

Project Name:	
Type:	











APPLICATION

The LED slim strip light series are more efficient and compact. The LED technology used illuminates a crisper brightness while saving more energy to that of the traditional lights. Its functionality makes it a standard fixture used in storage areas, displays, institutions, industrial and retail applications.

FEATURES:

- Die-formed steel channel with knock-outs for versatile configuration and simple mounting.
- · Available for individual unit only.
- Finish is high-gloss baked white enamel over rust inhibiting phosphate coating for maximum corrosion resistance.
- Paint after fabrication.

MOUNTING:

- Ceiling/surface mount and pendant mount with chains, stems or cables.
- Compatible with most ceiling types.

LED:

- High quality array LEDs.
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Standard CRI: >82.8
- · Calculated L70: 122,000 hours
- Reported L70: +60,000 hours

ELECTRICAL:

- High power factor electronic driver, operate from 120-277V standard input range, 50/60Hz.
- Over voltage protection, surge, short circuit protection and over load protection included.
- Power Factor: >0.95
- THD: <20
- · Class 1 or Class 2
- 0-10V dimming standard.
- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

LISTING:

- UL/cUL listed.
- Listed to UL 1598 and UL 8750.
- Suitable for damp locations.
- CEC Compliant EM (contact for more information).
- ARRA compliant (optional).
- BAA compliant (optional).
- 5 years warranty.
- 7 or 10 years limited warranty. (optional) ⁵
- Bluetooth Mesh System available, please contact factory for more information.

CONFIGURATIONS

Series	Size	Model #	AC Input	Lumen Output (3000K)	Lumen Efficiency (3000K)	Im Lumen Output (3500K)	Lumen Efficiency (3500K)	Lumen Output (4000K)	Lumen Efficiency (4000K)	Lumen Output (5000K)	Lumen Efficiency (5000K)
		L18	19.2W	2589.91 lm	134.89 lm/W	2646.68 lm	137.84 lm/W	2676.42 lm	139.39 lm/W	2703.46 lm	140.80 lm/W
	2FT	L27	29.7W	4060.03 lm	136.70 lm/W	4149.05 lm	139.69 lm/W	4195.55 lm	141.26 lm/W	4379.70 lm	147.46 lm/W
		L36	37.26W	5093.57 lm	136.70 lm/W	5205.22 lm	139.70 lm/W	5263.70 lm	141.27 lm/W	5494.46 lm	147.46 lm/W
		L27	29.9W	3990.12 lm	133.44 lm/W	4090.71 lm	136.81 lm/W	4141.02 lm	138.49 lm/W	4191.30 lm	140.17 lm/W
	4FT	L36	39.33W	5294.42 lm	134.61 lm/W	5427.90 lm	138 lm/W	5494.63 lm	139.70 lm/W	5561.37 lm	141.40 lm/V
	4F1	L54	57.36W	7739.06 lm	134.92 lm/W	7934.18 lm	138.32 lm/W	8031.72 lm	140.02 lm/W	8129.27 lm	141.72 lm/V
NS		L72	76.48W	10318.48 lm	134.91 lm/W	10855.17 lm	141.93 lm/W	10988.58 lm	143.67 lm/W	11118.53 lm	145.37 lm/V
		L27	29.9W	4265.07 lm	142.64 lm/W	4363.31 lm	145.93 lm/W	4416.89 lm	147.72 lm/W	4466.17 lm	149.37 lm/V
		L36	39.33W	5610.21 lm	142.64 lm/W	5739.43 lm	145.93 lm/W	5809.92 lm	147.72 lm/W	5874.73 lm	149.37 lm/V
	8FT	L54	57.81W	8246.30 lm	142.64 lm/W	8436.25 lm	145.93 lm/W	8539.87 lm	147.72 lm/W	8634.85 lm	149.36 lm/V
		L72	78.2W	11025.47 lm	141 lm/W	11279.45 lm	144.23 lm/W	11418 lm	146.01 lm/W	11545 lm	147.63 lm/V
		L108	105.4W	14888.09 lm	141.25 lm/W	15231.07 lm	144.50 lm/W	15418.14 lm	146.28 lm/W	15589.62 lm	147.90 lm/V
		L144	140.53W	19850.02 lm	141.25 lm/W	20307.54 lm	144.50 lm/W	20557.38 lm	146.28 lm/W	20783.81 lm	147.89 lm/V





ORDERING INFORMATION EXAMPLE: NS-4-L36-40K-UNV

MODEL	LENGTH		LED		COLOR TEMP.		E	EFFICACY		CRI	
NS	2	2' Length ³	(Blank) Wiring for Individual mount (Std.)	L18 L27 L36	18W LED 27W LED 36W LED	-27K -30K -35K	2700K ⁸ 3000K 3500K	(Blank) HE	Standard High Efficacy	(Blani	
	4	4' Length	ermined by the customer prior to ordering the input voltage and total run wattage.	L27 27W LED -40K -50K L36 36W LED L54 54W LED L72 72W LED	4000K 5000K						
				L27 L36 L54 L72 L108 L144	27W LED 36W LED 54W LED 72W LED 108W LED 144W LED						
				* Contact fa	144W LED ctory for custom r lumen requirement.						

VOLTAGE		MOUNTING		FIXTURE FINISH		CORD FINISH (for pendant)	
UNV	120-277V (Std.)	(Blank)	Ceiling Mount	(Blank)	Semi-Glossy White (Std.)	(Blank)	White (Std.)
120	120V	VH	V-Hook	*BK	Black (RAL#9011)	*BKC	Black
277	277V	CHxx	Chain for use with V-hook (xx=length)	**CC	Custom Color 10		
347	347V	ACxx	Adjustable Aircraft Cable w/ Canopy (* xx = Specify length (48 or 96))	*AMB	Anti-Microbial Coating		
480	480V	SH-3/8-xx	3/8" IPS STEM w/ Canopy		(Matte Skye White)		
		SH-1/2-xx	1, , , , , , , , , , , , , , , , , , ,		* Non-standard finish with extra charge.		
		IDS	T-Bar Clip for Surface Mount		** Additional charge & se	t up fee.	

CANOPY FINISH (for pendant)		CEILING TYPE (for pendant)		SUSPENSION LENGTH			LED DRIVER 4
	White (Std.) Black Canopy Silver Canopy Custom Canopy Color (White is Std.) ndard finish with extra charge. hal charge & set up fee.	X1 X2 X3 X4	15/16" grid T-bar ceiling Hard ceiling Sloped Hard ceiling 9/16" T-bar ceiling	AC48 AC96 ST24 ST48 *Contact	Adjustable Aircraft Cable Canopy 48"L Adjustable Aircraft Cable Canopy 96"L Stem Canopy 24"L Stem Canopy 48"L factory for custom length.	GR DM1 PH OS OS1 SD40 SDXX TDM TD30/70 TDXX/YY EC ES566 LDE1 ELV PHSR PHDL TRIOT ND DIMT LTEA2W	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim ELV compatible (reverse-phase or trailing-edge), (120V only)



OPTIONS						
EMG8 EMG15 EMG20 EMG25 ELCU-200 GTD GTD10DIM	1296 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,6} 2430 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,6} 3240 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,6} 4050 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,6} Fail-to-on Emergency lighting, UL924 ⁷ Bodine Generator Transfer Device Bodine Generator Transfer Device (0-10VDC Dimmer Override)	ARRA BAA LOS-502S O7W O10W COC	standard cone shape lens (15ft) with 1.18" extension joint. Adjustable through a dip switch Optional 7 Years Limited Warranty ⁵ Optional 10 Years Limited Warranty ⁵			
	,	JC4 WGN	4" Octagon shape junction box cover plate Narrow Wireguard			

	LIGHTING CONTROL SYSTEM
PPA102S	Sluetooth> Bluetooth Powerpack (Consult factory for installation location)

- NOTES: 1. Tandem units.

- 1. Tandem units.
 2. Contact factory for more emergency options.
 3. For EM options, only EMG5 and EMG8 are available.
 4. Refer to Table1 to find compatible dimmer switch.
 5. This limited warrantly covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation. (EM battery backup does not included)
 6. Not available with 347V and 480V.
 7. Shipped separately.
 8. Available with C9 (90+ CRI) only.
 9. Lumen per watt is around 15% less than standard CRI (80+).

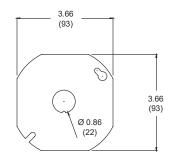
- 10. Refer to color chart (RAL and/or Cardinal) in the separate attachment and indicate color code.

Specifications: NS

2FT Length: 24 (610) Weight: 4.92 lbs (2.23 kg) 4FT Length: 48 (1219) Weight: 7.12 lbs (3.23 kg) 8FT Length: 96 (2439) Weight: 9.99 lbs (4.53 kg)

Width: 3-1/4 (82) Depth: 2 (45)

All dimensions are in inches (millimeters).



JC4 : Octagon cover plate





OUTPUT CURRENT

		Bi-Leve	el .	Tri-Level (Default)		
SW1	SW2	Config Range	Default	Config Range	Default	
Close	Open	10% - 70%	40%	10% - 70%	30%	
Open	Close	10% - 70%	40%	10% - 70%	70%	
Close	Close	100%	100%	100%	100%	
Open	Open	0%	0%	0%	0%	





COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch					
		<leviton></leviton>	IllumaTech IP7 series				
GR, PH	Philips Xitanium	<lutron></lutron>	Visit www.lutron.com/advance for a list of dimmers (Mark VII) that will work with this driver.				
		<philips></philips>	Sunrise : SR1200ZTUNV				
		<osram></osram>	ZBHA-CLM DIM (NAMED: 45678), 45561 - LC-SL3W-TVWBX/UNV				
		<encelium ems=""></encelium>	EN-LCM-1R10V-GB2-BK, EN-LCM-1R10V-GB2-BK/DR, EN-ALC-1R10V-GB2-BK, EN-ALC-1R10V-GB2-BK-DR				
OS, OS1	Osram Optotronic	<leviton></leviton>	IP710-DLX				
051		<lutron></lutron>	DVTV-XX				
		<wattstopper></wattstopper>	ADF-120277, FD-301, FSP-202				
		<synergy></synergy>	ISD BC				
		<busch-jaeger></busch-jaeger>	2112U-101				
		<jung></jung>	240-10				
		<leviton></leviton>	IllumaTech - IP710-DLX				
		<lightoller controls=""></lightoller>	ZP600FAM120				
		<merten></merten>	5729				
	eldoLED SOLOdrive	<pass &="" seymour=""></pass>	CD4FB-W				
		<wattstopper></wattstopper>	DCLV1				
ES566		<sensor switch=""></sensor>	nIO EZ				
		<synergy></synergy>	ISD BC				
		<abb></abb>	SD/S 2.16.1				
		<lutron></lutron>	Nova T: NTFTV Diva - DVTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module				
		<crestron></crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLVV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX				
LDE1	Lutron Hi-lume 1% EcoSystem	<lutron></lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO ^{1, 2} Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJE(wireless) QSGRE Quantum Hub (120V only): QP22C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D				
PHSR ³	Philips Xitanium Sensor-Ready		Single Rocker Self-Powered Light Switch (on/off, dim-up/down) Illumra# ZBT-S1AWH Digi-Key# 1082-1033-ND Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2) Illumra# ZBT-S2AWH Digi-Key# 1082-1034-ND				
TDM	KEYSTONE	<lutron></lutron>	Diva DV-600P, SkyLark S-600P, Ariadni AY-600P, Ariadni TG-603P, Maestro MA-600 (Digital), Diva CFL/LED DVCL-153P, Satin Colors DVSC-600P-SW				
		<leviton></leviton>	6641, IllumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)				
ELV	KEYSTONE	<lutron></lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P				

- NOTES:

 1. All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command.

 For more detail on adjusting low-end light level refer to Application Note#556 at www.lutron.com.

 2. For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.

 3. Recommended for EasySense System.



Mounting Options	Image	Ordering Code
Surface Mount (Ceiling)	Use keyhole shape mounting holes on the housing	(Blank)
V-hook for Chain Mount	Chain (by others)	VH
Adjustable Cable Mount		ACxx xx = Length of Cable (48 or 96 inches)
Stem Mount (w/ Canopy)		w/ Canopy HOLE A: 3/8" IPS STEM [Example: SH-3/8-xx(length)] HOLE B: 1/2" IPS STEM [Example: SH-1/2lxx(length)] xx = 18, 24, 36, 48 (inches)
T-Bar Surface Mount		IDS

^{*} Cable / Stem mount provided with canopy set

