

# Maximus LED



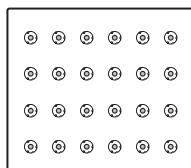
**Direct/Indirect Luminaire** – Wall or Ceiling Mount  
new LED technology

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

Catalog Number	
Project/Location	Type
Approved By	

## SPECIFICATIONS

- **FINISH** — Polyester powder coat applied over a zinc chromate wash primer for durability and weather resistance. Standard gray or white finish, optional custom colors.
- **GASKETING** — High temperature closed cell silicone 1/8" thick, seals diffuser to door and door to housing to protect against outside contaminants, and provide weather-proof enclosure.
- **HOUSING** — Heavy duty one-piece 0.063" thick aluminum, die-formed and seam welded sealed construction to protect against dust, moisture, and contaminants. Aluminum partition separates optical end electrical components for longer component life and cooler operation. End panels provide adjustable positioning with 3/4" threaded conduit fittings at either end.
- **LAMP** — Super-Bright White LED: 60 Watt -- 120 Initial Lumens per Watt -- As Req'd -- BY OTHERS
- **LENS** — .156 K12 Prismatic Polycarbonate is Standard.
- **LENS DOOR** — Heavy duty one-piece die formed 0.063" thick aluminum with recessed lens seating flange. (2) aluminum slide pin hinges and (2) stainless steel cam latches allow for no-tools opening or removal of door frame for convenient maintenance or field replacement.
- **LUMENS** — Initial lumen values of super-bright LEDs degrade over time based on several factors including, and not limited to, ambient temperatures of the board they are inserted into, the effects of heat sinking, the ambient conditions of the fixtures and the environment the fixture is used in.
- **MOUNTING BRACKET** — (2) heavy duty .125" thick aluminum end brackets. For surface mount direct or indirect applications. (2) 7/16" dia. mounting holes in each bracket. Fully adjustable for 180° fixture rotation. (4) stainless steel bolts per bracket provide positive locked aiming angle of luminaire.
- **POWER FACTOR** — Electronic Driver
- **ETL** — ETL Listed to U.S. and Canadian safety standards - Suitable for wet locations



LED

Lamp Size/Type	MX
Dimensions - W x H x D	12" x 18" x 4"
LED	60w

## Catalog Number Ordering Guide

**Example:** **MX** **LED60** **120** **CW** **WH** **81**

**SERIES** — MX = Maximus Series

**LAMP TYPE/QUANTITY/WATTAGE** — LED60 = 60 Watt Super-Bright White LED Class II

**PRIMARY VOLTAGE** — 120 = 120 Volts  
277 = 277 Volts

**COLOR TEMP (Kelvin)** — CW = Warm White (+/- 2700K)  
CW = Cool White (+/- 4700K-5100K)  
VC = Very Cool (+/- 6500K)

**FINISH** — BK = Black Finish  
BZ = Bronze Finish  
CC = Custom Color Finish  
SGR = Silver Gray Finish  
WH = White Finish

**OPTIONS** — 78 = .125" Clear Tempered Glass  
79 = .125" PS21 Prismatic Acrylic  
80 = .125" K12 Prismatic Polycarbonate  
81 = .156" K12 Prismatic Polycarbonate  
85 = .156" Clear Tempered Glass  
86 = .250" Clear Polycarbonate  
93 = .156" C73 Prismatic Tempered Glass  
DS = Drop Square .125" Prismatic Polycarbonate

**EL-LED** = Emergency Battery for LED (Consult Factory)

**FUS** = Single Fuse  
**DFUS** = Double Fuse  
**LED-DIM** = Dimming Driver (Consult Factory)  
**RGB-CC** = Color Changing Lamp Custom Color Blue/Red (Consult Factory for single color)



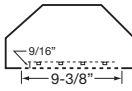
# PHOTOMETRIC DATA:

# MAXIMUS SERIES LED

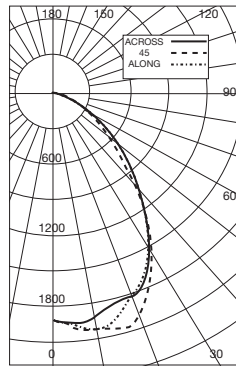
LSI test # 23935 MX-LED-(2)24W-120  
prismatic clear flat plastic lens

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1549	40.88	40.89
0-45	2359	62.28	62.28
0-60	3399	89.73	89
0-90	3788	100.00	73
40-90	1429	37.72	100.00
60-90	389	10.27	37.72
90-180	0	0.00	0.00
0-180	3788	100.00	100.00



### Candela Summary: CP Curve and Table



Angle	CP
0.0	1801
2.5	1814
5.0	1822
7.5	1827
10.0	1829
12.5	1828
15.0	1824
17.5	1815
20.0	1801
22.5	1782
25.0	1758
27.5	1729
30.0	1695
32.5	1656
35.0	1612
37.5	1564
40.0	1511
42.5	1454
45.0	1392
47.5	1325
50.0	1253
52.5	1176
55.0	1094
57.5	1007
60.0	915
62.5	818
65.0	716
67.5	609
70.0	500
72.5	390
75.0	296
77.5	209
80.0	131
82.5	64
85.0	17
87.5	5
90.0	1

### Coefficients of Utilization

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

Room Cavity Ratio	PCC>	90%				70%				50%			
		70%		30%		70%		30%		70%		30%	
		70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	122	122	122	116	116	116	111	111	111	111	111	111	
1	114	110	107	109	106	103	102	99	102	99	99	99	
2	107	100	95	102	96	92	93	89	93	89	89	89	
3	99	91	84	95	88	82	85	80	85	80	80	80	
4	93	83	76	89	81	75	78	73	78	73	73	73	
5	87	76	68	83	74	67	72	66	72	66	66	66	
6	81	69	62	78	68	61	66	60	66	60	60	60	
7	75	63	56	73	62	55	60	54	60	54	54	54	
8	71	58	51	68	57	50	56	49	56	49	49	49	
9	66	54	46	63	52	46	51	46	51	46	46	46	
10	62	49	42	59	48	42	47	41	47	41	41	41	

Efficacy: 60.1%



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