

# KEMLUX III SERIES SEVERE LOCATION



HUBBELL  
Industrial Lighting

CAT.#	APPROVALS
JOB	TYPE

## SPECIFICATIONS

### Applications -

Designed to efficiently light corrosive and harsh applications such as chemical, petrochemical, marine, power generation, pharmaceutical or food processing plants.

### Construction -

- Vertically finned cast aluminum housing for maximum heat dissipation ensuring long component life and performance
- Separate hinged optical and electrical compartments for optimum component operation and easy installation, maintenance.
- One piece molded silicone gasket ensures weather proof seal around each individual LED; Stamped bezel provides mechanical compression to seal the optical assembly
- Modular design provides 6 mounting options
- Specialized thermal management allows up to 40°C ambient temperature ratings
- Copper-free (<0.4%) aluminum housing and cover with gray Lektrocote® powder polyester paint finish provides excellent corrosion resistance from most chemicals
- Fixture weight:** 29 lbs. **Shipped weight:** 33 lbs.

### Optics/Electrical System -

- Custom engineered LED optics providing optimally controlled and evenly distributed light
- Three distinct distributions: Type V square, Type V rectangle and Narrow

### LED Light Engine -

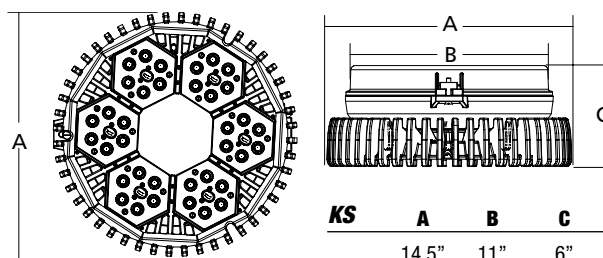
- High output LEDs delivering up to 105 lumens per watt
- CCT: 5100K
- 18, 24 and 36 LEDs on up to six individual light engines providing fail-safe redundancy

### LED Driver -

- Transient voltage protection with standard 10KVA surge suppressor
- Thermal compensation management
- Wattage: 43-86
- Minimum operating temperature of -40°C to 40°C



### DIMENSIONS



### Listings -

- Listed to UL1598 for use in wet locations

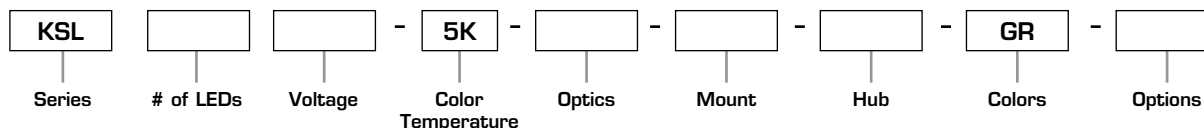
### Warranty -

- Five years from date of purchase



## ORDERING INFORMATION

ORDERING EXAMPLE: KSL-36L-U-5K-N-C-2-TN-WG-WIH



### SERIES

KSL Kemlux III LED

### NUMBER OF LEDS

18L	18 High Performanc LEDs (43 watts)
24L	24 High Performanc LEDs (57 watts)
36L	36 High Performanc LEDs (86 watts)

### VOLTAGE

U	120 - 277
1	120
2	208
3	240
4	277
5	480
F	347

### COLOR TEMPERATURE

5K 5000° Kelvin

### OPTICS

5M	Type V Square
5R	Type V Rectangle
N	Narrow

### MOUNT

A	Pendant
B	Wall Bracket
C	Cone
D	Stanchion 25°
N	None (Mount ordered separately)
S	Straight stanchion
X	Ceiling
Y	Yoke Mount

### ACCESSORIES (Order as separate part #)

WG Wire Guard

### HUB

2	¾"
Available with A, B, C, X Mount	
3	1"
Available with A, B, C, X Mount	
4	1 ¼"
5	1 ½"
Available with S, D Mount	

### COLORS

WH	White
GR	Gray

### OPTIONS

WIH	Wireless Control System
SC70	70% Output dimmed/ 30% Energy savings
SC50	50% Output dimmed/ 50% Energy savings
SC30	30% Output dimmed/ 70% Energy savings
SC0	No light output when dimmed/ ON/OFF Control
F[x]	Fusing <sup>1</sup>
P1	Photo cell factory 120V <sup>3</sup>
P2	Photo cell factory 208-277V <sup>3</sup>
P3	Photo cell factory 347V <sup>3</sup>

### Notes:

- Fusing 1-120V, 2-208V, 3-240V, 4-277V, 6-347V
- Must specify voltage on order
- Available only with A, B, D and S mounting options

# KEMLUXIII LED SERIES - SEVERE LOCATION

## MOUNTING OPTIONS



PENDANT MOUNT



CONE MOUNT



CEILING MOUNT



STANCHION (0°) MOUNT



STANCHION (25°) MOUNT



WALL MOUNT

## LED SYSTEM INFORMATION

NUMBER OF LED's	DRIVE CURRENT (MILLIAMPS)	INPUT WATTS	TOTAL LUMENS	LUMENS PER WATT	HID EQUIVALENT	
18	STD. (700 MA)	43	4410	103	100w HID	
			4323	101		
			4405	102		
24		57	57	5988	105	175w HID
				5712	100	
				5896	103	
36		86	86	9004	105	250w HID
				8473	99	
				8747	102	

<sup>1</sup>Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

## PROJECTED LUMEN MAINTENANCE

AMBIENT TEMPERATURE	0	25,000	50,000	<sup>1</sup> TM-21-11 60,000	100,000	CALCULATED L70 (HOURS)
10°C / 50°F	1.01	1.00	0.99	0.99	0.97	>1,085,000
25°C / 77°F	1.00	0.99	0.98	0.98	0.96	>1,085,000
40°C / 104°F	0.99	0.98	0.96	0.96	0.94	>706,000

<sup>1</sup> Projected per IESNA TM-21-11  
Data references the extrapolated performance projections for the SCP-36LU-5K base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

## ELECTRICAL DATA

NUMBER OF LED's	NUMBER OF DRIVERS	DRIVE CURRENT (MILLIAMPS)	INPUT VOLTAGE (V)	SYSTEM POWER (W)	CURRENT (AMPS)
18	1	STD. (700 MA)	120	43	0.36
			277	45	0.20
			347	43	0.13
			480	43	0.11
24	2		120	57	0.48
			277	59	0.24
			347	56	0.17
			480	57	0.13
36	3		120	86	0.73
			277	89	0.35
			347	84	0.25
			480	85	0.20

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## PHOTOMETRIC REPORT

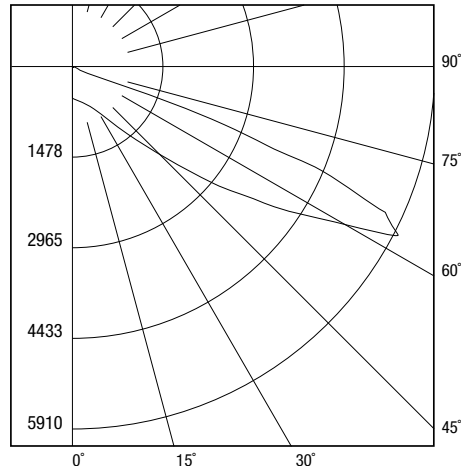
REPORT NUMBER: KXL-36L-X-5K-5M

### LUMINANCE DATA (cd/sq.m)

ANGLE IN DEGREES	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	36714	38224	36501
55	64143	91715	63284
65	47593	182242	47788
75	2539	17775	2645
85	1257	1571	1414

### ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-30	557.83
0-40	1309.22
0-60	5689.70
0-90	8461.34



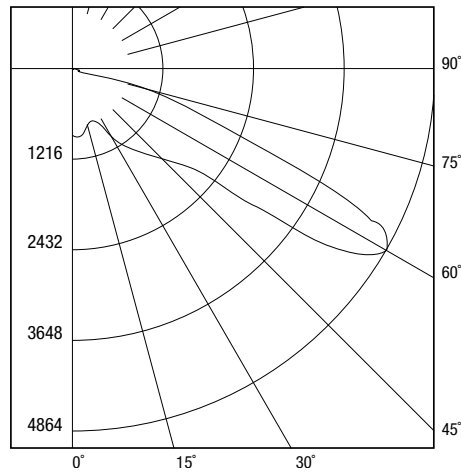
REPORT NUMBER: KXL-36L-X-5K-5R

### LUMINANCE DATA (cd/sq.m)

ANGLE IN DEGREES	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	33189	34371	30033
55	97444	53401	47123
65	128719	104809	8197
75	41158	28409	1852
85	8798	2985	1414

### ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-30	765.65
0-40	1585.54
0-60	5239.6
0-90	8747.08



REPORT NUMBER: KXL-36L-X-5K-N

### LUMINANCE DATA (cd/sq.m)

ANGLE IN DEGREES	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	55516	55516	55516
55	3485	3485	3485
65	1620	1620	1620
75	1799	1799	1799
85	1728	1728	1728

### ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-30	4255.62
0-40	6587.47
0-60	8904.83
0-90	9004.24

