

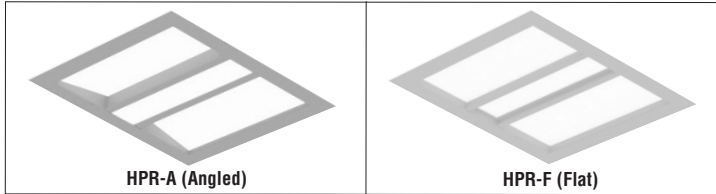


Date

Project

Type

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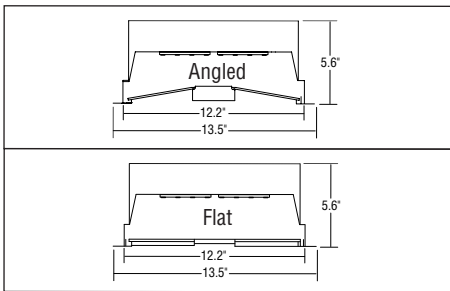
Refer to page 2 for all door styles

### DESCRIPTION

Indigo-Clean Technology is a Continuous Environmental Disinfection System that emits a narrow spectrum light that kills bacteria, Influenza-A<sup>3</sup>, and SARS-CoV-2 – the virus that causes COVID-19<sup>3</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.

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.



### DIMENSIONS

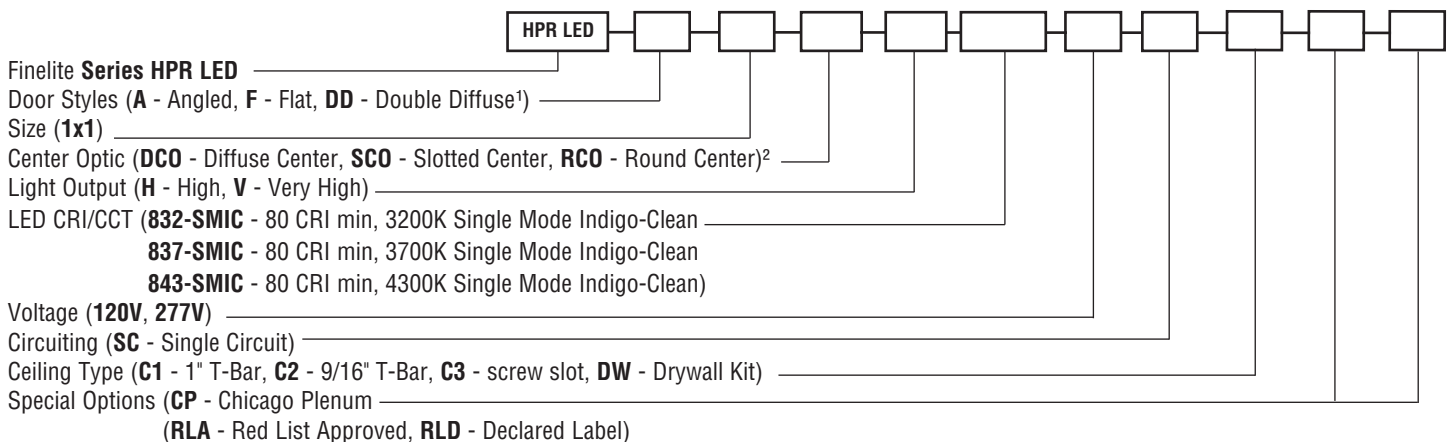
### GLARE-FREE ILLUMINATION:

A glare-free experience is attained with mid-powered LEDs properly distributed and paired with a precise diffuser to eliminate pixilation.

### 100% SERVICEABLE FROM BELOW

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

**ORDERING GUIDE:** Sample Number: HPR LED - A - 1x1 - DCO - H - 832-SMIC - 277V - SC - C1 - CP - RLA



<sup>1</sup> Double Diffuse door not available with Center Optic options  
<sup>2</sup> Only available with Angled (A) and Flat (F) door options

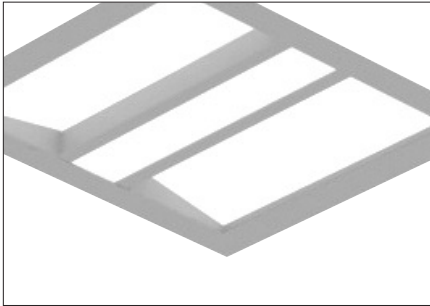
<sup>3</sup> Shed the light on virus<sup>3</sup> article

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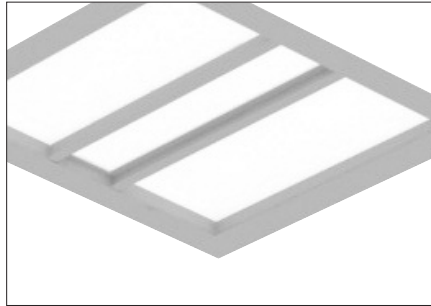
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Due to continuing product improvements, Finelite reserves the right to change specifications without notice. Please visit www.finelite.com for most current data.

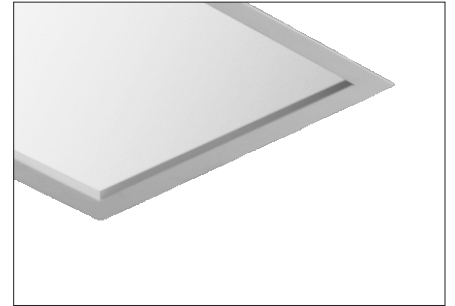
## DOOR STYLES



**A - Angled**



**F - Flat**

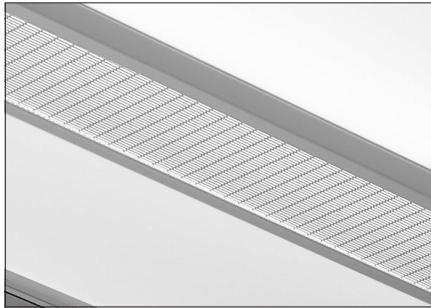


**DD - Double Diffuse**

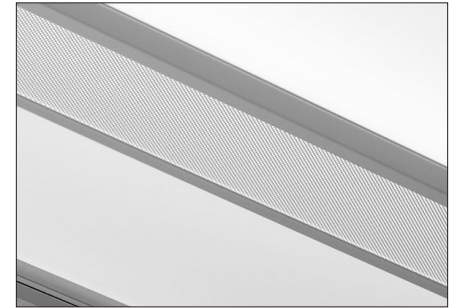
## CENTER OPTICS



**DCO - Diffuse Center**



**SCO - Slotted Center**

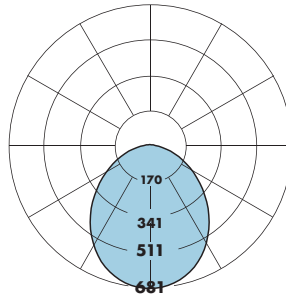


**RCO - Round Center**

DCO, SCO, and RCO are only available on Angled (A), and Flat (F) doors.

**PHOTOMETRY**

HPR-LED-A-1x1  
Very High Output - Angled Rail  
Efficacy: 80 lumens per watt  
Total luminaire output: 2426 Lumens  
30.4 Watts  
Peak Cadela Value: 681 @ 0°  
CCT: 3700K  
ITL LM79 Report 85139 (Family Correlated)



CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	ACROSS	Flux
0	681	681	681	681	681	
5	677	677	678	677	678	64
10	663	664	665	665	666	
15	642	642	642	644	644	181
20	611	612	613	615	617	
25	575	575	576	578	579	265
30	532	533	533	535	537	
35	486	485	486	487	489	303
40	434	433	434	435	437	
45	382	382	382	382	382	294
50	330	328	329	327	327	
55	279	277	275	273	273	246
60	229	227	224	220	221	
65	181	179	175	172	172	174
70	135	134	129	126	126	
75	94	92	88	84	83	94
80	57	54	49	45	44	
85	24	22	17	17	16	23
90	0	0	0	0	0	

Information in charts below are for reference and based on ITL LM79 report 85139 (Family Correlated)

Flat (F) Total Light Output, 3700K, 80 CRI (Lumens)	
H	V
1863	2426
Power (Watts)	
H	V
22.7	30.4
Efficacy, 3700, 80 CRI (Lumens per Watt)	
H	V
82	80

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

**SAMPLE LUMEN  
ADJUSTMENT CALCULATION**

High Output (H) Flat (F)  
3200K, 80 CRI

Lumen Adjustment Factor = 0.98

Total Light Output =  
1863 lm x 0.98 = 1826 lm

$$Efficacy = \frac{1826 \text{ lm}}{22.7 \text{ W}} = 80 \text{ lm/W}$$

H - High Output, V - Very High Output

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## SPECIFICATIONS

**CONSTRUCTION:** Die-formed 20-gauge 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. Additional wire entrances are positioned on the ends of the housing to allow easy wiring access for the installer.

**REFLECTORS:** Die-formed 20-gauge cold-rolled steel reflectors are finished in 96LG high reflectance matte white powder coat paint.

**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, 0.120" thick. They are either angled toward the central optic or parallel to the ceiling plane. For optimum performance, continuously provide an average 50-60 footcandles on the work plane (24/7). Dimming generally reduces effectiveness and increases the variation in the disinfecting light's visual appearance.

**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<sup>1</sup>, and SARS-CoV-2 – the virus that causes COVID-19<sup>1</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 50-60 footcandles on the work plane (24/7).

**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. Available: Year-end, 2021.

**DOUBLE DIFFUSE:** Visible diffuser: UV-stabilized and impact-resistant frosted virgin acrylic, 0.120" thick. Inner diffuser: 0.120" thick with 60% round perforations white/white.

**CENTER OPTIC OPTIONS:** *Only available with Angled (A) and Flat (F) door styles.*

*Diffuse Center Optic (DCO): UV-stabilized and impact resistant frosted virgin acrylic.*

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

*Round Center Optic (RCO): Die-formed cold-rolled steel panel with precision-punched 3/32" round hole pattern arranged in staggered formation. Virgin acrylic overlay.*

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

**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.

**DRIVER:** Replaceable 120V/277V Constant Current Reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 10% - 100%. Dimming to 1% available; consult factory. Driver is fully accessible from below the ceiling. Power Factor: ≥0.9. Total Harmonic Distortion (THD): <20%.

**LUTRON DRIVER OPTIONS:** LUTES1 (Hi-lume 1% EcoSystem with Soft-On, Fade to Black dimming (LDE1 series)); LUT2W (Hi-lume 1% 2-wire, 120V forward phase dimming (LTEA series)); Contact factory for availability of discontinued Lutron drivers, L3DA-3-wire and L3DA EcoSystem.

**ELECTRICAL:** Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver. Chicago Plenum option. Bodine BSL722 battery backup also available.

**MOUNTING:** 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.

**FINISH:** Housing and door assembly painted with 96 LG high reflectance matte white powder coat paint. Optional adder: Anti-microbial paint. Contact factory.

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

**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. 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. HPR can be used to comply with 2016 Title 24, Part 6 (JA8); high efficacy LED light source requirements. 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.

**WEIGHT:** 10 lbs maximum.

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

<sup>1</sup> Shed the light on virus" article