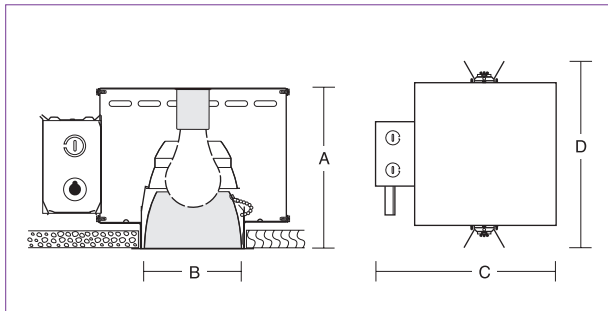


Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length	Lamps
C7319	7" 178mm	4 1/8" 105mm	11" 279mm	14 1/4" 362mm	60-100W A-19* 60-100W BT-15 Halogena

*Inside frosted or soft white. Clear lamps not recommended.

C7319

**A and BT-15 Halogena Lamps to 100W
4 1/8" Conoid Aperture**

Optics and Applications

The two reflector system gathers and directs lamp output to the workspace. Use in lower ceiling heights for downlighting or highlighting. For stores, lounges, homes, hotels, restaurants, corridors, transit areas etc.

Design Features

Kurt Versen reflectors produce uniform patterns with feathered edges and unparalleled brightness control. A sturdy steel housing protects and positions the lamp and reflector. Maximum ceiling thickness 1". Top or bottom service.

Finish

A specular clear Alzak cone is standard. Optional colors and Softglow® finishes are available. Housing and structural parts are painted optical matte black to suppress stray light leaks. Steel parts are phosphate conditioned for corrosion resistance before painting.

General

Fixtures are pre-wired and thermally protected, UL and C-UL listed for eight wire 75°C branch circuit wiring. Union made IBEW. Luminaire Efficiency Rating (LER) data is in the photometric directory located in Section Z.

Accessories

- R2 26" support rails.
 - R5 52" support rails.
 - B Black cone.
 - G Gold cone.
 - H Mocha cone.
 - P Graphite cone.
 - S Softglow® finishes: add S before color letters. e.g. SW for Softglow® wheat cone, SC for Softglow® clear cone.
 - WT White trim flange.
 - WHT White complete trim.
 - T Titanium cone.
 - W Wheat cone.
 - Y Pewter cone.
 - Z Bronze cone.
- WRL Wattage restriction label, specify wattage.

Matching Units

- Wall washers [Pages E1, E7, K4](#)
- PAR lamp downlight [Page C1](#)
- Directional downlights [Page C21](#)
- Low voltage downlights [Pages K2, K3, K5](#)

Brightness

Number	Lamps	85°	75°	65°	55°	45°
C7319	75W A-19 IF	11	49	101	5661	10575
	100W A-19 IF	16	74	155	8558	15988
	60W BT-15 Halogena	7	37	68	1058	7898
	100W BT-15 Halogena	13	71	129	2021	15088

Data in footlamberts. Photometer readings, Maximum Brightness Method.

* Click for link to pages in blue.

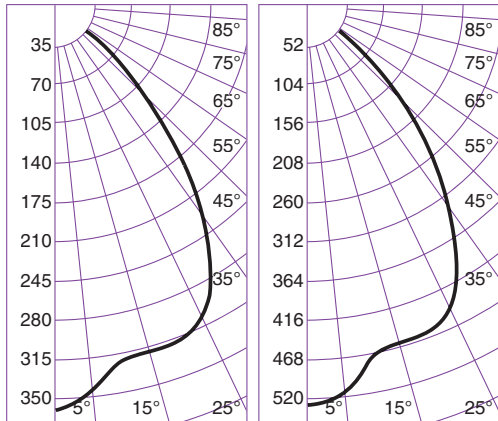
C2 C7319

Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane				
C7319 75W A-19 IF Read Top Data							Ceiling 80% Walls 50% Floor 20%				
C7319 100W A-19 IF Read Bottom Data							Spacing is Maximum Over Work Plane				
Nadir	10°		20°		30°						
FC	FC	Diam	FC	Diam	FC	Diam	Spacing	RCR 1	RCR 3	RCR 8	
12	10	2'	9	4'	6	6'	8'	6'	14	11	8
18	14	2'	13	4'	9	6'		6'	20	16	11
9	7	2'	6	5'	5	8'	9'	8'	10	8	6
13	10	2'	9	5'	7	8'		8'	14	12	8
7	5	3'	5	5'	3	9'	10'	9'	7	6	4
9	8	3'	7	5'	5	9'		9'	11	9	6
5	4	3'	4	6'	3	10'	11'	10'	6	5	3
7	6	3'	5	6'	4	10'		10'	8	7	5
4	3	3'	3	7'	2	11'	12'	11'	5	4	3
6	5	3'	4	7'	3	11'		11'	7	6	4

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane				
C7319 60W BT-15/HAL/W Read Top Data							Ceiling 80% Walls 50% Floor 20%				
C7319 100W BT-15/HAL/W Read Bottom Data							Spacing is Maximum Over Work Plane				
Nadir	10°		20°		30°						
FC	FC	Diam	FC	Diam	FC	Diam	Spacing	RCR 1	RCR 3	RCR 8	
7	6	2'	6	4'	4	6'	8'	7'	8	7	4
13	12	2'	11	4'	8	6'		7'	16	13	9
5	5	2'	4	5'	3	8'	9'	8'	6	5	3
10	9	2'	8	5'	5	8'		8'	11	10	6
4	3	3'	3	5'	2	9'	10'	9'	4	4	2
7	7	3'	6	5'	4	9'		9'	8	7	5
3	3	3'	2	6'	2	10'	11'	10'	3	3	2
6	5	3'	5	6'	3	10'		11'	7	6	4
2	2	3'	2	7'	1	11'	12'	11'	2	2	1
4	4	3'	4	7'	3	11'		12'	5	4	3

Candlepower Distribution



C7319 75W A-19 IF
Eff. 44% S/M 1.18

C7319 100W A-19 IF
Eff. 45% S/M 1.18

Candelas

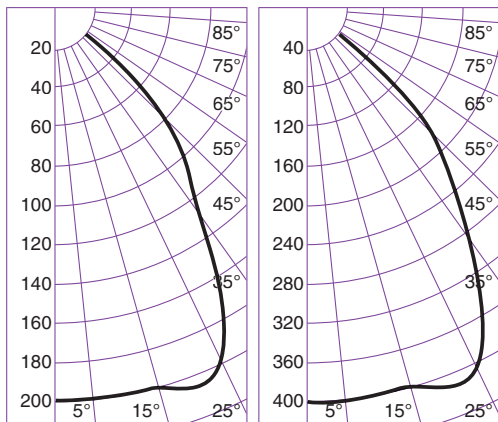
°	75W	100W
	1170*	1690*
0	367	530
5	352	516
10	317	458
15	312	451
20	319	461
25	310	452
30	294	425
35	225	328
40	157	242
45	116	180
50	71	110
55	15	26
60	5	5
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

° Vertical Angles
* Initial Lamp Lumens

Coefficients of Utilization

Ceiling	80%				70%				50%				30%				0				
	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	
Wall %	Zonal Cavity Method - Floor Reflectance 20%																				
RCR	Zonal Cavity Method - Floor Reflectance 20%																				
1	.50	.49	.48	.47	.48	.46	.46	.44	.45	.43	.41	.46	.46	.44	.44	.42	.42	.40	.40	.39	.37
2	.47	.45	.43	.41	.44	.41	.43	.40	.41	.39	.37	.43	.43	.41	.41	.39	.38	.36	.36	.35	.34
3	.45	.41	.39	.37	.41	.36	.39	.36	.38	.35	.34	.39	.39	.37	.37	.35	.34	.33	.33	.32	.31
4	.42	.38	.35	.33	.37	.33	.36	.32	.35	.32	.31	.36	.36	.34	.34	.32	.31	.30	.30	.29	.28
5	.39	.35	.32	.30	.34	.30	.34	.29	.33	.29	.28	.34	.34	.32	.32	.30	.29	.29	.28	.27	.26
6	.37	.32	.29	.27	.32	.27	.31	.27	.30	.26	.26	.34	.34	.32	.32	.30	.29	.29	.28	.27	.26
7	.35	.30	.27	.25	.29	.24	.29	.24	.28	.24	.23	.34	.34	.32	.32	.30	.29	.29	.28	.27	.26
8	.33	.28	.25	.22	.27	.22	.27	.22	.26	.22	.21	.34	.34	.32	.32	.30	.29	.29	.28	.27	.26
9	.31	.26	.23	.21	.25	.21	.25	.20	.25	.20	.20	.34	.34	.32	.32	.30	.29	.29	.28	.27	.26
10	.29	.24	.21	.19	.24	.19	.23	.19	.23	.19	.18	.34	.34	.32	.32	.30	.29	.29	.28	.27	.26

C7319 100W A-19 IF
C7319 75W A-19 IF x .98



C7319 60W BT-15 Halogena
Eff. 38% S/M 1.2

C7319 100W BT-15 Halogena
Eff. 41% S/M 1.24

°	60W	100W
	840*	1670*
0	201	403
5	200	399
10	200	394
15	199	398
20	206	412
25	199	404
30	171	354
35	130	291
40	109	238
45	80	184
50	32	104
55	5	15
60	0	0
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

° Vertical Angles
* Initial Lamp Lumens

Ceiling	80%				70%				50%				30%				0				
	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	
Wall %	Zonal Cavity Method - Floor Reflectance 20%																				
RCR	Zonal Cavity Method - Floor Reflectance 20%																				
1	.46	.44	.43	.42	.44	.42	.42	.40	.40	.39	.37	.46	.46	.44	.44	.42	.42	.40	.40	.39	.37
2	.43	.41	.39	.37	.40	.37	.39	.36	.37	.35	.34	.43	.43	.41	.41	.39	.38	.36	.36	.35	.34
3	.40	.37	.35	.33	.37	.33	.36	.32	.35	.32	.31	.43	.43	.41	.41	.39	.38	.36	.36	.35	.34
4	.38	.34	.32	.30	.34	.30	.33	.29	.32	.29	.28	.43	.43	.41	.41	.39	.38	.36	.36	.35	.34
5	.35	.31	.29	.27	.31	.27	.30	.26	.30	.26	.25	.43	.43	.41	.41	.39	.38	.36	.36	.35	.34
6	.33	.29	.26	.24	.29	.24	.28	.24	.27	.24	.23	.43	.43	.41	.41	.39	.38	.36	.36	.35	.34
7	.31	.27	.24	.22	.26	.22	.26	.22	.25	.22	.21	.43	.43	.41	.41	.39	.38	.36	.36	.35	.34
8	.29	.25	.22	.20	.25	.20	.24	.20	.24	.20	.19	.43	.43	.41	.41	.39	.38	.36	.36	.35	.34
9	.28	.23	.20	.18	.23	.18	.22	.18	.22	.18	.18	.43	.43	.41	.41	.39	.38	.36	.36	.35	.34
10	.26	.21	.19	.17	.21	.17	.21	.17	.21	.17	.16	.43	.43	.41	.41	.39	.38	.36	.36	.35	.34

C7319 100W BT-15 Halogena 60W x .91