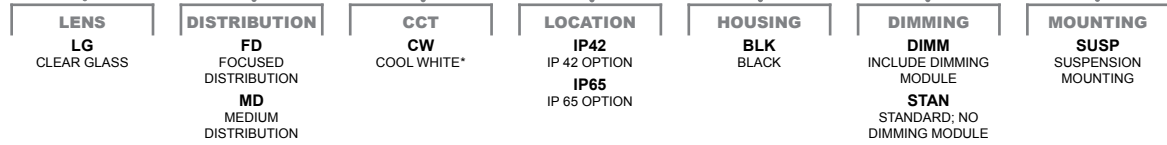


PART NUMBER

LW-LUSIO-LIN-LG- -CW- -BLK- -SUSP



FEATURES & BENEFITS

(INFORMATION APPLIES TO A SINGULAR FIXTURE)

POWER

- **POWER INPUT REQUIREMENTS:** 110-277 VAC (50/60 HZ)
- **OPERATING TEMPERATURE RANGE:** -22° TO 144° F (-30° TO 60° C)
- **LUMINOUS FLUX/ POWER CONSUMPTION:**
FOCUSED DISTRIBUTION: 4,228 LM @ 68 W (63 LUMINAIRE EFFICACY RATING)
MEDIUM DISTRIBUTION: 3,890 LM @ 68 W (58 LUMINAIRE EFFICACY RATING)

NOTE: LUMINOUS FLUX MEASUREMENTS ARE LISTED AT 77° F (25° C) OPERATING CONDITIONS AFTER THERMAL STABILIZATION.

POWER CONSUMPTION MEASUREMENTS ARE BASED ON THE AC POWER CONSUMPTION INCLUSIVE OF THE POWER SUPPLY.

- **DIMMING:** OPTIONAL MODULE INTERFACES TO LIGHTWILD OR THIRD PARTY DMX-BASED DIMMING CONTROL SYSTEMS.

DIMMING REQUIRES ONE LIGHTWILD SERIES B CONTROL UNIT PER DIMMING ZONE. SEE DATA SHEET AT WWW.LIGHTWILD.COM/LUSIO

ILLUMINANCE/ OPTICAL PERFORMANCE

- BUILT WITH LENSED LED LIGHT ENGINES.
- CUSTOM DESIGNED OPTICALLY WEIGHTED REFLECTOR TAILORED TO PROVIDE EVEN ILLUMINANCE DISTRIBUTION ACROSS THE ILLUMINANCE PLANE; NO "HOT SPOTS" OR VARYING ILLUMINANCE LEVELS AT THE WORK PLANE.
- INSTANT ON. NO RAMP UP, FLICKER, OR BUZZING.
- **FOCUSED DISTRIBUTION:** METALIZED, SPECULAR REFLECTOR CREATES A UNIFORM, ROUND DISTRIBUTION WITH 98% OF LIGHT IN THE BEAM ANGLE. A 40° CUT-OFF ENSURES THERE IS NO GLARE. TYPICALLY USED FOR HIGH MOUNTING HEIGHTS.
- **MEDIUM DISTRIBUTION:** DIFFUSED, WHITE REFLECTOR CREATES A UNIFORM, ROUND DISTRIBUTION WITH HIGHER VERTICAL LIGHT LEVELS, APPROPRIATE FOR PUTTING LIGHT ON VERTICAL SURFACES. 75% OF LIGHT IS IN THE BEAM ANGLE. 50° CUT OFF ENSURES THERE IS NO GLARE. TYPICALLY USED FOR LOW TO MEDIUM MOUNTING HEIGHTS.

SEE PHOTOMETRICS AND IES FILES FOR MORE INFORMATION AT WWW.LIGHTWILD.COM/LUSIO

OUTPUT COLOR

- **CCT:** 4150K +/- 350K STANDARD (COOL WHITE*)
- **CRI:** 70 (TYPICAL)

RELIABILITY/ LUMEN MAINTENANCE

- **B10L70 LIFE:** 60,000 HOURS MINIMUM
- ELECTRICAL SOFT START FUNCTIONALITY TO LIMIT IN-RUSH CURRENT.

THERMAL MANAGEMENT

- LUMINAIRE DESIGN PROVIDES FOR MINIMAL HEAT BUILDUP WITHIN FIXTURE.
- INTEGRATED HEATSINK; NO NEED FOR EXTERNAL HEATSINK MOUNTING.
- VENTED STEEL ENCLOSURE MAXIMIZES NATURAL CONVECTIVE HEAT TRANSFER.
- THERMALLY OPTIMIZED PCB MATERIALS AND THERMAL LAYOUT.
- PCB, CASING AND FIXTURE ENCLOSURE COMBINATION PROVIDE FOR REDUCED LED JUNCTION TEMPERATURE AT ELEVATED AMBIENT OPERATING CONDITIONS.

SUITABLE ENVIRONMENTAL CONDITIONS

- IP42 AND IP65 MOISTURE RATED OPTIONS AVAILABLE.

MECHANICAL FEATURES

- **RELAMPABLE LED LIGHT ENGINES:** ALLOWS FIELD REPLACEMENT OF INDIVIDUAL LIGHT ENGINES WITHOUT THE NEED TO UNINSTALL FIXTURE.
- QUICK DISCONNECT OF POWER CONNECTION TO LED LIGHT ENGINE.
- SUSPENSION MOUNTING STANDARD. (CHAIN OR CABLE PROVIDED BY OTHERS.)
- FACTORY PRE-WIRED FOR EASY FIELD INSTALLATION.

AVAILABLE HOUSING COLORS

- SATIN BLACK POWDER COAT WITH MULTI-STAGE CORROSION RESISTANT PRE-TREATMENT IS STANDARD. CONTACT LIGHTWILD FOR PRICING AND ORDERING MINIMUMS ON WHITE HOUSINGS.

WARRANTY

- LIGHTWILD OFFERS A LIMITED 5-YEAR WARRANTY. SEE LIGHTWILD.COM FOR FULL WARRANTY INFORMATION.

OTHER FEATURES

- **ROHS COMPLIANT**
- **LUMINAIRE WEIGHT:** APPROXIMATELY 38 POUNDS (17.2 KGs) PER LUMINAIRE
- **LISTINGS:** UL LISTED FOR SAFETY (1598). CE.

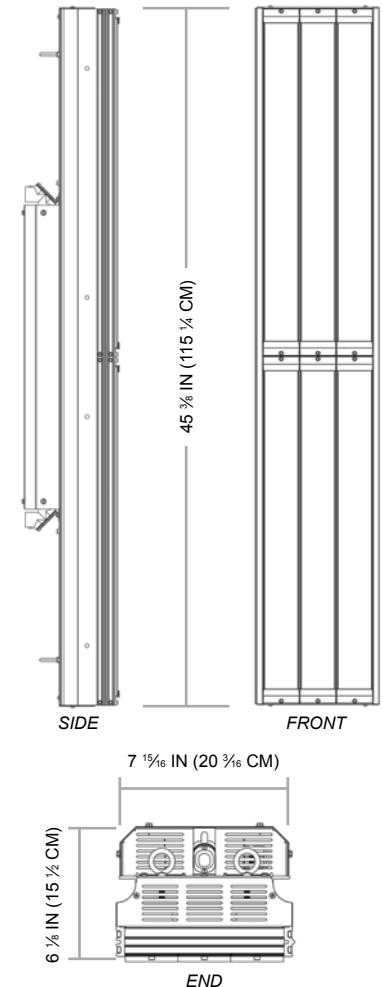
ACCESSORIES/REPLACEMENT LIGHT ENGINES

- SEE WWW.LIGHTWILD.COM/LUSIO

PRODUCT IMAGE



DIMENSIONS



DOWNLOAD CAD FILES, INSTALLATION INSTRUCTIONS, AND WIRING DIAGRAMS AT WWW.LIGHTWILD.COM/LUSIO

* FOR MARKETING PURPOSES, LIGHTWILD USES THE TERMS "WARM WHITE" AND "COOL WHITE" TO CLASSIFY ITS WHITE PRODUCTS. FOR PHOTOMETRIC TESTING (VIEW AND DOWNLOAD RESULTS AT WWW.LIGHTWILD.COM), LIGHTWILD RECOGNIZES THE AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) SPECIFICATIONS FOR THE CHROMATICITY OF SOLID STATE LIGHTING PRODUCTS AND ITS NINE TARGET CCTs FOR WHITE LIGHTING:

• INCANDESCENT WHITE (2725K +/- 145)
• SUN WHITE (5028K +/- 283)

• WARM WHITE (3045K +/- 175)
• SUN WHITE 2 (5665K +/- 355)

• WHITE (3465K +/- 245)
• DAYLIGHT (6530K +/- 510)

• COOL WHITE (3985K +/- 275)
• FLEXIBLE CCT (2700K - 6500K)

• COOL WHITE 2 (4503K +/- 243)

Photometrics • Lusio Industrial Linear • Focused Distribution

► Part No. LW-LUSIO-LIN-LG-FD-CW

Total Thermally Stabilized Lumens: 4,228
Kelvin: 4150K +/- 350K (standard)

Photometry results from actual luminaire tested at 3950K.

Fixture Wattage: 68W (110-277 VAC)
Luminaire Efficacy Rating: 63

Spacing Criteria

Lateral Plane	0°	90°
	1.5	1.5

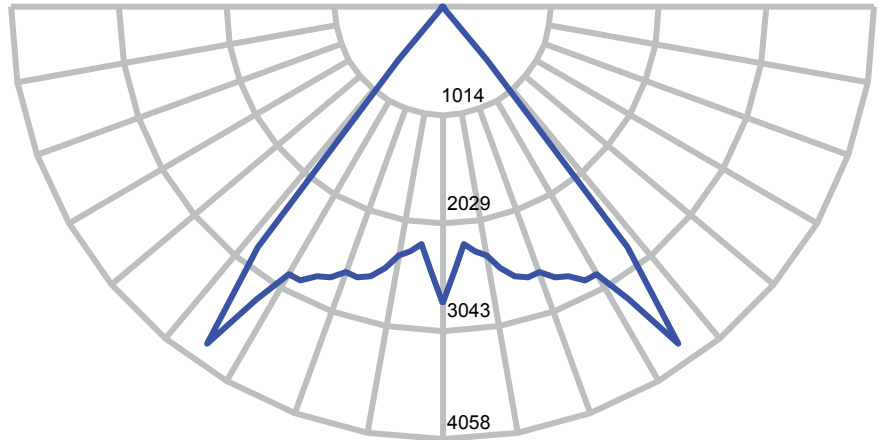
► **Beam Data**



Height	Beam Center Footcandles	Beam Diameter
8 ft	43.3	13.5 ft
10 ft	27.7	16.8 ft
12 ft	19.3	20.2 ft
15 ft	12.3	25.3 ft
18 ft	8.6	30 ft
20 ft	6.9	34 ft

► **Polar Candela Distribution**

Quadrilaterally Symmetric



► **Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance: 0.20

RC	80				70				50				30				10				0			
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0					
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	96	95	93					
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85					
3	101	94	89	84	99	93	88	84	90	86	82	88	84	81	85	82	80	78	78					
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72					
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66	66					
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60	60					
7	80	69	63	58	78	69	63	58	67	62	58	66	61	57	65	61	57	56	56					
8	75	65	58	54	74	64	58	53	63	57	53	62	57	53	61	56	53	51	51					
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47	47					
10	67	56	50	46	66	56	50	45	55	49	45	54	49	45	53	48	45	44	44					

► **Zonal Lumen Summary**

Zone	Lumens	Zone	Lumens	% of Fixture
0° - 10°	228.6	0° - 30°	2,317.1	54.8
10° - 20°	759.9	0° - 40°	4,126.6	97.6
20° - 30°	1,328.7	0° - 60°	4,217.5	99.8
30° - 40°	1,809.5	0° - 90°	4,228.0	100
40° - 50°	79.4	90° - 120°	0	0
50° - 60°	11.6	90° - 130°	0	0
60° - 70°	6.0	90° - 150°	0	0
70° - 80°	3.2	90° - 180°	0	0
80° - 90°	1.3	0° - 180°	4,228.0	100
90° - 180°	0			
Total	4,228.0			

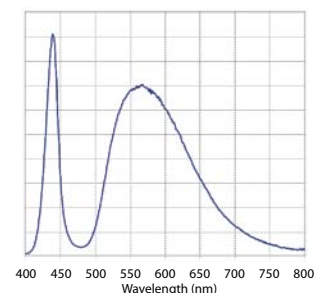
► **Candela Distribution Array**

Vertical Angle	Horizontal Angle		
	0°	45°	90°
	0°	2,774.4	2,774.4
5°	2,180.6	2,321.3	2,328.7
15°	2,583.1	2,670.9	2,680.1
25°	2,792.5	2,825.6	2,863.6
35°	3,793.5	3,894.5	3,544.4
45°	25.1	27.0	37.4
55°	10.7	11.6	20.0
65°	5.3	5.9	10.0
75°	2.8	3.3	4.2
85°	1.1	1.3	1.8
90°	0.4	0.9	0.4

► **Luminance Data (Cd/m²)**

Vertical Angle	Average 0°	Average 45°	Average 90°
45°	151.0	163.0	225.0
55°	79.0	86.0	148.0
65°	53.0	59.0	101.0
75°	46.0	54.0	69.0
85°	53.0	62.0	86.0

► **Spectral Power Distribution**



Total Thermally Stabilized Lumens: 3,890
Kelvin: 4150K +/- 350K (standard)
Photometry results from actual luminaire tested at 3950K.

Fixture Wattage: 68W (110-277 VAC)
Luminaire Efficacy Rating: 58

Spacing Criteria
 Lateral Plane 0° 90°
 1.3 1.3

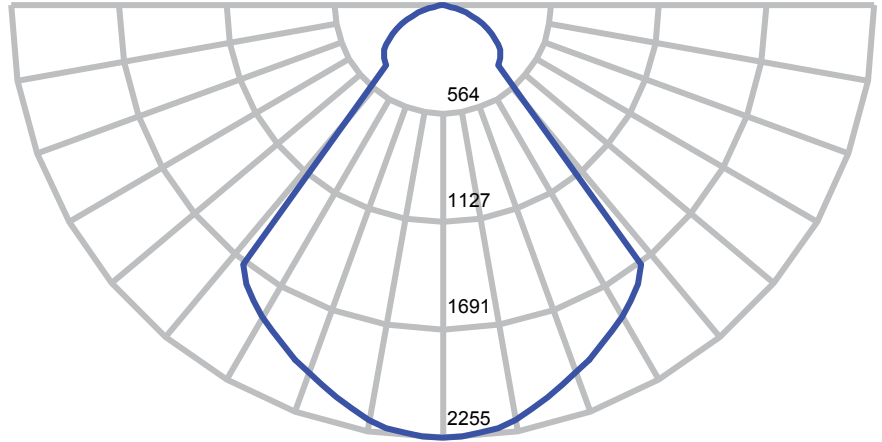
► **Beam Data**



Height	Beam Center Footcandles	Beam Diameter
8 ft	35.2	36.2 ft
10 ft	22.6	45.2 ft
12 ft	15.7	54.3 ft
15 ft	10.0	67.9 ft
18 ft	7.0	81 ft
20 ft	5.6	90 ft

► **Polar Candela Distribution**

Quadrilaterally Symmetric



► **Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance: 0.20

RC	80				70				50			30			10			0		
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	122	122	122	122	122	119	119	119	119	114	114	114	109	109	109	105	105	105	103	
1	114	110	107	104	104	112	108	105	102	104	101	99	100	98	96	96	95	93	91	
2	106	99	94	89	89	104	98	93	88	94	90	86	91	87	84	88	85	83	81	
3	99	90	83	78	78	96	88	82	77	86	80	76	83	78	75	80	77	73	71	
4	92	82	74	69	69	90	81	74	68	78	72	67	76	71	67	74	69	66	64	
5	86	75	67	61	61	84	74	66	61	72	65	60	70	64	60	68	63	59	57	
6	80	69	61	55	55	78	68	60	55	66	59	55	64	59	54	73	58	54	52	
7	75	63	55	50	50	74	62	55	50	61	54	50	60	54	49	58	53	49	47	
8	71	59	51	46	46	69	58	51	46	57	50	45	55	49	45	54	49	45	43	
9	66	54	47	42	42	65	54	47	42	53	46	42	52	46	41	51	45	41	40	
10	63	51	43	39	39	61	50	43	39	59	43	38	48	42	38	47	42	38	37	

► **Zonal Lumen Summary**

Zone	Lumens	Zone	Lumens	% of Fixture
0° - 10°	212.4	0° - 30°	1,731.4	44.5
10° - 20°	602.2	0° - 40°	2,773.4	71.3
20° - 30°	916.8	0° - 60°	3,516.4	90.4
30° - 40°	1,042.0	0° - 90°	3,890.0	100
40° - 50°	397.7	90° - 120°	0	0
50° - 60°	345.3	90° - 130°	0	0
60° - 70°	247.2	90° - 150°	0	0
70° - 80°	110.7	90° - 180°	0	0
80° - 90°	15.7	0° - 180°	3,890.0	100
90° - 180°	0			
Total	3,890.0			

► **Candela Distribution Array**

Vertical Angle	Horizontal Angle		
	0°	45°	90°
0°	2,254.7	2,254.7	2,254.7
5°	2,238.6	2,241.3	2,237.9
15°	2,114.8	2,139.3	2,151.1
25°	1,955.7	1,995.8	2,030.3
35°	1,772.2	1,801.8	1,697.9
45°	417.8	454.5	476.5
55°	351.8	388.3	405.6
65°	229.3	253.7	268.6
75°	95.9	104.8	115.7
85°	7.3	8.1	13.2
90°	0.3	2.0	0.4

► **Luminance Data (Cd/m²)**

Vertical Angle	Average 0°	Average 45°	Average 90°
45°	2,514.0	2,734.0	2,867.0
55°	2,609.0	2,880.0	3,008.0
65°	2,308.0	2,554.0	2,703.0
75°	1,576.0	1,723.0	1,902.0
85°	356.0	393.0	645.0

► **Spectral Power Distribution**

