

Kaiser

Energy Saving Round Garage Luminaire LED

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

SPECIFICATIONS

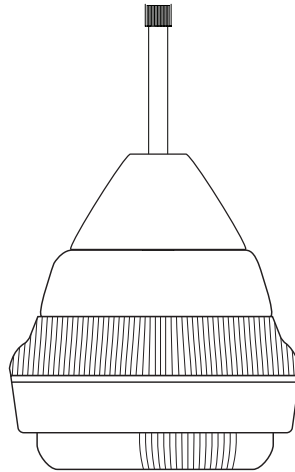
- HOUSING — Cast Aluminum. Finished in White Oven Baked Polyester Powder Coat.
- DIFFUSER — 15" Diameter with Clear Dome Lens, Approximately 85% Light to Driving Area and 15% Uplight. IES Type V is Standard.
- GASKETING — High Temperature, Non-aging Gray Silicone Gasket Under Diffuser.
- DRIVER — Universal Voltage (120–277V) supplied as Standard. 347 Volt optional. Dimming drivers available.
- MOUNTING — Direct Mount: Housing is Supplied with (3) 5/16" Holes for 1/4" screws.
- LENS FASTENERS — Stainless Steel Tamper Proof Screw or Standard 8-32 to Secure Assembly.
- PHOTOMETRICS — Type Five IES Distributions. (See Distribution for Options).
- COMPLIANCE — Built to comply with U.S. and Canadian Safety Standards. Suitable for Wet Locations. IP65 Tested and Approved.



OPTIONS



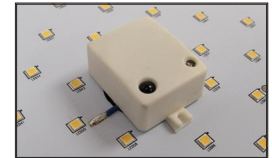
Optional Rapid Mount Box (RMB)



Optional Bird Deterrent (BDC)
for use with Pendant Mount

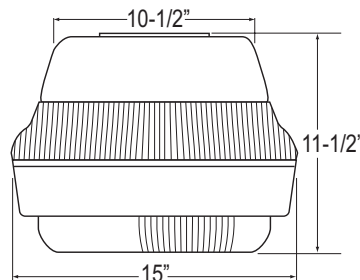


MSE; MSE2
Specify Finish: White (WH)
or Bronze (BZ)



MSI; MSI2

DIMENSIONS



Kaiser

Energy Saving Round Garage Luminaire LED

ORDERING GUIDE: Series Lamp/Wattage Color Voltage Finish Options

SERIES

KA = Kaiser Series

LED WATTAGE

LED60 = 60 Watt LED
LED75 = 75 Watt LED

LED COLOR TEMPERATURE

3K = ±3000K range
4K = ±4000K range
5K = ±5000K range

VOLTAGE

347 = 347 Volts
EBU = Universal Volt (120-277v) Electronic Driver

FINISH

WH = White Finish Only

OPTIONS

BDC = Bird Deterrent Cover for Pendant Mount
FB = Frosted Bottom Diffuser
FUS = Single Fusing
HSS = House Side Shield
PC = Prismatic Polycarbonate Diffuser (Type V)
PEND = Pendant Mounting Kit, 1/2" conduit entrance hole. Specify Stem Length (12" Standard)
STC = Static Canopy
SWC = Swivel Canopy
RMB = Rapid Mount Galvanized "J" Box
RMB-XL = Extra Large Rapid Mount Galvanized "J" Box (included with 75 Watt LED)

LED OPTIONS

BL1 = Bi-Level Light (High/Low)
— Single AC Input Feed
— Switch Sensor (Required)
BL2 = Bi-Level Light (High/Low)
— Wired for Dual AC Input Feeds
D7 = 0-10V low-voltage dimming; 100-30% Standard, Consult Factory for Other
D13 = LED Step Dimming
SG = 10KA Surge Protection for LED fixtures (meets ANSI spec C62.41.2)

SENSOR OPTIONS

MSE = Motion Sensor External; Single circuit, all on, all off
Specify Finish: White (WH)/Bronze (BZ)
MSE2 = Motion Sensor External; Dual circuit, half on half off
Specify Finish: White (WH)/Bronze (BZ)
MSI1 = Motion Sensor Integral[Ⓜ] (Microwave)
— Single Circuit: OFF / ALL-ON
MSI2 = Motion Sensor Integral[Ⓜ] (Microwave)
— Single Circuit: HALF-ON / ALL-ON
MSI3 = Motion Sensor Integral[Ⓜ] (Microwave)
(Single Circuit Multi-Level Daylight with Motion Sense -ALL-ON with Motion Sense, specified HOLD TIME, DIMS to Low Light Level, specified STAND-BY PERIOD, ALL-OFF. Specified Ambient Foot-Candle Control.)

EMERGENCY OPTIONS[Ⓜ][Ⓟ]

No onsite Emergency Power (AC or DC) is provided
Specify Fixture Voltage: 120V or 277V Power Feed
A=120V or B=277V

LED Emergency Battery Factory Recommended

EL60 = LED 7 Watt (Integral)
EL82 = LED 4 Watt (Integral)
EL85 = LED 20 Watt (Integral)
EL88 = LED 16 Watt (Integral)

Premium (Bodine/Iota)

EL63 = LED 23 Watt (Integral)
EL67 = LED 23 Watt Cold Weather (Integral)

NOTES:

- ① Consult Factory with requests re: lamp sources, including LED, color temp., wattages or voltages not shown.
- ② Consult Factory for additional Emergency Battery options not shown.
- ③ Max mounting height of fixture is 10 feet
- ④ Due to form and fit, final selection of the Battery Pack under discretion of Factory

PHOTOMETRIC DATA

Test # 102063649CHI-014

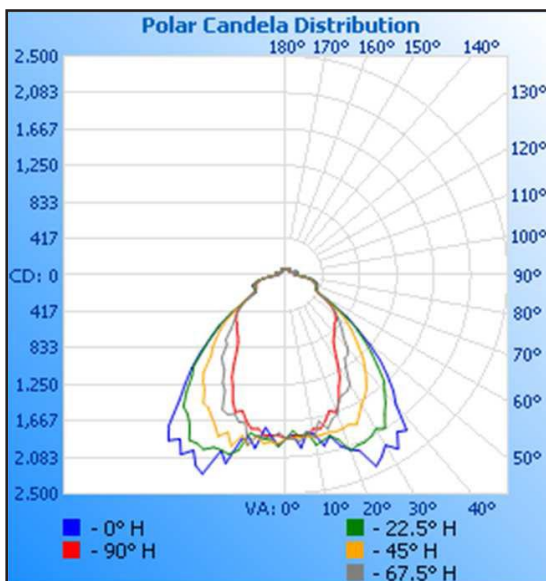
KA-LED75-EBU-WH-CLR

Test Date: 09/25/2015 — Tested in accordance with LM-79-80 (The results contained in this summary report pertain only to the tested sample)

Summary of Results	
Total Lumen Output	5573
Efficacy (Lm/W)	75.65

Electrical Test Conditions				
Temp	Voltage	Current	Power	Power Factor
25°C (±1°C)	120.1	616.5	73.67	0.995

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
0-30	1571	28.2
0-40	2563	46.0
0-60	4087	73.3
60-90	942.5	16.9
0-90	5030	90.3
90-180	543.2	9.7
0-180	5573	100.0



Cone of Light Tabulation			
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)	
2.0	467.1	4.6	2.6
4.0	116.8	9.3	5.2
6.0	51.9	13.9	7.8
8.0	29.2	18.5	10.3
10.0	18.7	23.2	12.9

PHOTOMETRIC DATA:

Tested Using the IES LM79 Standards

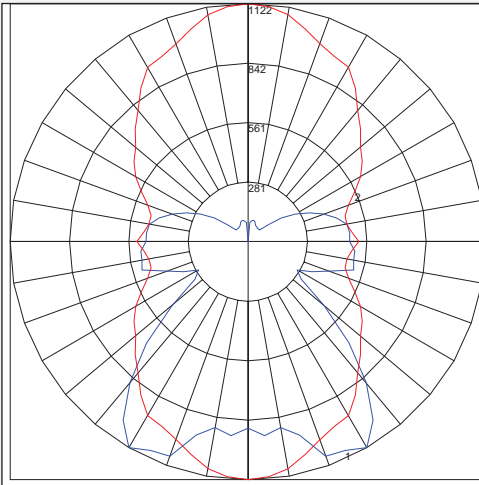
KAISER LED Series

test # L111400901

KA-LED60-5K-(2)EBU-WH

15.5" dia. x 11" high luminaire with clear and prismatic lens

Date: 11/12/2014



Maximum Candela = 1122 Located At Horizontal Angle = 90, Vertical Angle = 30
 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

POWER FACTOR	0.99
LUMENS (Light Output)	4571.20
WATTS (at Test)	56.30
EFFICACY (Lumens per Watt)	81
CRI (Color Rendering Index)	84
CCT (Correlated Color Temp.)	5172K

Coefficients of Utilization									
Room Cavity Ratio	PCC>	80%			70%			50%	
	PW>	70%	50%	30%	70%	50%	30%	50%	30%
0	110	110	110	110	104	104	104	91	91
1	96	90	84	90	84	79	73	69	
2	87	77	69	80	72	65	63	57	
3	79	67	59	73	63	55	55	48	
4	72	60	51	67	56	48	49	42	
5	66	53	44	62	50	42	44	37	
6	61	48	39	57	45	37	40	33	
7	57	44	35	53	41	33	36	30	
8	53	40	32	50	38	30	33	27	
9	50	37	29	46	35	27	31	25	
10	47	34	26	44	32	25	29	23	

Rm. Percentage = 20%, PCC = Ceiling Reflectance;
 PW = Wall Reflectance

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
0-30	734.28	16.10
0-40	1135.99	24.90
0-60	1672.25	36.60
0-90	2915.55	63.80
40-70	826.36	18.10
60-80	715.91	15.70
90-180	1655.65	36.20
0-180	4571.2	100.00

test # 101137302CRT-002

model # KA-LED60-5K-(2)EBU-WH

KAISER: Parking Garage Low Bay

date: 04/26/2013

POWER FACTOR	0.992 @ 120VAC	
	0.872 @ 277VAC	
CRI-Ra (Color Rendering Index)	70.3	
CCT (Correlated Color Temp.)	4709 K	
	Sphere	Goniometer
LUMENS (Light Output)	4061	4064
WATTS (At Test)	56.79	56.70
EFFICACY (Lumens per Watt)	71.51	71.67

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
0-30	650.1	16.0
0-40	999.6	24.6
0-60	1528	37.6
60-90	1172	28.8
0-90	2701	66.5
90-180	1363	33.5
0-180	4064	100.0

