



BR30

VERSION 5



DESCRIPTION

• Delivering 850 lumens with only 12 watts, this highly energy efficient lamp is fully dimmable, and is Version 5 of Arani's BR30 lamp, the current best in a long history of continuous research and development.

APPLICATION

• Designed with a universal BR30 fitting, this lamp is versatile in its applications, and can be used for ambient lighting, work lighting, or any application requiring a small, but powerful lamp.

SPECIFICATIONS

Certifications

- Energy Star
- cULs
- CE
- RoHS

Color consistency

- Excellent color consistency
- No flickering
- Noise free

Finish

- Aluminum
- White

Operating Temperatures

-10°C to 40°C

Dimensions

Ø10 x 12mm

Date:

Project:

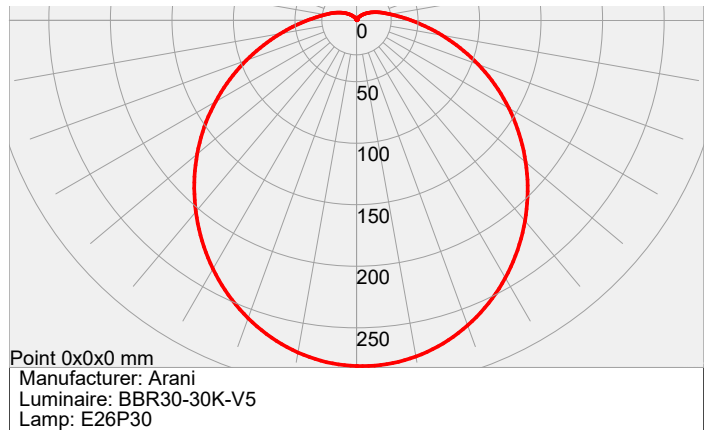
Prepared by:

Type:

Comments:



BR30 (V5)



PERFORMANCE

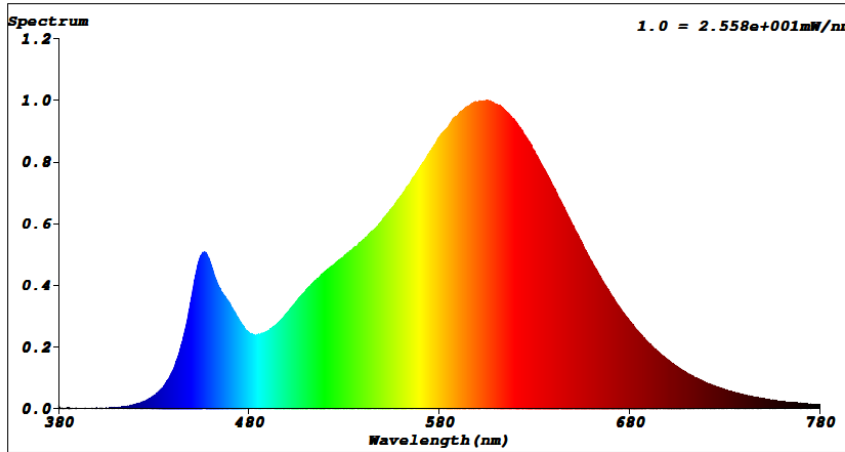
Model Number	Power (Watts)	Lumens	Dimensions	Color Temp.	Input Voltage	Beam Angle	CRI
BBR30-30K-V5	12	850	Ø10 x 12mm	3000K	90-120VAC	120°	82.4
BBR30-40K-V5	12	850	Ø10 x 12mm	4000K	90-120VAC	120°	82.4



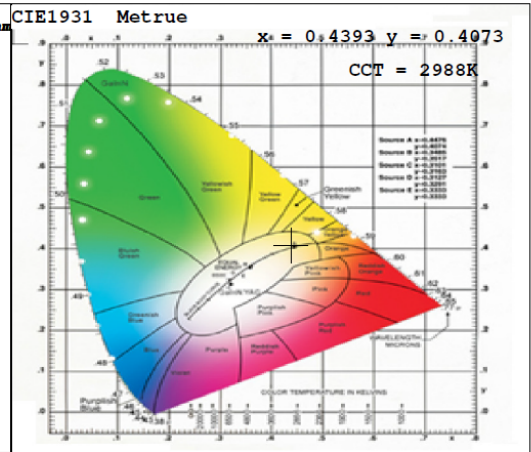
WAVELENGTH SPECTRUM

Spectrum

BBR30-30K-V5



Spectral Distribution

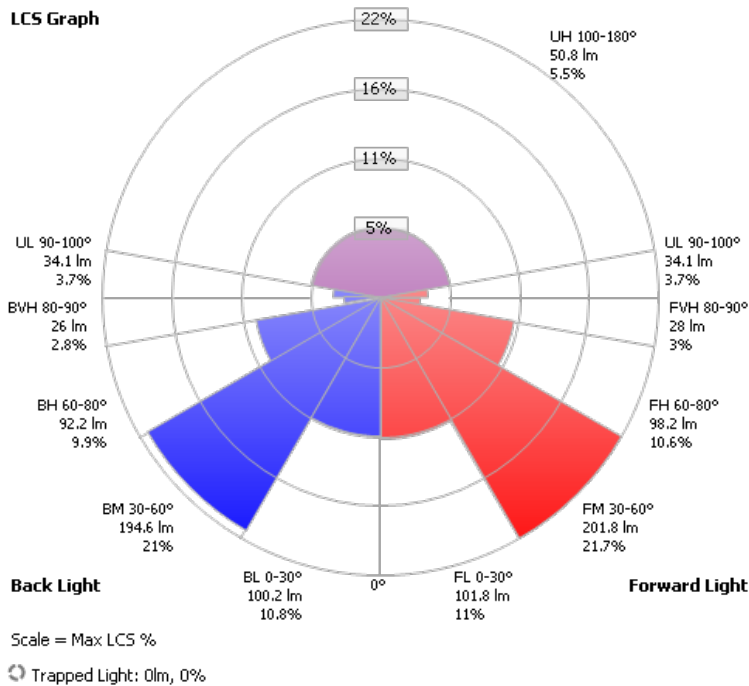
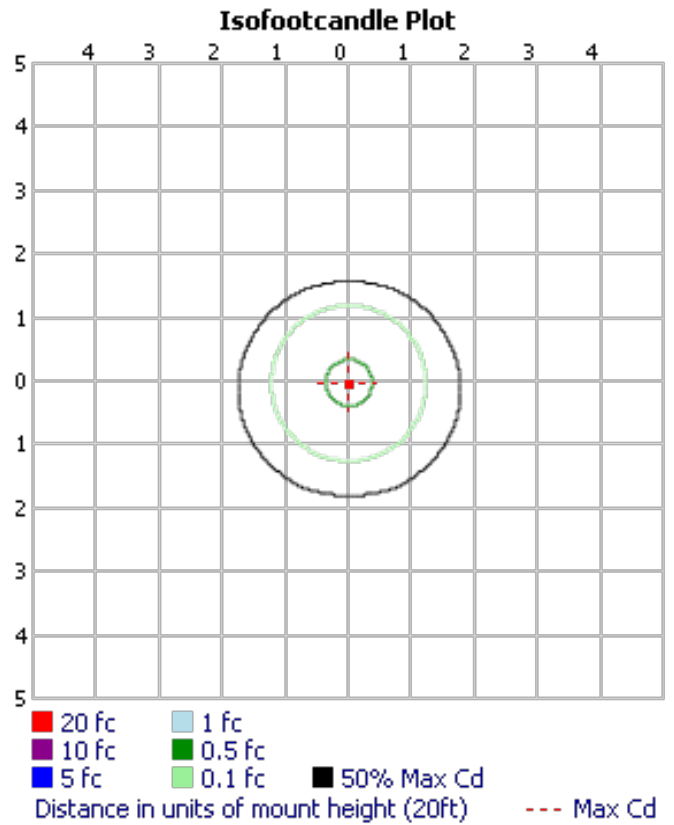
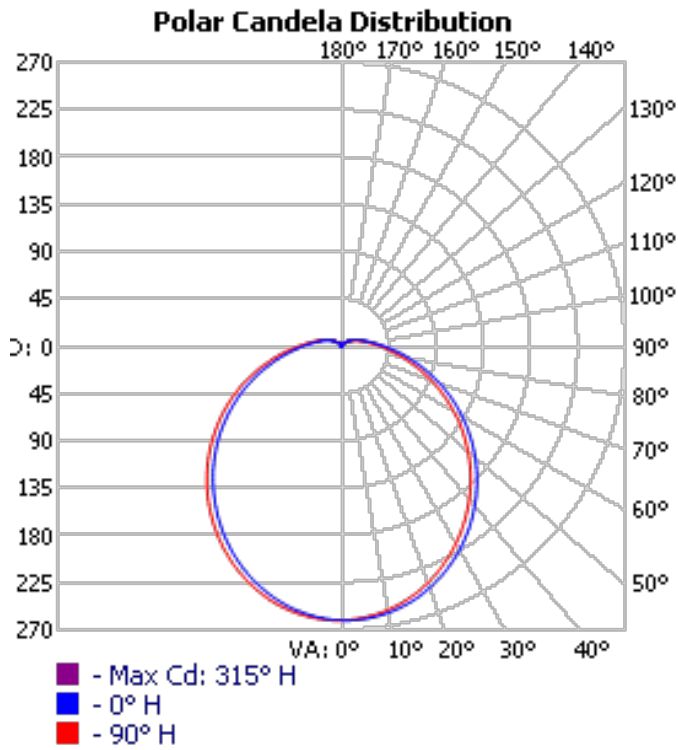


CIE1931 Chromaticity Diagram

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RENDERING INDEX

Rating type	BBR30-30K-V5
CRI	82.4
R1	81
R2	92
R3	95
R4	79
R5	81
R6	91
R7	82
R8	59
R9	8
R10	82
R11	77
R12	70
R13	84
R14	98
R15	74



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	202.1	21.8%	21.8%
0-40	331.7	35.8%	35.8%
0-60	598.3	64.5%	64.5%
60-90	244.4	26.3%	26.3%
70-100	169.4	18.3%	18.3%
90-120	70.1	7.6%	7.6%
0-90	842.7	90.8%	90.8%
90-180	85.0	9.2%	9.2%
0-180	927.7	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	24.6	2.7%	90-100	34.1	3.7%
10-20	70.5	7.6%	100-110	22.0	2.4%
20-30	106.9	11.5%	110-120	13.9	1.5%
30-40	129.7	14.0%	120-130	8.1	0.9%
40-50	137.1	14.8%	130-140	4.1	0.4%
50-60	129.5	14.0%	140-150	1.8	0.2%
60-70	109.1	11.8%	150-160	0.6	0.1%
70-80	81.3	8.8%	160-170	0.2	0%
80-90	54.1	5.8%	170-180	0.0	0%

ROADWAY SUMMARY

CUTOFF CLASSIFICATION:	SEMICUTOFF	
DISTRIBUTION:	TYPE VS	
MAX CD, 90 DEG VERT:	42.0	
MAX CD, 80 TO <90 DEG:	66.9	
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	429.8	46.3%
DOWNWARD HOUSE SIDE:	413.0	44.5%
DOWNWARD TOTAL:	842.8	90.8%
UPWARD STREET SIDE:	43.5	4.7%
UPWARD HOUSE SIDE:	41.5	4.5%
UPWARD TOTAL:	84.9	9.2%
TOTAL LUMENS:	927.7	100%

LCS TABLE

BUG RATING	B0 - U3 - G1	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	101.8	11%
MEDIUM(30-60):	201.8	21.7%
HIGH(60-80):	98.2	10.6%
VERY HIGH(80-90):	28.0	3%
BACK LIGHT		
LOW(0-30):	100.2	10.8%
MEDIUM(30-60):	194.6	21%
HIGH(60-80):	92.2	9.9%
VERY HIGH(80-90):	26.0	2.8%
UPLIGHT		
LOW(90-100):	34.1	3.7%
HIGH(100-180):	50.8	5.5%
TRAPPED LIGHT:	0	0%

CANDELA TABLE - TYPE C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261
5	260	260	260	259	259	259	258	258	259	259	259	260	260	260	260	260	260
10	257	257	256	255	255	254	254	254	254	255	256	256	257	258	258	258	257
15	252	251	250	249	248	247	247	247	248	248	249	250	252	253	253	253	252
20	245	244	242	241	240	239	238	238	239	240	241	242	244	245	245	246	245
25	235	234	233	231	229	228	228	228	229	229	231	233	234	236	236	236	235
30	224	223	221	219	217	216	216	215	216	218	220	221	223	225	225	225	224
35	212	210	208	206	204	202	202	202	203	204	206	208	210	212	213	213	212
40	198	196	194	192	189	188	187	187	188	190	192	194	196	198	199	199	198
45	182	181	178	176	174	172	172	172	173	174	177	179	181	183	184	184	182
50	166	165	162	160	157	156	155	155	157	158	161	163	165	168	168	168	166
55	150	148	145	143	141	139	139	138	140	141	144	146	149	151	151	151	150
60	132	131	128	126	123	122	121	121	123	124	127	129	132	134	134	135	132
65	115	113	111	108	106	104	104	104	105	107	110	112	114	116	117	116	115
70	98	96	93	91	89	87	87	87	88	90	92	95	97	99	99	99	98
75	81	79	77	75	73	71	71	71	72	74	76	78	81	82	82	82	81
80	65	64	62	60	58	57	57	57	58	60	61	63	65	67	67	67	65
85	52	51	49	48	46	45	46	45	46	47	49	50	52	53	53	53	52
90	41	40	39	38	37	36	36	36	37	37	39	40	41	42	42	42	41
95	32	32	31	30	29	29	29	29	30	30	31	31	32	33	33	33	32
100	26	25	25	24	24	24	24	24	24	24	25	25	26	27	27	26	26
105	21	21	20	20	20	20	20	20	20	20	21	21	21	22	22	22	21
110	17	17	17	17	16	16	16	16	17	17	17	17	18	18	18	18	17
115	14	14	14	14	13	13	13	13	14	14	14	14	15	15	15	15	14
120	12	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12
125	9	9	9	9	8	8	8	9	9	9	9	9	9	10	9	9	9
130	7	7	7	7	6	6	7	7	7	7	7	7	7	8	7	7	7
135	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	5
140	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
145	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3
150	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
155	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1
160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
165	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
170	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BR30 (V5)

PRODUCT IMAGES



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