

MK2 Tube Series:

4 foot, T8 LED Lamp Specifications & LM79 Test Results

WITH DIFFUSING LENS

32 LEDS • LUMINAIRE OUTPUT = 1590 LMS • OPERATING AT 120 VAC AND 21.8 WATTS

FEATURES AND SPECIFICATIONS

The ilumisys MK2 is specifically designed for direct connections to building AC power. MK2 allows for the removal of existing ballast systems and is a cost-effective LED lighting solution for new construction projects.

Patent Numbers 7,049,761 and 7,510,299 and other U.S. and foreign patents pending.

TEST CONDITIONS

Sphere Type: 4π

Ambient Temperature: 25.0° Celsius

ELECTRICAL MEASUREMENTS

Input Voltage: 120.0 Volts AC

Input Current: 0.308 AMPS

Input Power: 21.8 Watts

Off State Power: 0.0 Watts

LIGHT OUTPUT

Total Lumens: 1590 Lumens

Efficacy: 72.9 Lumens/Watt

SPECTRAL MEASUREMENTS

X = 0.3651

CRI = 77.9

Y = 0.3542

CCT = 4294 K



ORDERING INFORMATION

For additional information about our products, please contact:

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Please visit www.ilumisys.com for your nearest ilumisys reseller.

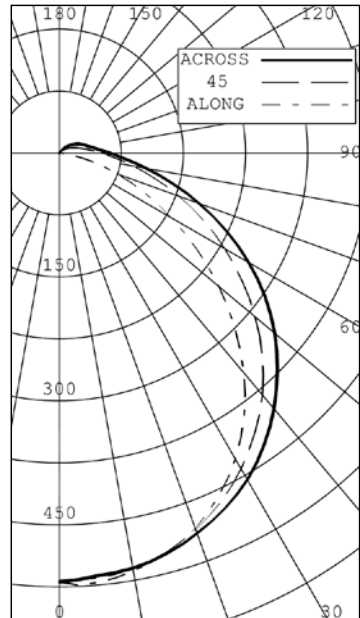
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(continued)

INTENSITY (CANDLEPOWER) SUMMARY						
ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	519	519	519	519	519	
5	522	517	517	518	514	50
15	501	498	500	503	502	141
25	457	458	464	473	474	214
35	389	395	412	428	431	257
45	300	314	347	368	373	263
55	203	224	270	298	303	233
65	113	141	192	218	223	178
75	43	75	120	139	141	113
85	3	32	68	79	80	62
90	0	20	51	61	61	
95	0	13	39	48	49	35
105	0	5	24	33	35	21
115	0	1	14	24	26	13
125	0	0	8	15	17	7
135	0	0	2	8	10	3
145	0	0	0	1	2	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	0



ZONAL LUMENS & PERCENTAGES		
ZONE	LUMENS	% LUMINAIRE
0-30	405	25.47
0-40	662	41.62
0-60	1158	72.81
0-90	1511	95.01
40-90	849	53.39
60-90	353	22.20
90-180	79	4.99
0-180	1590	100.00

EFFICACY (LUMENS PER WATT): 72.9
***THIS IS AN ABSOLUTE TEST**

INTENSITY (CANDLEPOWER) DATA							
ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	519	519	519	519	519	519	
5	522	517	517	518	514	517	50
10	514	510	511	512	510	511	
15	501	498	500	503	502	501	141
20	482	481	484	489	489	485	
25	457	458	464	473	474	465	214
30	426	429	440	453	456	441	
35	389	395	412	428	431	411	257
40	347	356	382	400	404	378	
45	300	314	347	368	373	341	263
50	252	270	309	334	340	302	
55	203	224	270	298	303	261	233
60	156	181	230	258	264	220	
65	113	141	192	218	223	180	178
70	76	105	155	177	181	141	
75	43	75	120	139	141	106	113
80	18	50	91	105	107	77	
85	3	32	68	79	80	55	62
90	0	20	51	61	61	41	
95	0	13	39	48	49	31	35
100	0	8	30	40	40	24	
105	0	5	24	33	35	20	21
110	0	3	19	29	30	16	
115	0	1	14	24	26	13	13
120	0	1	11	19	22	10	
125	0	0	8	15	17	8	7
130	0	0	4	11	13	5	
135	0	0	2	8	10	4	3
140	0	0	0	2	6	1	
145	0	0	0	1	2	0	0
150	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0

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