



SpringLamp® Compact Fluorescent Floodlights

NPF – 8,000 Hours

Applications:

A great energy saving solution for hard to reach light fixtures

- + Track Lights
- + Recessed Cans
- + Outdoor Fixtures



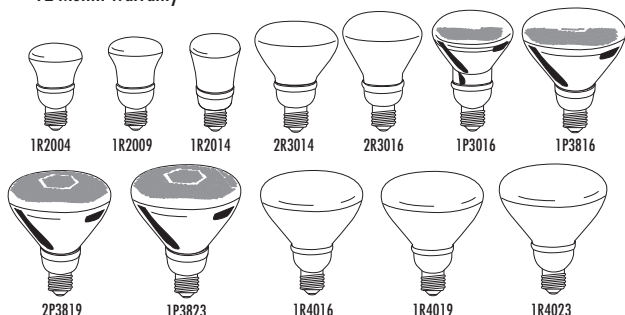
Kelvin Color Temperature Options (Ordering Suffix):

- Available in: 2700°K, 3100°K (31K), 3500°K (35K), 4100°K (41K), 5100°K (51K) and 6500°K (65K)

*Order items in 31K to replace PAR Halogen lamps

Features and Benefits

- Long life CFL, 8,000 hours average rated life
- NEW Amalgam technology - provides cooler operating temperatures for consistent performance in any position
- No lead glass - Better lumen maintenance over life of bulb
- 2700°K color temperature closest to incandescent light
- Medium base
- Replace less often, ideal for hard to reach places
- U.L. Listed for wet locations - use indoors or outdoors
- 12 Month Warranty



Special Application Notes

- UL approved for wet location in Base Up position only. Base Up position is defined as screw base in a 12:00 position. Any other base position must be in a UL approved weatherproof fixture.



Specifications

| | |
|-------------------------------------|----------------------|
| End of Life Protection..... | Yes |
| Ballast Type | Electronic |
| Starting Method..... | Modified Rapid Start |
| Input Line Voltage | 120VAC |
| Input Line Frequency | 50/60HZ |
| Lamp Life (rated) | 8,000 Hours |
| Color Rendering Index | 82 |
| Minimum Starting Temperature | -20° F |
| Maximum Operating Temperature | 160° F |
| U.L. / C.U.L. Listed | Yes |
| FCC Compliance | Part 18, Subpart C |
| Lamp Operating Frequency | 45 KHZ |
| Lamp Current Crest Factor | < 1.60 |
| Maximum Open Circuit Voltage | 600V |
| Power Factor | > .50 |
| Total Harmonic Distortion | < 150% |

Light Output

| 1R2009 | | | 2R3014 | | | 2R3016 | | | 1R4019 | | | 2P3819 | | |
|--------|-----|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|
| HT | FC | DIA | HT | FC | DIA | HT | FC | DIA | HT | FC | DIA | HT | FC | DIA |
| 4 | 4.0 | 18.5 | 4 | 10.0 | 12.3 | 4 | 11.2 | 11.3 | 4 | 14.4 | 12.4 | 4 | 19.6 | 13.4 |
| 6 | 1.8 | 24.6 | 6 | 4.5 | 18.5 | 6 | 5.0 | 17.1 | 6 | 6.4 | 18.5 | 6 | 8.7 | 20.0 |
| 8 | 1.0 | 30.8 | 8 | 2.5 | 24.6 | 8 | 2.8 | 22.9 | 8 | 3.6 | 24.6 | 8 | 4.9 | 26.6 |
| 10 | 0.6 | 37.0 | 10 | 1.6 | 30.8 | 10 | 1.8 | 28.6 | 10 | 2.3 | 30.8 | 10 | 3.1 | 33.3 |
| 12 | 0.5 | 43.1 | 12 | 1.1 | 37.0 | 12 | 1.3 | 34.3 | 12 | 1.6 | 37.0 | 12 | 2.2 | 39.9 |

HT = Mounting Height in Feet FC = Foot Candle Value at Center of Beam DIA = Diameter in Feet

| Warranties and Certifications: | Item # | Description | Wattage | Incandescent Wattage Comparison | Initial Lumens | Input Line Current | M.O.L. (inches) | Diameter (inches) | Life vs. Incandescent | Power Factor |
|--------------------------------|---|---------------------------|--------------|---------------------------------|----------------|--------------------|-----------------|-------------------|-----------------------|--------------|
| | 12 MONTH WARRANTY <p>TCP reserves the right to void the warranty for any mis-application of these products.</p> <p>* 6,000 Hours</p> | 1R2004 | 4W R20 Flood | 4 | 15 | 180 | .15A | 3.9 | 2.5 | 4X |
| 1R2009 | | 9W R20 Flood | 9 | 25 | 400 | .15A | 3.9 | 2.5 | 4X | NPF |
| 1R2009CL | | 9W R20 Clear Flood | 9 | 25 | 400 | .15A | 3.9 | 2.5 | 4X | NPF |
| 1R2014 | | 14W R20 Flood | 14 | 50 | 500 | .23A | 4.2 | 2.5 | 4X | NPF |
| 1R4014B* | | 14W R40 Flood Instabright | 14 | 50 | 600 | .23A | 5.8 | 4.7 | 4X | NPF |
| 1R4016 | | 16W R40 Flood | 16 | 65 | 800 | .27A | 5.7 | 4.7 | 4X | NPF |
| 1R4019 | | 19W R40 Flood | 19 | 85 | 950 | .32A | 5.8 | 4.7 | 4X | NPF |
| 1R4023 | | 23W R40 Flood | 23 | 85 | 1150 | .38A | 6.2 | 4.7 | 3X | NPF |
| 2R3014 | | 14W R30 Flood | 14 | 65 | 650 | .23A | 5.3 | 3.7 | 4X | NPF |
| 2R3016 | | 16W R30 Flood | 16 | 65 | 750 | .27A | 5.7 | 3.7 | 4X | NPF |
| 1P3016 | | 16W PAR30 Flood | 16 | 65 | 750 | .27A | 5.7 | 3.6 | 4X | NPF |
| 1P3816 | | 16W PAR38 Flood | 16 | 65 | 850 | .27A | 5.6 | 4.7 | 4X | NPF |
| 2P3819 | | 19W PAR38 Flood | 19 | 85 | 1000 | .32A | 5.9 | 4.7 | 4X | NPF |
| 1P3823 | | 23W PAR38 Flood | 23 | 90 | 1200 | .38A | 6.2 | 4.7 | 3X | NPF |





Floodlight Specifications

| Color Temperature | Item # | Description | Wattage | Incandescent Wattage Comparison | Initial Lumens | Input Line Current | M.O.L. (inches) | Diameter (inches) | Life vs. Incandescent |
|---|------------------|---------------------|---------|---------------------------------|----------------|--------------------|-----------------|-------------------|-----------------------|
| 3100°K ordering suffix 31K | R Lamps | | | | | | | | |
| | 1R201431K | 14W R20 Flood 31K | 14 | 50 | 450 | .23A | 4.2 | 2.5 | 4X |
| | 1R401631K | 16W R40 Flood 31K | 16 | 65 | 800 | .27A | 5.7 | 4.7 | 4X |
| | 1R401931K | 19W R40 Flood 31K | 19 | 85 | 950 | .32A | 5.8 | 4.7 | 4X |
| | 1R402331K | 23W R40 Flood 31K | 23 | 85 | 1150 | .38A | 6.2 | 4.7 | 3X |
| | 2R301431K | 14W R30 Flood 31K | 14 | 65 | 650 | .23A | 5.3 | 3.7 | 4X |
| | 2R301631K | 16W R30 Flood 31K | 16 | 65 | 750 | .27A | 5.7 | 3.7 | 4X |
| 3500°K ordering suffix 35K | 1R200935K | 9W R20 Flood 35K | 9 | 25 | 300 | .15A | 3.9 | 2.5 | 4X |
| | 1R201435K | 14W R20 Flood 35K | 14 | 50 | 450 | .23A | 4.2 | 2.5 | 4X |
| | 1R401635K | 16W R40 Flood 35K | 16 | 65 | 800 | .27A | 5.7 | 4.7 | 4X |
| | 1R401935K | 19W R40 Flood 35K | 19 | 85 | 950 | .32A | 5.8 | 4.7 | 4X |
| | 1R402335K | 23W R40 Flood 35K | 23 | 85 | 1150 | .38A | 6.2 | 4.7 | 3X |
| | 2R301435K | 14W R30 Flood 35K | 14 | 65 | 600 | .23A | 5.3 | 3.7 | 4X |
| | 2R301635K | 16W R30 Flood 35K | 16 | 65 | 750 | .27A | 5.7 | 3.7 | 4X |
| 4100°K ordering suffix 41K | 1R200441K | 4W R20 Flood 41K | 4 | 15 | 150 | .15A | 3.9 | 2.5 | 4X |
| | 1R200941K | 9W R20 Flood 41K | 9 | 25 | 300 | .15A | 3.9 | 2.5 | 4X |
| | 1R201441K | 14W R20 Flood 41K | 14 | 50 | 450 | .23A | 4.2 | 2.5 | 4X |
| | 1R401641K | 16W R40 Flood 41K | 16 | 65 | 800 | .27A | 5.7 | 4.7 | 4X |
| | 1R401941K | 19W R40 Flood 41K | 19 | 85 | 950 | .32A | 5.8 | 4.7 | 4X |
| | 1R402341K | 23W R40 Flood 41K | 23 | 85 | 1150 | .38A | 6.2 | 4.7 | 3X |
| | 2R301441K | 14W R30 Flood 41K | 14 | 65 | 650 | .23A | 5.3 | 3.7 | 4X |
| | 2R301641K | 16W R30 Flood 41K | 16 | 65 | 750 | .27A | 5.7 | 3.7 | 4X |
| 5100°K ordering suffix 51K | 1R200951K | 9W R20 Flood 51K | 9 | 25 | 300 | .15A | 3.9 | 2.5 | 4X |
| | 1R201451K | 14W R20 Flood 51K | 14 | 50 | 450 | .23A | 4.2 | 2.5 | 4X |
| | 1R401651K | 16W R40 Flood 51K | 16 | 65 | 800 | .27A | 5.7 | 4.7 | 4X |
| | 1R401951K | 19W R40 Flood 51K | 19 | 85 | 950 | .32A | 5.8 | 4.7 | 4X |
| | 1R402351K | 23W R40 Flood 51K | 23 | 85 | 1100 | .38A | 6.2 | 4.7 | 3X |
| | 2R301451K | 14W R30 Flood 51K | 14 | 65 | 650 | .23A | 5.3 | 3.7 | 4X |
| | 2R301651K | 16W R30 Flood 51K | 16 | 65 | 700 | .27A | 5.7 | 3.7 | 4X |
| 6500°K ordering suffix 65K | 1R201465K | 14W R20 Flood 65K | 14 | 50 | 400 | .23A | 4.2 | 2.5 | 4X |
| | 1R401665K | 16W R40 Flood 65K | 16 | 65 | 700 | .27A | 5.7 | 4.7 | 4X |
| | 1R402365K | 23W R40 Flood 65K | 23 | 85 | 1000 | .38A | 6.2 | 4.7 | 3X |
| | 2R301465K | 14W R30 Flood 65K | 14 | 65 | 600 | .23A | 5.3 | 3.7 | 4X |
| | 2R301665K | 16W R30 Flood 65K | 16 | 65 | 750 | .27A | 5.7 | 3.7 | 4X |
| 3100°K ordering suffix 31K | PAR Lamps | | | | | | | | |
| | 1P301631K | 16W PAR30 Flood 31K | 16 | 65 | 700 | .27A | 5.7 | 3.6 | 4X |
| | 1P382331K | 23W PAR38 Flood 31K | 23 | 90 | 1200 | .38A | 6.2 | 4.7 | 3X |
| | 2P381931K | 14W PAR38 Flood 31K | 19 | 8 | 1000 | .32A | 5.9 | 4.7 | 4X |
| 3500°K ordering suffix 35K | 1P301635K | 16W PAR30 Flood 35K | 16 | 65 | 750 | .27A | 5.7 | 3.6 | 4X |
| | 1P382335K | 23W PAR38 Flood 35K | 23 | 90 | 1200 | .38A | 6.2 | 4.7 | 3X |
| | 2P381935K | 19W PAR38 Flood 35K | 19 | 85 | 1000 | .32A | 5.9 | 4.7 | 4X |
| 4100°K ordering suffix 41K | 1P301641K | 16W PAR30 Flood 41K | 16 | 65 | 750 | .27A | 5.7 | 3.6 | 4X |
| | 1P381641K | 16W PAR38 Flood 41K | 16 | 65 | 850 | .27A | 5.6 | 4.7 | 4X |
| | 1P382341K | 23W PAR38 Flood 41K | 23 | 90 | 1200 | .38A | 6.2 | 4.7 | 3X |
| | 2P381941K | 19W PAR38 Flood 41K | 19 | 85 | 1000 | .32A | 5.9 | 4.7 | 4X |
| 5100°K ordering suffix 51K | 1P301651K | 16W PAR30 Flood 51K | 16 | 65 | 750 | .27A | 5.7 | 3.6 | 4X |
| | 1P381651K | 16W PAR38 Flood 51K | 16 | 65 | 800 | .27A | 5.6 | 4.7 | 4X |
| | 1P382351K | 23W PAR38 Flood 51K | 23 | 90 | 1150 | .38A | 6.2 | 4.7 | 3X |
| | 2P381951K | 19W PAR38 Flood 51K | 19 | 85 | 950 | .32A | 5.9 | 4.7 | 4X |
| 6500°K ordering suffix 65K | 1P381665K | 16W PAR38 Flood 65K | 16 | 65 | 800 | .27A | 5.6 | 4.7 | 4X |
| | 1P382365K | 23W PAR38 Flood 65K | 23 | 90 | 1100 | .38A | 6.2 | 4.7 | 3X |

