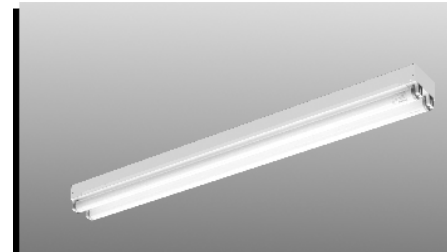


JOB \_\_\_\_\_  
 TYPE \_\_\_\_\_  
 CATALOG # \_\_\_\_\_



# CS SERIES



### APPLICATION

- ALL PURPOSE, HEAVY-DUTY OPEN CHANNEL FIXTURE. DEPENDABLE, ECONOMICAL LIGHTING FOR INDUSTRIAL, RETAIL AND ARCHITECTURAL APPLICATION.
- FLEXIBLE RANGE OF LAMP STYLES AND CHANNEL LENGTHS, 2, 3, 4, 6 AND 8 FOOT SIZES, 16 FOOT TANDEM UNITS.
- CAN BE SURFACE, CHAIN OR PENDANT MOUNTED INDIVIDUALLY OR IN CONTINUOUS ROWS.

### FINISH

- ALL METAL PARTS PRETREATED WITH AN IRON PHOSPHATE BONDING PROCESS AND A PRE-PAINTED CONTINUOUS COIL COAT APPLICATION OF HIGH TEMPERATURE BAKED WHITE POLYURETHANE FOR SUPERIOR QUALITY AND DURABILITY.

### CONSTRUCTION

- DIE-FORMED CODE GAUGE COLD ROLLED STEEL HOUSING FOR STRENGTH AND UNIFORMITY. SNAP-ON BALLAST COVER SECURED WITH SPRING CLIPS, ALLOWING NO-TOOL ACCESS FOR WIRING AND MAINTENANCE. KNOCKOUTS ON HOUSING TOP AND ENDS FOR MOUNTING AND ELECTRICAL CONNECTIONS.
- ACCESSORIES INCLUDE: ASYMMETRIC AND SYMMETRIC REFLECTORS AS WELL AS WIRE GUARDS.
- OPTIONAL QUICK-CONNECT WIRING SYSTEM FOR CONTINUOUS ROW INSTALLATION. OPTIONAL EXTENDED END PLATES FOR SOCKET PROTECTION.

### ELECTRICAL

- STANDARD BALLAST IS ELECTRONIC, HPF, CLASS P AND UL LISTED FOR UNIVERSAL VOLTAGE.
- LISTED LISTED.
- SUITABLE FOR DAMP LOCATIONS.
- I.B.E.W. LABELED.

## CHANNEL-MATE

### ORDERING GUIDE EXAMPLE: CS23248-EO9U

SERIES	LMPS	WATTS	FIXT		OPTIONS	
<b>CS</b>	1,2,3	17-17wT8	02	<b>BALLAST:</b> 1 OR 2 LAMPS: EO – ONE BALLAST 3+ LAMPS: EO – TWO BALLASTS, WIRED INBOARD/OUTBOARD (OR CUSTOMER SPECIFIED) CO – ONE BALLAST <b>SPECIFIC BALLASTS:</b> 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, ULT (SPECIFY VENDOR'S PRODUCT CATALOG DESCRIPTION) <b>VOLTAGE:</b> 1 - 120      7- 480 4 - 277      8 - 347-480 5 - 347      9- 120-277 <b>PACKAGING:</b> B - BULK PACKED U - INDIVIDUALLY PACKED PAL - 126 / PALLET	2G-20 GAUGE CRS HSG. & ENDS ALUM – ALUMINUM XP - EXTENDED END PLATES  <b>EMERGENCY BALLASTS:</b> EM1- 1-LAMP (500-600 LUMENS) EM1A -1-LAMP (350-450 LUMENS) EM2 - 2-LAMPS (1100-1400 LUMENS) EM2A - 2-LAMPS (600-700 LUMENS) EM3 - 1-LAMP (600-700 LUMENS), 2-HOURS  <b>MATE – N - LOCK:</b> MNL2 – MATE AND LOCK PLUG-IN WIRING SYSTEM – ONE CIRCUIT MNL3 – MATE AND LOCK PLUG-IN WIRING SYSTEM – TWO CIRCUITS  <b>ACCESSORIES:</b> CSWG(*) -HINGED WIREGUARD , PLATED STEEL RE(*) -REFLECTOR: ORDER 1 FOR ASYMMETRIC, 2 FOR SYMMETRIC(6 AND 8 FOOT ARE 2 PIECES WITH ALIGNER) (* SPECIFY LENGTH)	
		25-25w T8	03			
		14-14w T5	22			
		24-24wT5HO				
		28-28wT5	46			
		54-54wT5HO				
	2,4,6	32-32w T8	48			
		25-25w T8	72			
		28-28wT5	92			
		54-54wT5HO				
		1,2	59-59wT8			96
			SLIMLINE			
2,4,6	32-32w T8					



LUMAX INDUSTRIES, INC. Chestnut Avenue & Fourth Street  
 Altoona, PA 16603-0991 814-944-2537 Fax 814-944-6413  
 www.lumaxlighting.com



# LUMAX LIGHTING

## CS SERIES

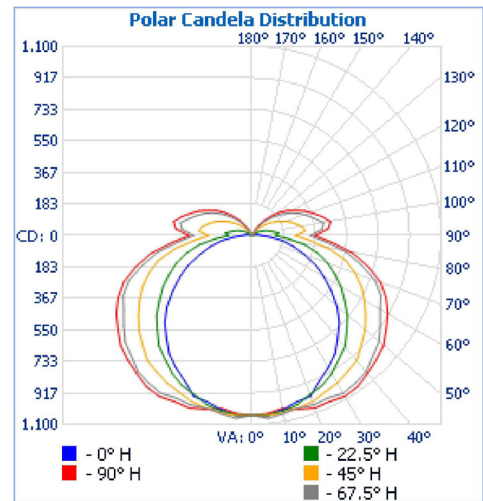
### PHOTOMETRIC DATA

CATALOG NUMBER: **CS23248-EO9U**  
 LAMPS: Two F32T8 RATED AT 2900 LUMENS EACH  
 TOTAL LUMINAIRE EFFICIENCY = 92%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	100.1	1.9%	90-100	289.8	5.4%
10-20	292.2	5.5%	100-110	254.6	4.8%
20-30	464.8	8.7%	110-120	181.4	3.4%
30-40	604.2	11.3%	120-130	113.1	2.1%
40-50	685.9	12.9%	130-140	56.9	1.1%
50-60	702.7	13.2%	140-150	19.0	0.4%
60-70	664.9	12.5%	150-160	2.0	0%
70-80	549.4	10.3%	160-170	0	0%
80-90	353.3	6.6%	170-180	0	0%

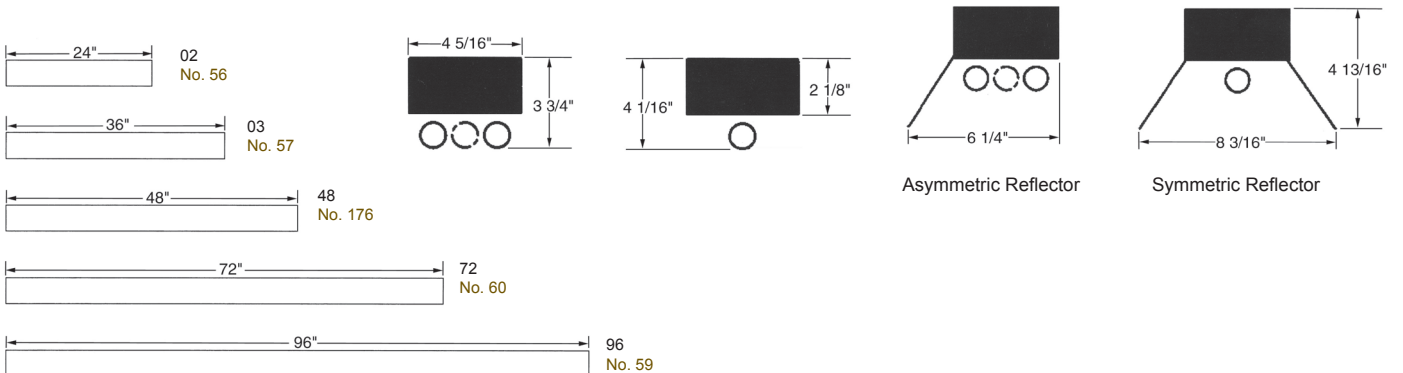
Zonal Lumen Summary				
Zone	Lumens	% Lamp	% Luminaire	
0-30	857.1	14.8%	16.1%	
0-40	1,461.4	25.2%	27.4%	
0-60	2,850.0	49.1%	53.4%	
60-90	1,567.6	27%	29.4%	
70-100	1,192.5	20.6%	22.4%	
90-120	725.8	12.5%	13.6%	
0-90	4,417.6	76.2%	82.8%	
90-180	916.7	15.8%	17.2%	
0-180	5,334.3	92%	100%	

Coefficients Of Utilization - Zonal Cavity Method																								
Effective Floor Cavity Reflectance: 20%																								
RCC %:	80				70				50				30				10				0			
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	50	30	20	50	30	20	
RCR: 0	1.06	1.06	1.06	1.06	1.01	1.01	1.01	.76	.93	.93	.93	.86	.86	.86	.79	.79	.79	.76						
1	.94	.88	.83	.79	.89	.84	.80	.59	.78	.74	.71	.68	.66	.65	.63	.61	.58							
2	.84	.75	.68	.62	.80	.72	.65	.47	.66	.61	.56	.61	.56	.52	.49	.46								
3	.76	.65	.56	.50	.72	.62	.55	.39	.57	.51	.45	.52	.47	.43	.40	.37								
4	.69	.57	.48	.41	.65	.54	.46	.32	.50	.43	.38	.46	.40	.36	.33	.31								
5	.63	.50	.41	.35	.60	.48	.40	.28	.44	.37	.32	.41	.35	.30	.28	.26								
6	.58	.45	.36	.30	.55	.43	.35	.24	.40	.33	.28	.37	.31	.26	.24	.22								
7	.53	.40	.32	.26	.51	.39	.31	.21	.36	.29	.24	.33	.27	.23	.21	.19								
8	.50	.37	.29	.23	.47	.35	.28	.19	.33	.26	.21	.30	.25	.20	.18	.17								
9	.46	.33	.26	.20	.44	.32	.25	.17	.30	.24	.19	.28	.22	.18	.16	.15								
10	.43	.31	.23	.18	.41	.30	.23	.15	.28	.21	.17	.26	.20	.16	.14	.14								



### DIMENSIONS

SPECIFICATIONS AND DIMENSIONAL DATA SUBJECT TO CHANGE WITHOUT NOTICE.



Number shown indicates mounting / knockouts diagram - see Options & Accessories section of catalog.