

# 30W-200W G3 FLOOD LIGHT



**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

## FEATURES & BENEFITS:

- ◆ Cree Nichia LEDs Offer High Luminous Efficiency and Long Life.
- ◆ Lumen Package: 130lm/W
- ◆ High Efficiency LED Driver
- ◆ Available with 100-240VAC / 100-277VAC / 200-480VAC Input
- ◆ Cast Aluminum Construction Provides Superior Cooling
- ◆ Excellent Optical Design Optimizes Light Utilization and Distribution.
- ◆ 0-10V Dimming (Option)
- ◆ Photocell Control Available (Option)
- ◆ Beam Angles Available: 60° or 75x135°
- ◆ 180° Rotatable Bracket



## PRODUCT APPLICATIONS

JAYKAL LED Flood Lighting can be widely used in outdoor lighting locations. Ideal for wet locations requiring IP65 protection, they provide an excellent solution for applications such as architectural up lighting, sign illumination and landscape lighting.



**RoHS**  
Compliant



**BAA**  
Compliant  
Available

5 YEAR STANDARD WARRANTY—10 YEAR WARRANTY OPTION

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*Specifications are typical values and may change without notification*

**efficiency. illuminated.**

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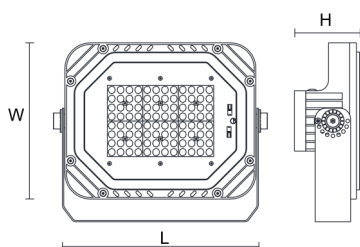


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| Model                       | G3FL-30                                      | G3FL-60  | G3FL-80  | G3FL-100  | G3FL-150  | G3FL-180  | G3FL-200  |
|-----------------------------|--|----------|----------|-----------|-----------|-----------|-----------|
| Wattage                     | 30W  | 60W      | 80W      | 100W      | 150W      | 180W      | 200W      |
| LED Qty. & Current          | 32@140mA                                     | 64@140mA | 96@125mA | 144@100mA | 192@117mA | 240@110mA | 240@125mA |
| Input Voltage               | 100-240VAC / 100-277VAC / 200-240VAC 50/60Hz |          |          |           |           |           |           |
| LED Brand                   | Nichia / Philips Lumileds 3030               |          |          |           |           |           |           |
| Dimming (Optional)          | 0-10V  |          |          |           |           |           |           |
| Max. Current @ 120V         | 0.25A  | 0.5A     | 0.67A    | 0.83A     | 1.25A     | 1.5A      | 1.67A     |
| Max. Current @ 208V         | 0.14A  | 0.29A    | 0.38A    | 0.48A     | 0.72A     | 0.86A     | 0.96A     |
| Max Current @ 240V          | 0.125A                                       | 0.25A    | 0.33A    | 0.42A     | 0.625A    | 0.75A     | 0.83A     |
| Max Current @ 277V          | 0.108A                                       | 0.22A    | 0.29A    | 0.36A     | 0.24A     | 0.65A     | 0.7A      |
| Operating Temperature       | -40°C to +50°C                               |          |          |           |           |           |           |
| Power Factor (PF)           | >0.95  |          |          |           |           |           |           |
| THD                         | 20%  |          |          |           |           |           |           |
| Lumen Output (+/- 5%)       | 3,900lm                                      | 7,800lm  | 10,400lm | 13,000lm  | 19,500lm  | 23,400lm  | 26,000lm  |
| Luminaire Efficacy (+/- 5%) | 130lm/W                                      | 130lm/W  | 130lm/W  | 130lm/W   | 130lm/W   | 130lm/W   | 130lm/W   |
| Beam Angle                  | 60° / 75x135°                                |          |          |           |           |           |           |
| CRI                         | >70  |          |          |           |           |           |           |
| CCT                         | 3000K / 4000K / 5000K / 5700K                |          |          |           |           |           |           |
| Rating                      | IP65   |          |          |           |           |           |           |
| Housing Material            | Die-cast Aluminum and Tempered Glass         |          |          |           |           |           |           |
| Mounting                    | U-Bracket                                    |          |          |           |           |           |           |
| Accessories (Optional)      | Motion Sensor                                |          |          |           |           |           |           |
| Housing Color               | Black / Gray                                 |          |          |           |           |           |           |
| L70 Hours                   | >75,000 Hours L70 at 25°C                    |          |          |           |           |           |           |
| Certifications              | UL,DLC,TUV,CE,ROHS                           |          |          |           |           |           |           |

## DIMENSIONS



| Wattage    | 30W       | 60W       | 80W       | 100W       | 150W       | 180W       | 200W       |
|------------|-----------|-----------|-----------|------------|------------|------------|------------|
| "L" Length | 6.61 in.  | 5.47 in.  | 5.47 in.  | 14.14 in.  | 14.14 in.  | 16.22 in.  | 16.22 in.  |
| "W" Width  | 5.12 in.  | 9.92 in.  | 9.92 in.  | 11.02 in.  | 11.02 in.  | 12.60 in.  | 12.60 in.  |
| "H" Height | 2.72 in.  | 3.67 in.  | 3.67 in.  | 4.36 in.   | 4.36 in.   | 4.96 in.   | 4.96 in.   |
| Weight     | 3.09 lbs. | 9.04 lbs. | 9.48 lbs. | 14.33 lbs. | 15.21 lbs. | 18.62 lbs. | 18.76 lbs. |

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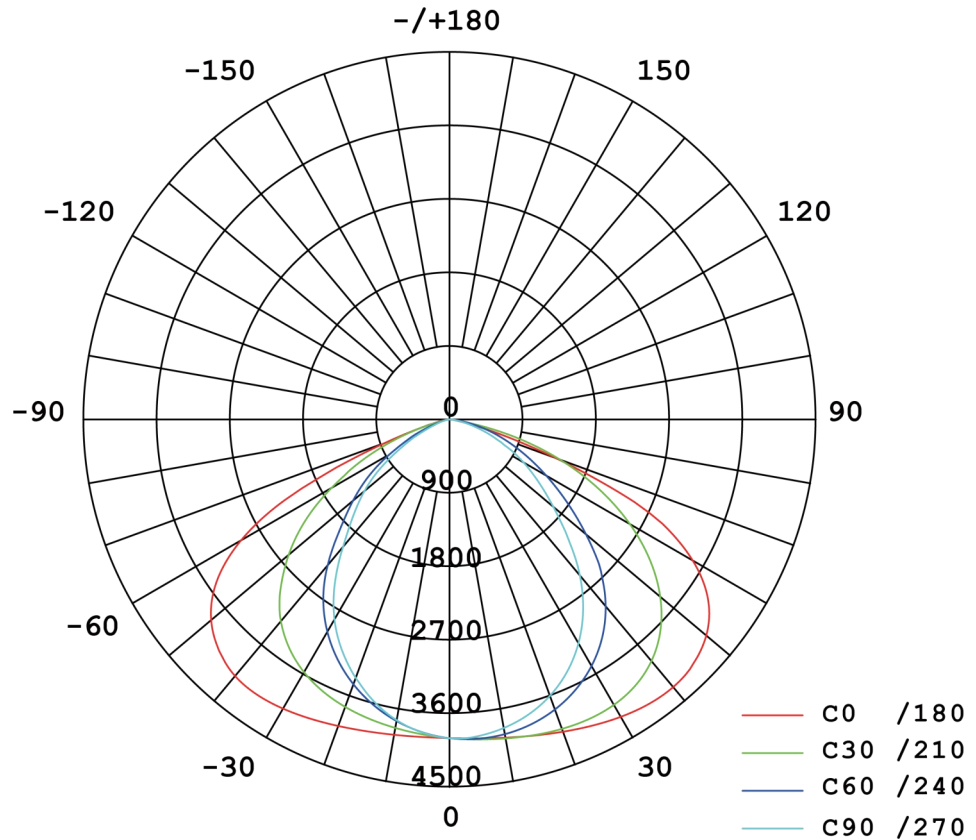
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## PHOTOMETRICS



## LUMEN MAINTENANCE

| Ambient Temperature | TM-21 Lumen Maintenance (54,000 Hours) | Calculated L70 (Hours) |
|---------------------|--|------------------------|
| 25°                 | 78.05%                                 | 82,000                 |
| 40°                 | 78.99%                                 | 79,000                 |
| 50°                 | 78.49%                                 | 75,000                 |

## ORDERING GUIDE

EXAMPLE: JLS68103-G3FL-200-277-57K-B-60-PC

| MODEL         | - | WATTAGE    | VOLTAGE          | - | CCT         | - | FINISH     | - | Beam Angle   | - | CONTROL         |
|---------------|---|------------|------------------|---|-------------|---|------------|---|--------------|---|-----------------|
| JLS68103-G3FL |   | 30 = 30W   | 240 = 100-240VAC |   | 40K = 4000K |   | B = Black  |   | 60 = 60°     |   | BLANK = None    |
|               |   | 60 = 60W   | 277 = 120-277VAC |   | 57K = 5700K |   | G = Gray   |   | 75 = 75x135° |   | M = Motion      |
|               |   | 80 = 80W   | 480 = 200-480VAC |   | 65K = 6500K |   | C = Custom |   |              |   | PC = Photo Cell |
|               |   | 100 = 100W |                  |   |             |   |            |   |              |   |                 |
|               |   | 150 = 150W |                  |   |             |   |            |   |              |   |                 |
|               |   | 180 = 180W |                  |   |             |   |            |   |              |   |                 |
|               |   | 200 = 200W |                  |   |             |   |            |   |              |   |                 |

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