Catalog Number	
Notes	
Type	

TCU

Indura® Commercial Emergency Unit

FEATURES & SPECIFICATIONS

INTENDED USE — Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power to meet and exceed code required emergency lighting. Ideal for applications where steel housing emergency lighting is required.

CONSTRUCTION — 20-gauge steel housing, finished with corrosion-resistant instrument enamel. The back-plate contains a universal j-box mounting pattern to facilitate ease of installation on a wide variety of j-boxes.

OPTICS — The 350L features two high performance LED lampheads rated at 1.6 watts each and delivers a total of 371 lumens.

The 750L features two high performance LED lampheads rated at at 3.5 watts each and delivers a total of 775 lumens.

ELECTRICAL — UVOLT (120 thru 347V, 50/60hz). Current-limiting charger maximizes battery life and minimizes energy consumption to provide low operating costs. Small battery chargers certified in the CA Title 20 Appliance Efficiency Database.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts. Regulated charge voltage maintains a stable charge voltage over a wide range of line voltages.

Prevents over/undercharging that shortens battery life and reduces capacity. Filtered charger input minimizes charge voltage ripple and extends battery life.

Brownout protection is automatically switched to emergency mode when supply voltage drops below approximately 85 VAC.

AC Reset and Low Voltage Disconnect allows battery connection before AC power is applied and prevents battery damage from deep discharge.

BATTERY: Nickel Metal Hydride battery, 9.6V. The 350L and 750L HO provide remote capacity or extended run time.

INSTALLATION — Back mount only. Side and top conduit knockouts available.

LISTINGS — UL damp location listed at 32-104°F (0-40°C). Meets or exceeds all applicable requirements for UL 924, NFPA 101 (current Life Safety code), NFPA 70 (NEC), California Energy Commission Title 20 section 1605.3 (W)(4), FCC Title 47, Part 15, Subpart B and OSHA. List and labeled to comply with Canadian Standards C22.2 No. 141-10. Meets City of Chicago Code.

WARRANTY — 5-year limited warranty (Battery is prorated). This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

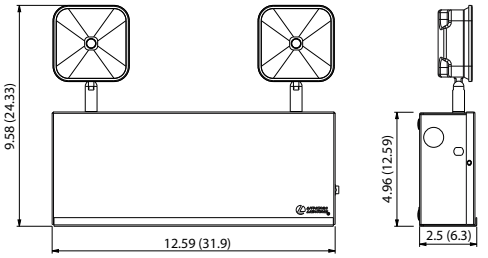
NOTE: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

† Small Battery Chargers Certified in the CA Title 20 Appliance Efficiency Database.

Specifications

Length:	12.59 (31.9)
Depth:	2.5 (6.3)
Height:	9.58 (24.33)
Weight:	3.91 (1.8kg) 350L/750L 4.41 (2.0kg) 750L HO

All dimensions are inches (centimeters) unless otherwise indicated.



Catalog Number	Description	Housing Color	Input Voltage	Lumens	Remote Capacity
TCU 350L M4	Steel Emergency Light	White	120-347V, 50-60Hz	371	2.4W
TCU 750L M4				775	----
TCU 750L HO M4					6.6W

Accessory Remotes[1,2]: *Order as separate catalog number.*

ELMRW SP640L DWHXD SGL	Single LED Wet Location remote head, white, 320 lumens
ELMRW SP640L DWHXD T	Twin LED Wet Location remote head, white, 640 lumens
ELMRW LP220L DWHXD SGL	Single LED Wet Location remote heads, white, 110 lumens
ELMRW LP220L DWHXD T	Twin LED Wet Location remote heads, white, 220 lumens
ERE W SGL SQ M12	Single, LED indoor remote head, square, ivory white, 1W, 3.6V-12V voltage sensing
ERE W T SQ M12	Twin, LED indoor remote head, square, ivory white, 2W, 3.6V-12V voltage sensing
ERE GY SGL WP SQ M12	Single, LED weather-proof remote head, square, gray, 1W, 3.6V-12V voltage sensing
ERE GY T WP SQ M12	Twin, LED weather-proof remote head, square, gray, 2W, 3.6V-12V voltage sensing

Notes

1 Compatible with 350L and 750L HO only. Refer to remote compatibility table.

2 Refer to ERE and ELMRW spec sheets for more information. ERE RD (round) remote is not compatible with TCU.

SPACING GUIDELINES

TCU 750L Spacing Guidelines						
Mounting Height	Illumination Level[1]	Single Luminaire		Multiple Luminaire		Application Notes
		3' Path of Egress	6' Path of Egress	3' Path of Egress	6' Path of Egress	
7.5'	1FC Avg	50'	48'	71'	67'	100' Corridor, 8' wide, 12' high with 80/50/20 reflectances
10'	1FC Avg	54'	44'	70'	64'	
7.5'	1FC Avg	54'	50'	65'	62'	Retail Open Area: 200' X 15' X 30' with 80/50/20 reflectances
10'	1FC Avg	56'	50'	68'	61'	
12'	1FC Avg	50'	48'	54'	54'	
16'	1FC Avg	44'	42'	54'	50'	
20'	1FC Avg	37'	36'	44'	44'	
24'	1FC Avg	26'	26'	36'	33'	

TCU 350L Spacing Guidelines						
Mounting Height	Illumination Level[1]	Single Luminaire		Multiple Luminaire		Application Notes
		3' Path of Egress	6' Path of Egress	3' Path of Egress	6' Path of Egress	
7.5'	1FC Avg	30'	28'	39'	38'	100' Corridor, 8' wide, 12' high with 80/50/20 reflectances
10'	1FC Avg	28'	26'	38'	34'	

Notes:
1. Also meets the additional illumination requirements of NFPA 101: average 1FC minimum and max/min ratio of 40:1.

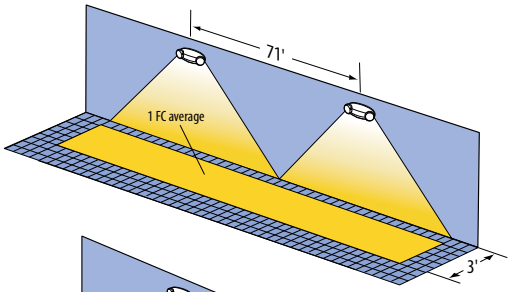
Remote Compatibility							
Fixture	Remote Capacity	ELMRW LP220L Single	ELMRW LP220L Twin	ELMRW SP640L Single	ELMRW SP640L Twin	ERE SQ Single	ERE SQ Twin
TCU 350L	2.4W	2	1	NA	NA	2	1
TCU 750L HO	6.6W	4	2	2	1	6	3

EXTENDED RUN-TIME FOR HIGH-OUTPUT

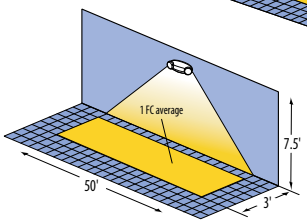
TCU 350L (no remotes): up to 3 hours
TCU 750L HO (no remotes): up to 4.5 hours

SPACING GUIDELINES

*Note: To see complete photometric report or download the .ies file for this product, visit Lithonia Lighting TCU home page.



Example of multiple TCU 750L luminaires illuminating a 3' path of egress.



Example of single TCU 750L illuminating a 3' path of egress.
* Corridor application image.

SPECIFICATIONS

ELECTRICAL			
Primary Circuit			
	Volts	**Input amps**	**Watts**
TCU 350L	120V	0.08	5
	347V	0.08	5
TCU 750L	120V	0.08	5
	347V	0.08	5
TCU 750L HO	120V	0.08	5
	347V	0.08	5

BATTERY			
Battery (Nickel Metal Hydride, 9.6V)			
Typical Shelf life[1]	**Typical life[1]**	**Maintenance[2]**	**Temperature Range[3,4]**
3 year	6-8 years	none	32°-104°F (0-40°C)

Notes

1 At 77°F (25°C) ambient temperature, charge/discharge cycles and prolonged full discharge may reduce useful life.

2 All life safety equipment, including emergency lighting for path of egress must be tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required testing could jeopardize the safety of occupants and will void all warranties.

3 Temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.

4 Battery life is negatively impacted by many variables including temperature, charging rates, number of cycles and deep discharges due to long periods of time without AC power.

EMERGENCY: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) techsupport-lighting@acuitybrands.com www.lithonia.com

