inter•lux	SM20LDL 20 Linear Surface LED INSTALLATION INSTRUCTIONS	WEIGHT:	FINISH: White (Standard)	WG-SM20LDL

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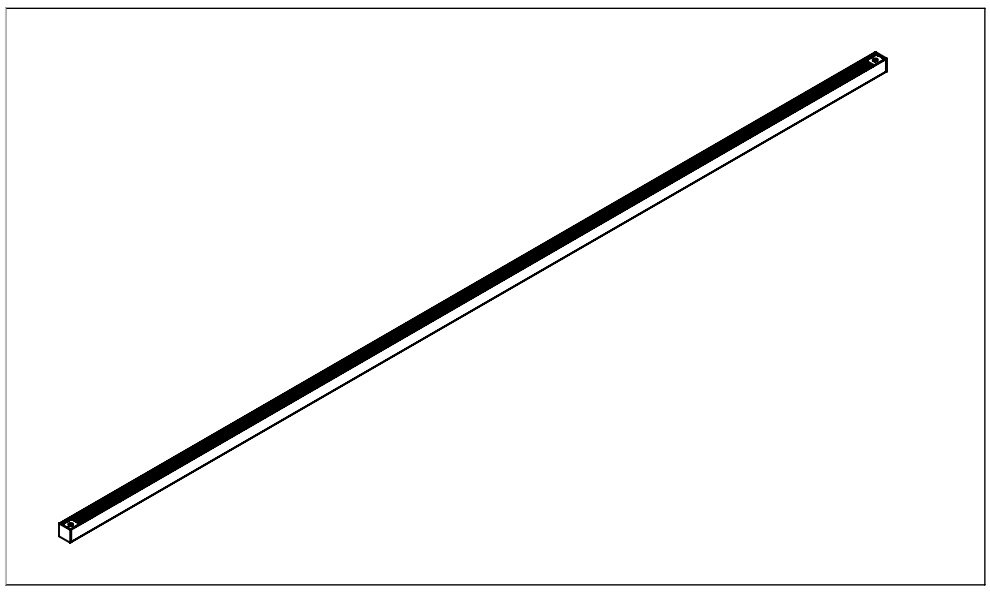
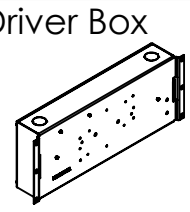
ISOMETRIC VIEWS

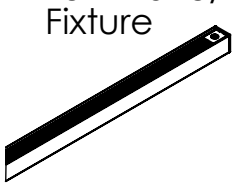


PACKAGE MAY INCLUDE: (refer to package list to identify parts)

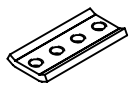
Driver Box



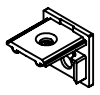
Luminaire/ Fixture



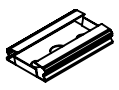
Joiner



Endcap

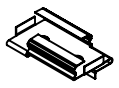


Mounting Clip



Scew Clip (with mounting screws): 3 per housing

or



Grid Clip: 3 per housing

or

Magnetic Clip (with mounting screw): 1 per foot

ITEMS NEEDED (SUPPLIED BY OTHERS):

Phillips Head Screwdriver
#2 Screwdriver

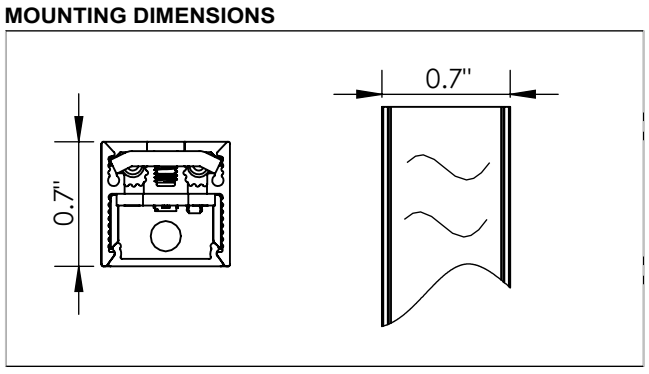
M3 & M4 Hex head Allen Key

Wire Connectors

Wire Strippers

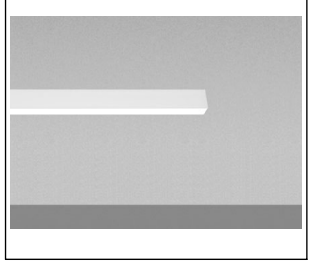
Drill

MOUNTING DIMENSIONS



MOUNTING OPTIONS

Surface Mount



INSTALLATION INSTRUCTIONS

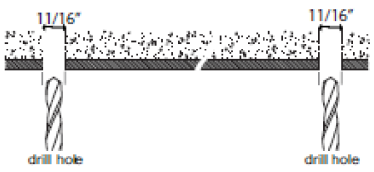
LOCATE AND REVIEW ANY CONSTRUCTION PLANS AND INTERLUX RECORD DRAWINGS FOR ALL FIXTURE RUNS.
It is recommended to locate and lay out all components for each fixture "run". A fixture run typically consist of endcaps, joiners, mounting clips, lengths of SM20 light and power supply(ies).
BE SURE TO IDENTIFY ALL CORRECT LENGTHS AND DRIVERS FOR EACH FIXTURE RUN.

Step 1: Turn off Power before Installing

Install and Mount driver boxes per construction plans. Wire high voltage power feeds and dimming or control leads if applicable. See wiring diagram on next page if needed. Output leads will be connected later after fixtures are installed.

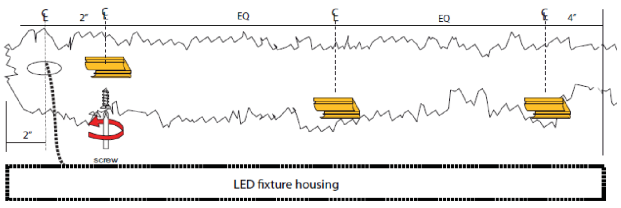
See Page 2 for Wiring Diagram

Step 2: Mark out holes for wiring entrance 2" from end of each LED fixture housing. Drill holes 11/16" diameter for supply wires.

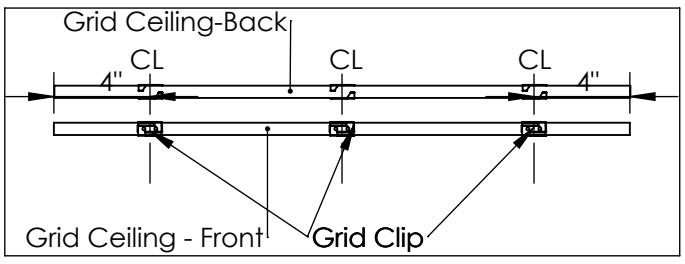


Step 3: Mounting Clips

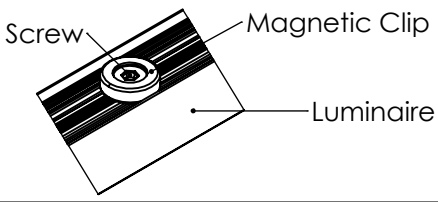
Screw Clip - Mark out holes for mounting clips. Secure mounting clips to ceiling using provided mounting screws. Install clips 4" from end of each housing and one at center.



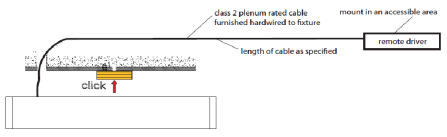
Grid Clip - Twist grid clips onto grid ceiling. Install clips 4" from end of each housing and one at center.



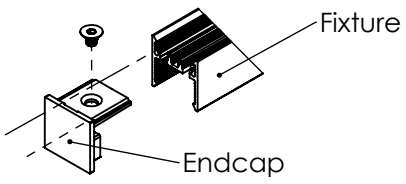
Magnetic Clip - Secure Magnetic clip directly to SM20 Luminaire, evenly distribute clips throughout fixture run. Tighten screw using allen key.

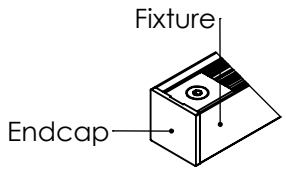


Stand-Alone Step 4: Feed power cables from fixture through drilled supply holes. Mount fixture to ceiling via previously installed mounting clips. Connect fixture feed cables to remote driver (See wiring diagram on Page 2). Energize and test for proper operation.



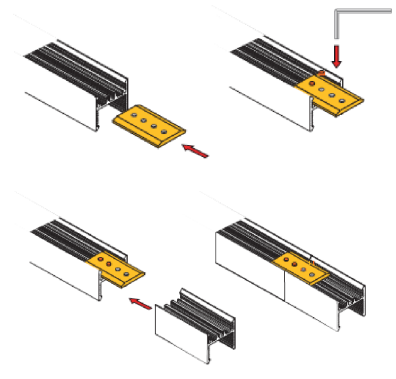
Continuous Run Step 4: Install endcap on first and last fixture. Secure endcap by tightening set screw.

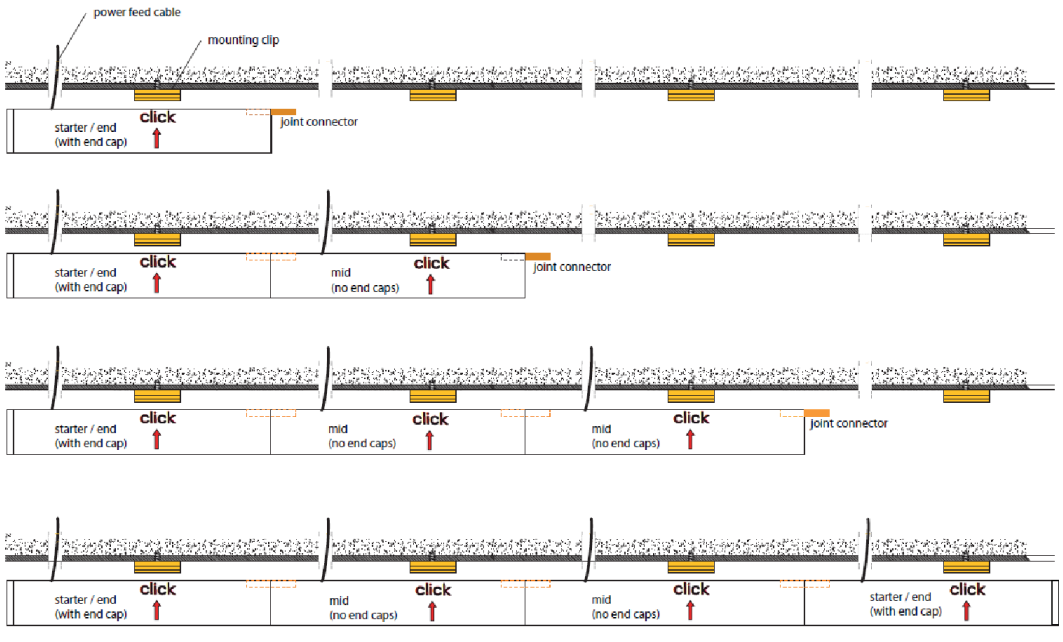




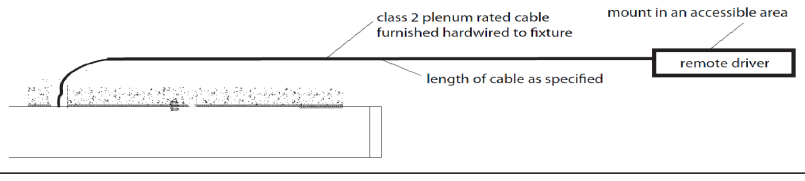
Continuous Run Steps 5-7 :

5: Slide joiner into the fixture so that half of the joiner is still exposed. **6:** Feed power cable from fixture through drilled supply holes. Mount fixture to ceiling via previously installed mounting clips. **7:** Slide the adjoinging fixture onto joiner until butted against each other. Repeat steps 5-7 until you reach final section of the fixture run.





Continous Run Step 8: Connect feed cables to remote driver (See wiring diagram on pg. 2). Energize and test for proper operation.



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DRAWING NOT TO SCALE REV N/C

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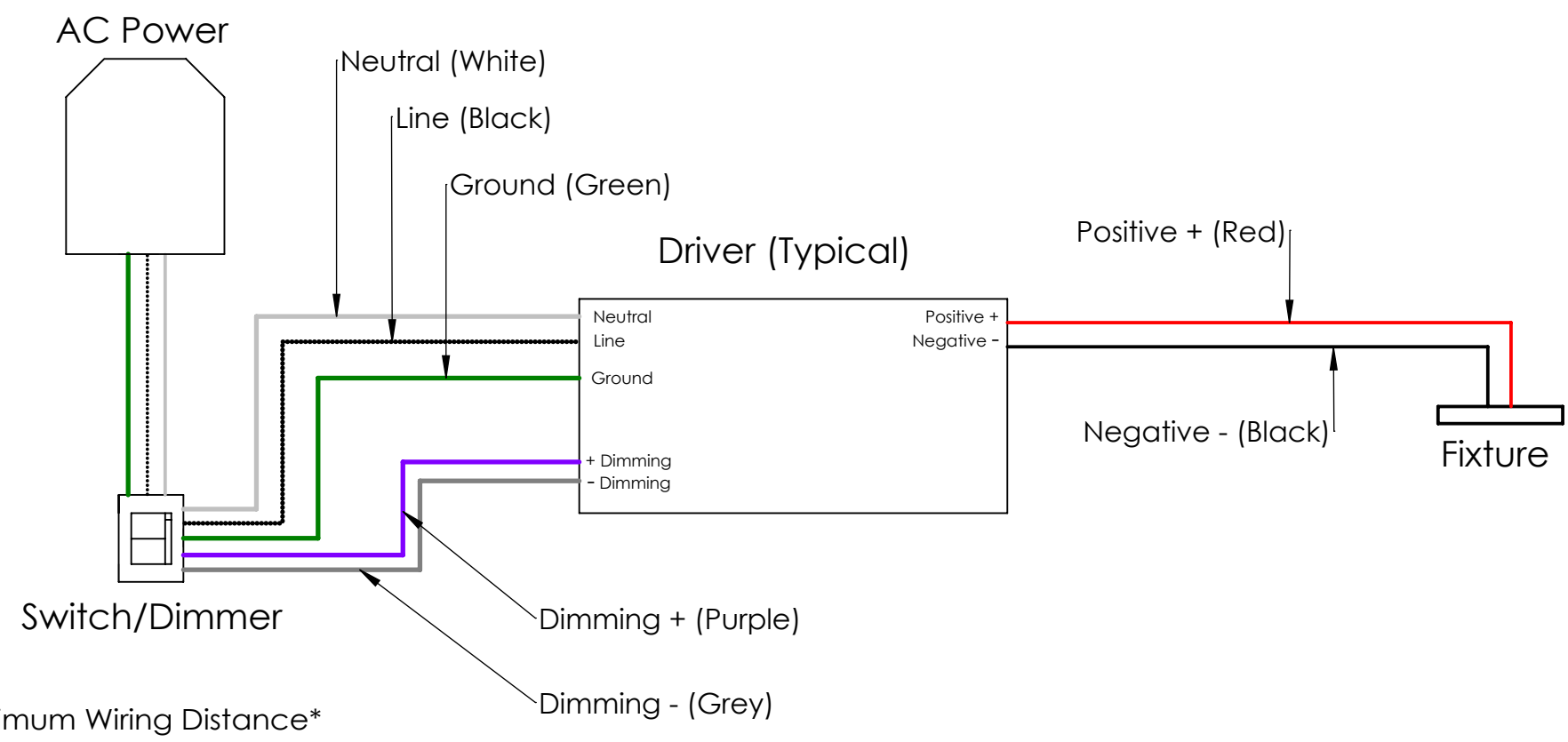
Wiring Key



Maximum Wiring Distance*

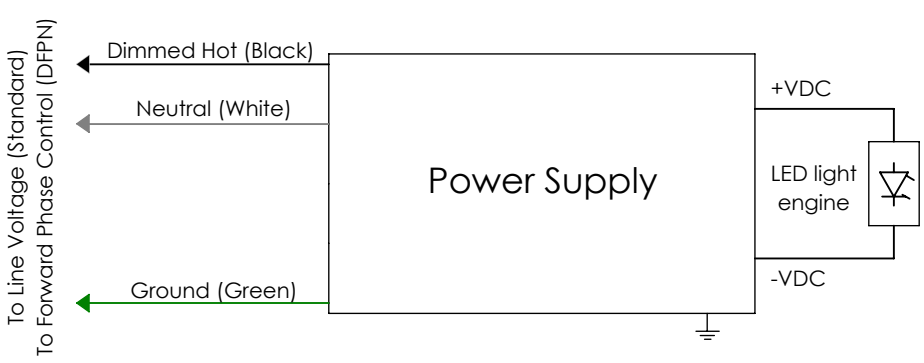
Wire Gauge	Maximum Lead Length			
	Osram			Lutron
	≤ 48W	≤ 72W	≤ 96W	≤ 40W
#18AWG	37'	25'	18'	15'
#16AWG	59'	39'	29'	25'
#14AWG	95'	63'	47'	40'
#12AWG	151'	101'	75'	60'

*Actual Voltage drop to be calculated by installer

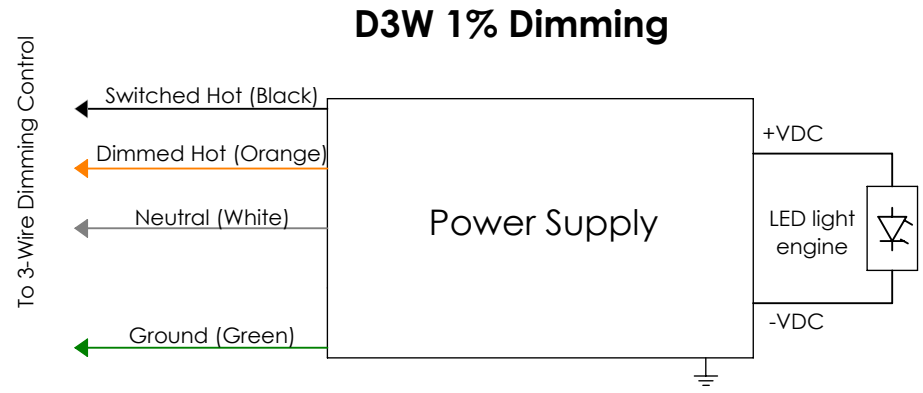
Red	Black	Green	Black	White	Purple	Grey
Positive	Negative	Ground	Line	Neutral	Dimming +	Dimming -

Driver Wiring Diagrams

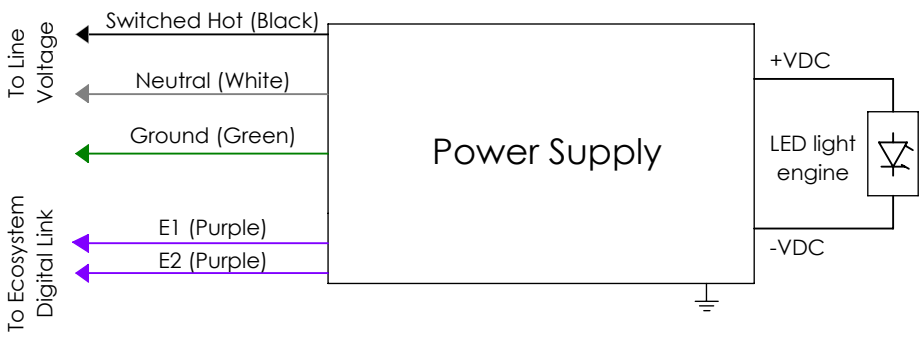
Standard Non-Dimming/DFPN Dimming



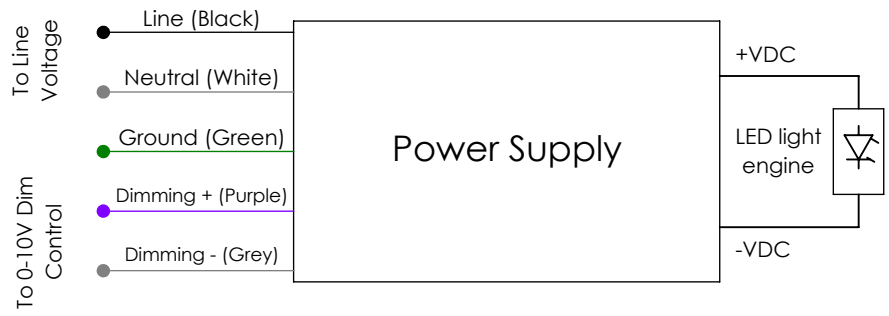
D3W 1% Dimming



DES 1% Dimming



0-10V Dimming



NOTE: ALL DRIVERS ARE INTER-LUX PROVIDED. FOR NON INTER-LUX DRIVERS PLEASE REFER TO DRIVER MANUFACUTERS. THE USE OF NON INTER-LUX DRIVERS VOIDS PRODUCT WARRANTY

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