



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



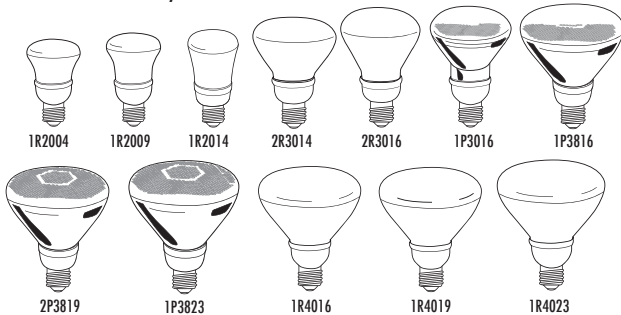
Kelvin Color Temperature Options (Ordering Suffix):

- 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.

Catalog Number

Notes

Type



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 #	ENERGY STAR®	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>For the most up-to-date specs, please visit www.tcp.com</p> <p>* 6,000 Hours</p>	1R2004		4W R20 Flood	4	15	180	.15A	3.9	2.5	4X	NPF
	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	90	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 #	ENERGY STAR®	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	90	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		1R200435K		4W R20 Flood 35K	4	15	180	.15A	3.9	2.5	4X
		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	90	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	90	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		1R200451K		4W R20 Flood 51K	4	15	150	.15A	3.9	2.5	4X
		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	90	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	90	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
		1P381635K		16W PAR38 Flood 35K	16	65	850	.27A	5.6	4.7	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
		2P381965K		19W PAR38 Flood 65K	19	85	900	.32A	5.9	4.7	4X

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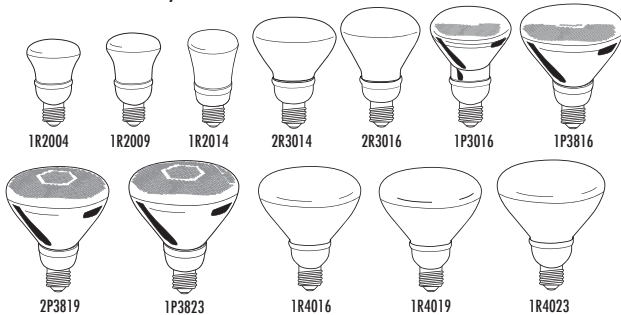
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*Order items in 31K to replace PAR Halogen lamps

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Color Rendering Index	82
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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%

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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
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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

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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	90	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 #	ENERGY STAR®	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	90	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		1R200435K		4W R20 Flood 35K	4	15	180	.15A	3.9	2.5	4X
		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	90	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	90	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		1R200451K		4W R20 Flood 51K	4	15	150	.15A	3.9	2.5	4X
		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	90	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	90	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
		1P381635K		16W PAR38 Flood 35K	16	65	850	.27A	5.6	4.7	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
		2P381965K		19W PAR38 Flood 65K	19	85	900	.32A	5.9	4.7	4X

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