C-Flex

TYPE C PLL/BIAX 2G11 BASE LED RETROFIT KIT
GREAT SOLUTION FOR HARD TO REPLACE FIXTURES

- Lutron compatible control systems.
  - EcoSystem digital control – dims down to 1%
  - 3–wire phase control – dims down to 1%
- 0-10V – dims down to 5%.
- Comes in two different sizes, 17" and 22".
- DALI digital - dims down to 1%.
- Line voltage dimming (LVD) - 5%. 120V only for dimming.
- Retrofit for over 50% less than installing a new fixture.
- Simplest & safest way to achieve energy savings.
- Keep existing fixtures, sensors and control system.
- No mess/fixture recycling. No need to break ceiling plane.
- Substantial maintenance and energy savings.
- Optimize local utility rebates.

5 YEAR WARRANTY

120-277V
EXT DRIVER / LVD =120V DIMMING ONLY

0-10V
DIMMING DIMS DOWN TO 5%

LUTRON ECOSYSTEM & 3-WIRE

80+
CRI

20% THD
>90
PWR FACTOR

32°F TO 104°F
OPERATING TEMP

TYPE C RETROFIT

ETL CLASSIFIED
Intertek
5018068

DLC LISTED

When searching the DLC QPL, use quotation marks around our brand name or Part # ("C-Flex" or "PLL-2.5K-1L-835-3W-M") or visit our web-site for a file that contains the DLC Product ID.

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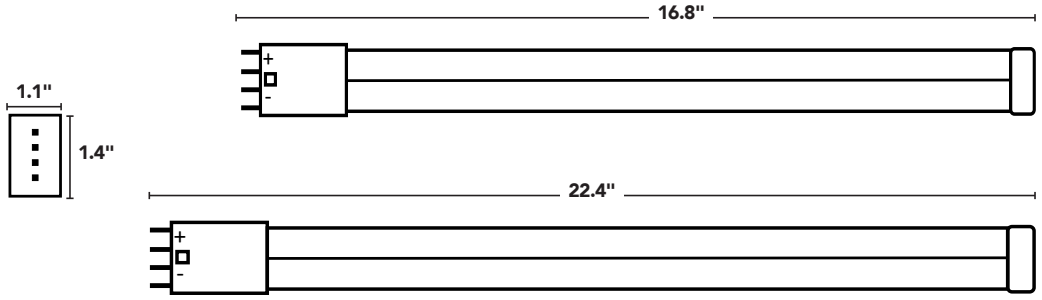
C-Flex PLL/BIAX PIN-BASED LAMP LED RETROFIT KIT



PART NUMBER BUILDER (SEE CONFIGURATION TABLE ON PG.3 FOR AVAILABLE CONFIGURATIONS BY DRIVER TYPE)

MFR	TYPE	LUMENS/#OF LAMPS	COLOR	DRIVER	CASE	GEN	OPTIONS
RP	PLL	17" ---- 2.0K-1L, 4.0K-2L, 6.0K-3L 22" ---- 2.5K-1L, 5.0K-2L, 7.5K-3L	**830** = 3000K **835** = 3500K **840** = 4000K	**E1** = LUTRON ECO SYSTEM 1DIMS DOWN TO 1% **3W** = LUTRON 3 WIRE DIMS DOWN TO 1% (3 LAMP CONFIGURATION NOT AVAILABLE) **10V** = 0-10V DIMMING - (PLL KITS WITH M CASE DRIVER REQUIRE WATTAGE OPTION. SEE CONFIGURATION TABLE BELOW FOR SETTINGS) DIMS DOWN TO 5% **LVD** = LINE VOLTAGE DIMMING (5% DIMMING TYPICAL. 120V/277V SWITCHED; 120V ONLY FOR DIMMING)	**K** = SQUARE W/STUDS **KN** = SQUARE W/O STUDS **M** = LINEAR (SEE DIMENSIONS ON PG. 5)	G2	**-EMG** **-W** **-B** SEE TABLE BELOW

EXAMPLE PART NUMBER PLL-2.5K-1L-835-3W-M-G2-EMG

OPTIONS

EMG	W	B
EMERGENCY BATTERY BACKUP (See page 3 for more details)	**SPECIFIC WATTAGE** (Only required with 0-10V M-case driver option See below for wattage and lumen options)	**BULK PACK OPTIONS** **B24** = 1-lamp kit **B12** = 2-lamp kit **B8** = 3-lamp kit **B6** = 4-lamp kit

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C-Flex PLL/BIAX PIN-BASED LAMP LED RETROFIT KIT

COMMON DRIVER/EMG CONFIGURATIONS (SEE PG. 4)

E1 DRIVER

PART #	LAMP LENGTH	LAMPS PER DRIVER	SYSTEM WATTAGE	SYSTEM LUMENS	EMG [SEE PG. 4 FOR CONFIGURATIONS]
RP-PLL-2.0K-1L-8XX-E1-C-G2	17"	1 LAMP	20	2000	CONFIGURATION A
RP-PLL-4.0K-2L-8XX-E1-C-G2		2 LAMPS	40	4000	CONFIGURATION B
RP-PLL-6.0K-3L-8XX-E1-C-G2		3 LAMPS	60	6000	CONFIGURATION C
RP-PLL-2.5K-1L-8XX-E1-C-G2	22"	1 LAMP	25	2500	CONFIGURATION A
RP-PLL-5.0K-2L-8XX-E1-C-G2		2 LAMPS	50	5000	CONFIGURATION B
RP-PLL-7.5K-3L-8XX-E1-C-G2		3 LAMPS	75	7500	CONFIGURATION C

3W DRIVER

PART #	LAMP LENGTH	LAMPS PER DRIVER	SYSTEM WATTAGE	SYSTEM LUMENS	EMG [SEE PG.4 FOR CONFIGURATIONS]
RP-PLL-2.0K-1L-8XX-3W-C-G2	17"	1 LAMP	20	2000	CONFIGURATION A
RP-PLL-4.0K-2L-8XX-3W-C-G2		2 LAMPS	40	4000	CONFIGURATION B
RP-PLL-2.5K-1L-8XX-3W-C-G2	22"	1 LAMP	25	2500	CONFIGURATION A
RP-PLL-5.0K-2L-8XX-3W-C-G2		2 LAMPS	50	5000	CONFIGURATION B

LVD DRIVER

PART #	LAMP LENGTH	LAMPS PER DRIVER	SYSTEM WATTAGE	SYSTEM LUMENS	EMG [SEE PG. 4 FOR CONFIGURATIONS]
RP-PLL-4.0K-2L-8XX-LVD-M-G2	17"	2 LAMPS	40	4000	CONFIGURATION B
RP-PLL-4.0K-2L-8XX-LVD-K-G2		2 LAMPS	40	4000	CONFIGURATION B
RP-PLL-2.0K-1L-8XX-LVD-KN-G2		1 LAMP	20	2000	CONFIGURATION A
RP-PLL-4.0K-2L-8XX-LVD-KN-G2		2 LAMPS	40	4000	CONFIGURATION B
RP-PLL-6.0K-3L-8XX-LVD-KN-G2		3 LAMPS	60	6000	CONFIGURATION C
RP-PLL-2.5K-1L-8XX-LVD-M-G2	22"	1 LAMP	25	2500	CONFIGURATION A
RP-PLL-2.5K-1L-8XX-LVD-K-G2		1 LAMP	25	2500	CONFIGURATION A
RP-PLL-2.5K-1L-8XX-LVD-KN-G2		1 LAMP	25	2500	CONFIGURATION A
RP-PLL-5.0K-2L-8XX-LVD-KN-G2		2 LAMPS	50	5000	CONFIGURATION B
RP-PLL-7.5K-3L-8XX-LVD-KN-G2		3 LAMPS	68	6800	CONFIGURATION C

10V DRIVER

PART #	LAMP LENGTH	LAMPS PER DRIVER	SYSTEM WATTAGE	SYSTEM LUMENS	EMG [SEE PG. 4 FOR CONFIGURATIONS]
RP-PLL-2.0K-1L-8XX-10V-M-G2-18W	17"	1 LAMP	18	1800	CONFIGURATION A
RP-PLL-4.0K-2L-8XX-10V-M-G2-35W		2 LAMPS	35	3500	CONFIGURATION B
RP-PLL-6.0K-3L-8XX-10V-M-G2-50W		3 LAMPS	50	5000	CONFIGURATION B
RP-PLL-2.0K-1L-8XX-10V-K-G2		1 LAMP	18	1800	CONFIGURATION A
RP-PLL-4.0K-2L-8XX-10V-K-G2		2 LAMPS	36	3600	CONFIGURATION B
RP-PLL-6.0K-3L-8XX-10V-K-G2		3 LAMPS	52	5200	CONFIGURATION B
RP-PLL-2.0K-1L-8XX-10V-KN-G2		1 LAMP	18	1800	CONFIGURATION A
RP-PLL-4.0K-2L-8XX-10V-KN-G2		2 LAMPS	36	3600	CONFIGURATION B
RP-PLL-6.0K-3L-8XX-10V-KN-G2		3 LAMPS	52	5200	CONFIGURATION B
RP-PLL-2.5K-1L-8XX-10V-M-G2-20W	22"	1 LAMP	20	2000	CONFIGURATION A
RP-PLL-5.0K-2L-8XX-10V-M-G2-40W		2 LAMPS	40	4000	CONFIGURATION B
RP-PLL-7.5K-3L-8XX-10V-M-G2-60W		3 LAMPS	60	6000	CONFIGURATION C
RP-PLL-2.5K-1L-8XX-10V-K-G2		1 LAMP	25	2500	CONFIGURATION A
RP-PLL-5.0K-2L-8XX-10V-K-G2		2 LAMPS	50	5000	CONFIGURATION B
RP-PLL-7.5K-3L-8XX-10V-K-G2		3 LAMPS	64	6400	CONFIGURATION C
RP-PLL-2.5K-1L-8XX-10V-KN-G2		1 LAMP	25	2500	CONFIGURATION A
RP-PLL-5.0K-2L-8XX-10V-KN-G2		2 LAMPS	50	5000	CONFIGURATION B
RP-PLL-7.5K-3L-8XX-10V-KN-G2		3 LAMPS	64	6400	CONFIGURATION C

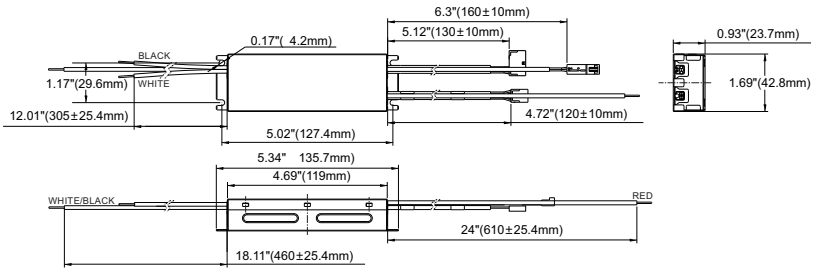
C-Flex PLL/BIAX PIN-BASED LAMP LED RETROFIT KIT

EMG CONFIGURATIONS

4W ALL IN ONE EMG [CONFIGURATION A]	4W ALL IN ONE EMG W/ SEPARATE LIGHT ENGINE [CONFIGURATION B]	8W EMG DRIVER, SEPARATE BATTERY & LIGHT ENGINE [CONFIGURATION C]
EXISTING PLL LAMPS WILL LIGHT IN EMG MODE Approximately 500 lumens for 90 minutes. Contact us for more options	**SEPARATE LIGHT ENGINE WILL LIGHT IN EMG MODE** Approximately 500 lumens for 90 minutes. Contact us for more options	**SEPARATE LIGHT ENGINE WILL LIGHT IN EMG MODE** Approximately 1000 lumens for 90 minutes. Contact us for more options
DRIVER	DRIVER	LIGHT ENGINE
		DRIVER + LIGHT ENGINE
EMG DIMENSIONS: 5.34" x 1.69" x 1.01" (SEE LINE DRAWING BELOW) SEE EXAMPLE 1 BELOW FOR WIRING DIGRAM	EMG DIMENSIONS: 5.34" x 1.69" x 1.01" (SEE LINE DRAWING BELOW) LIGHT ENGINE DIMENSIONS: 4.7 x .83" x .04" SEE EXAMPLE 1 BELOW FOR WIRING DIGRAM	EMG DIMENSIONS: 5.34" x 1.69" x 1.01" (SEE LINE DRAWING BELOW) LIGHT ENGINE DIMENSIONS: 4.7 x .83" x .04" BATTERY DIMENSIONS: 3.48" x 2.76" x .99" (SEE LINE DRAWING BELOW)

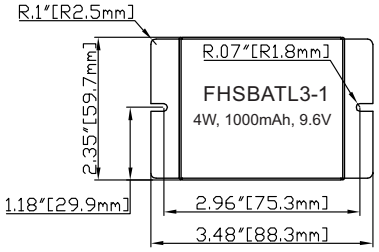
EMG LINE DRAWING

USED FOR ALL EMG KITS



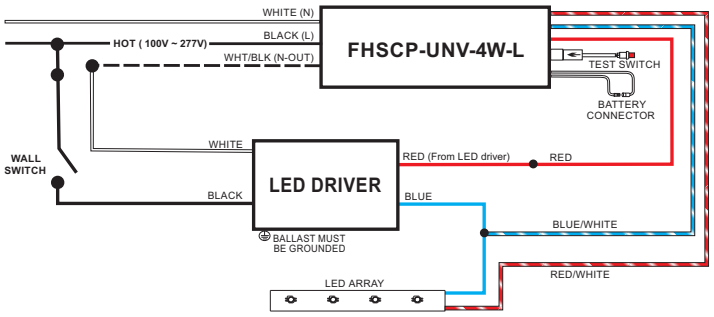
EXTERNAL BATTERY

USED FOR RP-EM-SKB-1000LM/90-4.7X.8-8W

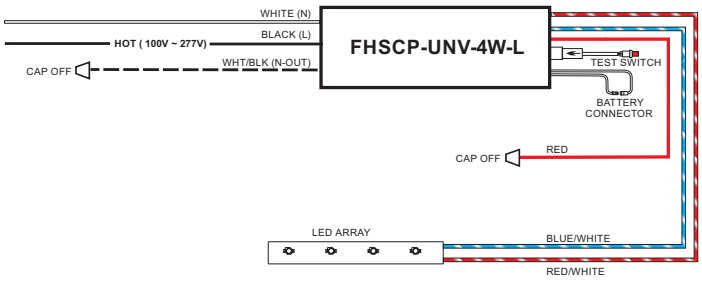


WIRING DIAGRAMS

FOR CONFIGURATION A



FOR CONFIGURATION B & C



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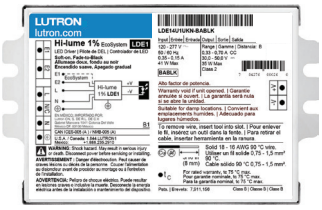
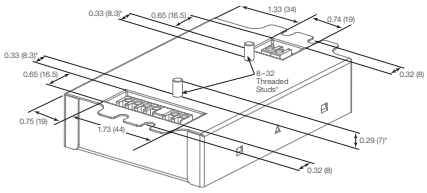
DRIVER DIMENSIONS

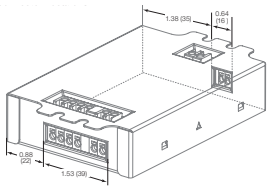
LUTRON



CASE TYPE K

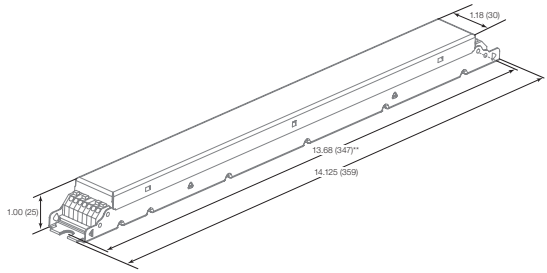


K CASE CONNECTOR LOCATIONS (WITH STUDS)



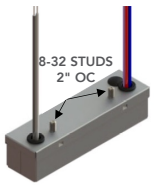
KN CASE SIDE ENTRY CONNECTOR LOCATIONS (WITHOUT STUDS)

CASE TYPE M

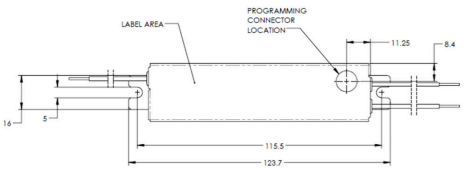


LVD

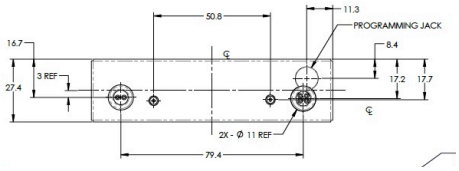
M CASE



K CASE



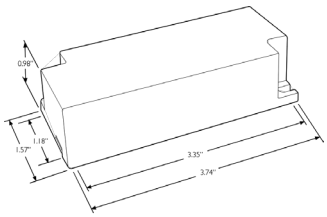
M CASE



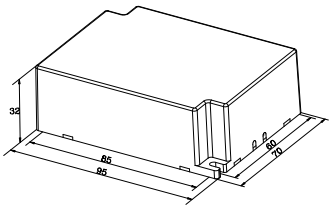
K CASE

KN CASE 25W SYSTEM MAX

KN CASE 26 TO 60W SYSTEM MAX



KN CASE 25W SYSTEM MAX

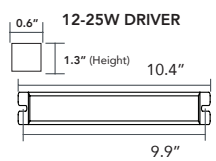


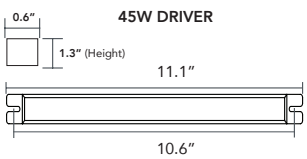
KN CASE 26W TO 60W SYSTEM WATTAGE

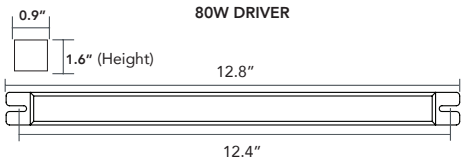
NOTE It is important that LVD drivers are mounted to a flat metal surface in order to maximize service life.

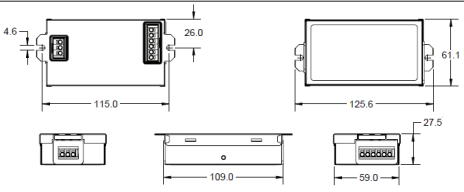
10V

M CASE

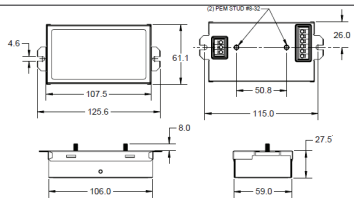








KN CASE



K CASE

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MOST COMMON FIXTURE TYPES

CEILING/TROFFER
2-LAMP DOWNLIGHT ORIENTATION

PENDANT
1 OR 2-LAMP UPLIGHT/DOWNLIGHT ORIENTATION

SCONCE
1 OR 2-LAMP VERTICAL ORIENTATION

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