Floodlight Specifications

SpringLamp® Compact Fluorescent Floodlights | NPF – 8,000 Hours

Catalog Number	
Notes	Type

Applications:

A great energy saving solution for hard to reach light fixtures

- ✚ Track Lights
- ✚ Recessed Cans
- ✚ Outdoor Fixtures

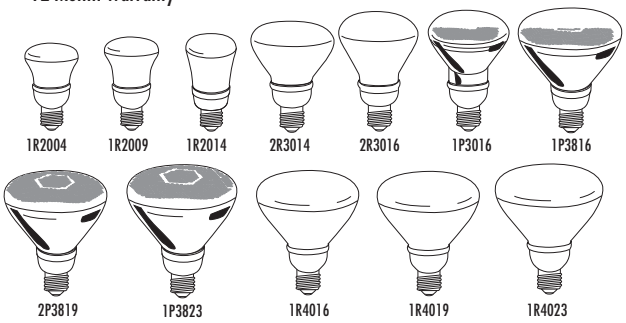
Kelvin Color Temperature Options (Ordering Suffix):

- 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



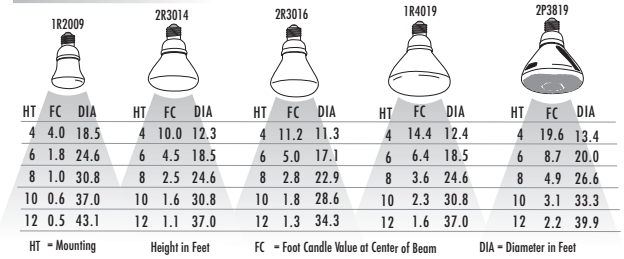
Special Application Notes

- 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



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 c UL us	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
TCP reserves the right to void the warranty for any mis-application of these products.	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
For the most up-to-date specs, please visit www.tcpi.com	1R4014IB*	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
* 6,000 Hours	1P3823	23W PAR38 Flood	23	90	1200	.38A	6.2	4.7	3X	NPF

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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

For the most up-to-date specs, please visit www.tcpi.com

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A great energy saving solution for hard to reach light fixtures

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- ✚ Outdoor Fixtures

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- 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
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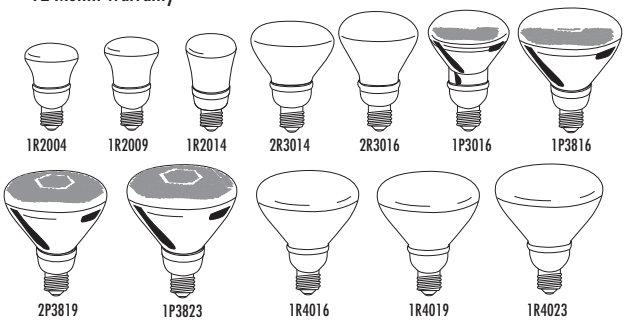
- Replace less often, ideal for hard to reach places
- U.L. Listed for wet locations - use indoors or outdoors
- 12 Month Warranty



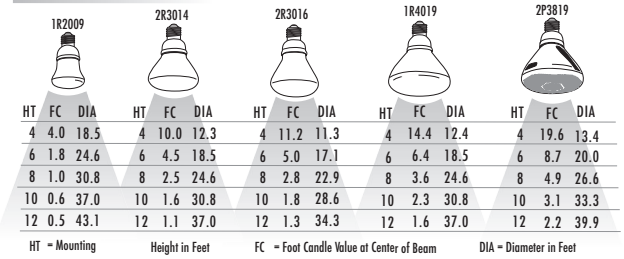
Special Application Notes

- 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



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
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	1R2009	9W R20 Flood	9	25	400	.15A	3.9	2.5	4X	NPF
TCP reserves the right to void the warranty for any mis-application of these products.	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
For the most up-to-date specs, please visit www.tcpi.com	1R4014IB*	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
* 6,000 Hours	1P3823	23W PAR38 Flood	23	90	1200	.38A	6.2	4.7	3X	NPF

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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

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