

Job/Location: _____	Job Type: _____
Contractor: _____	Date: _____
Prepared By: _____	



### ■ specifications: internal

LUCE LED constant power provides constant power output during emergency operation. Universal 120-277V, 50-60Hz input. Maintenance-free, rechargeable lithium iron phosphate battery provides a minimum 90 minutes of emergency operation. Over-current protection per C62.41 (TVS), Class 2 compliant. Operated as NORMALLY ON, NORMALLY OFF or SWITCHED. Standard with indicator LED and push to test switch. Field installable.

### ■ specifications: external

LUCE LED constant current features an illuminated, remote mounted test switch. Compact, low profile galvanized steel housing.

### ■ specifications: overview

LUCE LED CP is offered in three outputs of constant power for emergency operation. All models are Title 20 CEC listed.

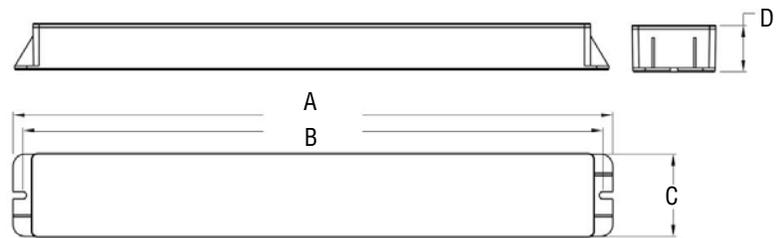
- UL listed for factory or field installation
- Certified to CEC under Title 20 regulations
- Meets UL924, NFPA 101, NEC, OSHA, Local and State codes
- Suitable for indoor damp locations (10°C - 55°C)
- Installation inside, on top, or remote mount of the luminaire
- Suitable for remote mounting up to 20 ft (18 AWG wire)

### ■ ordering logic

Series	Model	Description
LUCE LED	LLCP5T20	Emergency driver, constant power, 20 - 50VDC, 100 - 250mA DC, 5W output, Title 20
	LLCP10T20	Emergency driver, constant power, 20 - 50VDC, 214 - 535mA DC, 10.7W output, Title 20
	LLCP13T20C	Emergency driver, constant power, 20 - 50VDC, 274 - 685mA DC, 13.7W output, Title 20
	LLCP5T20C	Emergency driver, constant power, 20 - 50VDC, 100 - 250mA DC, 5W output, Title 20, 2' flex cords on each end
	LLCP10T20C	Emergency driver, constant power, 20 - 50VDC, 214 - 535mA DC, 10.7W output, Title 20, 2' flex cords on each end
	LLCP13T20C	Emergency driver, constant power, 20 - 50VDC, 274 - 685mA DC, 13.7W output, Title 20, 2' flex cords on each end

NOTE: It is not recommended to install with luminaires in applications where the ambient temperature may fall below 10°C

### ■ dimensions (in)



Model	A	B	C	D
LLCP5T20	10.4"	9.8"	2.5"	1.2"
LLCP10T20	13.6"	12.9"	2.5"	1.2"
LLCP13T20	13.6"	12.9"	2.5"	1.2"

## ■ specifications: electrical

**BATTERY:** The LUCE LED CP is supplied with a maintenance-free, rechargeable lithium iron phosphate battery. The internal solid-state transfer switch automatically switches from AC to DC during power failure. Recharge time within 24 hours of full discharge. Operating temperature is 50°F to 131°F (10°C to 55°C).

**CIRCUIT:** The LUCE LED CP features a 120-277V, 50/60 Hz input voltage, Charge /Power “ON” LED indicator light and push-to-test switch for mandated code compliance testing.

## ■ emergency illumination

When AC power fails, The LUCE LED CP immediately switches to the emergency mode, providing constant power for emergency illumination for a minimum 90 minutes. When AC power is restored, LUCE LED CP automatically returns to the charging mode. Visual status of LUCE LED CP is via the illuminated remote test switch.

LUCE LED CP can be ordered in three output levels and can be configured with 2 ft conduit lengths on input and output side of driver for ease of remote mounting.

## ■ electrical information

Model	Input Current (A)	Input Power (W)	Output Power(W)	Output Current (A)
LLCP5T20	0.061	3.9	5.0	0.1 - 0.25
LLCP10T20	0.087	5.7	10.7	0.214 - 0.535
LLCP13T20	0.110	6.9	13.7	0.274 - 0.685

## ■ warranty

The LUCE LED CP series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

## ■ application guidelines

### 1) Determine Electrical Compatibility

- A) Verify that the luminaire LED driver, where applicable, is Class 2 compliant
- B) Verify that the luminaire LED lamp(s) have an operating voltage between 20Vdc and 50Vdc range
- C) Verify that the luminaire LED lamp(s) have a power rating equal to, or greater than, the emergency power rating of the emergency driver under consideration (refer to the Electrical Information section)

### 2) Calculate Lumen Output During Emergency Operation

- A) Access luminaire data by logging onto Design Lights Consortium ([www.designlights.org](http://www.designlights.org)) or from manufacturer's spec sheet
- B) For DLC data, select “Search the DLC Qualified Product List” on the DLC homepage; then Enter manufacturer name and P/N of luminaire under consideration in the “search by keyword” text window; then Select “Search” tab to open the “Qualified Products List”
- C) Determine luminaire Lumens per Watt efficacy from spec sheet or in DLC’s “Rated Data” specifications  
Multiply luminaire Lumens per Watt by Output Power of the emergency driver under consideration (refer to the Electrical Information section):  
 $\text{Luminaire LPW} \times \text{Driver Output Power} = \text{Emergency Mode Lumens}$

### 3) Determine Suitability of Means of Egress Lighting Levels

- A) Using industry standard lighting design software, along with IES files for the luminaire under consideration, verify that the as installed available Lumens (as calculated in 2D above) are sufficient to meet Code-compliant path of egress illumination levels