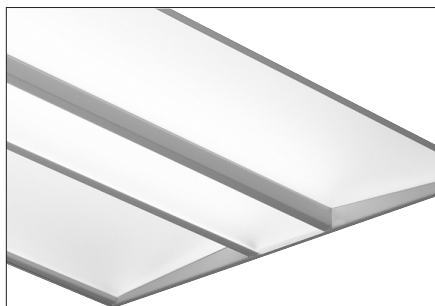


FINELITE®
Better Lighting

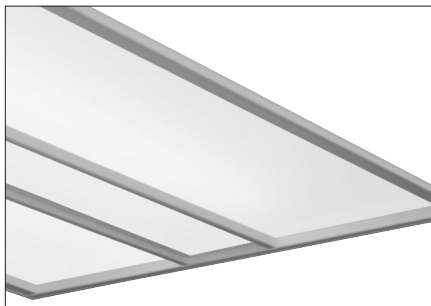


1

DOOR STYLES



A - Angled



F - Flat

CENTER OPTICS



DCO - Diffuse Center



SCO - Slotted Center



RCO - Round Center

FINELITE® High Performance Recessed (HPR LED) 2x2, Air Return, Better Lighting Standard Output (S), Boosted Standard Output (B)

PHOTOMETRY

HPR LED-A-2x2-DCO-V

Very High Output - A/F

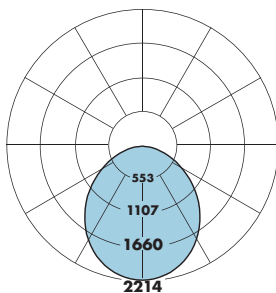
Efficacy: 101 lumens per watt

Total luminaire output: 5535 Lumens
54.6 Watts

Peak Candela Value: 2214 @ 0°

CCT: 3700K

ITL LM79 Report 85142 (Family Correlated)



CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	ACROSS	Flux
0	2214	2214	2214	2214	2214	
5	2203	2203	2202	2201	2202	209
10	2166	2165	2163	2162	2162	
15	2098	2098	2099	2100	2102	592
20	2006	2006	2010	2016	2018	
25	1891	1891	1898	1907	1913	874
30	1753	1754	1765	1780	1785	
35	1600	1602	1614	1634	1640	1011
40	1434	1437	1453	1473	1480	
45	1269	1268	1284	1305	1315	992
50	1094	1094	1112	1130	1138	
55	925	924	940	954	960	841
60	757	757	769	782	783	
65	596	599	604	612	617	601
70	446	446	451	458	462	
75	306	304	307	311	316	329
80	181	180	181	183	186	
85	77	75	73	71	73	86
90	0	0	0	0	0	

Information in charts below are for reference and based on ITL LM79 report 85142 (Family Correlated)

Angled (A) and Flat (F) Total Light Output, 3700K, 80 CRI (Lumens)					
S			B		
2921			3756		
Single Mode Power (Watts)					
S			B		
26.7			34.9		
Dual Mode Power (Watts)					
S			B		
Occupied	LPD	Unoccupied	Occupied	LPD	Unoccupied
27.6	21.4	16.5	36.1	27.9	21.0
Efficacy, 3700, 80 CRI (Lumens per Watt)					
S			B		
109			108		

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

SAMPLE LUMEN ADJUSTMENT CALCULATION

Standard Output (S) Angled (A) & Flat (F)
3200K, 80 CRI

Lumen Adjustment Factor = 0.98

Total Light Output = 2921

2921 lm x 0.98 = 2863 lm

$$\text{Efficacy} = \frac{2863 \text{ lm}}{26.7 \text{ W}} = 107 \text{ lm/W}$$

S - Standard, B - Boosted Standard

A brand of **legrand**

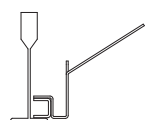
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Due to continuing product improvements, Finelite reserves the right to change specifications without notice. Please visit www.finelite.com for most current data.

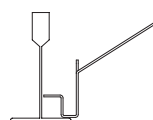
FINELITE® High Performance Recessed (HPR LED) 2x2, Air Return, Standard Output (S), Boosted Standard Output (B)

Better Lighting

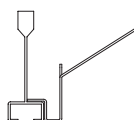
CEILING SYSTEM INFORMATION



9/16" T-Bar

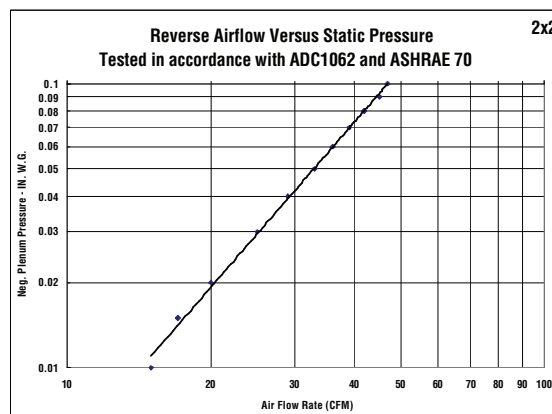


15/16" T-Bar



Screw Slot T-Bar

AIR HANDLING INFORMATION



SPECIFICATIONS

CONSTRUCTION: Die-formed 20-gauge cold-rolled steel housing. All components are hard-tooled to tolerances of $\pm 0.010"$. 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 and high touch surfaces (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-A¹, and SARS-CoV-2 – the virus that causes COVID-19¹. 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 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: 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.

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, Standard (S), Boosted Standard (B). 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%. 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)); 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: Factory-choice low-profile backup battery available. Bodine BSL722 battery pack also available. Chicago Plenum option. Backup batteries deliver 2199 lumens. One half of the 2x2 will be illuminated in emergency mode.

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. Surface mount version available; see separate tech sheet.

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.

FINISH: Housing and door assembly painted with 96 LG high reflectance matte white powder coat paint. Available in matte white only. 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.

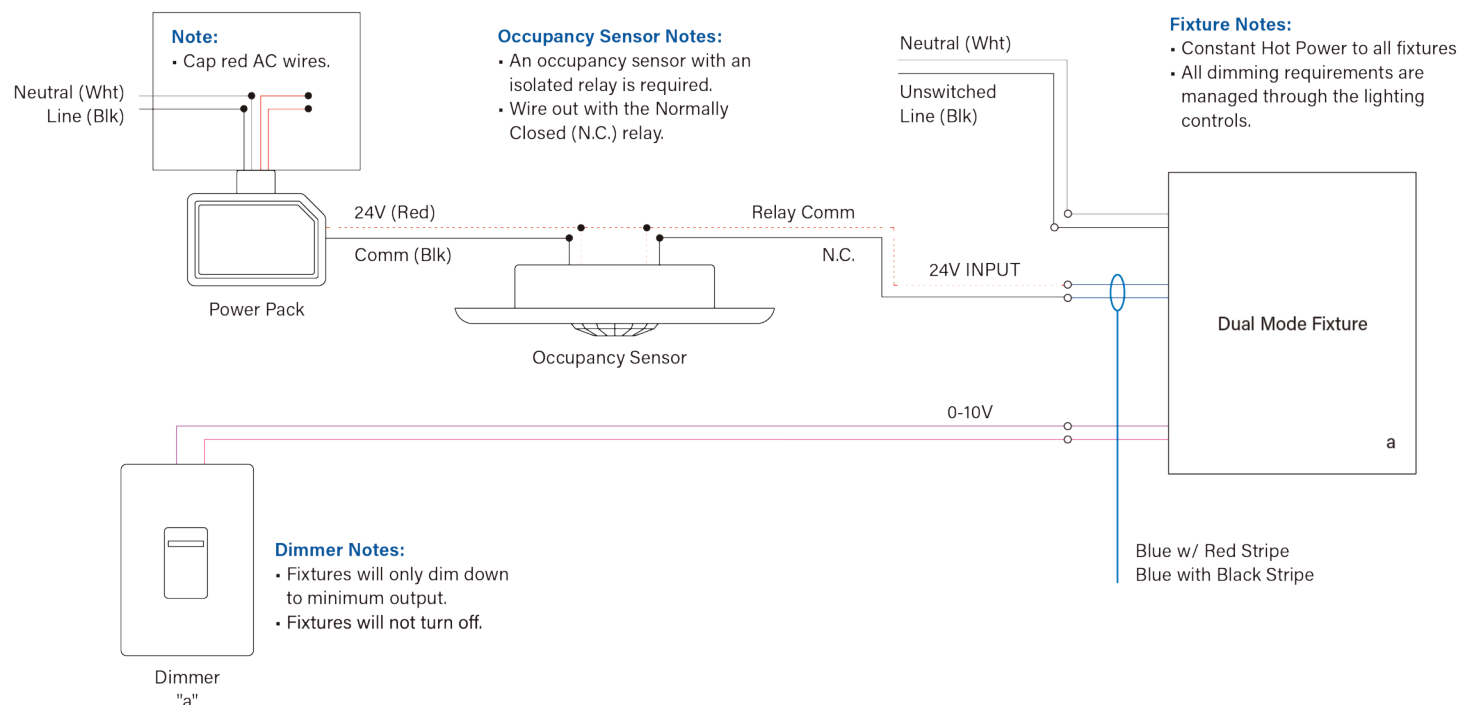
WEIGHT: 16 lbs maximum.

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

¹ Indigo-Clean Research Reports

FINELITE® High Performance Recessed (HPR LED) 2x2, Air Return,
Better Lighting Standard Output (S), Boosted Standard Output (B)

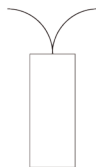
WIRING DIAGRAM



DUAL FEED DETAIL

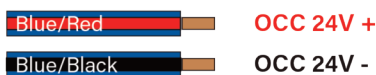
CONTROL FEED

Blue / Red
Blue / Black



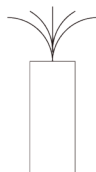
24V Dual Mode Control Pair

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



POWER FEED

Black, White, Green,
Purple, Pink



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