

# 40 WATT EXPLOSION PROOF LED FIXTURES



**JAYKAL**

PROJECT NAME:

**JAYKAL LED SOLUTIONS, INC.**

[www.jaykal.net](http://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 HAZLOC C1D2 (Class 1 Division 2) explosion proof rated fixtures will deliver years of optimum illumination in the harshest of conditions.

## FEATURES & BENEFITS:

- ◆ Wattage Available: 40 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.**



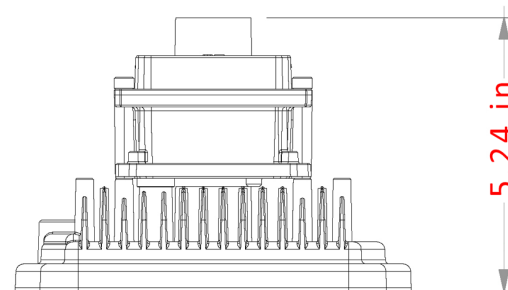
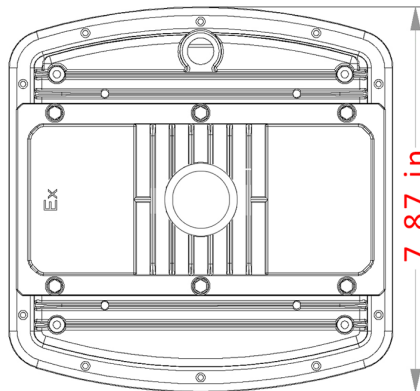
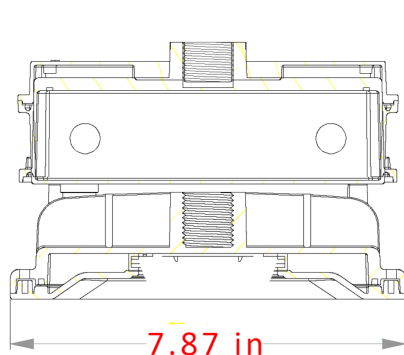
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**SPECIFICATIONS TABLE**

Watt	40.65W	Lumens	2721.9 lm	Efficacy	66.96 lm/W
Input Voltage	100-277VAC 50/60hz	Power Factor	0.99	CRI	~ 70.1
THD	< 10 %	CCT	3000K / 4000K / 5000K / 5700K		
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. / 4 kg	Dimensions	7.87 x 7.87 x 5.24 in / 200 X 200 X 133 mm		
UL File No	E480387	Warranty	5 Years		



## ORDERING GUIDE

MODEL NUMBER	FINISH	CCT	LENS FINISH	SAFETY COVER	NPT
JLS68103-G40-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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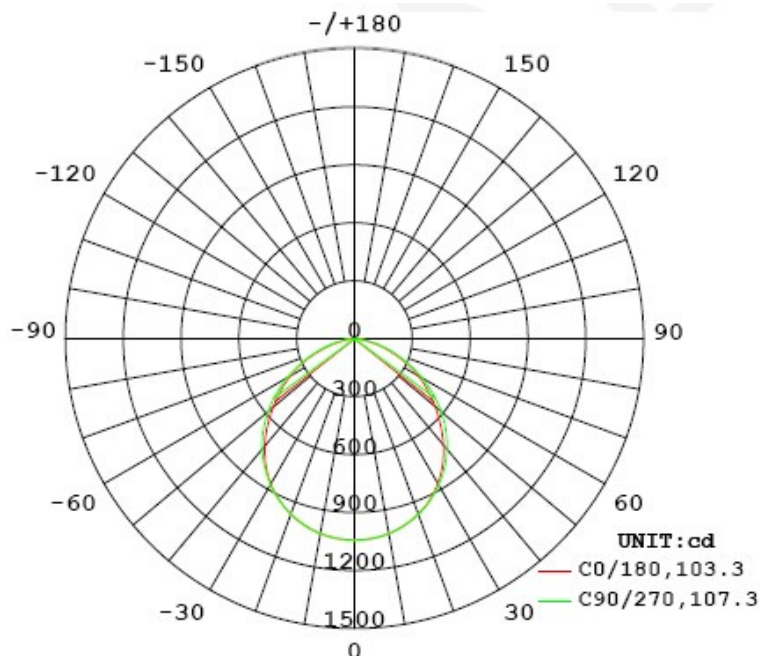
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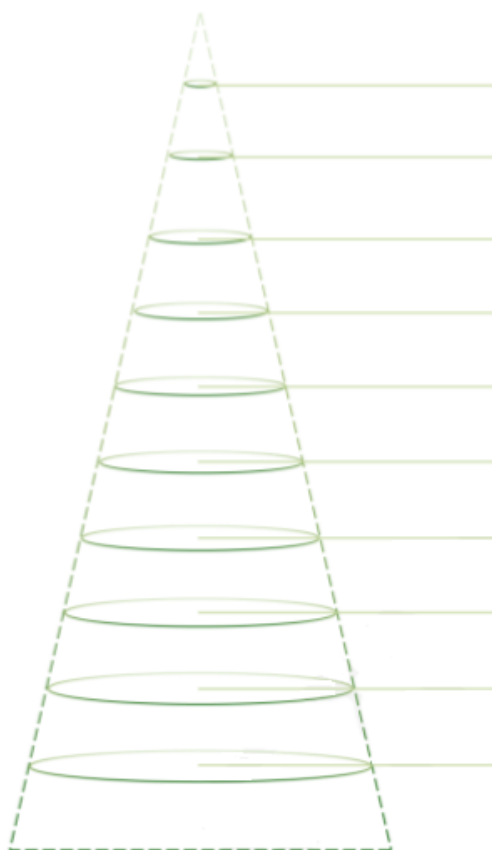
## PHOTOMETRY

### Luminous Intensity Distribution

	Beam Angle	Field Angle
<b>C0/180</b>	103.3	152.9
<b>C45/225</b>	106.6	153.8
<b>C90/270</b>	107.3	155.8
<b>C135/315</b>	106.5	153.5
<b>AVG.</b>	105.9	154.0



Angle: 105.9 ° . Flux out: 1958.0 lm.



Height (m)	Diameter (cm)	Eavg (lx)	Emax (lx)
0.5	132.46	1416.0	4173.0
1.0	264.93	353.9	1043.0
1.5	397.39	157.3	463.6
2.0	529.86	88.5	260.8
2.5	662.32	56.6	166.9
3.0	794.78	39.3	115.9
3.5	927.25	28.9	85.2
4.0	1059.71	22.1	65.2
4.5	1192.17	17.5	51.5
5.0	1324.64	14.2	41.7

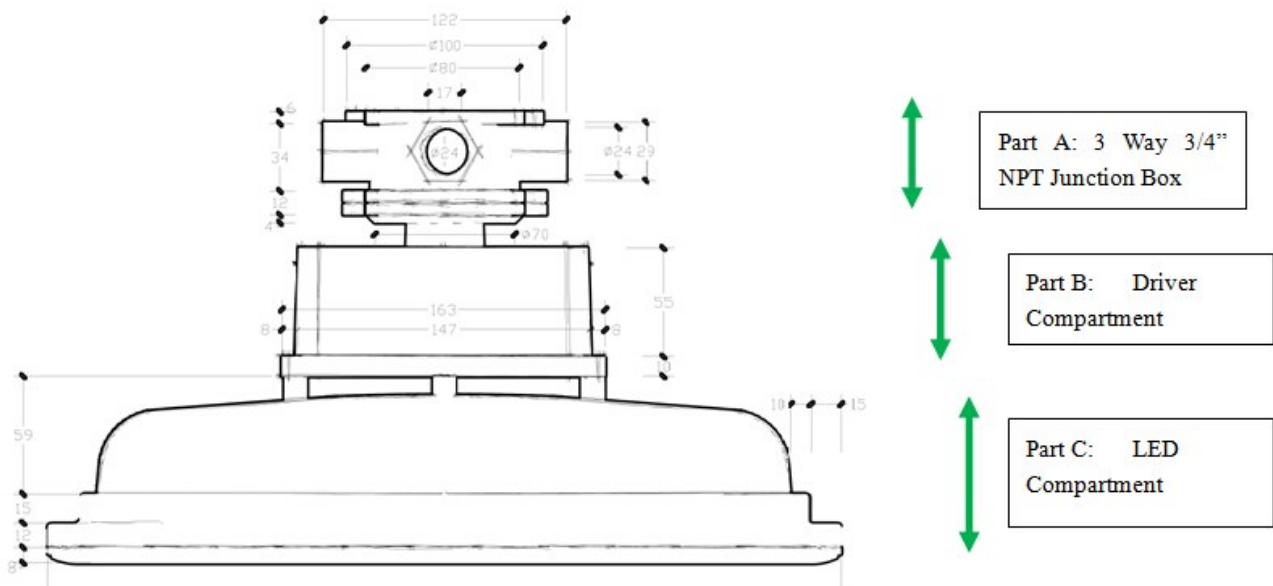


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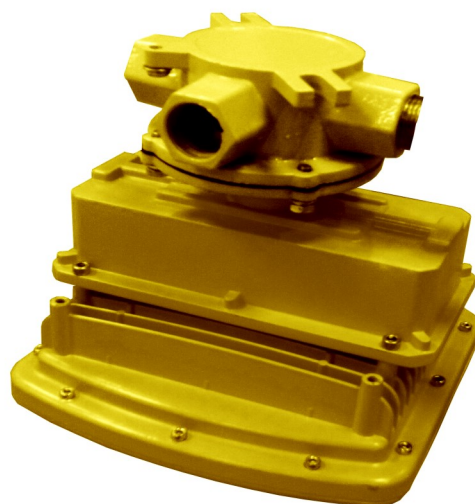
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Installation:



- 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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