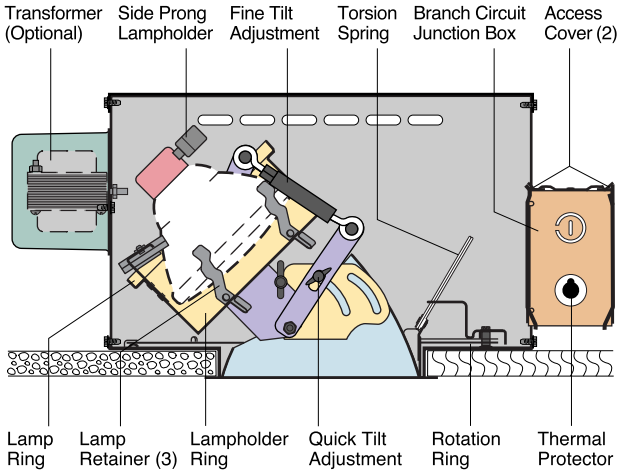
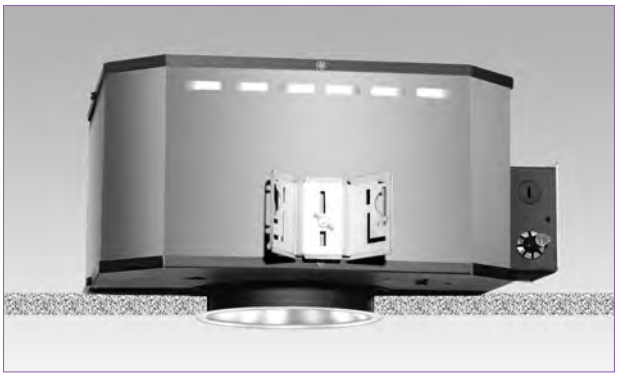




C7318 DISCONTINUED C23

See C7310, Page C22 or K7436, Page K6

Directional
PAR-38 Side Prong Lamps
5 7/8" Conoid Aperture

Optics and Applications

Illuminate vertical or horizontal surfaces with low aperture brightness and excellent lamp shielding. Use anywhere to feature mannequins, art objects, pictures, displays, sculpture, lecterns, tapestries, architectural elements, etc.

Design Features

The lamp assembly rotates 360° and tilts 45°. Positive locking maintains focusing when relamping. The cone is retained by a torsion spring which rotates with the lamp and is always in correct position. The tilt assembly has quick gross aiming, then precise tiny adjustments from an insulated threaded turnbuckle. An optional transformer converts line current to 12V for low voltage PAR-36 lamps. The lampholder ring has beam orientation for the elliptical pattern. It accepts two accessories. Maximum ceiling thickness 7/8". Aim or relamp from above or below.

Cones

The standard cone is for aiming angles from 0° to 45°. A shallower straight top cone is also available.

Finish

A specular clear Alzak cone is standard. Optional colors and Softglow® finishes are available. The back of each cone is painted black to prevent reflected light from creating light streaks. Housing and structural parts are painted optical matte black.

General

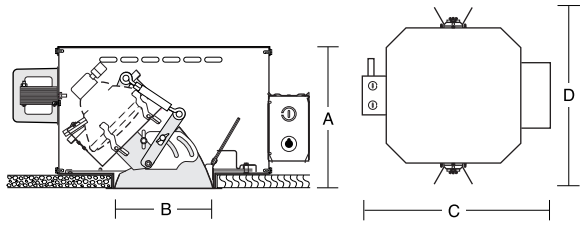
Fixtures are pre-wired and thermally protected, UL and C-UL listed for eight wire 75°C branch circuit wiring. Union made IBEW. Luminaire Efficiency Ratings (LER) do not apply to fixtures using reflector type lamps.

Accessories

B	Black cone.	R2	26" support rails.
G	Gold cone.	R5	52" support rails.
H	Mocha cone.	WT	White trim flange.
P	Graphite cone.	WHT	White complete trim.
T	Titanium cone.	HL	Hexcell louver.
W	Wheat cone.	LL	Linear lens.
Y	Pewter cone.	LP	Large prism lens.
Z	Bronze cone.	MP	Micro prism lens.

S Softglow® finishes: add S before color letters. e.g. SW for Softglow® wheat cone, SC for Softglow® clear cone.
FR Frosted lens. Example: LLFR for linear lens frosted.
LS Clear glass lamp shield.
STC Straight top cone.
V12 Transformer 120V to 12V.
V277 Transformer 277V to 12V.
WRL Wattage restriction label, specify wattage.
For color filters, pattern control lenses, light block screens, UV filters and other accessories, contact the factory.

Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length	Side Prong Lamps
C7318	8 3/4" 222mm	5 7/8" 149mm	18 3/8" 467mm	18 1/4" 464mm	75-150W PAR-38 25-75W PAR-36*

*Optional. To specify add V12 to number for stepdown transformer 120V to 12V.

Matching Units

Straight downlights	Pages C6, C7, C8, C9
Wall washers	Pages E4, E5, E6, E8
Low voltage downlights	Pages K3, K6
Surface cylinders	Pages L3, L5

kurt versen
Kurt Versen Company Point Source Lighting
Westwood, New Jersey 07675

C23 C7318

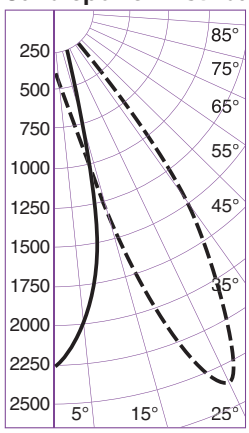
Footcandle Values at Nadir

Distance	5'					10'					15'					20'				
	Nadir	10°		15°		Nadir	10°		15°		Nadir	10°		15°		Nadir	10°		15°	
Lamps	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam
C7318 75W PAR-38/FL	91	57	2'	30	3'	23	14	4'	7	5'	10	6	5'	3	8'	6	4	7'	2	11'
C7318 150W PAR-38/FL	206	128	2'	62	3'	52	32	4'	16	5'	23	14	5'	7	8'	13	8	7'	4	11'

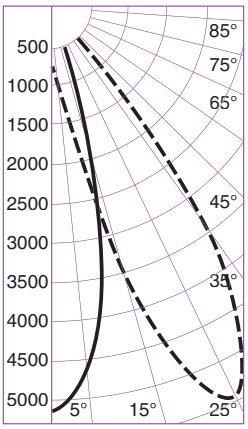
Distance	5'					10'					15'					20'				
	Nadir	5°		10°		Nadir	5°		10°		Nadir	5°		10°		Nadir	5°		10°	
Lamps	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam
C7318 75W PAR-38/SP	156	126	1'	60	2'	39	32	2'	15	4'	17	14	3'	7	5'	10	8	3'	4	7'
C7318 150W PAR-38/SP	360	238	1'	106	2'	90	59	2'	27	4'	40	26	3'	12	5'	22	15	3'	7	7'

See note 4.

Candlepower Distribution



C7318 75W PAR-38/FL
Eff. 66% S/M .43

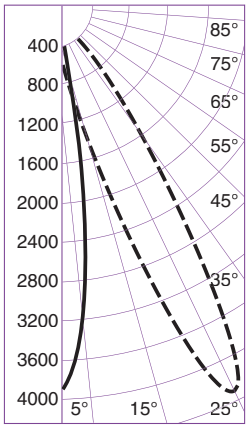


C7318 150W PAR-38/FL
Eff. 63% S/M .42

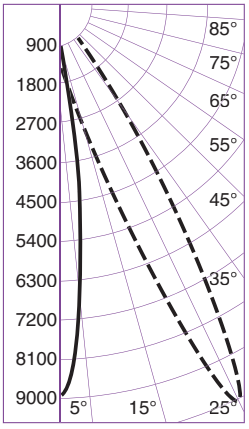
Candelas

o	75W 765*	150W 1740*
0	2279	5160
5	2041	4628
10	1501	3355
15	819	1732
20	365	788
25	171	344
30	61	113
35	19	39
40	8	20
45	0	11
50	0	0
55	0	0
60	0	0
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

o Vertical Angles
* Initial Lamp Lumens



C7318 75W PAR-38/SP
Eff. 67% S/M .30



C7318 150W PAR-38/SP
Eff. 65% S/M .25

o	75W 765*	150W 1740*
0	3909	8992
5	3191	6017
10	1570	2779
15	569	1442
20	217	779
25	149	423
30	69	179
35	29	85
40	11	21
45	0	0
50	0	0
55	0	0
60	0	0
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

o Vertical Angles
* Initial Lamp Lumens

Brightness

Number	Lamps	85°	75°	65°	55°	45°
C7318	75W PAR-38/FL	2	11	20	34	101
	150W PAR-38/FL	4	25	42	83	227

Number	Lamps	85°	75°	65°	55°	45°
C7318	75W PAR-38/SP	2	11	18	34	92
	150W PAR-38/SP	5	26	42	79	226

Data in footlamberts. Photometer readings, Maximum Brightness Method. See note 5. Data collected with lamps tilted 25°.

Notes

1 Data with a clear specular cone.

2 Colored cone multipliers vary with lamp source, beam orientation and degree of angulation. Contact the factory for specific data.

3 Candlepower distribution curves: solid lines show horizontal distribution at nadir, dotted lines show horizontal distribution at 25° lamp tilt.

4 Pattern diameters are determined from each side of nadir with 0° lamp tilt. The diameter includes both sides, so a 10° diameter represents a total 20° pattern width at the floor. Footcandles are measured at the diameter edge. Tilting the lamp changes all data.

5 Brightness data from the Average Luminance Method are inaccurate for downlights. They are theoretical calculations for large surfaces such as troffer lenses. We recommend the stricter standard of Maximum Brightness Method point data from direct photometer readings. They approximate what the human eye perceives when evaluating glare. For more information refer to Z section brochure Z1.