1275	1275	1275	1275	1275	
5	1267	1268	1266	1265	1265	120
15	1204	1196	1194	1188	1183	336
25	1081	1065	1056	1044	1032	486
35	914	897	883	860	851	551
45	727	712	696	672	663	535
55	536	526	510	491	484	456
65	357	349	339	327	322	336
75	197	192	186	181	178	198
85	58	57	56	55	53	62
90	0	0	0	0	0	
95	69	66	66	67	68	75
105	237	234	229	228	227	245
115	429	426	424	414	412	418
125	641	630	633	624	619	563
135	858	845	849	840	840	652
145	1066	1052	1055	1052	1045	658
155	1245	1230	1237	1231	1225	567
165	1373	1363	1366	1364	1361	385
175	1438	1438	1438	1438	1437	136
180	1447	1447	1447	1447	1447	

Information in chart below is for reference and based on ITL LM79 report 89456 and 94139 (Family Correlated)

### Total Light Output, 3700K, 80 CRI (Lumens) - 4' Luminaire

	↑H ↑	↑V
↓H ↑	5500 [↑55%   45%↓]	6366 [↑61%   39%↓]
↓V	6206 [↑49%   51%↓]	7072 [↑55%   45%↓]

### Light Output, 3700K, 80 CRI (Lumens Per Foot)

	↑H ↑	↑V
↓H ↑	1375	1592
↓V	1552	1768

### Single Mode Power, 3700K (Watts Per Foot)

	↑H ↑	↑V
↓H ↑	13.4	15.5
↓V	15.5	17.5

### Dual Mode Power, 3700K (Watts Per Foot)

↑H ↑				↑V		
Status	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied
↓H ↑	13.8	10.7	8.2	15.9	12.4	9.4
↓V	15.9	12.4	9.4	18.0	14.0	10.5

### Efficacy, 3700K, 80 CRI (Lumens Per Watt)

	↑H ↑	↑V
↓H ↑	102	103
↓V	100	101

1 Family Correlation based on 4' luminaire 3700K Very High Output (V) test - 120V.  
H - High Output, V - Very High Output

Information in chart below is for reference and based on ITL LM79 report 85132

### Total Light Output, 3700K, 80 CRI (Lumens) - 4' Luminaire

	↑H ↑	↑V
↓H ↑	5273 (↑55%   45%↓)	6095 (↑61%   39%↓)
↓V	5957 (↑48%   52%↓)	6779 (↑55%   45%↓)

### Light Output, 3700K, 80 CRI (Lumens Per Foot)

	↑H ↑	↑V
↓H ↑	1318	1524
↓V	1489	1695

### Single Mode Power, 3700K (Watts Per Foot)

	↑H ↑	↑V
↓H ↑	13.4	15.5
↓V	15.5	17.5

### Dual Mode Power, 3700K (Watts Per Foot)

↑H ↑				↑V		
Status	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied
↓H ↑	13.8	10.7	8.2	15.9	12.4	9.4
↓V	15.9	12.4	9.4	18.0	14.0	10.5

### Efficacy, 3700K, 80 CRI (Lumens Per Watt)

	↑H ↑	↑V
↓H ↑	98	99
↓V	96	97

1 Family Correlation based on 4' luminaire 3700K Very High Output (V) test - 120V.  
H - High Output, V - Very High Output

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

- Use **Occupied Power** for total electrical load calculations. Use this value to estimate branch circuit lighting loads.
- Use **LPD Power** for lighting power density calculations. Only the power attributed to white light is required per NEMA LSD EB 84-202X. Power used toward germicidal disinfection has been removed for this calculation.
- Use **Unoccupied** and **Occupied Power** for energy calculations to determine the power consumed over time based on the use of the space.

### Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
Indigo-Clean	
3200K	0.98
3700K	1.00
4300K	1.03

FLUSH - High Output (H) / Very High Output (V), 3200K, 80 CRI  
**Lumen Adjustment Factor:** 0.98  
**Total Light Output:** 6095 lm x 0.98 = 5973 lm  
**Total Light Output per Foot:** 1524 lm/ft x 0.98 = 1494 lm/ft.  
**watts/foot:** 15.5 W/ft.

$$\text{Efficacy} = \frac{1494 \frac{\text{lm}}{\text{ft.}}}{15.5 \frac{\text{W}}{\text{ft.}}} = 96 \text{ lm/W}$$

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

# High Performance 2" Aperture (HP-2) Wall Mount

## Direct Photometry - 4' Luminaire 3700K

HP2-P-D-V-837-SMIC-F

Downlight: Flush Diffuser

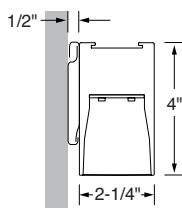
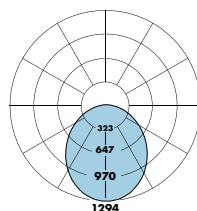
Efficacy: 89 lm/W

Total luminaire output: 3119 lumens (780 lm/ft)  
35 watts (8.8 W/ft)

Peak Candela Value: 1294 @ 0°

CRI: 80 / CCT: 3700K

TL LM79 Report 85136 (Family Correlated)



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1294	1294	1294	1294	1294	
5	1287	1286	1286	1285	1284	122
15	1225	1214	1213	1207	1199	341
25	1099	1084	1076	1055	1043	493
35	929	914	895	869	860	559
45	739	725	703	676	665	542
55	546	534	516	494	485	460
65	363	354	340	327	321	339
75	200	195	189	182	179	200
85	60	59	57	55	55	64
90	0	0	0	0	0	

Information in chart below is for reference and based on ITL LM79 report 94139 (Family Correlated)

Total Light Output, 3700K, 80 CRI (Lumens) - 4' Luminaire

H <sup>1</sup>	V
2469	3175

Light Output, 3700K, 80 CRI (Lumens Per Foot)

H <sup>1</sup>	V
617	794

Single Mode Power, 3700K (Watts Per Foot)

H <sup>1</sup>	V
6.8	8.9

Dual Mode Power, 3700K (Watts Per Foot)

H <sup>1</sup>			V		
Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied
6.9	5.5	4.1	9.0	7.1	5.2

Efficacy, 3700K, 80 CRI (Lumens Per Watt)

H <sup>1</sup>	V
90	89

1 Family Correlation based on 4' luminaire 3700K Very High Output (V) test - 120V.

H - High Output, V - Very High Output

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

- Use **Occupied Power** for total electrical load calculations. Use this value to estimate branch circuit lighting loads.
- Use **LPD Power** for lighting power density calculations. Only the power attributed to white light is required per NEMA LSD EB 84-202X. Power used toward germicidal disinfection has been removed for this calculation.
- Use **Unoccupied** and **Occupied Power** for energy calculations to determine the power consumed over time based on the use of the space.

## Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
Indigo-Clean	
3200K	0.98
3700K	1.00
4300K	1.03

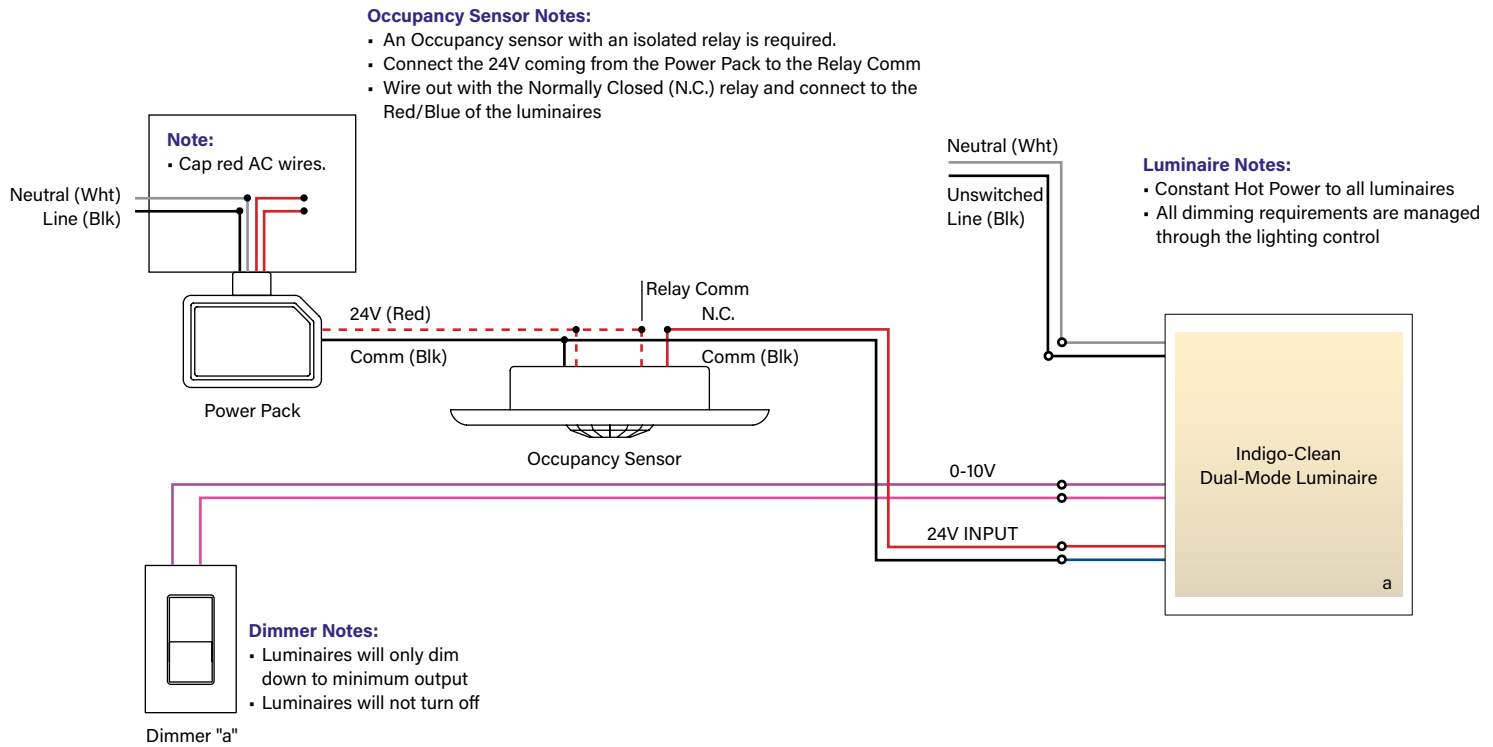
FLUSH - Very High Output (V), 3200K, 80 CRI  
Lumen Adjustment Factor: 0.98  
Total Light Output: 3119 lm x 0.98 = 3057 lm  
Total Light Output per Foot: 780 lm/ft x 0.98 = 764 lm/ft.  
watts/foot: 8.8 W/ft.

$$\text{Efficacy} = \frac{764 \frac{\text{lm}}{\text{ft.}}}{8.8 \frac{\text{W}}{\text{ft.}}} = 87 \text{ lm/W}$$

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

# Indigo Clean Dual Mode - Basic Wiring Diagram

## WIRING DIAGRAM



## DUAL FEED DETAIL

