

200 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 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: 200 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



E480387

5 YEAR STANDARD WARRANTY—EXTENDED WARRANTIES AVAILABLE

(P) 302-295-0015 | (E) sales@jaykal.net | (W) www.jaykal.net

Specifications are typical values and may change without notification

efficiency. illuminated.

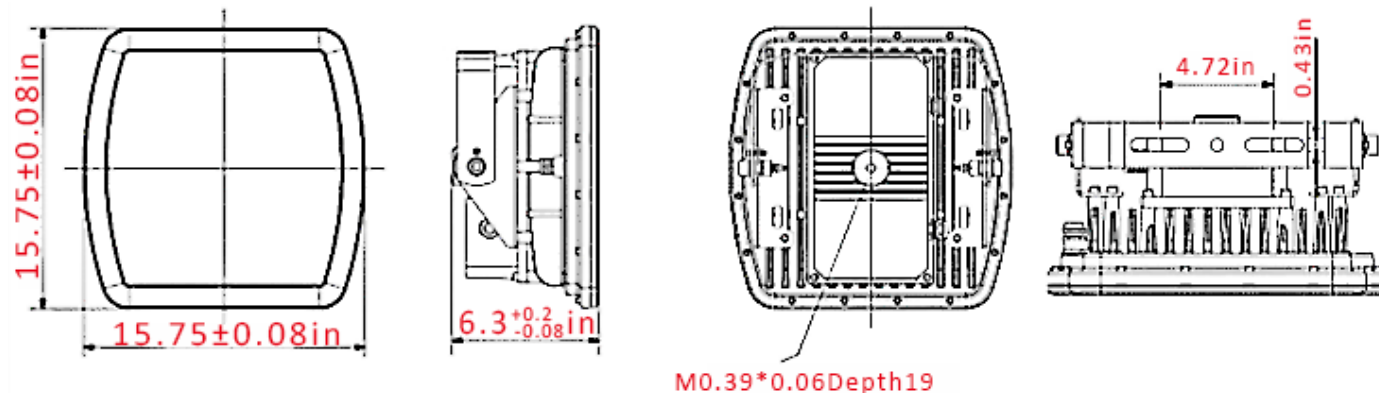
200 WATT EXPLOSION PROOF LED FIXTURES



JAYKAL

SPECIFICATIONS TABLE

Watt	186.5W	Lumens	17376.2 lm	Efficacy	93.17 lm/W
Input Voltage	100-277VAC 50/60hz	Power Factor	0.99	CRI	~70.7
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	25.3 lbs. / 11.5 kg	Dimensions	15.75 x 15.75 x 6.3 in / 400 x 400 x 185 mm		
UL File No	E480387	Warranty	5 Years		



ORDERING GUIDE

MODEL NUMBER	FINISH	CCT	LENS FINISH	SAFETY COVER	NPT
JLS68103-G200-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

(P) 302-295-0015 | (E) sales@jaykal.net | (W) www.jaykal.net

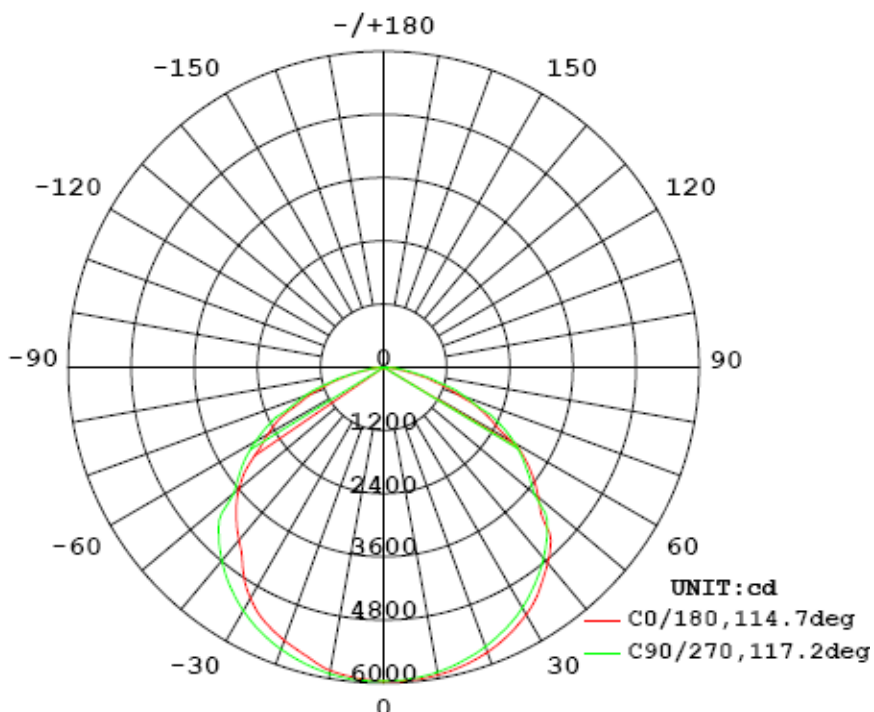
Specifications are typical values and may change without notification

efficiency. illuminated.

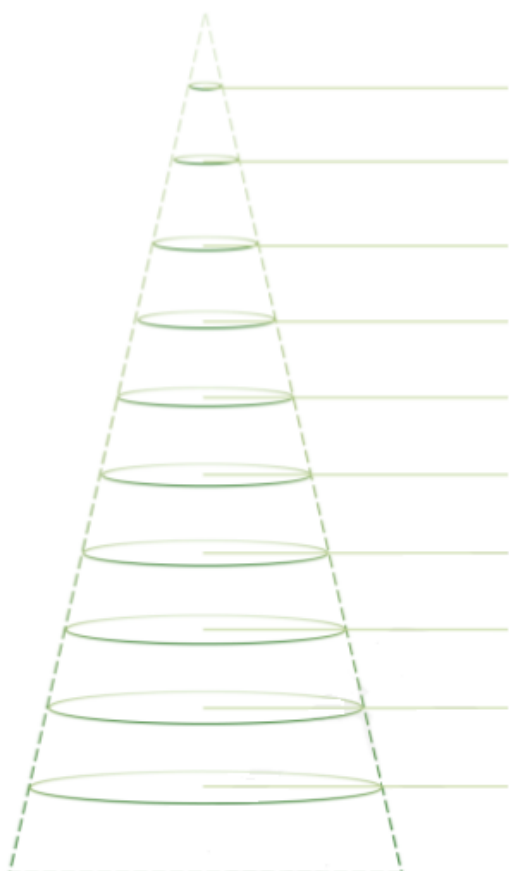
PHOTOMETRY

Luminous Intensity Distribution

	Beam Angle (50% I _{max}):	Field Angle (10% I _{max}):
C0/180	114.7	155.9
C45/225	115.8	156.4
C90/270	117.2	158.1
C135/315	116.1	156.3
AVG.	115.95	156.68



Angle: 116.0° . Flux out: 13574.0 lm.



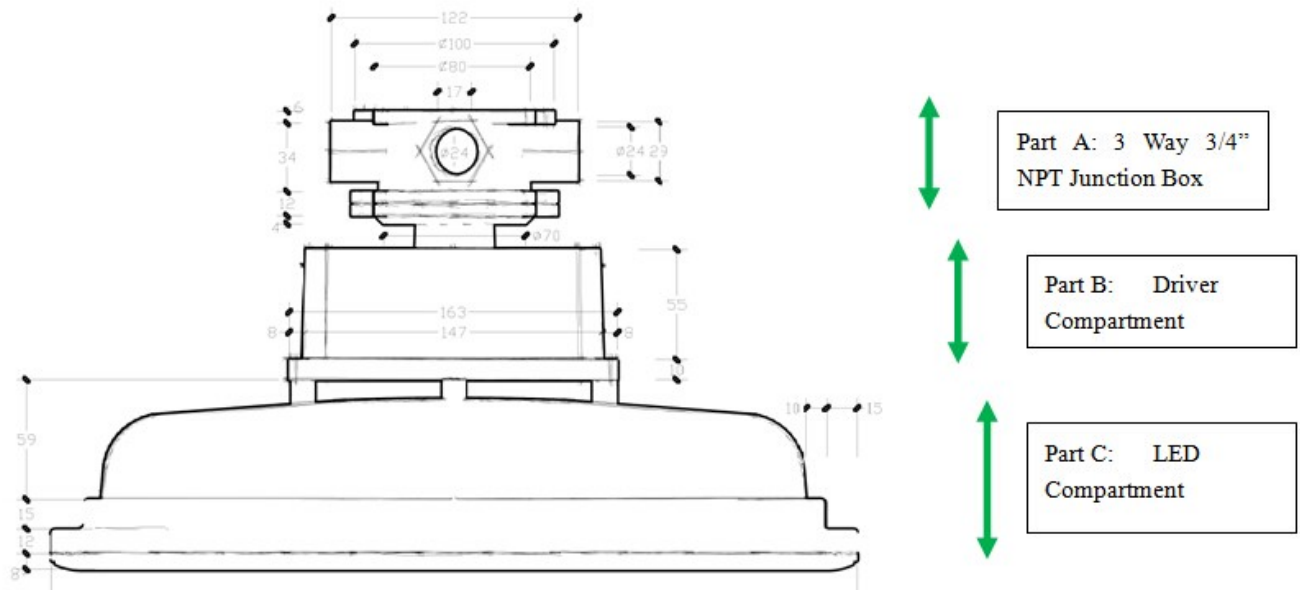
Height (m)	Diameter (cm)	E _{avg} (lx)	E _{max} (lx)
0.5	160.0	6748.0	23864.0
1.0	320.1	1687.0	5966.0
1.5	480.1	749.8	2652.0
2.0	640.1	421.8	1491.0
2.5	800.2	269.9	954.5
3.0	960.2	187.5	662.9
3.5	1120.2	137.7	487.0
4.0	1280.3	105.4	372.9
4.5	1440.3	83.3	294.6
5.0	1600.3	67.5	238.6

200 WATT EXPLOSION PROOF LED FIXTURES



JAYKAL

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



(P) 302-295-0015 | (E) sales@jaykal.net | (W) www.jaykal.net

Specifications are typical values and may change without notification

efficiency. illuminated.