

100 WATT EXPLOSION PROOF LED FIXTURES



JAYKAL

PROJECT NAME:

JAYKAL LED SOLUTIONS, INC.

www.jaykal.net

PROJECT NOTES:

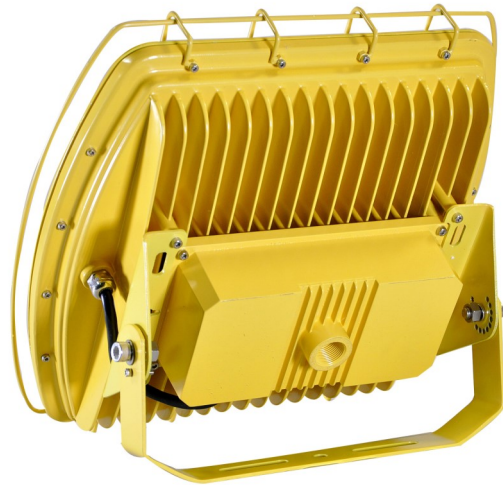
26832 Lewes Georgetown Hwy,
Building 2, Unit E
Harbeson, DE 19951
(P) 302-295-0015
(F) 302-295-0016

DESCRIPTION:

Jaykal's patented Explosion Proof LED Fixtures are engineered to meet your most demanding lighting needs in hazardous locations. Constructed from high pressure die-cast aluminum alloy and tempered glass, these unique C1D2 (Class 1 Division 2) explosion proof rated fixtures will deliver years of optimum illumination in the harshest of conditions.

FEATURES & BENEFITS:

- ◆ Wattage Available: 100 Watt
- ◆ CCT: 3000K / 4000K / 5000K / 5700K
- ◆ LM-79, LM-80, ISTMT and TM-21 available
- ◆ Class 1 Division 2 Rating, Group A, B, C, D, E
- ◆ Near Zero maintenance
- ◆ Lights turn on instantly without any warm-up time
- ◆ Compatible with controls and sensors for add. energy savings
- ◆ Optional: Bi-Level Dimming
- ◆ Finish: Yellow
- ◆ Lens Finish Options: Clear, Frosted
- ◆ Lens Shape Options: Flat, Round
- ◆ Optional: Wire Mesh Safety Guard



BUY AMERICAN & ARRA
COMPUANT AVAILABLE



RoHS
Compliant



E480387

5 YEAR STANDARD WARRANTY—EXTENDED WARRANTIES AVAILABLE

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Specifications are typical values and may change without notification

efficiency. illuminated.

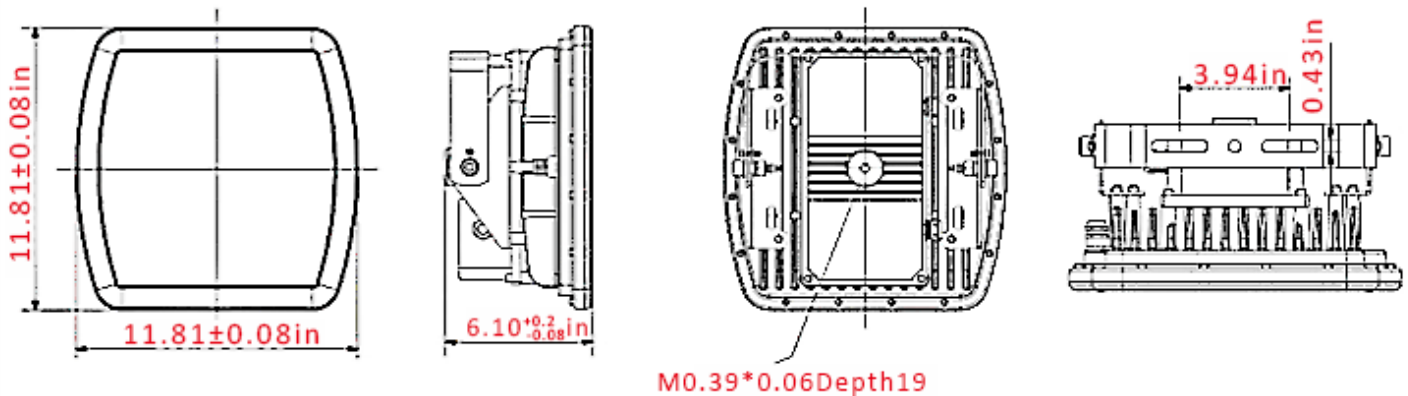
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SPECIFICATIONS TABLE

Watt	102.6W	Lumens	11148.5lm	Efficacy	108.66lm/W
Input Voltage	100-277VAC 50/60hz	Power Factor	0.99	CRI	~75.1
THD	< 10 %	CCT	3000K / 4000K / 5000K / 6000K		
Life (L70)	60,000 hours	Illumination Angle	120°	Operational Temperatures	-40°C — 50°C
Housing Finish	Yellow	Lens Finish	Clear/Frost	HazLoc Rating	C1D2
Housing Material	Die-cast Aluminum	Lens Material	Toughened Glass	Environment	Dry & Wet Locations
Weight	8.8 lbs. / 8 kg	Dimensions	11.81 X 11.81 X 6.1 in / 300 x 300 x 175 mm		
UL File No	E480387	Warranty	5 Years		



ORDERING GUIDE

MODEL NUMBER	FINISH	CCT	LENS FINISH	SAFETY COVER	NPT
JLS68103-G100-EXP-AL	Y = Yellow C = Custom	30K = 3000K 40K = 4000K 50K = 5000K 57K = 5700K	C = Clear F = Frosted/Diffused	W = Wire Mesh	NPT = 3-Port NPT

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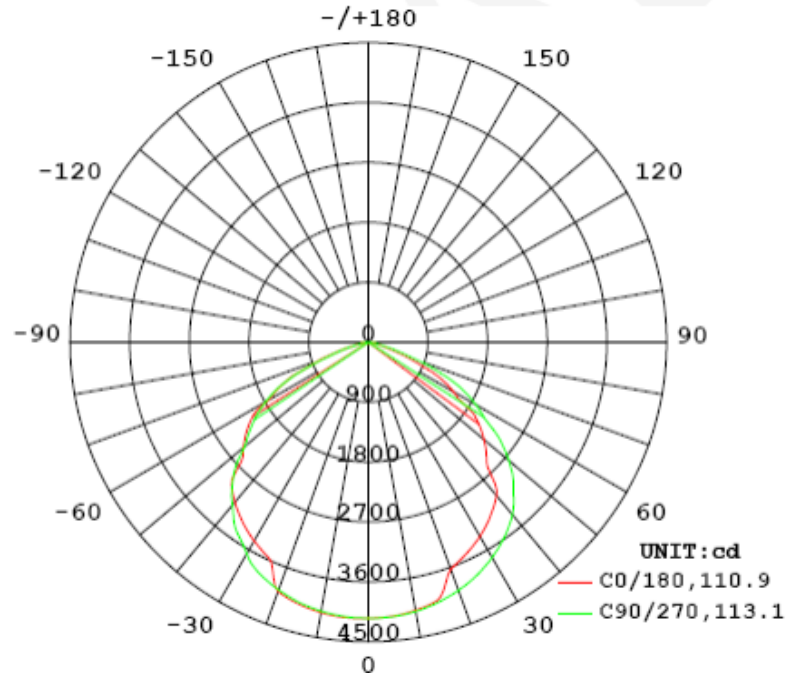
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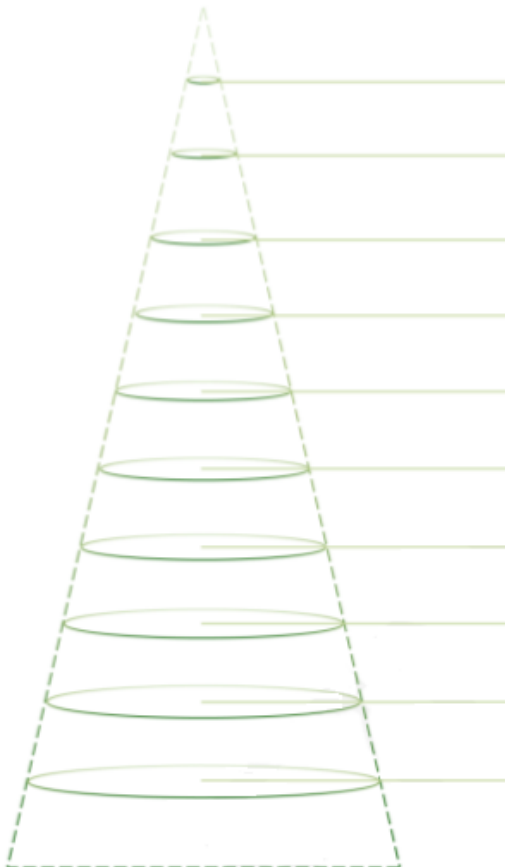
PHOTOMETRY

Luminous Intensity Distribution

	Beam Angle (50% I _{max}):	Field Angle (10% I _{max}):
C0/180	110.9	145.0
C45/225	112.6	147.7
C90/270	113.1	146.9
C135/315	112.4	147.8
AVG.	112.3	146.9



Angle: 112.3° . Flux out: 8968 lm.



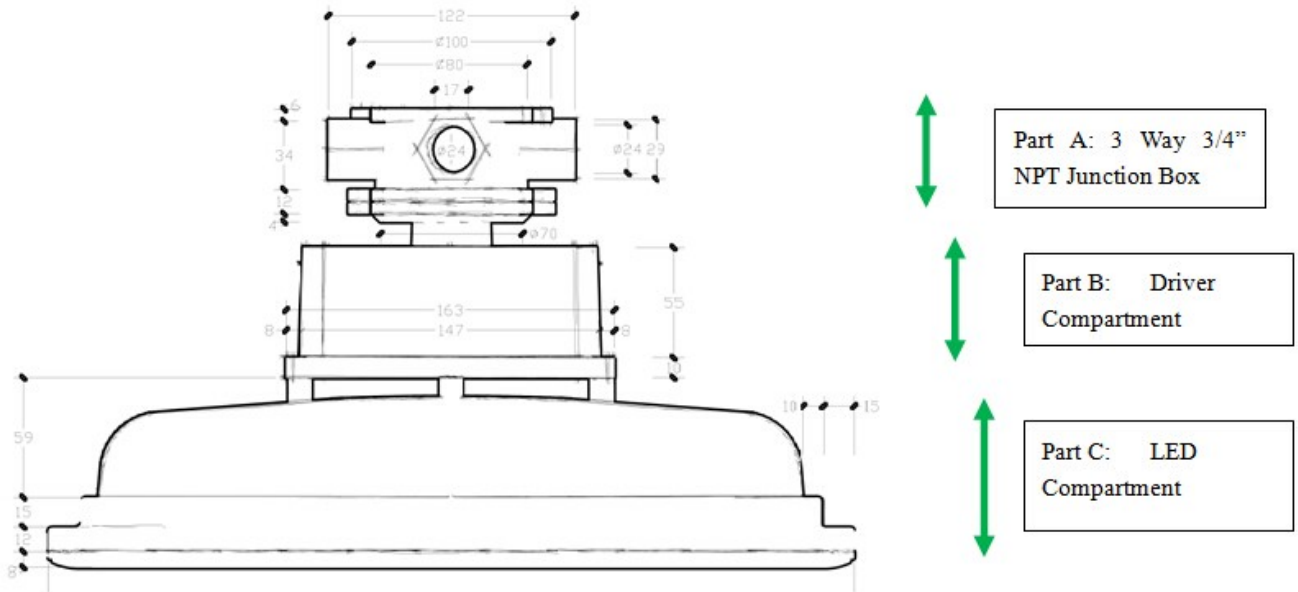
Height (m)	Diameter (cm)	E _{avg} (lx)	E _{max} (lx)
0.5	149.1	4816.0	16609.0
1.0	298.19	1204.0	4152.0
1.5	447.29	535.1	1845.0
2.0	596.39	301.0	1038.0
2.5	745.48	192.6	664.4
3.0	894.58	133.8	461.4
3.5	1043.68	98.3	339.0
4.0	1192.77	75.3	259.5
4.5	1341.87	59.5	205.1
5.0	1490.97	48.2	166.1

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Installation:



- Fixture is equipped with the U bracket
- Connection outlet conduit Size: 3/4" NPT
- Conduit and pole are not included in products.
- All installation must conduct by qualify electrician.

Note: U-Bracket Mounting option is not available for JLS68103-G40-EXP-AL



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