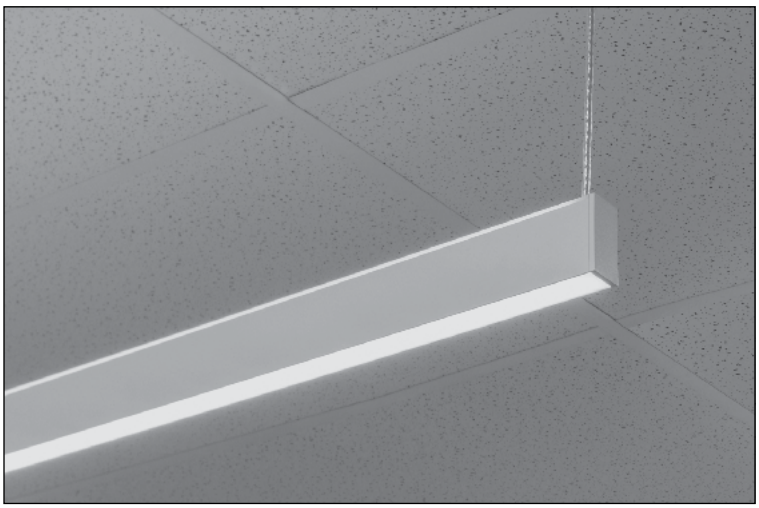
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

FINELITE®
Better Lighting

E2 Indirect/Direct (E2-ID) Linear



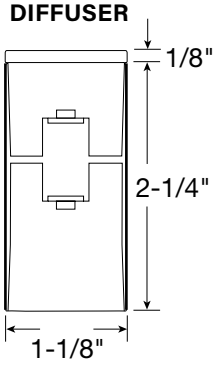
Signal White is standard finish Top Glow™ Shown

E2 Indirect/Direct (E2-ID) Linear provides excellent light output with a minimalist shape. Based on the Elements platform, E2 uses easy-to-install power supply boxes and power suspension cables that enable independent control of uplight and downlight.

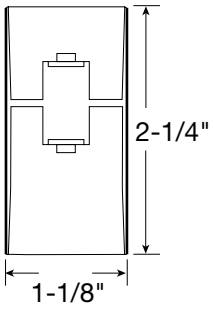
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Declared (RLD)** status.

CROSS SECTIONS

TOP GLOW DIFFUSER



FLUSH DIFFUSER

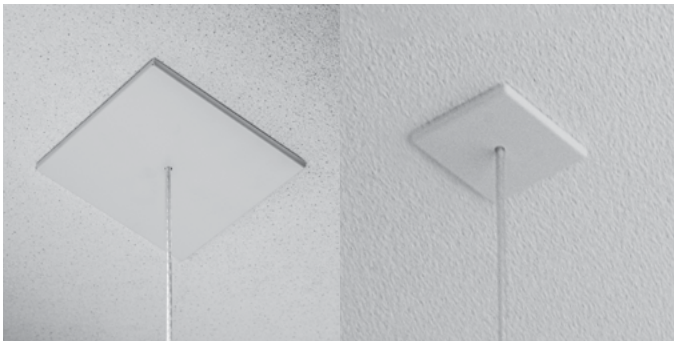


ELECTRICAL BOX OPTIONS

Low Profile T-Bar
Power Supply Box (shown)

Various electrical boxes to meet application needs. Drivers easily accessible. See page 2 for more information.

FEATURES



6" Canopy

3" Canopy

Finelite, Inc. • 30500 Whipple Road • Union City • CA 94587-1530 • P: 510-441-1100 • F: 510-441-1510 • www.finelite.com

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

FINELITE® Better Lighting

E2 Indirect/Direct (E2-ID) Linear

Clear Form

BODY TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run
◉ E - Elements	◉ 2	◉ P - Pendant	◯ ID - Indirect/Direct	Minimum 2' section length increments accurate to 1/16" (± 1/32"), standard. 8' maximum section length

OUTPUT and LED TYPE

Uplight Output ID	Downlight Output	LED CRI/CCT
◯ S - Standard (230 lm/ft)	◯ S - Standard (147 lm/ft)	◯ 830 - 80 CRI min, 3000K
◯ B - Boosted (290 lm/ft)	◯ B - Boosted (185 lm/ft)	◯ 835 - 80 CRI min, 3500K
◯ H - High (438 lm/ft)	◯ H - High (280 lm/ft)	◯ 840 - 80 CRI min, 4000K
◯ V - Very High (563 lm/ft)	◯ V - Very High (360 lm/ft)	◯ 930 - 90 CRI min, 3000K
◯ TL - Tailored: _____ lm/ft *	◯ TL - Tailored: _____ lm/ft *	◯ 935 - 90 CRI min, 3500K
		◯ 940 - 90 CRI min, 4000K

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

MECHANICAL/OPTICAL OPTIONS

Uplight Option ID Only	Downlight Option	Reflector System
◯ TG - Top Glow (Standard)	◯ F - Flush (Standard)	◯ 96LG - 96 Low Gloss White
◯ F - Flush Diffuser		

ELECTRICAL OPTIONS

Voltage	Circuiting [1]	Driver Selection [2]
◯ 120 - 120 Voltage	◯ SC - Single Circuit* One single circuit in a run	**0-10V Driver Options**
◯ 277 - 277 Voltage	◯ DC - Dual Circuit* Independent control of up and down separately in an I/D style fixture	◯ FC-10% - 0-10V 10% (standard) [3]
◯ 347 - 347 Voltage	*Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)	◯ FC-1% - 0-10V 1% [3]
		DALI Driver Options
		◯ FC-DALI-1% - DALI 1%
		Lutron Driver Options
		◯ LUT-ES1 - Lutron, Ecosystem 1%
		See Page 3 for additional driver options and details

MOUNTING OPTIONS

Mounting Method
◯ APC50 - Adjustable Power Cable 50" (Standard)
◯ APC100 - Adjustable Power Cable 100"
◯ APC150 - Adjustable Power Cable 150"

MOUNTING OPTIONS

Hardware [4]
◯ C1 - 15/16" T-Bar
◯ C2 - 9/16" T-Bar
◯ C3 - Screw Slot
◯ C4 - Hard Ceiling [5]
◯ OTS - Open to Structure

POWER BOX OPTIONS

Power Box *
◯ P01 - Low Profile with 6" canopy
◯ P02 - Large Capacity with 6" canopy
◯ P03 - Retrofit with 6" canopy
◯ P04 - Low Profile with 3" canopy
◯ P05 - Large Capacity with 3" canopy
◯ P01R - Remote Low Profile with 6" canopy
◯ P02R - Remote Large Capacity with 6" canopy
◯ P04R - Remote Low Profile with 3" canopy
◯ P05R - Remote Large Capacity with 3" canopy
Note: P01R, **P02R**, **P04R**, and **P05R** options include a Splice Box. Battery packs must be in Large Capacity Boxes.
* See Page 5 for Electrical Box Option.

Non-Power Supports
◯ S01 - Splice Box with 6" canopy
◯ S02 - Splice Box with 3" canopy
Splice box is only use for remote power box application. or non-power support

OTHER OPTIONS

Endcap Style
◯ FE - Flat Endcap

Finish
◯ SW - Signal White (Standard)
◯ FB - Finelite Black
◯ SA - Satin Aluminum
◯ #### - RAL Color Code [6] _____

OTHER OPTIONS

Emergency Style (Optional) Clear Selection	Integrated Sensor (Optional) Clear Selection	Special Options (Optional) Clear Selection
◯ BSL722 - Bodine Battery Back-up [7]	◯ OBO - Occupancy	◯ RLD - Red List Declared
	◯ OBE - Enlighted [8]	
	◯ REE - Remote Enlighted	
	◯ VOCC - Lutron Vive Wireless Sensor (VDO) [9]	
	◯ VRF - Lutron Vive Radio only [9]	
	Sensor will be install on the canopy.	

[1] Contact factory for switching options
[2] For Indirect/Direct lengths 3' and greater, separate dimming for uplight and downlight available
[3] Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)
[4] E2-ID does not mount directly in alignment to T-Bar Grid / On-Grid.
[5] C4 is used for sheetrock ceilings. Contact Factory for open ceiling applications.
[6] 20 Business day lead time for color
[7] EM/GEN: must be full length of luminaire section. EM feed must be on the same luminaire section as the EM lighting.
[8] Enlightened components installed by Finelite; Provided by OTHER
[9] Lutron Vive Integrated Sensors require a DALI driver

Finelite, Inc. • 30500 Whipple Road • Union City • CA 94587-1530 • P: 510-441-1100 • F: 510-441-1510 • www.finelite.com

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

FINELITE®
Better Lighting

E2 Indirect/Direct (E2-ID) Linear

Specifications

BODY TYPE

CONSTRUCTION: Precision cut 6061-T6 extruded aluminum body. Top Glow™ diffuser snaps into place and is easily removed for service.

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. For Tailored Outputs outside of range from Standard (**S**) to Very High (**V**), consult factory. Light engines are replaceable.

MECHANICAL FEATURES

UPLIGHT OPTION: The Top Glow diffuser is frost white standard. Coupled with light engine design, the diffuser spreads the light evenly for enhanced ceiling uniformity. Optional: Flush frost white snap-in diffuser.

DOWNLIGHT OPTION: Flush frost white snap-in diffuser standard. Coupled with light engine design, the diffuser spreads the light evenly for enhanced distribution.

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

ELECTRICAL FEATURES

STATIC WHITE FEED: Standard suspension is conductive feed/suspension cable. The adjustable power cable (APC) comes standard in 50" length. 4-conductor cable standard delivering independent uplight and downlight control. Field adjustable length. Max support spacing every 8'. Contact factory for additional 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 10% - 100%. Dimming to 1% available; Consult factory. 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 STATIC DRIVER OPTIONS:

- **LUTES1 (LDE1) -** Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series)

MOUNTING TYPE

HANGING HARDWARE: Standard E2-ID Linear mounting is off-grid. Bar Hangers for mounting power supply boxes to joists are ordered separately. Consult Electrical Box Options (Page 2) for maintenance details.

OTHER FEATURES

ENDCAP: 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. Battery packs must be in Large Capacity Boxes.

INTEGRATED SENSORS: Integrated Occupancy Sensors can be located in the canopy. Sensors are available when using the following power supply boxes: Low Profile T-Bar (**P01**), Large Capacity (**P02**), and Retrofit (**P03**) power supply boxes.

FINISHES: Finelite Signal White (**SW**) powder coat standard. Finelite Black (**RAL 9005**) with semi gloss fine texture (**FB**) and Satin Aluminum (**SA**) are available. Optional Adders: 179 RAL colors.[1]

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, contact factory for more details. 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. E2 can be used to comply with 2016 Title 24, Part 6 (JA8); high efficacy LED light source requirements. Finelite makes the specification process easy when putting healthier products on your projects. Simply add **RLD** (Red List Declared) to your part number.

WEIGHT: 1.0 lb per foot. 8' luminaire 8 lbs.

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 day lead time for color

Continued

Finelite, Inc. • 30500 Whipple Road • Union City • CA 94587-1530 • P: 510-441-1100 • F: 510-441-1510 • www.finelite.com

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

FINELITE® Better Lighting

E2 Indirect/Direct (E2-ID) Linear

ELECTRICAL BOX OPTIONS

E2 can be specified with power supply boxes to meet specific application needs. From new to retrofit, T-Bar to drywall, to fully remote, E2 power supply boxes install quickly and easily. Power supply boxes are IC Rated. Chicago Plenum available.

Code	Description	Canopy	# of Drivers Max	Ceiling Type	Driver Access	Battery Backup
P01	Low Profile T-bar Power Supply Box	6"	2	T-bar	Above Ceiling	No
P02	Large Capacity Power Supply Box	6"	4 or 2 w/battery	Drywall or T-bar	Below Ceiling	BSL722
P03	Retrofit Power Supply Box	6"	2	Drywall or T-bar	Below Ceiling	No
P04	Low Profile T-bar Power Supply Box	3"	2	T-bar	Above Ceiling	No
P05	Large Capacity Power Supply Box	3"	4 or 2 w/battery	T-bar	Above Ceiling	BSL722
P01R	Remote Low Profile T-bar Power Supply Box	6"	2	T-bar	Above Ceiling	No
P02R	Remote Large Capacity Power Supply Box	6"	4 or 2 w/battery	Drywall or T-bar	Below Ceiling	BSL722
P04R	Remote Low Profile T-bar Power Supply Box	3"	2	Drywall or T-bar	Above Ceiling	No
P05R	Remote Large Capacity Power Supply Box	3"	4 or 2 w/battery	Drywall or T-bar	Above Ceiling	BSL722
S01	Splice Box	6"	N/A	N/A	N/A	N/A
S02	Splice Box	3"	N/A	N/A	N/A	N/A
For Open Ceilings Use a Remote Power Supply Box Solution						
P01R	Remote Low Profile T-bar Power Supply Box	6"	2	Open Ceiling	Below Ceiling	No
P02R	Remote Large Capacity Power Supply Box	6"	4 or 2 w/battery	Open Ceiling	Below Ceiling	BSL722

Note:
- **P01R**, **P02R**, **P04R**, and **P05R** options include a Splice Box.
- **S01** and **S02** Splice box is only use for remote power box application or non-power support.

LOW PROFILE T-BAR POWER SUPPLY BOX (P01)

Dimensions: 10-1/8"W x 16-1/8"L x 1-11/16"D

- T-Bar only
- Two drivers maximum per box (illuminates up to 8')
- Includes easy leveling system from below ceiling
- Access drivers from above ceiling for simple maintenance
- (7) ½" feed knockouts available to connect building power
- Optional Occupancy sensor located in canopy for a clean aesthetic

LARGE CAPACITY POWER SUPPLY BOX (P02)

Dimensions: 10"W x 23"L x 4"D

- T-Bar or Drywall ceiling compatible [1]
- Four drivers maximum per box or two drivers and one EM battery pack (illuminates 4' only) for egress
- Includes easy leveling system from below the ceiling
- Access to drivers from below ceiling to reduce maintenance time
- (4) ½" feed knockouts available to connect building power
- Optional Occupancy sensor located in canopy for a clean aesthetic

RETROFIT POWER SUPPLY BOX (P03)

Dimensions: 5"W x 14-3/8"L x 8-3/4"D

- T-Bar or Drywall ceiling compatible [1]
- Two drivers maximum per box
- Includes easy leveling system from below ceiling
- Access to drivers from below ceiling to reduce maintenance time
- (4) ½" feed knockouts available to connect building power
- Optional Occupancy sensor located in canopy for a clean aesthetic

[1] Contact Factory for open ceiling applications.

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

FINELITE®
Better Lighting

E2 Indirect/Direct (E2-ID) Linear

ELECTRICAL BOX OPTIONS

LOW PROFILE T-BAR POWER SUPPLY BOX (P04)

Dimensions: 10-1/8"W x 16-1/8"L x 1-11/16"D

- Small aperture for clean ceiling line.
- T-Bar only
- Two drivers maximum per box (illuminates up to 8')
- Includes easy luminaire leveling system from below ceiling
- Access drivers from above ceiling for simple maintenance.
- (7) ½" feed knockouts available to connect building power.
- Due to size restrictions, P04 does not accommodate integral sensors.

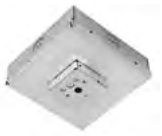
SPLICE BOX WITH 6" CANOPY (S01)

Dimensions: 5"W x 5"L x 2-3/8"D

- T-Bar or Drywall ceiling compatible [1]
- Includes easy leveling system from below ceiling

SPLICE BOX WITH 3" CANOPY (S02)

Dimensions: 5"W x 5"L x 2-3/8"D



- T-Bar or Drywall ceiling compatible [1]
- Includes easy leveling system from below ceiling

Note: The Splice box is only used for remote power box applications.

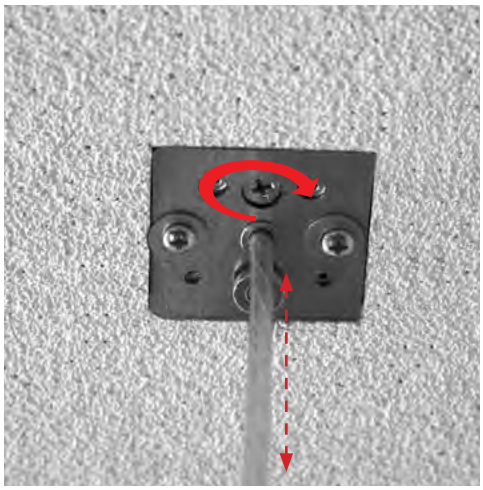
LARGE CAPACITY POWER SUPPLY BOX WITH 3" CANOPY (P05)

Dimensions - 10"W x 23"L x 4"D

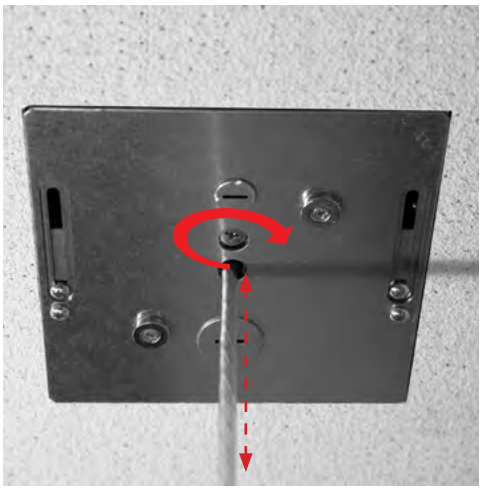
- Small aperture for clean ceiling line.
- T-Bar only
- Access to drivers from above ceiling only
- Four drivers maximum per box (illuminates up to 16')
- Includes easy luminaire leveling system from below the ceiling
- (4) ½" feed knockouts available to connect building power
- Due to size restrictions, P05 does not accommodate integral sensors.

Note: Battery packs must be in Large Capacity Boxes.

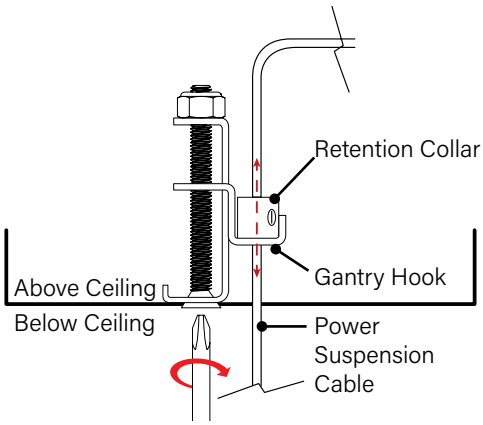
EASY LEVELING SYSTEM ON ALL BOXES



3" Canopy



6" Canopy



Leveling Screw

Scan this QR code with your mobile phone or tablet to watch video

E2-ID Configuration includes a patent pending leveling system for simple individual suspension adjustment for a consistent luminaire sightline.

[1] Contact Factory for open ceiling applications.

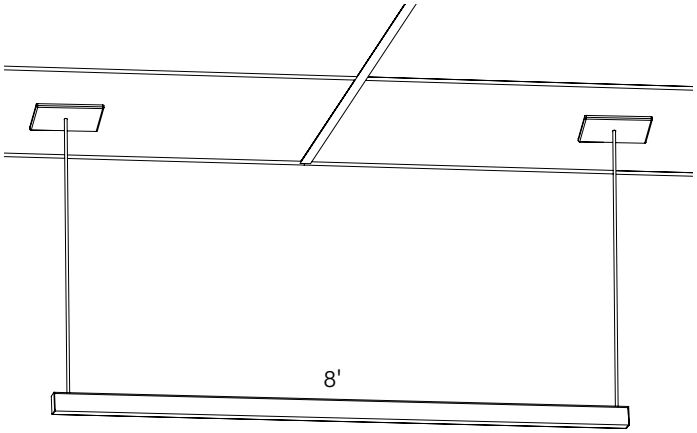
Submitted by:	Date:
Type:	Project:
Ordering Info:	

E2 Indirect/Direct (E2-ID) Linear

ELECTRICAL BOX OPTIONS

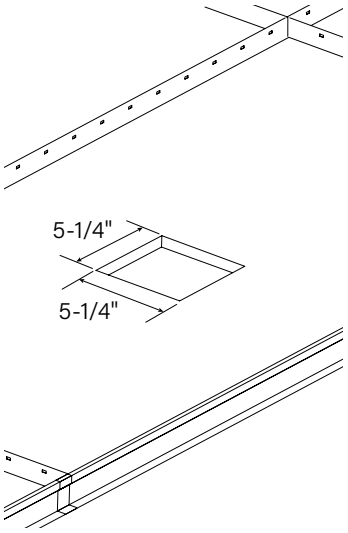
MOUNTING

8-foot maximum section length. Standard off-grid mounting. A single cable suspends and carries power to the luminaire for a consistent and uniform visual aesthetic throughout the installation.

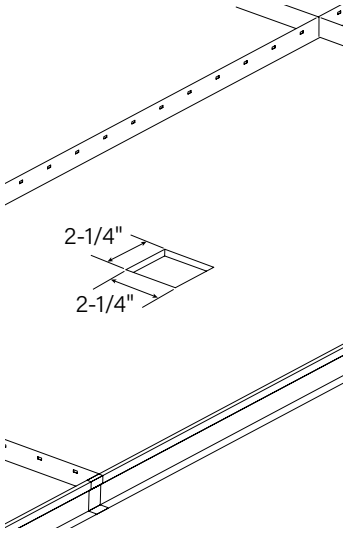


ROUGH-IN

T-Bar or Drywall



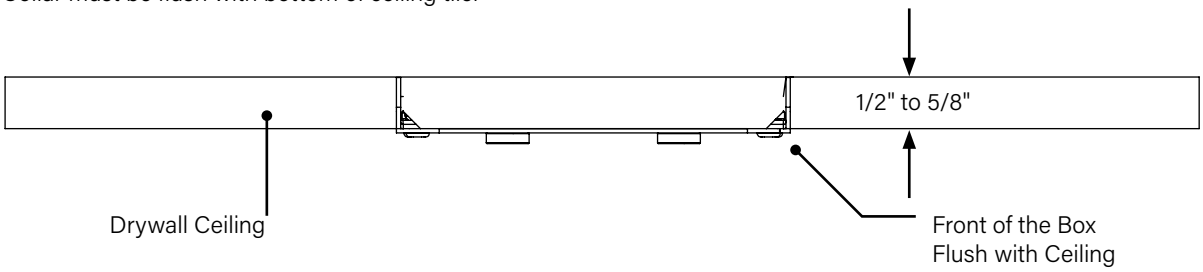
6" Canopy



3" Canopy

ROUGH-IN THICKNESS

Collar must be flush with bottom of ceiling tile.



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

FINELITE® Better Lighting

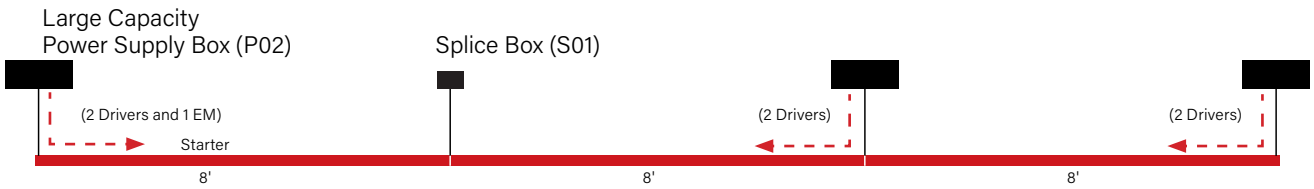
E2 Indirect/Direct (E2-ID) Linear

ELECTRICAL BOX SPECIFICATION

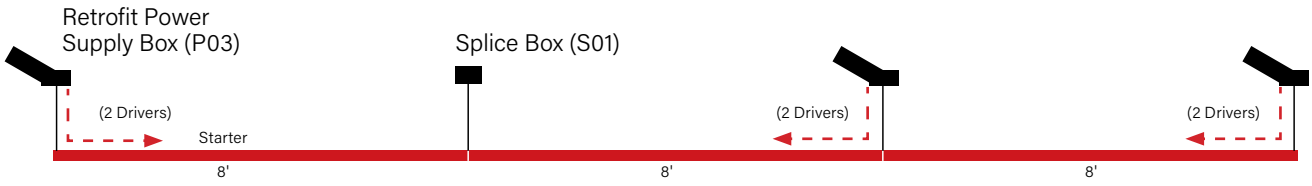
(For more details, refer to www.finelite.com for the Electrical Box Specification Guide.)

A. 24' run with Low Profile T-Bar Power Supply Boxes (P01). Two drivers in each box. T-Bar ceiling.

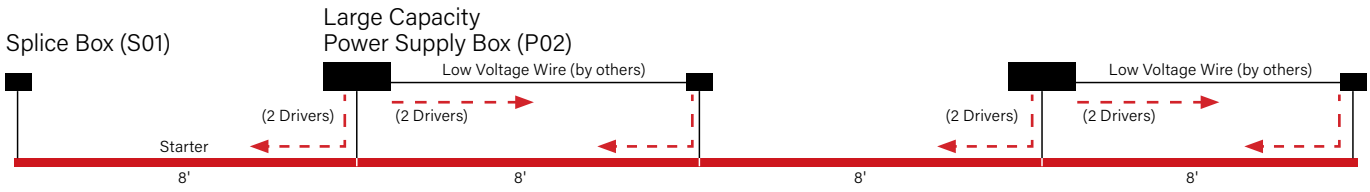
B. 24' run with Large Capacity Power Supply Boxes (P02). Two drivers and one battery backup* in first box. Drywall or T-Bar ceiling.



C. 24' run with Retrofit Power Supply Boxes (P03). Two drivers in each box. Drywall or T-Bar ceiling.



D. 32' run with Large Capacity Power Supply Boxes (P02). Four drivers in each box. Drywall or T-Bar ceiling.



* **Note:** Standard battery backup section is for 4' downlight only.

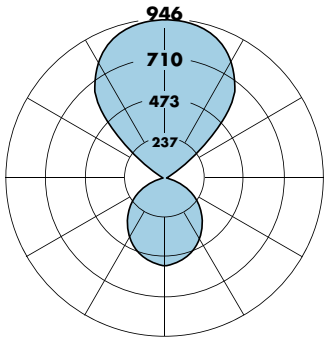
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

FINELITE® Better Lighting

E2 Indirect/Direct (E2-ID) Linear

Indirect/Direct - 4' Luminaire 3500K

E2-ID-L-4'-V-V-835-F-F
Uplight: Flush / **Downlight:** Flush
Distribution: 61% Up (**V**) / 39% Down (**V**)
Efficacy: 99 lm/W
Uplight: 2250 lumens (563 lumens/ft)
Downlight: 1440 lumens (360 lumens/ft)
Total luminaire output: 3690 lumens (923 lumens/foot)
37.2 watts (9.3 watts/foot)
CRI: 80 / CCT: 3500K
ITL LM79 Report 89277



Total Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	↑S[1]	↑B[1]	↑H[1]	↑V[2]
↓S[1]	1511 [↑61% | 39%↓]	1747 [↑66% | 34%↓]	2339 [↑75% | 25%↓]	2839 [↑79% | 21%↓]
↓B[1]	1662 [↑55% | 45%↓]	1899 [↑61% | 39%↓]	2491 [↑70% | 30%↓]	2991 [↑75% | 25%↓]
↓H[1]	2041 [↑45% | 55%↓]	2278 [↑51% | 59%↓]	2870 [↑61% | 39%↓]	3370 [↑67% | 33%↓]
↓V[1]	2361 [↑39% | 61%↓]	2598 [↑45% | 55%↓]	3190 [↑55% | 45%↓]	3690 [↑61% | 39%↓]

Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	↑S[1]	↑B[1]	↑H[1]	↑V[2]
↓S[1]	378	437	585	710
↓B[1]	416	475	623	748
↓H[1]	510	569	718	843
↓V[1]	590	649	798	923

Power, 3500K, 80 CRI (Watts Per Foot)				
	↑S[1]	↑B[1]	↑H[1]	↑V[2]
↓S[1]	3.8	4.3	5.5	6.6
↓B[1]	4.3	4.8	6.0	7.0
↓H[1]	5.5	6.0	7.2	8.3
↓V[1]	6.6	7.0	8.3	9.3

Efficacy, 3500K, 80 CRI (Lumens Per Watt)				
	↑S[1]	↑B[1]	↑H[1]	↑V[2]
↓S[1]	99	101	106	108
↓B[1]	96	99	104	106
↓H[1]	93	95	100	102
↓V[1]	90	92	97	99

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
[1] Based on 4' luminaire 3500K Very High Output (**V**) test - 120V.
[2] Based on ITL report: 89277

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	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (**H**) / Standard Output (**S**), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 2339 lm x 0.789 = 1846 lm
Total Light Output per Foot: 585 lm/ft x 0.789 = 462 lm/ft.
watts/foot: 5.5 W/ft.

$$\textbf{Efficacy} = \frac{462\ \frac{\text{lm}}{\text{ft.}}}{5.5\ \frac{\text{W}}{\text{ft.}}} = 84\ \text{lm/W}$$