

CT3 Series

Harsh Environment Enclosures



FEATURES & SPECIFICATIONS

INTENDED USE

CITADEL 3™: Third generation weatherproof enclosures: where form truly does follows function. The sleek profile of these enclosures is designed to offer maximum protection for the lighting while offering the minimum surface area for water and dirt accumulation. The Mounting System can provide dramatic savings on the installation labor. Designed around T8 and T5 lamps for long term energy savings. Very tough diffusers resist breakage.

SIZE W x L x H in inches (mm)

2.25" x 48" x 3.75"

5.25" x 48" x 3.75"

LAMP

1, 2, or 3 Lamp Positions in Cross section.

MATERIALS & FEATURES

Nylon one piece toggle latches standard. Stainless steel latches optional.

- Designed specifically for T8 and T5 lamps.
- Use of geartrays permits reduced size of housings.
- Very simple to assemble.
- Stainless steel mounting brackets snap on: no holes that leak.
- Two housing widths (2-1/4" and 5-1/4") are available to best meet your lighting requirements.
- Utilizes off the shelf 1/2" fittings.

DIFFUSER

•Injection molded UV stabilized polycarbonate diffusers with lineal prisms.

MOUNTING

Durable stainless steel mounting hardware. No holes ever have to be drilled through the housing for installation. Installation time is dramatically reduced. Optional stainless steel bail for chain hung installations.

LISTING / CERTIFICATIONS

Fixture & Ballast: UL Listed, Wet Area
Ballast: Thermally protected, class P, HPF, Non PCB
NSF: Splash Zone certified
IP67: Certified (immersion at 1m for 30 min.)

ORDERING INFORMATION

Example: CT3PC232M23E120PLS

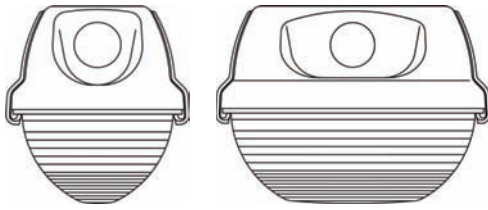
CT3	PC	2 32	M23	E120	PLS
Series		Lamp Count		Ballast & Voltage [1]	
CT3 Enclosed Wet Location Spec Grade		1, 2, or 3 17	24 in. T8, 2 ft. nom. length	E120	Electronic, 120V
		1, 2, or 3 14	22 in. T5, 2 ft. nom. length	E277	Electronic, 277V
		1, 2, or 3 24	22 in. T5HO, 2 ft. nom length	MV	Electronic, Multivolt (120-277)
		1, 2, or 3 32	48 in. T8, 4 ft. nom. length	H120	Electronic, 120V Hi-Lume [3]
		1, 2, or 3 28	46 in. T5, 4 ft. nom. length	H277	Electronic, 277V Hi-Lume [3]
		1, 2, or 3 54	46 in. T5HO, 4 ft. nom. length	HMV	Electronic, MV Hi-Lume [3]
		2 or 3 32	8 48 in. T8, 8 ft. nom. length (tandem)	L120	Electronic, 120V Lo-Lume [3]
		2 or 3 28	8 46 in. T5, 8 ft. nom. length (tandem)	L277	Electronic, 277V Lo-Lume [3]
		2 or 3 54	8 46 in. T5HO, 8 ft. nom. length (tandem)	LMV	Electronic, MV Lo-Lume [3]
		1, 2, or 3 LED	48 in. T8, LED 15 Watt	HiLume and LoLume ballasts available for T8 lamps only LED is E120 or E277 Only.	
Lens		Reflector		Options [1]	
PC	Polycarbonate	Blank	None	CT3MBIL	Mounting bracket for 1 light (Included with fixture)
		M23	Mirrored Reflector	CT3MB2L	Mounting bracket for 2 or 3 light. (2 per fixture) (Included with fixture)
				TL	Tamper Resistant Latching Systems
				SL	Stainless steel latch
				TSL	Tamper Resistant Stainless latch
				PLS	Plunger Sockets

* For 1 Light matching 2 light wider body add "WD"

Catalog Number:
Notes:

CT3 Series

Harsh Environment Enclosures



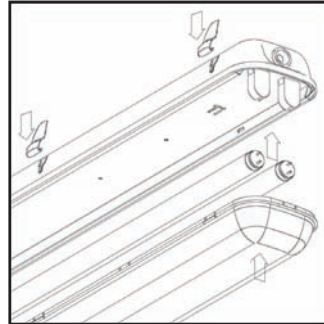
ONE LAMP

TWO LAMP

DIMENSIONS

All dimensions are inches. Specifications subject to change without notice.

LATCH INSTALLATION



INSTALLATION AND REMOVAL OF LATCHES AND DIFFUSER

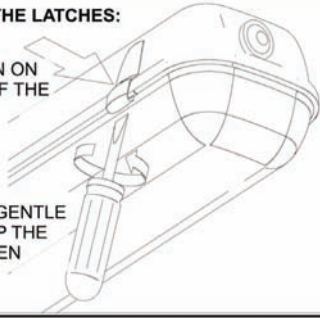


Verify that one end of the diffuser is properly seated into the gasket channel before attempting to close the latches.

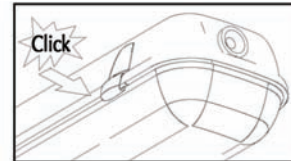
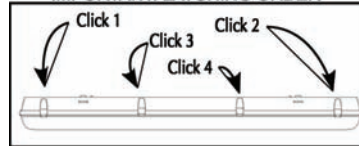
OPENING THE LATCHES:

1. PRESS IN ON THE TOP OF THE LATCH.

2. WITH A GENTLE TWIST POP THE LATCH OPEN



IMPORTANT: LATCHING ORDER



CT3MB Accessory



PHOTOMETRICS

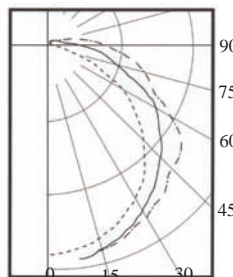
Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Lamp configurations shown are typical. Photometric data on these and other configurations available upon request.

Candela Distribution

	0.0	22.5	45.0	67.5	90.0
0	784	784	784	784	784
5	780	784	793	797	800
15	749	776	818	830	835
25	693	749	781	798	813
35	616	664	722	808	834
45	518	551	688	809	834
55	384	437	663	777	813
65	197	349	616	688	710
75	62	283	458	527	567
85	19	193	303	376	404
90	12	129	216	274	298
95	7	61	133	186	207
105	7	23	38	50	58
115	4	9	21	28	32
125	2	2	11	18	20
135	1	2	5	10	11
145	2	2	2	4	5
155	2	2	2	2	2
165	1	2	2	2	2
175	2	2	2	2	2

	Floor	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Ceiling	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%	
Wall	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
RCR One 54 Watt High Output T5 Spacing ratio. Along 1.2 Across 1.9																			
0	97	97	97	97	95	95	95	95	89	89	89	85	85	85	80	80	80	78	
1	87	82	77	73	84	79	75	72	75	72	69	71	68	66	67	65	63	61	
2	78	70	63	58	75	68	62	57	64	59	55	60	56	53	57	54	51	48	
3	71	61	53	47	68	59	52	46	56	50	45	53	48	44	50	46	42	40	
4	64	53	45	39	62	52	44	39	49	43	38	46	41	36	44	39	35	33	
5	58	46	38	32	56	45	38	32	43	36	31	41	35	30	39	34	29	27	
6	53	41	33	27	51	40	33	27	38	31	26	36	30	26	34	29	25	23	
7	49	37	29	23	47	36	28	23	34	27	23	32	27	22	31	26	22	20	
8	45	33	25	20	43	32	25	20	31	24	19	29	23	19	28	22	19	17	
9	41	29	22	17	40	29	22	17	27	21	17	26	20	16	25	20	16	14	
10	38	27	20	15	37	26	19	15	25	19	15	24	18	14	23	18	14	12	

Photometric Distribution Curve



Luminance Data (CD/SQ. M)

	0-DEG	45-DEG	90-DEG
45	7917	10398	10895
55	7170	10436	10665
65	4919	10448	9758
75	2449	8710	8454
85	1938	6795	6809

Catalog Number: _____

Notes: _____

CHEMICAL RESISTANCE OF PLASTICS

Since chemical resistance of materials is dependent on numerous variables, such as concentration, duration of exposure, temperature, humidity, other chemicals that may be present, and the residual stress in the part, the information provided should serve only as a guideline. It is imperative that production parts be evaluated under actual application conditions prior to commercial use.

CHEMICAL	ACRYLIC	POLYCARBONATE	FIBERGLASS
ACIDS (Weak up to 10 %):	+/-	+	+
ACIDS			
Acetic (max 30%)	-	+/-	+
Hydrochloric (max 20%)	+	+/-	+/-
Nitric (max 20%)	+/-	+/-	+/-
Sulphuric (max 50%)	+/-	+/-	-
Phosphoric	-	+/-	-
Hydrobomic	-	-	-
Accumulator Acid	+/-	+/-	+/-
BASES (Weak)			
Ammonia (max 25%)	+	-	+
BASES (Concentrated)			
Ammonia (max 50%)	+/-	-	+/-
Sodium Hydroxide	+/-	-	-
SALT SOLUTIONS			
Common Salt	+	+/-	+
Metal Salt	+	+/-	+
Soda	+	+/-	+
HYDROCARBONS			
Aliphatic	+/-	+	+/-
Aromatic	-	-	+/-
Paraffins	+	+	+
Carbon Dioxide, Carbon Monoxide	+	+	+
Ethyl Acetate	-	-	-
Pyridine	-	-	-
CHLORIDE HYDROCARBONS			
Carbon Tetrachloride	-	-	+/-
Trichlorethylene	-	-	-
Methylene Chloride	-	-	-
ALCOHOLS			
Up to 30 %	+/-	+/-	+
Concentrated	-	-	+/-
Methanol, Ethanol, Phenol	-	-	+/-
ETHERS			
Ether	+/-	-	+/-
Petroleum Ether	+	+/-	+/-
AROMATIC HYDROCARBONS			
Aniline	+/-	-	+/-
Benzene and derivatives	-	-	-
Hydrogen Peroxide	+/-	+/-	-
Xylene	-	-	-
OILS and FATS			
Petrol, Kerosine	+/-	+/-	+
Mineral oil	-	+/-	+
Vegetable oils (hot)	+	-	+
Cooking fats (hot)	+	-	+
UNSATURATED CHLORIDE HYDROCARBONS			
Chloroform	-	-	-

+ = Resistant / +/- = Limited resistant / - = Not resistant

* : In case of limited resistance to corrosion (+/-) the use of Polycarbonate clips is not suggested. We do advise the use of stainless steel latches if there is any uncertainty.