

JOB _____

TYPE _____

CATALOG # _____



APPLICATION

- ALL PURPOSE, HEAVY-DUTY OPEN CHANNEL FIXTURE. DEPENDABLE, ECONOMICAL LIGHTING FOR INDUSTRIAL, RETAIL, COVE AND DISPLAY APPLICATIONS.
- CAN BE SURFACE, CABLE, CHAIN OR PENDANT MOUNTED INDIVIDUALLY OR IN CONTINUOUS ROWS. (JOINER PLATE INCLUDED)

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

- DIE-FORMED CODE GAUGE COLD ROLLED STEEL HOUSING FOR STRENGTH AND UNIFORMITY. KNOCKOUTS ON HOUSING TOP AND ENDS FOR MOUNTING AND ELECTRICAL CONNECTIONS.
- STEEL/ALUMINUM SOURCED FROM USA ORIGIN.
- MATE-N-LOC (MNL) OPTIONAL QUICK-CONNECT WIRING SYSTEM FOR CONTINUOUS ROW INSTALLATION.

ELECTRICAL

- LISTED
- **L80** AT 66,000 HOURS
- **L70** PROJECTED AT 104,000 HOURS
- SUITABLE FOR DRY LOCATIONS. (DAMP OPTIONAL)
- I.B.E.W. LABELED.
- 5 YEAR LIMITED WARRANTY ON LED BOARDS AND DRIVERS.
- 45C/113F MAXIMUM AMBIENT.
- 0-10V DIMMING STANDARD TO 1%
- LUMEN/WATTAGE TUNING AVAILABLE.
- (CONTACT FACTORY FOR OPTIONS)
- DRIVER QUICK DISCONNECT STANDARD WHERE REQUIRED BY CODE.
- 80+ CRI STD. CONSULT FACTORY FOR 90 CRI LUMEN PACKAGE OPTIONS.
- CERTAIN VERSIONS DLC QUALIFIED.
- (CHECK WWW.DESIGNLIGHTS.ORG FOR LIST OF SPECIFIC QUALIFIED CONFIGURATIONS UNDER THE "QUALIFIED PRODUCTS LIST" TAB.)

CHLED SERIES



**LED WIDE CHANNEL
DOUBLE LED
Row**



ORDERING GUIDE

EXAMPLE: CHLED55L4K48-9

SERIES	LUMENS	KELVIN	FIX		
CHLED	25L	3K,	24	** LUMENS: "SEE PERFORMANCE CHART ON BACK PAGE" KELVIN: 3K = 3,000 KELVIN 35K = 3,500 KELVIN 4K = 4,000 KELVIN 5K = 5,000 KELVIN FIXTURE LENGTH: 24 - 24" OVERALL LENGTH 47 - 47" OVERALL LENGTH (RECOMMENDED FOR CONTINUOUS ROW MOUNTING TO MINIMIZE DARK AREA BETWEEN FIXTURES) 48 - 48" OVERALL LENGTH 94 - 94" OVERALL LENGTH (RECOMMENDED FOR CONTINUOUS ROW MOUNTING TO MINIMIZE DARK AREA BETWEEN FIXTURES) 96 - 96" OVERALL LENGTH VOLTAGE: 1 - 120v 4 - 277v 5 - 347v 9- 120-277 UNIVERSAL VOLTAGE	OPTIONS: EM1 - 500 - 700 LUMEN BATTERY PACK (NOT AVAILABLE ON 2' UNIT) EM2 - 1100 - 1400 LUMEN BATTERY PACK (NOT AVAILABLE ON 2' UNIT) GTD - GENERATOR TRANSFER DEVICE (MUST SPECIFY VOLTAGE), (NOT AVAILABLE ON 2' UNIT) SDIM - STEP DIMMING. (CONSULT FACTORY FOR LUMEN PACKAGE OPTIONS) DL - DAMP LOCATION 90 - 90 CRI MATE-N-LOC QUICK WIRING CONNECTOR FOR CONTINUOUS ROW: MNL1 - ONE CIRCUIT AND EM (BLACK,WHITE,GREEN AND RED WIRES) MNLD1 - ONE CIRCUIT AND EM WITH 0-10V (BLACK, WHITE, GREEN, RED, PURPLE, AND GRAY WIRES) MOTION SENSORS: MSH - 120/277 LINE VOLTAGE, PIR, HIGH BAY LENS (15'-40') ON/OFF. MSL - 120/277 LINE VOLTAGE, PIR, HIGH BAY LENS (8-15') ON/OFF. ACCESSORIES: SA1009 - 42" CHAINS & V-HOOKS 53171 - 120" CABLE KIT (LOOP AT TOP & PADDLES AT FIXTURE) 61454 - 24" CHROME 11GA WIREGUARD (1 PER 2' FIXTURE) 61455 - 47" CHROME 11GA WIREGUARD (1 PER 47" FIXTURE & 2 PER 94" FIXTURE) 61016 - 48" CHROME 11GA WIREGUARD (1 PER 48" FIXTURE & 2 PER 96" FIXTURE)
	37L	35K,	47		
	48L	4K,	48		
	65L	5K			
	19L		47		
	39L		48		
	55L		94		
	74L		96		
	91L				
	37L		94		
	79L		96		
	104L				
	149L				
182L					



PERFORMANCE CHART

CHLED

Lumen package	Fixture size	3000K CCT			3500K CCT			4000K CCT			5000K CCT		
		Delivered Lumens	Input Watts	LPW	Delivered Lumens	Input Watts	LPW	Delivered Lumens	Input Watts	LPW	Delivered Lumens	Input Watts	LPW
25L	24	2,599	21	124	2,643	21	126	2,730	21	130	2,812	21	134
37L		3,744	31	121	3,807	31	123	3,933	31	127	4,051	31	131
48L		4,846	39	124	4,927	39	126	5,090	39	131	5,243	39	134
65L		6,552	53	124	6,662	53	126	6,882	53	130	7,089	53	134
19L	47	1,867	14	133	1,899	14	136	1,961	14	140	2,020	14	144
39L		3,978	29	137	4,045	29	139	4,178	29	144	4,304	29	148
55L		5,538	44	126	5,631	44	128	5,817	44	132	5,992	44	136
74L		7,488	61	123	7,614	61	125	7,866	61	129	8,102	61	133
91L	48	9,116	67	136	9,269	67	138	9,576	67	143	9,863	67	147
37L	94	3,575	24	149	3,635	24	151	3,755	24	156	3,868	24	161
79L		7,957	56	142	8,090	56	144	8,358	56	149	8,609	56	154
104L		10,418	76	137	10,593	76	139	10,943	76	144	11,272	76	148
149L		14,976	121	124	15,228	121	126	15,731	121	130	16,203	121	134
182L		18,232	133	137	18,538	133	139	19,151	133	144	19,726	133	148

PHOTOMETRIC DATA

CATALOG NUMBER: CHLED55L4K48-9

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,604.8	27.6%
0-40	2,629.4	45.2%
0-60	4,655.6	80%
60-90	1,161.4	20%
70-100	446.5	7.7%
90-120	0	0%
0-90	5,817.0	100%
90-180	0	0%
0-180	5,817.0	100%

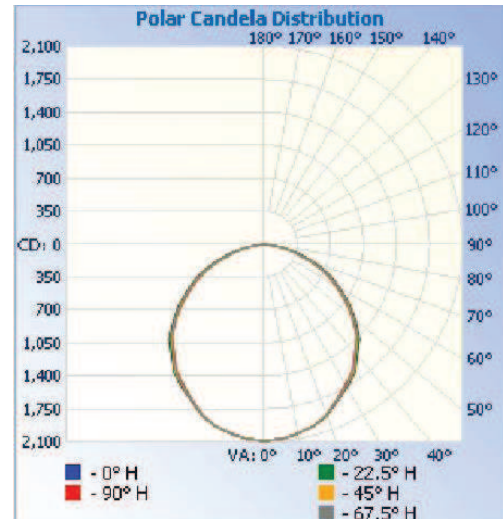
Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	196.9	3.4%	90-100	0	0%
10-20	563.6	9.7%	100-110	0	0%
20-30	844.2	14.5%	110-120	0	0%
30-40	1,024.6	17.6%	120-130	0	0%
40-50	1,071.6	18.4%	130-140	0	0%
50-60	954.6	16.4%	140-150	0	0%
60-70	714.9	12.3%	150-160	0	0%
70-80	369.3	6.3%	160-170	0	0%
80-90	77.2	1.3%	170-180	0	0%

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	0						
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.85	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2	.99	.91	.84	.79	.97	.89	.83	.72	.86	.80	.76	.82	.78	.74	.79	.76	.72	.70
3	.90	.80	.72	.65	.88	.78	.71	.61	.75	.69	.64	.73	.67	.63	.70	.65	.61	.59
4	.83	.71	.62	.55	.80	.69	.61	.52	.67	.60	.54	.65	.58	.53	.62	.57	.53	.51
5	.76	.63	.54	.48	.74	.62	.54	.46	.60	.53	.47	.58	.51	.46	.56	.50	.46	.44
6	.70	.57	.48	.42	.68	.56	.48	.40	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7	.65	.52	.43	.37	.63	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8	.61	.47	.39	.33	.59	.46	.38	.32	.45	.38	.32	.44	.37	.32	.43	.37	.32	.30
9	.57	.43	.35	.29	.55	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10	.53	.40	.32	.27	.52	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.31	.26	.24



DIMENSIONS

SPECIFICATIONS AND DIMENSIONAL DATA SUBJECT TO CHANGE WITHOUT NOTICE.

FIXTURE SIZE	DIM (A)	DIM (B)	DIM (C)
24"	N/A	15-3/4"	18-1/4"
47"	33"	38-3/4"	41-1/4"
48"	34"	39-3/4"	42-1/4"
94"	80"	85-3/4"	88-1/4"
96"	82"	87-3/4"	90-1/4"

