

KEMLUX III SERIES

HAZARDOUS LOCATION FLOOD

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

FEATURES

- Class I, Division 2; Groups A, B, C and D with a T-Code of 5
- Custom engineered LED optics providing optimally controlled and evenly distributed light
- Three LED count options: 18, 24, 36
- Three distinct distributions: Type V Square, Type V Rectangle, Narrow
- Yoke mount for CID2 floodlighting applications
- Copper-free (<0.4%) aluminum housing and cover with tan Lektrocote® powder polyester paint finish provides excellent corrosion resistance from most chemicals



SPECIFICATIONS

APPLICATIONS

- Designed to efficiently light corrosive and hazardous 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
- Yoke mount for CID2 floodlighting applications
- Specialized thermal management allows up to 40°C ambient temperature ratings
- Copper-free (<0.4%) aluminum housing and cover with tan 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 6 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

LISTINGS

- Listed to UL 844 for use in hazardous locations
- CSA Listed to UL 1598 Wet Location
- Class I, Division 2, Groups A, B, C & D; T-code of 5

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	4,323–9,004
Wattage Range	43-86
Efficacy Range (LPW)	99-105
Reported Life (Hours)	L70 @ 60,000

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ORDERING GUIDE

Example: KHL-36L-U-5K-N-C-2-TN-WG

CATALOG #

KHL			5K		Y	2	TN	
Series	Number of LEDs	Voltage	Color Temperature	Optics	Mount	Hub	Color	Options
KHL Kemlux III LED	18L 18 High Performance LEDs (43 watts) 24L 24 High Performance LEDs (57 watts) 36L 36 High Performance LEDs (86 watts)	U 120 - 277 1 120 2 208 3 240 4 277 5 480 F 347	5K 5000K (68 CRI)	5M Type V Square 5R Type V Rectangle N Narrow	Y Yoke Mount	2 ¾"	TN Tan	F(x) Fusing ¹ WG Wire Guard

Notes:

1 Fusing (x=1 for 120V, 2 for 208V, 3 for 240V, 4 for 277V, 6 for 347V)

LED SYSTEM INFORMATION

NUMBER OF LED's	DRIVE CURRENT (MILLIAMPS)	INPUT WATTS	DISTRIBUTION	TOTAL LUMENS	LUMENS PER WATT	HID EQUIVALENT
18	STD. (700 MA)	43	N	4410	103	100W HID
			5M	4323	101	
			5R	4405	102	
24		57	N	5988	105	175W HID
			5M	5712	100	
			5R	5896	103	
36		86	N	9004	105	250W HID
			5M	8473	99	
			5R	8747	102	

¹Lumen 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.

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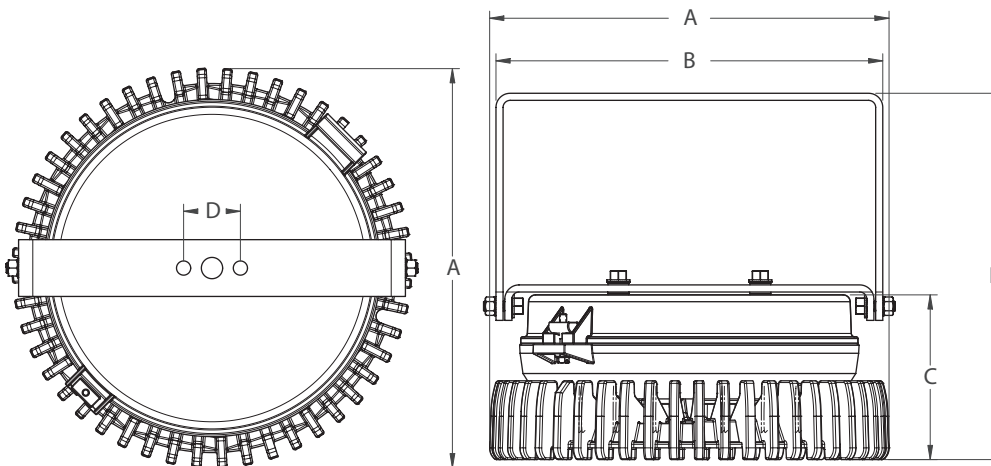
CATALOG #: _____

ELECTRICAL DATA

NUMBER OF LED's	NUMBER OF DRIVERS	DRIVE CURRENT (MILLIAMPS)	INPUT VOLTAGE (V)	SYSTEM POWER (W)	CURRENT (AMPS)	T-CODE
18	1	STD. (700 MA)	120	43	0.36	T5
			277	45	0.20	
			347	43	0.13	
			480	43	0.11	
24	2		120	57	0.48	T5
			277	59	0.24	
			347	56	0.17	
			480	57	0.13	
36	3		120	86	0.73	T5
			277	89	0.35	
			347	84	0.25	
			480	85	0.20	

DIMENSIONS

A	14"
B	13.625"
C	6"
D	2"
C	13"



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PHOTOMETRY

KXL-36L-X-5K-5M

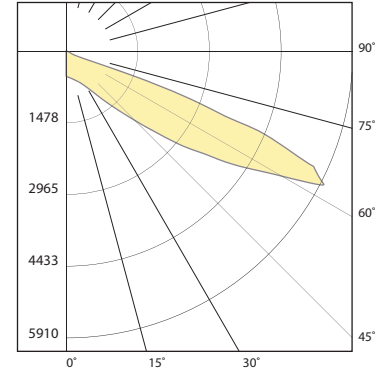
LUMINAIRE DATA

Test No.	7093
Description	5000K, 68 CRI
Delivered Lumens	8470
Watts	85.3W
Efficacy	99
Mounting	Pendant
Spacing Criterion	0° = 3.75 90° = 3.75

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	557	6.6
0-40	1307	15.4
0-60	5683	67.1
0-90	8470	100.0
0-180	8470	100.0

POLAR GRAPH



KXL-36L-X-5K-5R

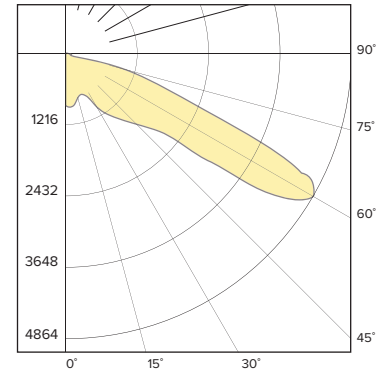
LUMINAIRE DATA

Test No.	7096
Description	5000K, 68 CRI
Delivered Lumens	8746
Watts	85.3W
Efficacy	103
Mounting	Pendant
Spacing Criterion	0° = 3.89 90° = 2.37

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	765	8.7
0-40	1584	18.1
0-60	5235	59.9
0-90	8746	100.0
0-180	8746	100.0

POLAR GRAPH



KXL-36L-X-5K-N

LUMINAIRE DATA

Test No.	7099
Description	5000K, 68 CRI
Delivered Lumens	9019
Watts	85.4W
Efficacy	106
Mounting	Pendant
Spacing Criterion	0° = 0.98 90° = 0.98

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	4262	47.3
0-40	6596	73.1
0-60	8920	98.9
0-90	9019	100.0
0-180	9019	100.0

POLAR GRAPH

