

# Models [DRA-EM]

**DRACO**  
Emergency Battery Backup



PROJECT NAME
ORDERING #

**Product Description.** The **DRACO Emergency Battery Backup (DRA-EM)** is a UL Classified LED emergency battery pack that allows the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the **DRA-EM** switches to the emergency mode and operates the existing fixture for up to **120 min.** The unit is available in different mounting configurations for individual fixture requirements. The **DRA-EM** will deliver a nominal **5, 7, or 10 watt** LED load with **constant power.** The Constant Power design of the **DRA-EM** maintains the output wattage to the LED array even as the system voltage diminishes

## RATINGS



## WARRANTY



## KEY FEATURES

- Six mounting configurations available
- Long life high temperature recyDRable Nickle Cadmium battery
- Galvanized steel case
- Universal Voltage
- Includes single piece TBTS test switch and charge indicator accessory
- For use with switched or unswitched fixtures
- 5-Year Warranty.**
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements
- Suitable for use in Damp Locations
- Exceeds standard 90 minutes of illumination minimum
- Features IOTA's constant power technology for maximum sustained light output.
- Can be installed in past DRARIS LED Retro Fit Kit Installations

**EMERGENCY BATTERY PACK**  
CONSTANT POWER FOR UP TO 120 MINUTES WITH NO LIGHT DEGRADATION



Emergency Battery Pack Ordering Example: **DRA-EM10-A**

Root	Emergency Battery Pack	Mounting Options
DRA	EM5 - 500 lumens / 5 Watts	Blank - Standard Integral Style No-Flex Unit
	EM7 - 700 lumens / 7 Watts	TM* - Top Mount Non-Flex Unit
	EM10 - 1000 lumens / 10 Watts	A* - External Mount Dual Flex Unit
		J* - Box Mount Unit Junction Box
		R* - Dual Flex w/Reflector-Mount
		R-J* - Single Flex w/Reflector-Mount

\*Special Order

## TECHNICAL SPECIFICATIONS

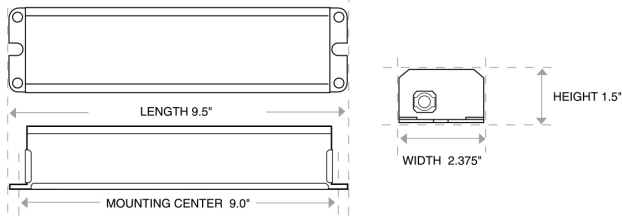
	DRA-EM5	DRA-EM7	DRA-EM10
Typical Lumen Output**	400-600 lm	600-800 lm	900-1100 lm
Input Voltage	(Universal) 90-300VAC, 50-60Hz	(Universal) 90-300VAC, 50-60Hz	(Universal) 90-300VAC, 50-60Hz
Input Rating	2.7 Watts	3.7 Watts	5.5 Watts
Output Power	5 Watts (Regulated)	7 Watts (Regulated)	10 Watts (Regulated)
Emergency Operation	90-120 Minutes	90-120 Minutes	90-120 Minutes
Operating Temp	0° ~ 50° C	0° ~ 50° C	0° ~ 50° C
Battery	High Temp Nickel-Cadmium 24 Hour Recharge 7-10 Year Life Expectancy	High Temp Nickel-Cadmium 24 Hour Recharge 7-10 Year Life Expectancy	High Temp Nickel-Cadmium 24 Hour Recharge 7-10 Year Life Expectancy
Weight	(-A, -R) 3.0 lbs (-B, -TM) 2.5 lbs (-J, -R-J) 2.75 lbs	(-A, -R) 3.0 lbs (-B, -TM) 2.5 lbs (-J, -R-J) 2.75 lbs	(-A, -R) 3.0 lbs (-B, -TM) 2.5 lbs (-J, -R-J) 2.75 lbs

\*\*Lumen output will vary dependent on fixture efficiency and type.

**CASE DIMENSIONS**

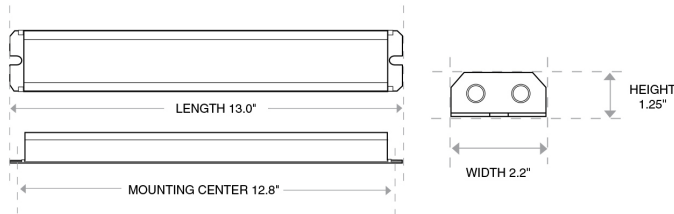
**DRA-EM5**

9.5" x 2.375" x 1.5" (mounting center 9.0")



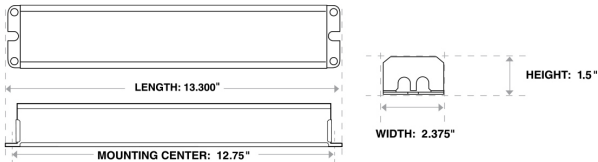
**DRA-EM7**

13.0" x 2.2" x 1.25" (mounting center 12.8")

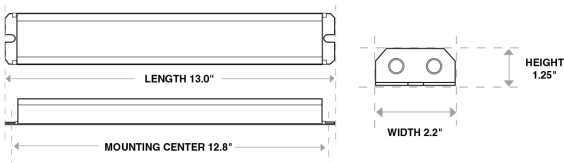


**DRA-EM10**

CLA-EM-10-A: 13.3" x 2.375" x 1.5" (mounting center 12.75")



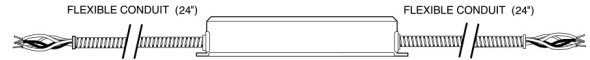
CLA-EM-10-B: 13.0" x 2.2" x 1.25" (mounting center 12.8")



**MOUNTING CONFIGURATION**

**DRA-EM5, 7, 10**

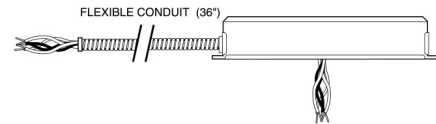
A (Dual Flex unit) with External Mount



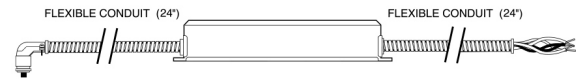
Blank (Integral Non-Flex unit)



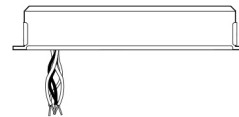
J (Single Flex Junction Box Mount unit)



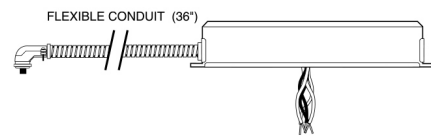
R (Dual Flex unit with Reflector-Mount TBTS switch)



TM (Top-Mounting Non-Flex unit)



R-J (Single Flex with Reflector-Mount TBTS switch)



**SAMPLE WIRING DIAGRAM**

**DRA-EM5, 7, 10**

