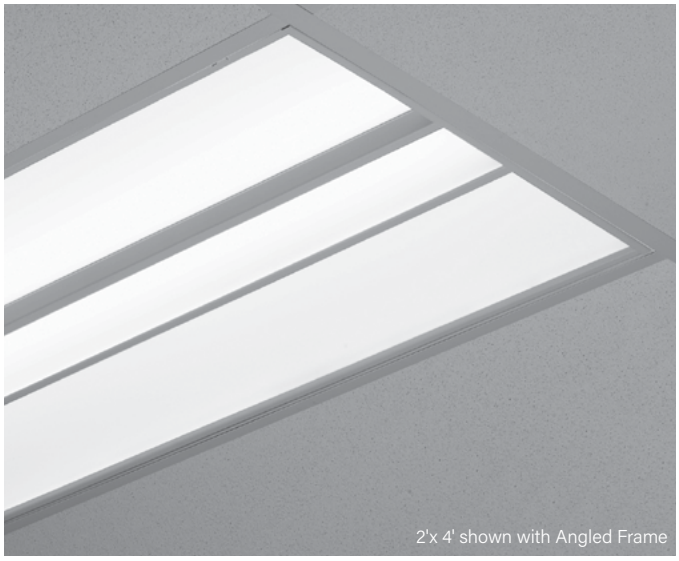
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

FINELITE®
Better Lighting

High Performance Recessed
HPR LED



Signal White is standard finish

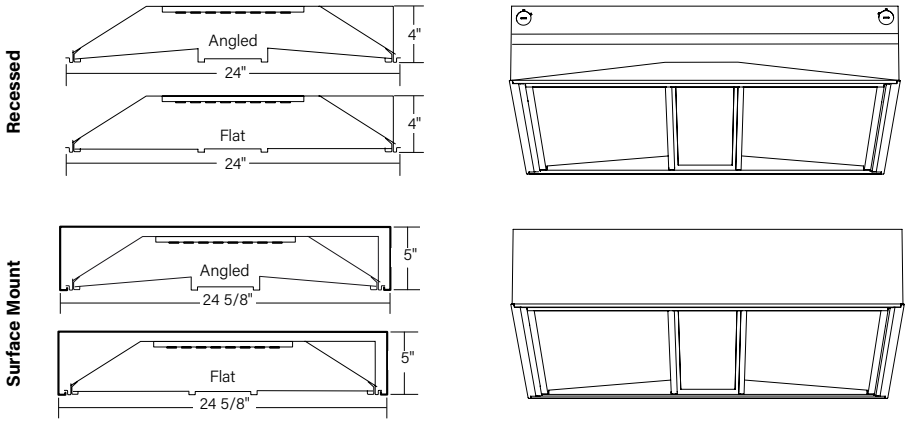
Indigo-Clean Technology is a Continuous Environmental Disinfection System that emits a narrow spectrum light that kills bacteria, Influenza-A [1], and SARS-CoV-2 – the virus that causes COVID-19 [1] – and is proven effective by recently conducted independent lab testing. Unlike UV disinfection, Indigo-Clean 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 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 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.

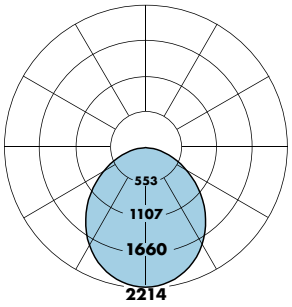
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

CROSS SECTIONS See page 7 for all cross sections.



2x2 VERY HIGH OUTPUT PACKAGE

See page 8 & 9 for more output packages.



HPR LED-A-2x2-DCO-V
Efficacy: 95 lm/W
Total luminaire output: 5535 lumens
58.1 watts
CRI: 80 / CCT: 3700K
ITL LM79 Report 85142 (Family Correlated)

SERVICEABLE FROM BELOW

The replaceable light engine and driver are easy to access from below the ceiling.

10 Year Warranty · Declare · Third Party Verified · IC Rated · Indigo-Clean A brand of legrand

Indigo-Clean is a registered trademark of Kenall Manufacturing Co., a Legrand Company
[1] Indigo-Clean Research Reports

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Ordering Guide Example: HPR LED - A - 2x2 - S - 832 - DCO - 120 - SC - FC-10% - DW - 96LG - EM/GEN - OBD - CP

Clear Form

BODY TYPE

Platform Series Name

- (•) **HPR LED** - High Performance Recessed

Door Style - LED

- ( ) **A** - Angled
- ( ) **ANR** - Angled Narrow Rail
- ( ) **F** - Flat
- ( ) **CS** - Curved Slotted
- ( ) **DD** - Double Diffuse
- ( ) **WAV** - Wave

Size

- ( ) **1x1** [1]
- ( ) **1x2** [2]
- ( ) **1x4** [3]
- ( ) **2x2** [4]
- ( ) **2x4**

OUTPUT and LED TYPE

Light Output (page 8 & 9)

- ( ) **S** - Standard
- ( ) **B** - Boosted
- ( ) **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.

LED CRI/CCT

- ( ) **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

See page 8 for lumen adjustment calculation

Center Optic Clear Selection

- ( ) **DCO** - Diffuse Center
- ( ) **SCO** - Slotted Center
- ( ) **RCO** - Round Center

Only available with Angled (**A**), Angled Narrow Rail (**ANR**) and Flat (**F**) door style.

ELECTRICAL FEATURES

Voltage

- ( ) **120** - 120 Voltage
- ( ) **277** - 277 Voltage
- ( ) **347** - 347 Voltage (OTi only)

Circuiting [5]

- (•) **SC** - Single Circuit

Driver Selection [6]

0-10V Driver Options

- ( ) **FC-10%** - 0-10V 10% (standard)
- ( ) **FC-1%** - 0-10V 1%
- ( ) **OTi-10%** - EldoLED OTi, 0-10V 10% [7]
- ( ) **OTi-1%** - EldoLED OTi, 0-10V 1% [7]
- ( ) **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 details

MOUNTING TYPE

Ceiling Type

- ( ) **C1** - 15/16 " T-Bar
- ( ) **C2** - 9/16" T-Bar
- ( ) **C3** - Screw Slot
- ( ) **DW** - Drywall Kit
- ( ) **SM** - Surface Mount

OTHER OPTIONS

Finish

- (•) **96LG** - 96 Low Gloss White

Contact factory optional Anti-microbial paint

Emergency Style (Optional) Clear Selection
See page 4 Backup Battery table

- ( ) **LGD18W** - Legrand 18W Brand Battery Back-up
- ( ) **LGD10W** - Legrand 10W Brand Battery Back-up
- ( ) **BSL722** - Bodine Battery Back up
- ( ) **BSL310LP** - Bodine Battery Back up Low Profile
- ( ) **EM/GEN** - Emergency to Generator
- ( ) **NL** - Night Light
- ( ) **GTD** - Generator Transfer Device
- ( ) **ALCR** - Automatic Load Control Relay

See Backup Battery table on page 4 for fitment limitations

Integrated Sensor [8] (Optional) Clear Selection

- ( ) **OBO** - Occupancy
- ( ) **OBD** - Daylight
- ( ) **W601** - Wattstopper Sensor [9]
- ( ) **OBE** - Enlighted Sensor [10]
- ( ) **REE** - Remote Enlighted
- ( ) **CLM-99** - Encelium RF
- ( ) **SLM-99** - Encelium Sensor
- ( ) **AOCC-W** - Lutron Athena Sensor [11] *(Device Color White)*
- ( ) **AOCC-B** - Lutron Athena Sensor [11] *(Device Color Black)*
- ( ) **ARF-W** - Lutron Athena RF [11] *(Device Color White)*
- ( ) **ARF-B** - Lutron Athena RF [11] *(Device Color Black)*
- ( ) **VOCC** - Lutron Vive Sensor [12]
- ( ) **VRF** - Lutron Vive RF [12]

• Integrated Sensor not available for Dual-Mode
• Not available for 1x1

Special Options (Optional) Clear Selection

- ( ) **CP** - Chicago Plenum
- ( ) **RLA** - Red List Approved
- ( ) **RLD** - Red List Declared

Air Return Clear Selection

- ( ) **AR** - Air Return

Available for 1x4, 2x2 and 2x4 only

[1] Not available with Angled Narrow Rail (ANR), Curved Slotted (CS), Wave (WAV)
[2] Not available with Curved Slotted (CS) and Wave (WAV)
[3] Not available with Wave (WAV)
[4] 2x2 Very High Output (V) come with 5-year performance-based warranty with all standard components
[5] Contact Factory for switching options
[6] Contact factory for compatible driver options not listed above
[7] Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)
[8] HPR 1x1 cannot have sensor. Double Diffuser is custom for Integrated Sensor.
[9] LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected
LMFS-601 w/ Dali driver, only 1 driver can be connected.
[10] Enlighted components installed by Finelite, provided by others
[11] 0-10V Drivers - **AOCC** up to 10 drivers may be connected; **ARF** up to 40 driver may be connected
DALI Drivers - **AOCC** & **ARF** up to 4 drivers can be connected.
[12] Lutron Vive Ingrated Sensors require a DALI driver

Indigo-Clean Research Reports

Continued

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Submitted by:	Date:
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Ordering Info:	

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SUPPLEMENTARY DRIVER PAGE

0-10V Driver Options	
FC-10%	Factory Choice, 0-10V 10% Dimming (Linear)
FC-10%-DTO	Factory Choice, 0-10V 10% Dimming, Dim-to-Off (Linear)
FC-1%	Factory Choice, 0-10V 1% Dimming (Linear)
FC-1%-DTO	Factory Choice, 0-10V 1% Dimming, Dim-to-Off (Linear)
ELD-10V-0%	EldoLED SOLOdrive, 0-10V 0.1% Dimming (Linear)
ELD-10V-1%	EldoLED ECOdrive, 0-10V 1% Dimming (Linear)
10V-TW-10%	EldoLED OTi, 0-10V 10% Dimming, **Tunable White** (Linear)
10V-TW-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, **Tunable White** (Linear)
OTi-10%	EldoLED OTi, 0-10V 10% Dimming (Linear)
OTi-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off (Linear)
OTi-1%	EldoLED OTi, 0-10V 1% Dimming (Linear)
OTi-1%-DTO	EldoLED OTi, 0-10V 1% Dimming, Dim-to-Off (Linear)

DALI Driver Options	
FC-DALI-1%	Factory Choice, DALI 1% Dimming (Logarithmic)
DXL-DALI-1%	EldoLED Dexal, DALI 1% Dimming (Logarithmic)
ELD-DALI-0%	EldoLED SOLOdrive, DALI 0.1% Dimming (Logarithmic)
ELD-DALI-1%	EldoLED ECOdrive, DALI 1% Dimming (Logarithmic)
ELD-DALI-TW	EldoLED DUALdrive Light Shape, DALI 1% Dimming, **Tunable White** (Logarithmic Dimming, Linear CCT Control)

DMX Driver Options	
ELD-DMX	EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) (Linear)
ELD-DMX-16	EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) (Linear)

Lutron Driver Options	
LUT-ES1	Lutron, Ecosystem 1% Dimming
LUT-TW	Lutron LD2 Dali-2 1%, **Tunable White**

[1] Dual mode Indigo-Clean only works with 0-10V

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

FINELITE® Better Lighting

High Performance Recessed
HPR LED

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: DDie-formed cold-rolled steel housing. All components are hard-tooled to tolerances of +/- 0.010". UV stabilized weather-strip pile gasket with polypropylene backing. Hinged door frame assembly provides easy access to light arrays and driver compartment for servicing from below. Seismic brackets are integrated into the luminaire assembly.

AIR RETURN: Available with Angled (**A**) and Flat (**F**) luminaire style only. 1x4, 2x2, and 2x4 only.

ARRAY TYPE

LIGHT OUTPUT: Four lumen packages available, Standard (**S**), Boosted Standard (**B**), High (**H**) and Very High (**V**). A separate chart summarizes lumen distribution and wattage. Light engines are replaceable.

MECHANICAL FEATURES

OPTICAL SYSTEM: Components include diffuser panels and a central optic element held in place with a frame constructed from die-formed cold-rolled steel. The diffusers are UV-stabilized and impact-resistant frosted virgin acrylic, approximately 1/8" thick. They are either angled toward the central optic or parallel to the ceiling plane. The standard center rails are approximately 9/16" wide. Optional narrow rails are approximately 5/16" wide.

INDIGO-CLEAN TECHNOLOGY: Single-Mode Indigo- Clean Technology utilizes a combination of blended white LEDs, and safe 405nm LEDs to continually disinfect a space and kill bacteria, Influenza-A[1], and SARS-CoV-2 – the virus that causes COVID-19. 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, contin- uously provide an average 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.

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.

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. Dim to Off not available.

DOOR STYLE: *Curved Slotted* (**CS**)[2,3] includes perforated rails that slope inward and a diffuse frosted acrylic center optic. Not available for Air Return.

Double Diffuse (**DD**)[3]: Visible diffuser. UVstabilized and impact-resistant frosted virgin acrylic, 3/25" thick. Inner diffuser: 3/25" thick with 60% round perforations white/white. Not available for Air Return.

CENTER OPTIC OPTIONS: Only available with Angled (**A**), Angled Narrow Rail (**ANR**)[2], and Flat (**F**) door styles.
*Diffuse Center Optic (**DCO**)*[4]*:* UV-stabilized and impactresistant frosted virgin acrylic.

*Slotted Center Optic (**SCO**)*[4]: Die-formed cold-rolled steel panel with a 1/16" x 1/2" rectangular hole pattern. Virgin acrylic overlay.

*Round Center Optic (**RCO**)*[4]: Die-formed cold-rolled steel panel with precision-punched 3/32" round hole pattern arranged.

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 are finished in 96LG high reflectance matte white powder coat paint.

ELECTRICAL FEATURES

STATIC FEED: Optional whips (with flex connectors) supplied in a maximum of 11' lengths. Lead Wires.

Backup Battery - based on Standard HPR LED

	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HPR 1x1 Bodine BSL722 Available	1617	1617
HPR 1x4		
Angle / Flat	1683	1002
Angled Narrow Rail	1628	969
Flat with Double Diffuse	1475	878
HPR 2x2		
Angle / Flat	1878	1118
Angled Narrow Rail	1811	1078
Flat with Double Diffuse	1504	895
Wave	1878	1118
HPR 2x4		
Angle / Flat	2001	1191
Angled Narrow Rail	1952	1162
Flat with Double Diffuse	1631	971
Wave	2001	1191

Based on 3700K and 80-CRI.
* Minimum fixture housing length for battery pack approved without sensor
The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 9.

LUTRON DRIVER OPTIONS:
LUT-ES1 - Hi-lume 1% EcoSystem with Soft-On, Fade to Black dimming (LDE1 series); Contact factory for availability of discontinued Lutron drivers.

MOUNTING TYPE

SURFACE MOUNT: Luminaire is compatible with recessed junction boxes. Electrical connections can be made directly to wiring access plat. Junction boxes can also be placed between mounting bars. Maximum center of feed location from luminaire center is 8 3/4" along the dimension parallel to the mounting bars, and 14" along dimension perpendicular to the mounting bars.

[1] Indigo-Clean Research Reports
[2] Angled Narrow Rail, Curved Slotted and Double Diffuse not available with Air Return
[3] Curved Slotted not available with Center Optic options
[4] Available with Angled (A), Angled Narrow Rail (ANR), and Flat (F) door options

Continued

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

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SPECIFICATIONS

RECESSED: Standard flange design works with most lay-in ceiling types. Integral pry-out tabs secure the luminaire to the ceiling grid from above. Tie-in locations for tie-wire on all corners. Consult local code for appropriate tie-wire recommendations. Drywall Kit available.

EMERGENCY STYLE: Factory-choice low-profile backup battery available. Chicago Plenum option. Bodine BSL722 battery pack also available. Backup batteries deliver 1600 lumens. One half of the 1'x4' & 2'x2', and a quarter of 2'x4' will be illuminated in emergency mode.

INTEGRATED SENSORS: Integrated PIR (Passive Infrared) Occupancy (**OBO**) or Daylight Sensors (**OBD**). 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. Sensors not available for 1x1 and Air Return luminaires. For Double Diffuse see factory for sensor option.

AIR RETURN: Luminaire tested in accordance with ADC1062 and ASHRAE 70. Air Return slots positioned on the center optic. Diffuse Center Optic (**DCO**) is placed above the air return slots. Other center optics are positioned below the air return slots.

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.

FINISHES: Housing and door assembly painted with 96 LG high reflectance matte white powder coat paint. Post paint does not chip. Optional adder: Anti-microbial paint. Contact factory.

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-2. These fixtures are rated for Damp Location. IC-rated and Chicago Plenum options available. 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:
1'x1': 10 lbs maximum.
1'x2': 12 lbs maximum.
1'x4': 25 lbs maximum.
2'x2': 16 lbs maximum.
2'x4': 33 lbs maximum.

5-YEAR WARRANTY: 5-year performance-based warranty on Standard **(S)**, Boosted Standard **(B)**, High Output **(H)**, and Very High **(V)**, with all standard components.

Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties are covered by their individual manufacturer warranties.

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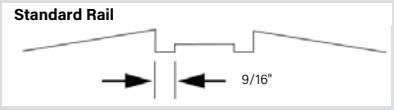
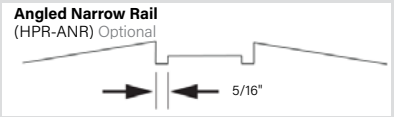
OPTIONS

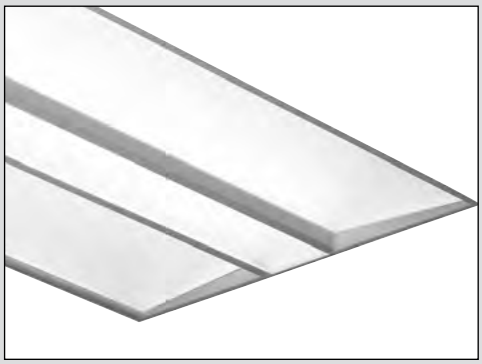
NARROW RAIL OPTIONS

The available angled door style with the same center optic choices. The optional narrow rails are approximately 5/16" wide. The standard center rails are approximately 9/16" wide.

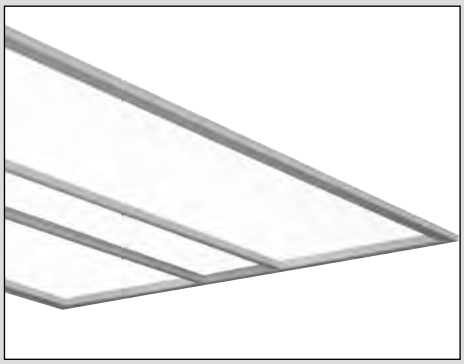




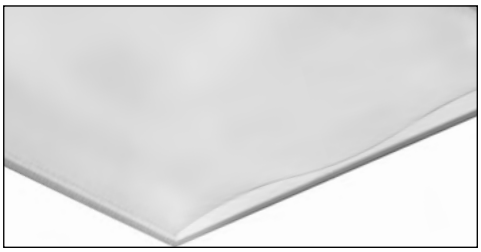
DOOR STYLES



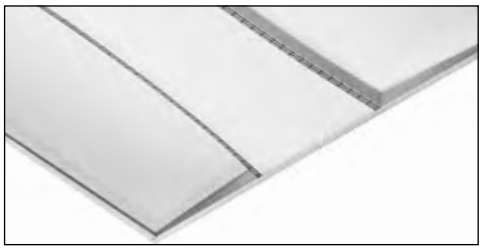
Angled (**A**) / Angled Narrow Rail (**ANR**)



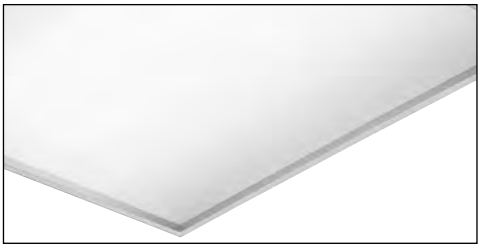
Flat (**F**)



Wave (**WAV**)

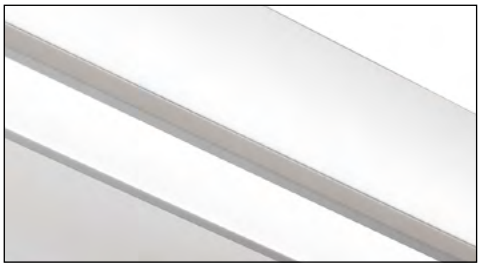


Curved Slotted (**CS**) [1]

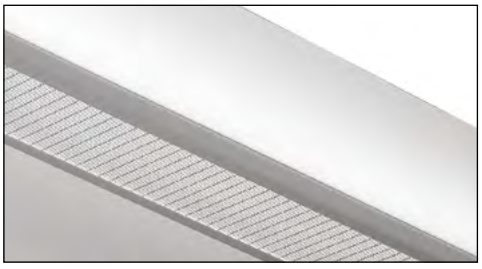


Double Diffuse (**DD**)

CENTER OPTICS [2]



Diffuse Center (**DCO**)



Slotted Center (**SCO**)

Round Center (**RCO**)

OPTION AVAILABILITIES	1x1	1x2	1x4	2x2	2x4
Angled (A)	X	X	X	X	X
Flat (F)	X	X	X	X	X
Angled Narrow Rail (ANR)		X	X	X	X
Double Diffuse (DD)	X	X	X	X	X
Wave (WAV)				X	X
Curved Slotted (CS)				X	X
Air Return (AR)			X	X	X
Integrated Sensors [3]		X	X	X	X

[1] Air return only available with 1x4, 2x2, and 2x4
[2] Center Optics only available with A, ANR, and F door styles
[3] Integrated Sensors are not a stardard option for Double Diffuse (DD) and Air Return (AR).

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

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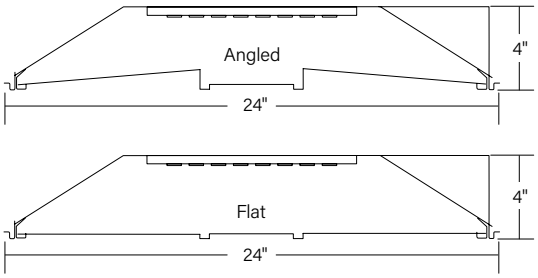
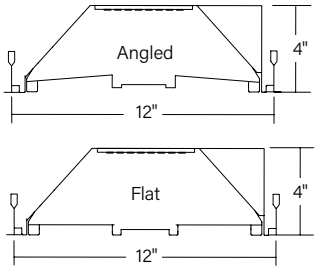
RECESSED CROSS SECTIONS

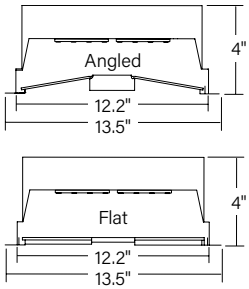
2'x4' & 2'x2'



1'x4' & 1'x2'

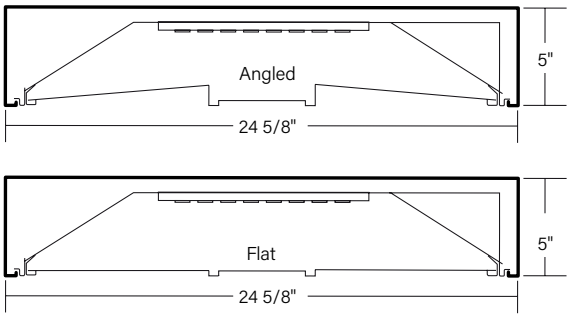


1'x1'

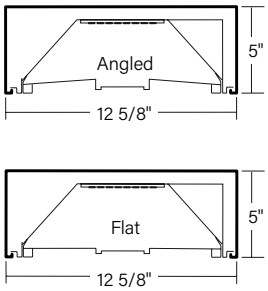


SURFACE MOUNT CROSS SECTIONS

2'x4' & 2'x2'

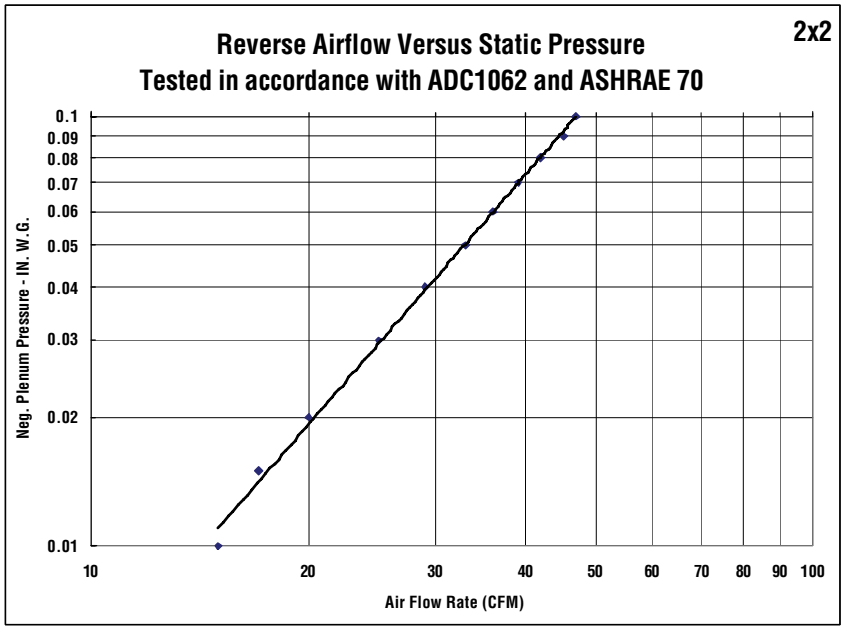


1'x4' & 1'x2'



AIR RETURN ONLY

AIR HANDLING INFORMATION



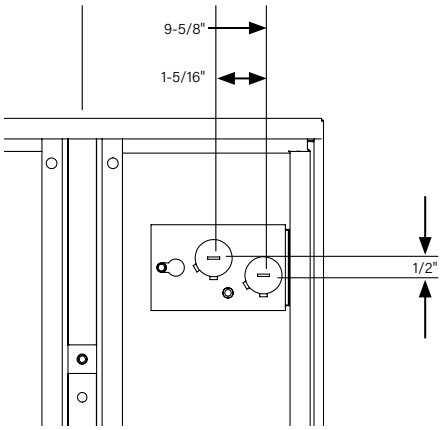
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

FINELITE®
Better Lighting

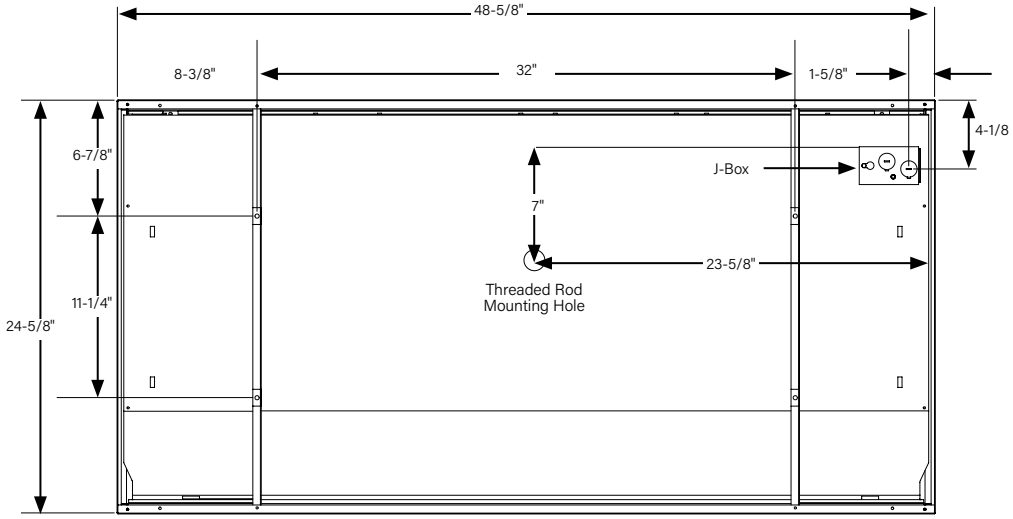
High Performance Recessed
HPR LED

SURFACE MOUNT ONLY - 2'x4'

WIRING ACCESS DETAIL

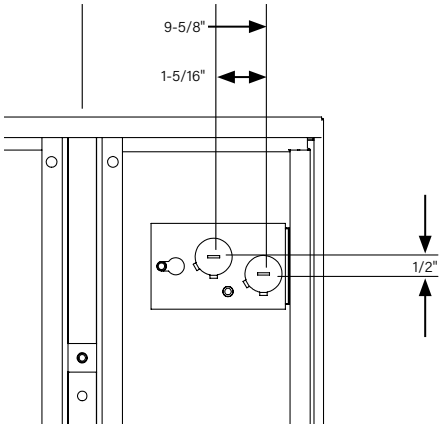


MOUNTING INFORMATION

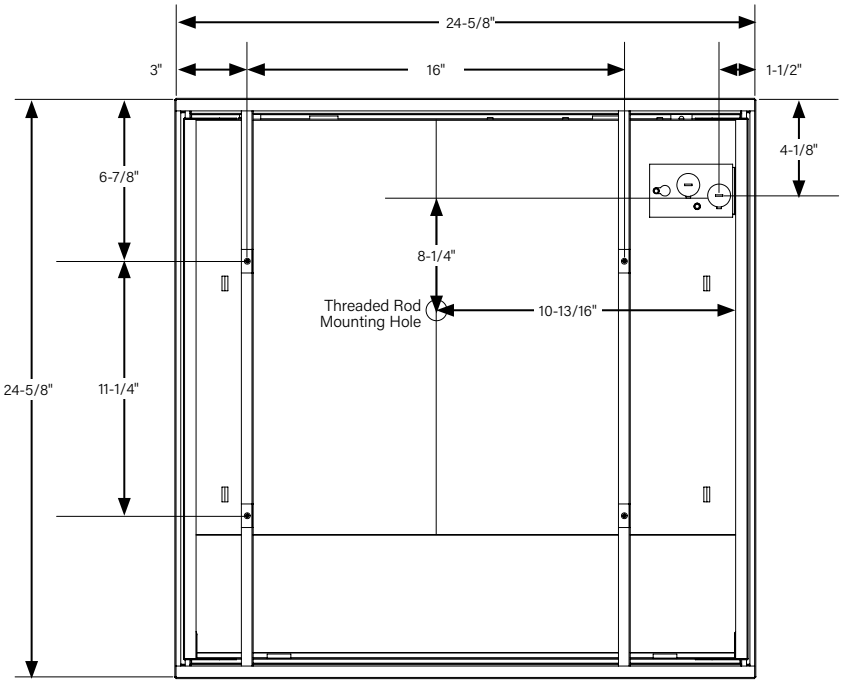


SURFACE MOUNT ONLY - 2'x2'

WIRING ACCESS DETAIL



MOUNTING INFORMATION



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

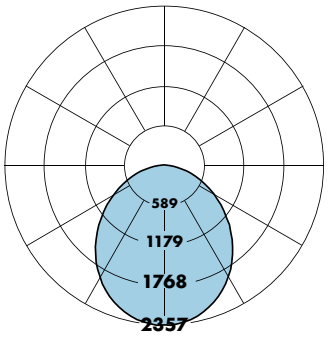
FINELITE® Better Lighting

High Performance Recessed
HPR LED

PHOTOMETRY

HPR-LED-F-2x4-DCO-V-837
Efficacy: 116 lm/W
Total luminaire output: 6002 lumens
51.7 watts
Peak Candela Value: 2357 @ 0º
CCT: 3700K
ITL LM79 Report 85145 (Family Correlated)

Complete LM79 LED Photometry



CANDLEPOWER SUMMARY

	0.0	22.5	45	67.5	ACROSS	Flux
0	2357	2357	2357	2357	2357	
5	2348	2346	2346	2345	2345	223
10	2309	2308	2307	2307	2303	
15	2247	2242	2244	2240	2238	632
20	2159	2155	2152	2148	2148	
25	2047	2042	2039	2035	2036	939
30	1912	1906	1903	1900	1901	
35	1757	1751	1748	1746	1748	1093
40	1587	1581	1579	1577	1580	
45	1406	1400	1399	1398	1402	1080
50	1219	1214	1214	1213	1215	
55	1032	1028	1029	1028	1021	920
60	848	846	846	841	838	
65	671	669	666	659	654	659
70	501	501	495	489	486	
75	345	344	338	334	335	361
80	206	203	200	197	197	
85	89	86	83	78	77	96
90	0	0	0	0	0	

Total Light Output, 3700K, 80 CRI (Lumens)

	1x1		1x2					
A/F [1]	**H**	**V**	**H**	**V**				
	1863	2426	1891	2463				
	1x4		**2x2 [4]**				**2x4 [5]**	
	H	**V**	**S**	**B**	**H**	**V**	**H**	**V**
A/F [1]	3878	5050	2921	3756	4250	5535	4658	6002
ANR [2]	3751	4885	2817	3622	4099	5338	4544	5855
DD	3397	4424	2339	3007	3403	4432	3798	4894
AR [3]	3878	5050	2921	3756	4250	5535	4658	6002
WAV			2984	3837	4341	5654	4718	6079
CS			2784	3579	4050	5274	4406	5678

Single Mode Power (Watts)

	1x1		1x2					
A/F [1]	**H**	**V**	**H**	**V**				
	21.5	28.9	21.5	28.9				
	1x4		**2x2 [4]**				**2x4 [5]**	
	H	**V**	**S**	**B**	**H**	**V**	**H**	**V**
A/F [1]	40.6	55.1	26.7	34.9	40.2	54.6	38.1	51.7
ANR [2]	40.6	55.1	26.7	34.9	40.2	54.6	38.1	51.7
DD	40.6	55.1	26.7	34.9	40.2	54.6	38.1	51.7
AR [3]	40.6	55.1	26.7	34.9	40.2	54.6	38.1	51.7
WAV			26.7	34.9	40.2	54.6	38.1	51.7
CS			26.7	34.9	40.2	54.6	38.1	51.7

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3200K	0.985
3700K	1.000
4300K	1.032

High Output (**H**), A/F, 2'x4', 3200K, 80 CRI
Lumen Adjustment Factor: 0.985
Total Light Output: 4658 lm x 0.985 = 4588 lm
watts/foot: 38.1 W.

$$\textbf{Efficacy} = \frac{4588\ \frac{\text{lm}}{\text{ft.}}}{38.1\ \frac{\text{W}}{\text{ft.}}} = 120\ \text{W}$$

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output, A/F - Angled & Flat, ANR - Angled Narrow Rail, R - Recessed, SM - Surface Mount, AR - Air Return

[1] Family Correlation based on 2x2 & 2x4 F 3500K Very High Output (**V**) test - 120V.
[2] Family Correlation based on 2x2 & 2x4 ANR 3500K Very High Output (**V**) test - 120V.
[3] AR Based on ITL report: 85141 (1x4 F), 85142 (2x2 F), 85415 (2x4 F)
[4] 2x2 Based on ITL report: 85144 (F), 85150 (ANR)
[5] 2x4 Based on ITL report: 85146 (F), 85152 (ANR)

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

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

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HPR LED

PHOTOMETRY

Efficacy, 3700, 80 CRI (Lumens per Watts)

	1x1		1x2	
A/F [1]	H	V	H	V
	87	84	88	85

	1x4		2x2 [4]				2x4 [5]	
	H	V	S	B	H	V	H	V
A/F [1]	96	92	109	108	106	101	122	116
ANR [2]	92	89	105	104	102	98	119	113
DD	84	80	88	86	85	81	100	95
AR [3]	96	92	109	108	106	101	122	116
WAV			112	110	108	104	124	118
CS			104	103	101	97	116	110

Dual Mode Power (Watts)

	1x1						1x2					
A/F [1]	H			V			H			V		
	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied
	21.9	17.2	13.5	29.2	28.9	17.6	21.9	17.2	13.5	29.2	23.1	17.6

	1x4						2x2 [4]												2x4 [5]					
	H			V			S			B			H			V			H			V		
	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied
A/F [1]	41.6	32.5	23.9	56.1	44.1	31.3	27.6	21.4	16.5	36.1	27.9	21.0	41.6	32.2	23.9	56.1	43.7	31.3	41.8	30.5	25.8	51.5	41.4	28.7
ANR [2]	41.6	32.5	23.9	56.1	44.1	31.3	27.6	21.4	16.5	36.1	27.9	21.0	41.6	32.2	23.9	56.1	43.7	31.3	41.8	30.5	25.8	51.5	41.4	28.7
DD	41.6	32.5	23.9	56.1	44.1	31.3	27.6	21.4	16.5	36.1	27.9	21.0	41.6	32.2	23.9	56.1	43.7	31.3	41.7	30.5	25.8	51.5	41.4	28.7
AR [3]	41.6	32.5	23.9	56.1	44.1	31.3	27.6	21.4	16.5	36.1	27.9	21.0	41.6	32.2	23.9	56.1	43.7	31.3	41.7	30.5	25.8	51.5	41.4	28.7
WAV							27.6	21.4	16.5	36.1	27.9	21.0	41.6	32.2	23.9	56.1	43.7	31.3	41.8	30.5	25.8	51.5	41.4	28.7
CS							27.6	21.4	16.5	36.1	27.9	21.0	41.6	32.2	23.9	56.1	43.7	31.3	41.7	30.5	25.8	51.5	41.4	28.7

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

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output, A/F - Angled & Flat, ANR - Angled Narrow Rail, R - Recessed, SM - Surface Mount, AR - Air Return

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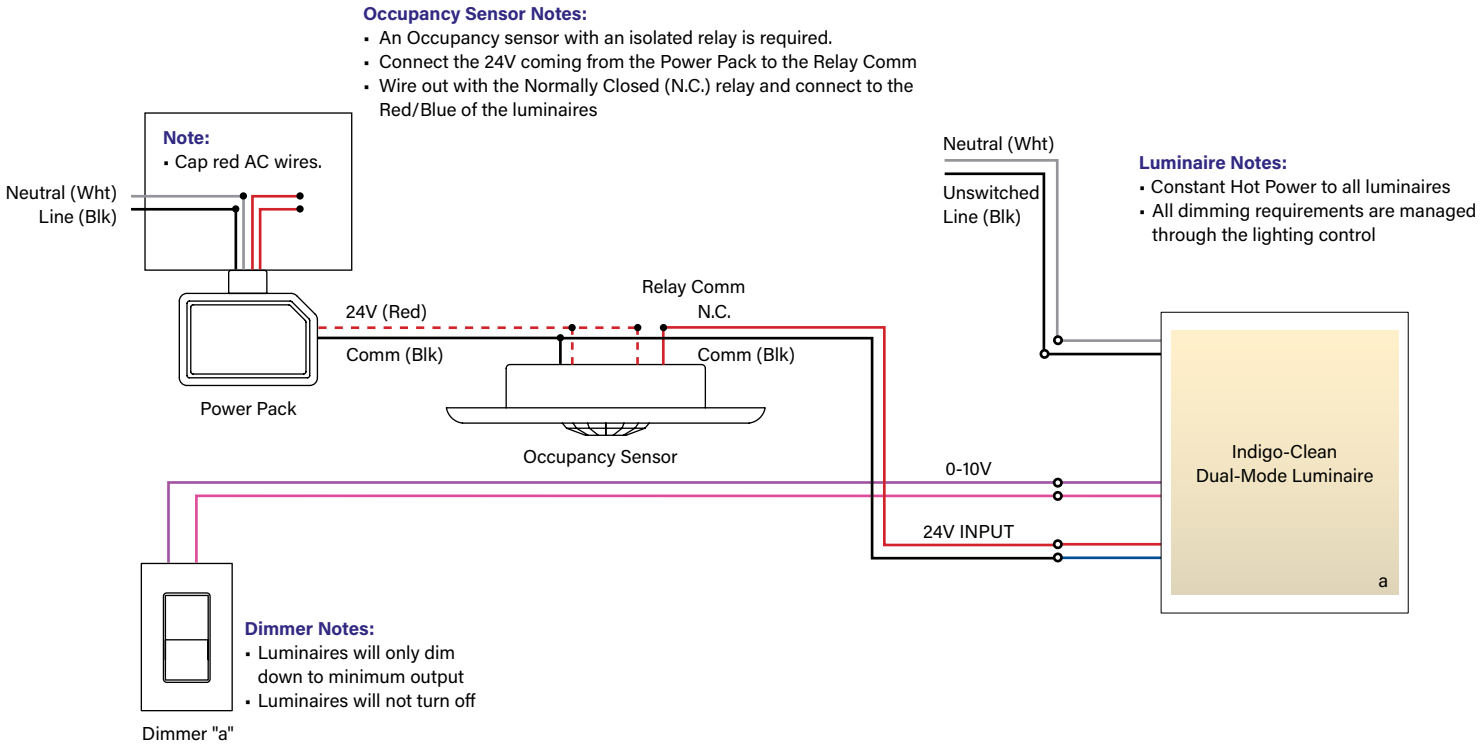
FINELITE® Better Lighting

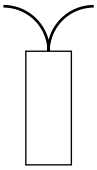
Indigo Clean Dual Mode - Basic Wiring Diagram

WIRING DIAGRAM



DUAL FEED DETAIL

CONTROL FEED
Blue / Red
Blue / Black



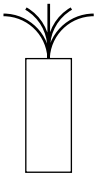
24V Dual Mode Control Pair

Each Indigo-Clean Dual Mode fixture will have a pair of #18awg low voltage wires

OCC 24V +

OCC 24V -

POWER FEED
Black, White, Green,
Purple, Pink



WIRING LEGEND	
Black	Hot
White	Neutral
Green	Ground
Purple	0-10V +
Pink	0-10V -