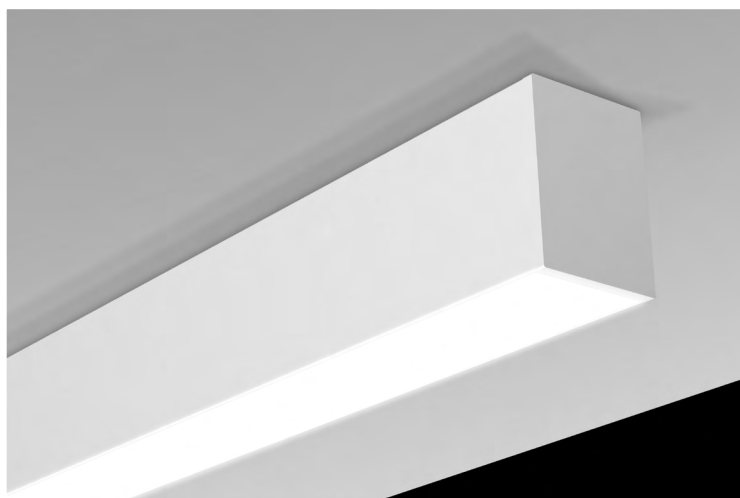


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 3" Aperture (HP-3) Surface Mount



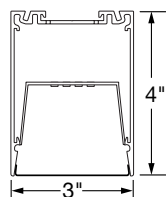
Signal White is standard finish

HP-3 is a compact, streamlined, 3-inch-wide linear luminaire with recycled aluminum housing, advanced optics, and mid-power LEDs, delivering 90% of its initial light output for over 100,000 hours. It features an innovative assembly design, an easy-to-use joiner for continuous runs, and seamless installation. Backed by a 10-year warranty, it is available in 179 RAL color options to suit any project.

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

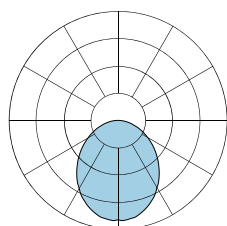
Surface Mount



Flush Downlight Diffuser
(standard)

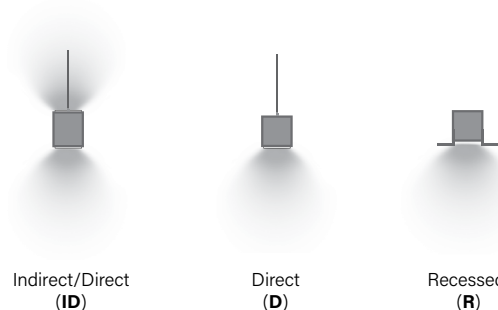
OPTIC OPTIONS

Standard Uplight
Flush Optic (F)



Standard Downlight
Flush Optic (F)

ALSO AVAILABLE IN



Declare.



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

High Performance 3" Aperture (HP-3) Surface Mount

BODY TYPE

OUTPUT AND LED TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Downlight Output (Flush)
HP - High Performance	3	SM - Surface Mount	D - Direct	<div>Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.</div>	<div>S - Standard (379 lm/ft) B - Boosted (477 lm/ft) H - High (721 lm/ft) V - Very High (927 lm/ft) TL - Tailored: _____ lm/ft*</div> <div>Lumen provided above are for Flush lens only, see pg. 11 for WW lumens. * Specify Tailored lm/ft of outputs between Standard (S) and Very High (V). Consult factory for tailored lumen output outside of this range.</div>

OUTPUT AND LED TYPE

MECHANICAL/OPTICAL OPTIONS

ELECTRICAL OPTIONS

LED CRI/CCT	Downlight Optics ID & D Only	Reflector System	Voltage	Circuiting ²
<div>830 - 80 CRI, 3000K 835 - 80 CRI, 3500K 840 - 80 CRI, 4000K 930 - 90 CRI, 3000K¹ 935 - 90 CRI, 3500K¹ 940 - 90 CRI, 4000K¹ 8TW - 80 CRI, Tunable White¹ 9TW - 90 CRI, Tunable White¹</div>	<div>F - Flush (standard) DAO-L - Downlight Asymmetric Optic Left DAO-R - Downlight Asymmetric Optic Right DSO - Downlight Spread Optic</div>	<div>96LG - 96 Low Gloss White</div>	<div>120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage</div>	<div>SC - Single Circuit* One single circuit in a run 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)</div>

ELECTRICAL OPTIONS

MOUNTING OPTIONS

OTHER OPTIONS

Driver Selection	Ceiling Hardware Type	Endcap Style	Finish
<div>0-10V Driver Options FC-10% - 0-10V 10% (standard) FC-1% - 0-10V 1% OTI-10% - EldoLED OTi, 0-10V 10%³ OTI-1% - EldoLED OTi, 0-10V 1%³ ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% 10V-TW-10% - EldoLED OTi, 0-10V 10% (Tunable White)³ DALI Driver Options FC-DALI-1% - DALI 1% DXL-DALI-1% - EldoLED Dexal, 1% ELD-DALI-0% - EldoLED SOLOdrive, 0.1% ELD-DALI-TW - EldoLED DUALdrive LightShape, 0.1% (Tunable White)</div>	<div>DMX Driver Options ELD-DMX - EldoLED POWERdrive, 0.1% ELD-DMX-TW - EldoLED POWERdrive, 0.1% (Tunable White) Lutron Driver Options LUT-ES1 - Lutron, Ecosystem 1% LUT-TW - Lutron T-Series, EcoSystem 0.1% (Tunable White) See Page 3 for additional driver options and details</div>	<div>C1 - 15/16" T-Bar C2 - 9/16" T-Bar C3 - Screw Slot C4 - Hard Ceiling</div>	<div>FE - Flat Endcap (standard) SW - Signal White (standard) FB - Finelite Black SA - Satin Aluminum #### - RAL Color Code ⁴ _____</div>

OTHER OPTIONS

Emergency Style (Optional) See page 5 Backup Battery table	Integrated Sensor (Optional)	Special Options (Optional)
<div>LGD18W - Legrand 18W Brand Battery Back up LGD10W - Legrand 10W Brand Battery Back up BSL310LP - Bodine Battery Back up Low Profile BSL10T3 - Bodine Battery Back up Low Profile Compact EM/GEN - Emergency to Generator NL - Night Light GTD - Generator Transfer Device ALCR - Automatic Load Control Relay See Backup Battery table on page 5 for fitment limitations</div>	<div>OBO1 - WS FS-305 w/ FS-L6 lens on/off (max mounting height 8") OCC Sensor OBO2 - WS FS-305 w/ FS-L3W lens on/off (max mounting height 20") OCC Sensor OBO3 - WS FS-305D w/ FS-L6 lens Dim to 50% (max mounting height 8") OCC Sensor OBO4 - WS FS-305D w/ FS-L3W lens Dim to 50% (max mounting height 20") OCC Sensor OBD - Daylight W601 - Wattstopper Sensor ⁵ OBE - Enlighted Sensor ⁶</div>	<div>REE - Remote Enlighted CLM-99 - Encelium RF SLM-99 - Encelium Sensor AOCC-W - Lutron Athena Sensor ⁷ (Device Color White) AOCC-B - Lutron Athena Sensor ⁷ (Device Color Black) ARF-W - Lutron Athena RF ⁷ (Device Color White) ARF-B - Lutron Athena RF ⁷ (Device Color Black) VOCC - Lutron Vive Sensor ⁸ VRF - Lutron Vive RF ⁸ CP - Chicago Plenum ⁹ RLA - Red List Approved ¹⁰ RLD - Red List Declared ¹⁰</div>

¹ DLC not available

² Contact factory for switching options

³ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)

⁴ 20 business days lead time for color

⁵ LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected.

LMFS-601 w/ Dalí driver, only 1 driver can be connected.

⁶ Enlighted components installed by Finelite, provided by others

⁷ 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

⁸ Lutron Vive Integrated Sensors require a DALI driver. Contact factory for Indirect Distribution.

⁹ Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox

¹⁰ Refer to page 5 for Declare Program Overview information

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

High Performance 3" Aperture (HP-3) 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)
10V-TW-10%	EldoLED OTi, 0-10V 10% Dimming, <i>Tunable White</i> (Linear)
10V-TW-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, <i>Tunable White</i> (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 0.1% Dimming, <i>Tunable White</i> (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)
ELD-DMX-TW	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (8 Bit, 2CH - CH1 Warm / CH2 Cool) (Linear)
ELD-DMX-TW16	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (16 Bit, 4CH - CH1, 2 Warm / CH3, 4 Cool) (Linear)

Lutron Driver Options

LUT-ES1	Lutron, Ecosystem 1% Dimming
LUT-TW	Lutron LD2 Dali-2 1%, <i>Tunable White</i>

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

High Performance 3" Aperture (HP-3) Surface Mount

SPECIFICATIONS

BODY TYPE

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

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

OUTPUT AND LED TYPE

LIGHT OUTPUT: Four lumen packages available, Standard (**S**), Boosted Standard (**B**), High (**H**), and Very High (**V**). For 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 Standard (**S**) to Very High (**V**), consult factory. Light engines are replaceable.

MECHANICAL/OPTICAL OPTIONS

DOWNLIGHT OPTION: 12' maximum diffuser length. Flush frost white snap-in diffuser standard, 77% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Available with Flush (**F**), Bottom Glow (**BG**), Downlight Spread Optic (**DSO**), Downlight Asymmetric Optic Left and Right (**DAO-L**, **DAO-R**). Consult factory for more tailored lumen outputs.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (L70) at 200,000+ 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 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.

TUNABLE WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when fixture current exceeds 5 amps. DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

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 100%-10% 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).

TUNABLE WHITE DRIVER: Replaceable LED driver. Driver is accessible from below the ceiling. 120V, 277V, and 347V.

Power factor: ≥0.90

Total Harmonic Distortion (THD): <20%

Dimming Range: 100%-10%

Expected driver lifetime: 100,000 hours

LUTRON TUNABLE WHITE DRIVER OPTION:

LUT-TW - Lutron LD2 Dali-2 1%, Tunable White.

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). Mounted with three equidistant suspension points.

TUNABLE WHITE DMX HANGING HARDWARE: For grid ceiling applications the dual GridBox™ mounting is supplied (standard). For hard ceiling applications the ceiling mounting box is supplied (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths. Available DMX pendant feed lengths are 5' (standard), 12', and 30'.

TUNABLE WHITE DMX INTERCONNECTION CABLES: Luminaires are prewired with plug-and-play interconnected cables to support easy plug-together joining of fixture runs. DMX to RJ45 adapters and an RJ45 terminator for every 32 DMX drivers are included.

OTHER OPTIONS

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		
	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP3-P-D		
Min. Housing Length	12'	8'
EM Lumen Output	2088	1243
EM Section Illum.	2'	2' or 4'

* 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 6.

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

High Performance 3" Aperture (HP-3) Surface Mount

SPECIFICATIONS

Bodine GTD and Legrand ALCR Min. Length	
Configuration	Min Length
Generator	D-2'
Generator + OCC	D-2'
Daylight	D-2'
Generator + Daylight	D-2'

TUNABLE WHITE ELECTRICAL OPTIONS:

TW Driver Options

- **0-10V:** EM/GEN, GTD or Battery Back Up
- **DMX:** Battery Back Up
- **DALI:** EM/GEN, GTD or Battery Back Up
- **LUTRON:** EM/GEN, GTD or Battery Back Up

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.

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 colors¹ 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. 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** (Red List Declared) to your part number ([Declared Program Overview](#)).

WEIGHT²: D - 2.8 lb/ft

WARRANTY: 10-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

¹ 20 business days lead time for color

² Excludes Battery Backup and Generator Transfer Device weight

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

High Performance 3" Aperture (HP-3) Surface Mount

Direct Photometry - 4' Luminaire 3500K

HP3-SM-D-4'-V-835-F

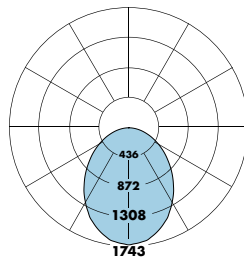
Downlight: Flush Diffuser

Efficacy: 122 lm/W

Total luminaire output: 4176 lumens (1044 lm/ft)
34.34 watts (8.6 W/ft)

CRI: 80 / CCT: 3500K

NLTL LM79 Report # LM-63-2002



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
2319	2902	3266	4176

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S ¹	B ¹	H ¹	V ²
579.8	725.5	816.5	1044

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
6.7	7.3	7.7	8.6

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S ¹	B ¹	H ¹	V ²
87	100	107	122

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on NLTL LM79 reports: REP-112024-05

Direct Photometry - 4' Luminaire 3500K

HP3-SM-D-4'-V-835-DAO

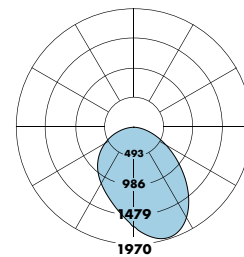
Downlight: Downlight Asymmetric Optic

Efficacy: 128 lm/W

Total luminaire output: 4425 lumens (1106 lm/ft)
34.47 watts (8.6 W/ft)

CRI: 80 / CCT: 3500K

NLTL LM79 Report # REP-020325-01



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
2458	3076	3462	4425

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S ¹	B ¹	H ¹	V ²
615	769	866	1106

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
6.7	7.3	7.7	8.6

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S ¹	B ¹	H ¹	V ²
92	105	113	128

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on NLTL LM79 reports: REP-020325-01

Direct Photometry - 4' Luminaire 3500K

HP3-SM-D-4'-V-835-DSO

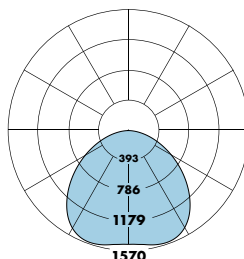
Downlight: Downlight Spread Optic

Efficacy: 127 lm/W

Total luminaire output: 4353 lumens (1088 lm/ft)
34.4 watts (8.6 W/ft)

CRI: 80 / CCT: 3500K

NLTL LM79 Report # REP-020325-04



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
2418	3026	3406	4353

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S ¹	B ¹	H ¹	V ²
605	757	852	1088

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
6.7	7.3	7.7	8.6

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S ¹	B ¹	H ¹	V ²
91	104	111	127

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on NLTL LM79 reports: REP-112024-05

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

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI		Lumen Adjustment Factors 90 CRI	
3000K	0.985	3000K	0.746
3500K	1.000	3500K	0.760
4000K	1.032	4000K	0.789

Standard Output (S), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 2319 lm x 0.789 = 1830 lm

Total Light Output per Foot: 580 lm/ft x 0.789 = 458 lm/ft.
watts/foot: 6.7 W/ft.

$$\text{Efficacy} = \frac{458 \frac{\text{lm}}{\text{ft.}}}{6.7 \frac{\text{W}}{\text{ft.}}} = 68 \text{ lm/W}$$

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

0-10V Tunable White

Finelite's contractor friendly Tunable White luminaires are available at low cost, with powerful and simple 0-10V tuning and intensity controls.

TUNABLE WHITE FEATURES

- CCT range: 2700K - 6500K
- Dimming Range: 100% to 10%
- CRI Options: 80 CRI or 90 CRI

Note:

Dim to Off options available.

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Direct	Section Lengths										
	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'
Output S,B,H,V Single Circuit	Rows can be comprised of 2'-12' sections. Tailored lengths available.										
Integral Battery Backup (BSL310LP)							✓		✓		✓
Indirect/Direct											
Output S,B Single Circuit	✓		✓		✓		✓		✓		✓
Integral Battery Backup (BSL310LP)							✓		✓		✓
Output H,V Single Circuit			✓				✓				✓
Integral Battery Not Available	Remote Battery backup solution available. Consult factory for tailored lighting options.										
Output S,B,H,V Dual Circuit			✓				✓				✓
Integral Battery Not Available	Remote Battery backup solution available. Consult factory for tailored lighting options.										

EN/GEN sections available for all body lengths

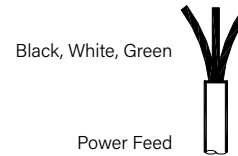
PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

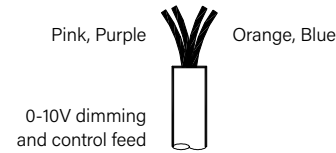
POWER	CONVERSION FACTOR
	1.1X

(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

DUAL FEED DETAIL



WIRING LEGEND		
Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	



WIRING LEGEND		
Pink	Dimming	0-10V DC
Purple	Dimming	0-10V DC
Orange	TW	0-10V DC
Blue	TW	0-10V DC

