

# 80W LED Flood Light / Surface Mount Canopy



**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 LED Flood Lights are engineered to meet your most demanding lighting needs. Constructed from high pressure die-cast aluminum alloy and tempered glass, these fixtures are tough. We recommend these for rugged environments requiring fixtures to withstand punishment that would quickly take a toll on conventional fixture construction.

## FEATURES & BENEFITS:

- ◆ Wattage Available: 20W/40W/80W/100W/120W/185W
- ◆ 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
- ◆ Compatible with controls and sensors for add. energy savings
- ◆ Optional: Bi-Level Dimming
- ◆ Finishes: White/Grey/Brown/Custom
- ◆ Anti-Explosive Finishes: Yellow
- ◆ Lens Finish Options: Clear, Frosted
- ◆ Lens Shape Options: Flat, Round
- ◆ Optional: Wire Mesh Safety Guard
- ◆ 5 Year Warranty



BUY AMERICAN & ARRA  
COMPUANT AVAILABLE



**RoHS**  
Compliant



E480387

5 YEAR STANDARD WARRANTY—EXTENDED WARRANTIES AVAILABLE

(P) 302-295-0015 | (E) [sales@jaykal.net](mailto:sales@jaykal.net) | (W) [www.jaykal.net](http://www.jaykal.net)

*Specifications are typical values and may change without notification*

**efficiency. illuminated.**

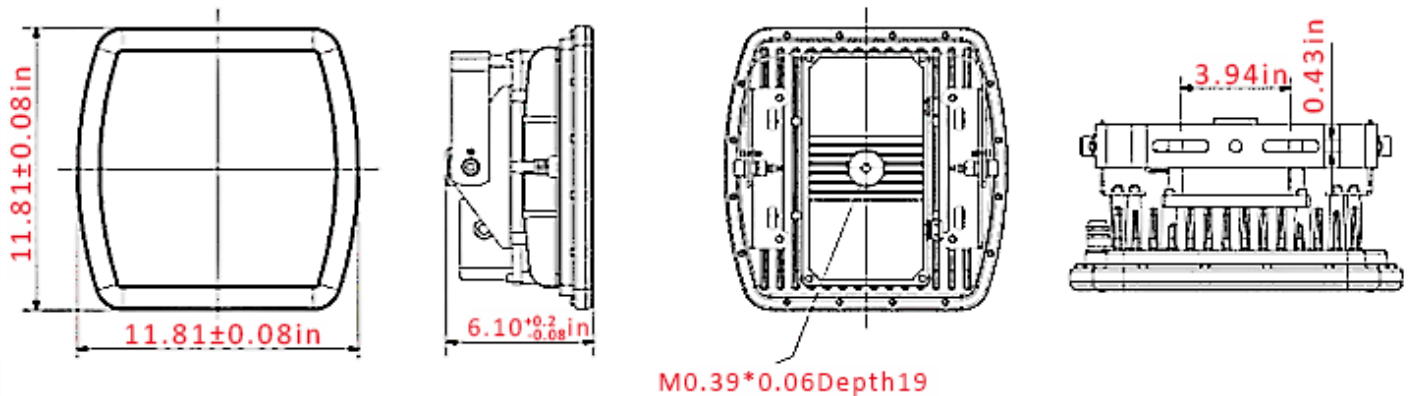
# 80W LED Flood Light / Surface Mount Canopy



**JAYKAL**

## SPECIFICATIONS TABLE

Watt	80W	Lumens	6,222 lm	Efficacy	78 lm/W
Input Voltage	100-277VAC 50/60hz	Power Factor	0.99	CRI	70
THD	< 14 %	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	17.6 lbs. / 8 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	LENS TYPE	SAFETY COVER	NPT
JLS-J80-NSC	<b>W</b> = White <b>G</b> = Grey <b>B</b> = Brown <b>C</b> = Custom	<b>30K</b> = 3000K <b>40K</b> = 4000K <b>50K</b> = 5000K <b>57K</b> = 5700K	<b>C</b> = Clear <b>F</b> = Frosted	<b>F</b> = Flat <b>R</b> = Refractor/ Round	<b>W</b> = Wire Mesh	<b>NPT</b> = 3-Port NPT

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

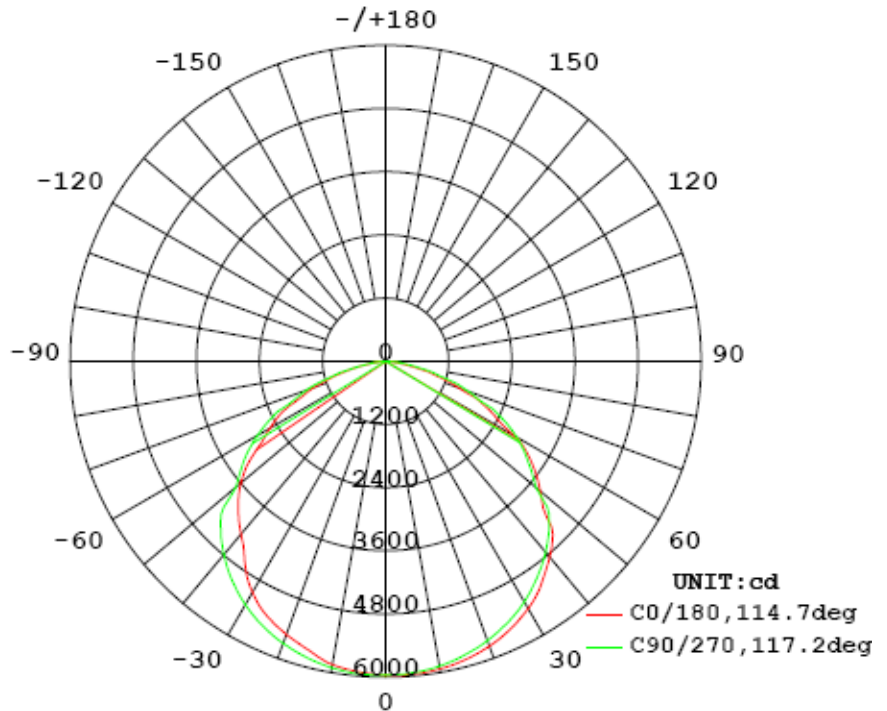
Specifications are typical values and may change without notification

efficiency. illuminated.

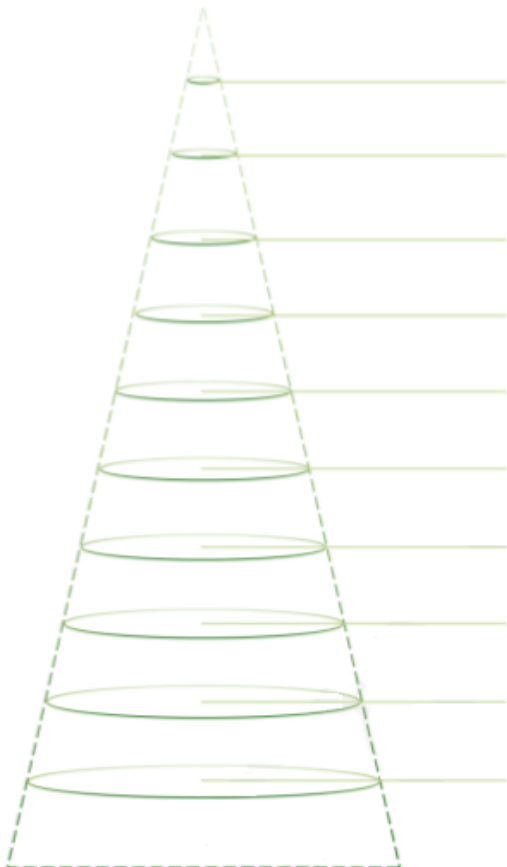
## PHOTOMETRY

### Luminous Intensity Distribution

	Beam Angle (50% I <sub>max</sub> ):	Field Angle (10% I <sub>max</sub> ):
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 <sub>avg</sub> (lx)	E <sub>max</sub> (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