

JOB _____

TYPE _____

CATALOG # _____



CA SERIES

APPLICATION

- ARCHITECTURALLY APPEALING RECESSED FIXTURE DESIGNED FOR AREAS WHERE CLEANLINESS IS OF UPMOST IMPORTANCE.
- IDEAL FOR MEDICAL, PHARMACEUTICAL, ELECTRONIC, PHOTOGRAPHIC AND FOOD PROCESSING AREAS.
- MODELS INCLUDE: 1x4, 2x2 AND 2x4.
- COMPATIBLE FOR USE IN AN ISO 14644-1 CLASS 6,7 AND 8 CLEAN ROOM ENVIRONMENT.

FINISH

- ALL EXPOSED METAL PARTS PRETREATED WITH A PHOSPHATE BONDING PROCESS AND POST-PAINTED WITH AN ELECTROSTATICALLY APPLIED HIGH TEMPERATURE BAKED WHITE ENAMEL FOR SUPERIOR QUALITY AND DURABILITY.

CONSTRUCTION

- ALL METAL COMPONENTS ARE DIE-FORMED OF HIGH GRADE COLD ROLLED STEEL.
- ENDS ARE RIVETED TO HOUSING AND THEN SEALED WITH WHITE SILICONE CAULKING.
- ACRYLIC LENS IS INSTALLED IN A HINGED AND LATCHED EXTRUDED ALUMINUM FRAME.
- GASKETED QUICK ACCESS PLATE FOR CONVENIENT POWER CONNECTION.
- DIE-FORMED STEEL HINGES AND ROTARY ACTION LATCHES. DESIGNED FOR SAFE SUSPENSION OF DOOR FRAME FOR RELAMPING AND POSITIVE LOCKING WHEN DOOR IS CLOSED. DOOR FRAME IS EASILY REMOVED WITHOUT TOOLS.
- DESIGNED FOR 1 1/2" AND 2" T-BAR CEILINGS.

ELECTRICAL

- STANDARD BALLAST IS ELECTRONIC, HPF, CLASS P AND UL LISTED FOR UNIVERSAL VOLTAGE.



- SUITABLE FOR DAMP LOCATIONS.
- I.B.E.W. LABELED.



CLEAN ROOM FIXTURE FOR RECESSED GRID APPLICATIONS

ORDERING GUIDE EXAMPLE: CA33224-CO9CLRE

SERIES	LMPs	WATTS	Fix		OPTIONS
CA	2	32-32wT8	14	BALLAST: 1 OR 2 LAMPS: EO - ONE BALLAST 3+ LAMPS: EO - TWO BALLAST, WIRED INBOARD/OUTBOARD (OR CUSTOMER SPECIFIED) CO - ONE BALLAST SPECIFIC BALLASTS: HL - HIGH BALLAST FACTOR LW - LOW BALLAST FACTOR PSP - PROGRAM START, PARALLEL WIRING PRS - PROGRAMMED RAPID START BALLAST (STD ON T5) DIMMING: DL - DIMMING, LUTRON DA - DIMMING, ADVANCE DO - DIMMING, OSRAM DU - DIMMING, UTL (SPECIFY VENDOR'S PRODUCT CATALOG DESCRIPTION) VOLTAGE: 1 - 120 7- 480 4 - 277 8 - 347-480 5 - 347 9- 120-277 LENS: FB - PATTERN 12, ACRYLIC .125" CL - CLEAR, .125" ACRYLIC DOOR FRAMES: RE - FLUSH WHITE, ALUMINUM RH - REGRESSED WHITE, ALUMINUM	IL - INVERTED LENS DL - DAMP LOCATION LAMPS L835- GENERIC, 3500K L841-GENERIC, 4100K EMERGENCY BALLASTS: EM1 - 1 LAMP (500 - 600L) EM1A - 1 LAMP (350 - 450L) EM2 - 2 LAMPS (1100 - 1400L) EM2A - 2 LAMPS (600 - 700L) EM3 - 1 LAMP (600 - 700L) 2 HRS.
	3,4	17-17wT8 U6-40w U6c/c OR 31w	22		
	2,3,4,6	28-28w T5 32-32w T8	24		
	2,3,4	54-54w T5HO	24		



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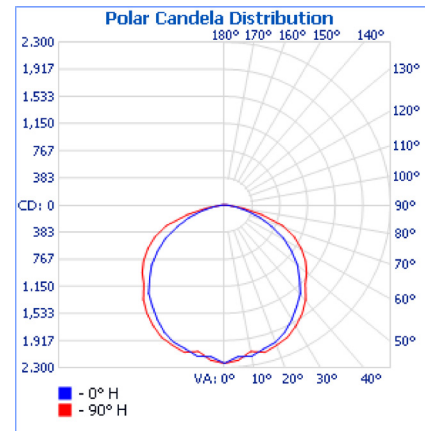
CA SERIES

PHOTOMETRIC DATA

CATALOG NUMBER: **CA33224-C09-CLRE**
 LAMPS: FLUOR. 32W 4" T8 3 LAMP, RATED LUMENS/LAMP 2,900
 TOTAL LUMINAIRE EFFICIENCY = 76.8%

Zonal Lumen Summary				Lumens Per Zone		
Zone	Lumens	%Lamp	%Fixt	Zone	Lumens	%Total
0-30	1752.8	20.1	26.2	0-10	208.0	3.1
0-40	2907.1	33.4	43.5	10-20	606.2	9.1
0-60	5230.9	60.1	78.3	20-30	938.6	14.0
60-90	1452.0	16.7	21.7	30-40	1154.2	17.3
0-90	6682.9	76.8	100	40-50	1206.5	18.1
90-180	0	0	0	50-60	1117.4	16.7
0-180	6682.9	76.8	100	60-70	883.1	13.2
				70-80	482.2	7.2
				80-90	86.7	1.2

Coefficients of Utilization - Zonal Cavity Method																		
Effective Floor Reflectance 20%																		
RC	80%				70%				50%			30%			10%		0%	
RW	70%	50%	30%	0%	70%	50%	30%	0%	50%	30%	20%	50%	30%	20%	50%	30%	20%	0%
0	.91	.91	.91	.91	.89	.89	.89	.77	.85	.85	.85	.82	.82	.82	.78	.78	.78	.77
1	.84	.80	.77	.74	.81	.78	.75	.65	.75	.72	.70	.72	.70	.68	.69	.67	.66	.64
2	.76	.69	.64	.60	.74	.68	.63	.54	.65	.61	.58	.63	.59	.56	.60	.57	.55	.53
3	.69	.61	.54	.49	.67	.60	.54	.46	.57	.52	.48	.55	.51	.47	.53	.49	.46	.45
4	.63	.54	.47	.42	.61	.53	.46	.39	.51	.45	.41	.49	.44	.40	.47	.43	.40	.38
5	.58	.48	.41	.36	.56	.47	.40	.34	.45	.39	.35	.44	.39	.35	.42	.38	.34	.33
6	.53	.43	.36	.31	.52	.42	.36	.30	.41	.35	.31	.39	.34	.30	.38	.34	.30	.28
7	.49	.39	.32	.27	.48	.38	.32	.26	.37	.31	.27	.36	.31	.27	.35	.30	.27	.25
8	.46	.35	.29	.24	.45	.35	.29	.24	.34	.28	.24	.33	.28	.24	.32	.27	.24	.22
9	.43	.32	.26	.22	.42	.32	.26	.21	.31	.25	.22	.30	.25	.21	.29	.25	.21	.20
10	.40	.30	.24	.20	.39	.30	.24	.19	.29	.23	.20	.28	.23	.19	.27	.23	.19	.18



DIMENSIONS

SPECIFICATIONS AND DIMENSIONAL DATA SUBJECT TO CHANGE WITHOUT NOTICE.

