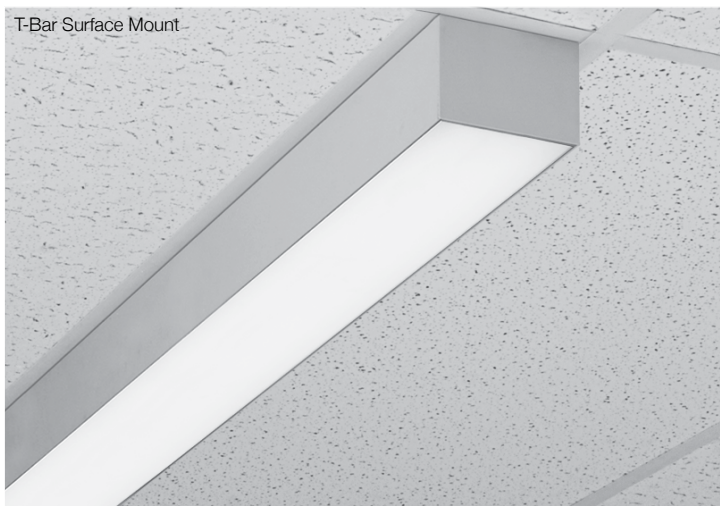


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 6" Aperture (HP-6) Surface Mount



Indigo-Clean Technology is a Continuous Environmental Disinfection System that emits a narrow spectrum light that kills bacteria, Influenza-A¹, and SARS-CoV-2 – the virus that causes COVID-19¹ – 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.

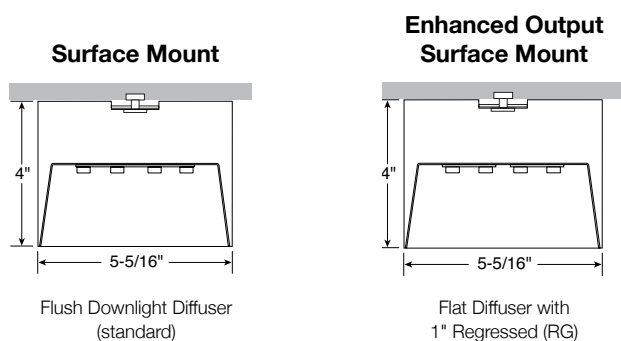
Single-Mode Indigo-Clean Technology utilizes a combination of blended white LEDs and 405nm LEDs on a single circuit board design. When the luminaires are on, the disinfection is active.

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 **Declared** status.

Signal White is standard finish

Note: see page 6 for all aesthetic options

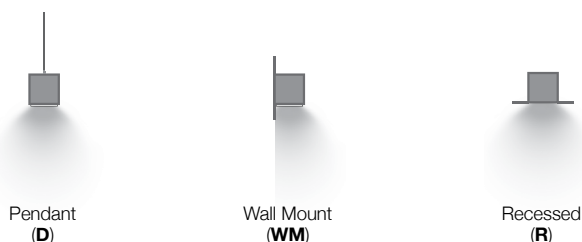
CROSS SECTIONS



GET MORE WITH TAILORED LIGHTING

- Tailored Length
- Tailored Angle
- Tailored Color
- Tailored Output
- Tailored Control

ALSO AVAILABLE IN



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

¹ "Shed the light on virus" article

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

Page 1

Submitted by:		Date:
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Ordering Info:		

High Performance 6" Aperture (HP-6) Surface Mount

BODY TYPE				OUTPUT AND LED TYPE		
Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Light Output (Flush)	
HP - High Performance	6 6 EO - Enhanced Output	SM - Surface Mount	D - Direct	Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.	D Output H - High (670 lm/ft) V - Very High (862 lm/ft) TL - Tailored: _____lm/ft*	EO D Output H - High (1514 lm/ft) V - Very High (1947 lm/ft) X - Extremely High (2203 lm/ft) TL - Tailored: _____lm/ft*

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

OUTPUT AND LED TYPE	MECHANICAL OPTIONS	ELECTRICAL OPTIONS		
LED CRI/CCT	Downlight	Reflector System	Voltage	Circuiting ¹
832-SMIC - 80 CRI, 3200K Single Mode Indigo-Clean	F - Flush (standard)	96LG - 96 Low Gloss White	120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage	SC - Single Circuit* One single circuit in a run MC - Multi-Circuit* More than one switch leg or zone. Factory shop drawings required
837-SMIC - 80 CRI, 3700K Single Mode Indigo-Clean				
843-SMIC - 80 CRI, 4300K Single Mode Indigo-Clean				

* Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)

ELECTRICAL OPTIONS	MOUNTING OPTIONS
Driver Selection	Ceiling Hardware Type
0-10V Driver Options FC-10% - 0-10V 10% ² (standard) FC-1% - 0-10V 1% ² OSR-10% - Osram OTi, 0-10V 10% ² OSR-1% - Osram OTi, 0-10V 1% ² ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% DALI Driver Options FC-DALI-1% - DALI 1% OSR-DALI-1% - Osram Dexal, 1% ELD-DALI-0% - EldoLED SOLOdrive, 0.1%	C1 - 1" T-Bar C2 - 9/16" T-Bar C3 - Screw Slot C4 - Hard Ceiling
DMX Driver Options ELD-DMX - EldoLED POWERdrive, 0.1% Lutron Driver Options LUT-ES1 - Lutron, Ecosystem 1% LUT-2W - Lutron, 2-wire (120V only) 1% See Page 3 for additional driver options and details	

OTHER OPTIONS				
Endcap Style	Finish	Emergency Style (Optional)	Integrated Sensor (Optional)	Special Options (Optional)
FE - Flat Endcap (standard)	SW - Signal White (standard) FB - Finelite Black ³ SA - Satin Aluminum ³ #### - RAL Color Code ³	FAC CHO - Factory Choice Battery Back-up EM/GN - Emergency to Generator NL - Night Light BSL722 - Bodine Battery Back up BSL310LP - Bodine Battery Back up Low Profile GTD - Generator Transfer Device ALCR - Automatic Load Control Relay	OBO - Occupancy OBD - Daylight OBE - Enlighbt ⁴	RLA - Red List Approved RLD - Declared

¹ Contact factory for switching options

² Add DTO to gain "Dim to Off" functionality (FC-10% - DTO)

³ 20 business days lead time for color

⁴ Enlighbt components installed by Finelite, provided by others

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

High Performance 6" Aperture (HP-6) Surface 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-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)

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-2W	Lutron, 2-wire (120V only) 1% Dimming

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

High Performance 6" Aperture (HP-6) Surface Mount

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision-cut 6061-T6 extruded aluminum body. Internal joiner system, plug-together wiring, standard.

LENGTHS: Any length, 2' minimum, in increments down to 1/16" ($\pm 1/32"$). 12' maximum section length.

MITERED CORNERS: Fully illuminated 90° corners in a single plane, with Flush diffuser, standard. Custom angles are available (90° minimum on inside corners). Consult factory for tailored lighting options.

OUTPUT AND LED TYPE

LIGHT OUTPUT: Lumen packages available for **HP-6 D:** High (**H**), and Very High (**V**). **HP-6 EO D:** High (**H**) and Very High (**V**), and Extremely High (**X**). For Tailored Outputs outside of range from High (**H**) to Very High (**V**), consult factory. Light engines are replaceable.

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 caused 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 (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.

MECHANICAL/OPTICAL OPTIONS

DOWNLIGHT OPTION: 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**) downlight diffusers. Consult factory for more tailored lumen outputs. 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.

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 powder coat paint.

ELECTRICAL OPTIONS

STATIC WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when luminaire current exceeds 5 amps.

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. 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 (LDE1)** - (Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series))
- **LUT-2W (LTEA2W)** - (Hi-lume 1% 2-wire, 120V forward phase dimming (LTEA series)).

MOUNTING OPTIONS

HANGING HARDWARE: Lay-in ceiling types: caddy clip with 1/4" - 20 stud and nut. Drywall or concrete surfaces (walls or ceilings): 1/4" - 20 stud and nut (provided by others).

OTHER FEATURES

ENDCAPS: Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire.

EMERGENCY STYLE: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery.

Backup Battery

	Factory Choice	Bodine BSL310LP	Bodine BSL722
HP6-P-D			
Min. Housing Length	6'	4'	6'
EM Lumen Output	1885	1220	1885
EM Section Illum.	2'	2' or 4'	2'
HP6-EO-P-D			
Min. Housing Length	6'	4'	6'
EM Lumen Output	2007	1193	2007
EM Section Illum.	2'	2' or 4'	2'

Continued

¹ "Shed the light on virus" article

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

High Performance 6" Aperture (HP-6) Surface Mount

SPECIFICATIONS

INTEGRATED SENSORS: Integrated PIR (Passive Infrared) occupancy or daylight sensors available with Flush 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**)² and Satin Aluminum (**SA**)² are standard. Optional Adders: 185 RAL colors².

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. Chicago Plenum options available for C1, C2, or C3 suspension using our GridBox. 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.

WEIGHT³: SM - 3.6 lb/ft; EO SM - 3.75 lb/ft

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

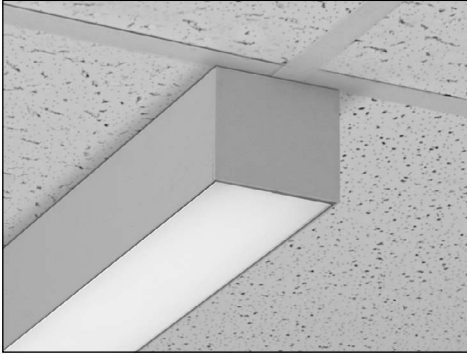
² 20 business days lead time for color

³ Excludes Battery Backup and Generator Transfer Device weight

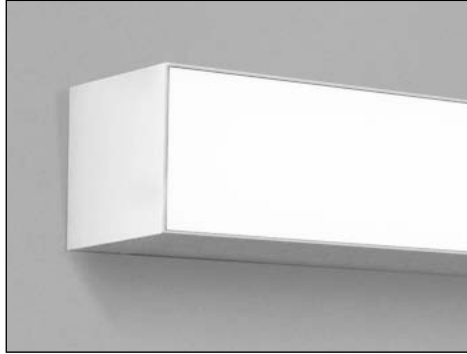
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 6" Aperture (HP-6) Surface Mount

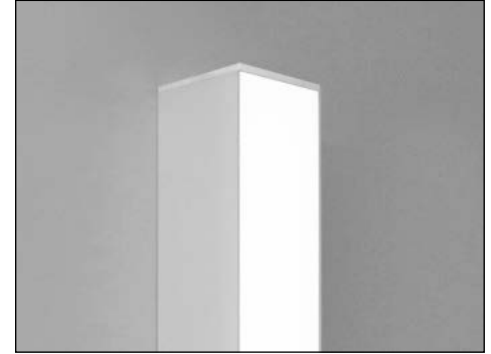
SURFACE MOUNT OPTIONS



Ceiling Surface Mount



Horizontal Surface Mount



Vertical Surface Mount

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

High Performance 6" Aperture (HP-6) Surface Mount

Direct Photometry - 4' Luminaire 3700K

HP6-SM-D-4'-V-837-F

Downlight: Flush Diffuser

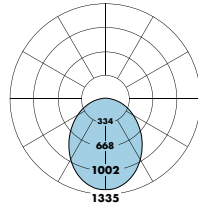
Efficacy: 93 lm/W

Total luminaire output: 3446 lumens (862 lm/ft)
37 watts (9.3 W/ft)

Peak Candela Value: 1242 @ 0°

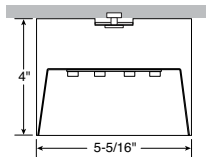
CRI: 80 / CCT: 3700K

TL LM79 Report 85124 (Family Correlated)



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1242	1242	1242	1242	1242	
5	1235	1235	1234	1234	1234	126
15	1179	1170	1175	1174	1168	355
25	1069	1056	1060	1054	1048	523
35	917	906	906	897	891	607
45	743	734	733	723	719	606
55	560	553	551	543	539	529
65	375	374	373	368	367	395
75	204	204	205	203	204	233
85	58	59	60	61	60	71
90	0	0	0	0	0	



Enhanced Output Direct Photometry - 4' Luminaire 3700K

HP6-EO-SM-D-4'-V-837-F

Downlight: Flush Diffuser

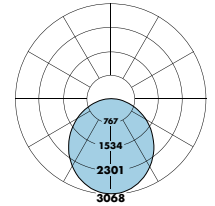
Efficacy: 111 lm/W

Total luminaire output: 7787 lumens (1947 lm/ft)
70 watts (17.5 W/ft)

Peak Candela Value: 3068 @ 0°

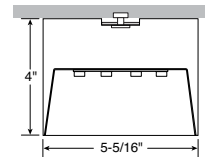
CRI: 80 / CCT: 3700K

TL LM79 Report 89078 (Family Correlated)



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	3068	3068	3068	3068	3068	
5	3054	3052	3052	3053	3052	290
15	2927	2911	2929	2929	2919	824
25	2675	2660	2677	2677	2668	1230
35	2334	2312	2333	2329	2324	1455
45	1929	1914	1928	1925	1920	1484
55	1488	1478	1487	1484	1481	1327
65	1032	1025	1030	1029	1030	1019
75	588	584	583	582	586	620
85	183	176	176	179	176	197
90	0	0	0	0	0	



Information in chart below is for reference and based on ITL LM79 report 85124

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

H ¹	V
2680	3446

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

H ¹	V
670	862

Power, 3700K (Watts Per Foot)

H ¹	V
7.1	9.3

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

H ¹	V
94	93

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 89078 (Family Correlated)

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

H ¹	V	X ¹
6057	7787	8812

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

H ¹	V	X ¹
1514	1947	2203

Power, 3700K (Watts Per Foot)

H ¹	V	X ¹
13.4	17.5	20.2

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

H ¹	V	X ¹
113	111	109

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

H - High Output, V - Very High Output

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: 3446 lm x 0.98 = 3377 lm

Total Light Output per Foot: 862 lm/ft x 0.98 = 845 lm/ft.

watts/foot: 9.3 W/ft.

$$\text{Efficacy} = \frac{845 \frac{\text{lm}}{\text{ft.}}}{9.3 \frac{\text{W}}{\text{ft.}}} = 91 \text{ lm/W}$$

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