



J1342CP Wide 70°
J1344CP Medium 45°
J1346CP Narrow 27°

4 1/2" Square Downlights with Lens, Chicago Plenum

OPTICS and APPLICATIONS

Downlight LED optical systems are engineered to provide optimal performance while maintaining a quiet ceiling presence. Products are provided standard with a clear Solite lens, providing an even distribution with maximum brightness control.

DESIGN FEATURES - MultiSource® Capable

The shallow housing footprint has been designed to utilize rigid steel parts to protect the LED optical components while providing adequate ventilation for passive cooling. Products are designed with MultiSource® plug and play connectors allowing field conversion to other sources. Components are Zhaga compatible to accommodate future source options. Proprietary heat sinks ensure proper temperatures are maintained. Service from below only. Maximum ceiling thickness is 3/4".

DRIVERS

Dimming is standard 0-10V/10%. Rated life is 50,000 hours at 70% lumen output.

FINISH

Standard trim is anodized Softglow® clear. SoftSheen™ is a new finish that lowers apparent brightness due to remote phosphor sources. Colors available, see options below. Steel parts are phosphate conditioned then painted matte black to suppress light leaks.

GENERAL

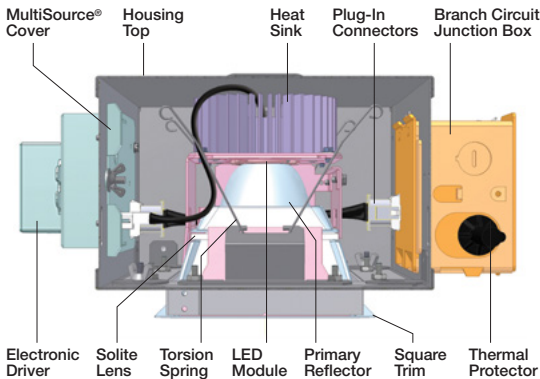
Fixture is CCEA approved for Chicago Plenum application and is pre-wired and thermal protected. CSA certified to US and Canadian safety standards. Suitable for wet location covered ceiling mount only. Approved for eight wire 90°C branch circuit wiring. All products are union made. Designed and manufactured in the USA.

WARRANTY

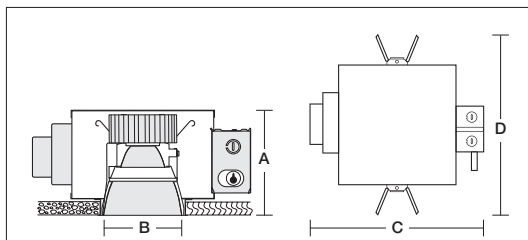
5 Year Warranty. See www.kurtversen.com for details or select hyperlink.

ENERGY INFORMATION

Fixture	Source Lumens	Xicato XTM, 80 CRI			Cree, 80 CRI		
		Delivered Lumens	System Watts	lm/W	Delivered Lumens	System Watts	lm/W
J1342CP	1100	769	12	64.0	678	8.5	79.7
	1500	1084	17	64.0	1034	11.5	89.9
	2100	1553	24	65.0	1559	16.4	95.0
J1344CP	1100	863	12	72.0	659	8.5	77.5
	1500	1216	17	72.0	1006	11.5	87.5
	2100	1703	24	71.0	1533	16.4	93.5
J1346CP	1100	865	12	72.0	655	8.5	77.1
	1500	1249	17	73.0	1000	11.5	86.9
	2100	1748	24	73.0	1507	16.4	91.9



DIMENSIONS



Number	A Depth	B Aperture	C Width*	D Length
J1342CP J1344CP J1346CP	6 1/4" 159mm	4 1/2" 114mm	13 1/8" 333mm	13 3/4" 349mm

ORDERING GUIDE

Base Specification (required) Example: J1344CP-213012D					Options (optional)						
Model	Source Lumens	Kelvin	Volts	Dimming	CRI	Trim Finish	Trim Color	Trim Paint	Flush Mount	Fuse	Support Rails
J1342CP Wide	11 1100	27 2700K	12 120V	D Standard 0-10V, to 10%.	Standard 80 CRI	Standard	Standard Clear (C)	Standard clear	Standard with flange	F Fuse.	R2 26"
J1344CP Medium	15 1500	30 3000K	27 277V	DM1 0-10V to 1%.	90 90 CRI	Softglow® (S)	B Black	WT White Flange.	with flange		R5 52"
J1346CP Narrow	21 2100	35 3500K 40 4000K		D1 Hi-lume 1% 3-wire LED driver DE Hi-lume 1% EcoSystem LED driver. DALI to 1%. DM01 0-10V to .1%.	XTM 83 CRI AS ¹ 98 CRI VS8 ² Vibrant 83 CRI VS9 ³ Vibrant 95 CRI	SS SoftSheen™	G Gold W Wheat Y Pewter	WHT White trim, complete. BT Black Flange.	FMH4 Flush mount drywall.		Products designated FMH4 provided with FMBKT

OPTION NOTES

1. Xicato® Artist Series® 98 +/-3 CRI modules up to 1500 lm. Contact factory for energy information.
2. Xicato® Vibrant Series™, 83 CRI, 3000K only. Contact factory for energy information.
3. Xicato® Vibrant Series™, 95 CRI up to 1500 lm, 3000K only. Contact factory for energy information.



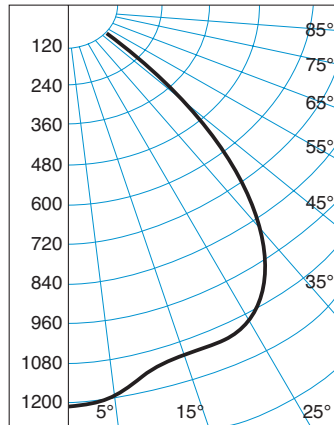
J1342CP Wide 70°

Cut out dimensions: 5^{7/32}". Outer flange dimension: 5^{5/8}".

Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane				
J1342CP Xicato® 2100 lm 3000K Read Top Data							Ceiling 80%	Walls 50%	Floor 20%		
Nadir	10°		20°		30°	Spacing is Maximum Over Work Plane					
FC	FC	Diam	FC	Diam	FC	Diam	Spacing	RCR 1	RCR 3	RCR 8	
40	36	2'	31	4'	19	6'	8'	6'	45	38	26
22	19	3'	17	5'	10	9'	10'	8'	24	20	14
13	12	3'	10	7'	6	11'	12'	11'	15	13	9
9	8	4'	7	8'	4	13'	14'	13'	10	9	6
7	6	5'	5	10'	3	16'	16'	15'	7	6	4

Candlepower Distribution



J1342CP Xicato® 2100 lm 3000K
S/M 1.12
Luminous efficacy 65.0

Candelas

°	24W
	1553*
0	1216
5	1186
10	1147
15	1131
20	1133
25	1102
30	882
35	597
40	389
45	229
50	117
55	46
60	21
65	12
70	9
75	0
80	0
85	0
90	0

°Vertical Angles
*Luminaire Lumens

Notes

- 1 Photometric Reports: J1342CP 2100 lm KV Report No. 103014-01
- 2 Softglow® colored cone multipliers, contact factory.
- 3 SoftSheen™ cone multipliers, contact factory.
- 4 Single unit Datachart pattern diameters are determined by the number of degrees from each side of nadir. Therefore a 15° diameter represents a total 30° pattern width at the work plane. Footcandle values are at the edge of that diameter.
- 5 The luminous efficacy (lm/W) refers to the total measured luminous flux (lumens) of the fixture divided by the total measured electrical input power (watts) of the complete fixture.

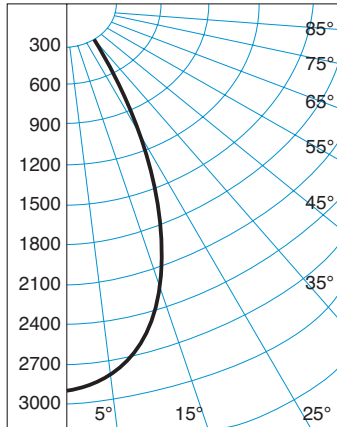
J1344CP Medium 45°

Cut out dimensions: 5⁷/₃₂". Outer flange dimension: 5⁵/₈".

Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane			
J1344CP Xicato® 2100 lm 3000K Read Top Data								Ceiling 80% Walls 50% Floor 20%			
Nadir		10°		20°		30°		Spacing is Maximum Over Work Plane			
FC	FC	Diam	FC	Diam	FC	Diam		Spacing	RCR 1	RCR 3	RCR 8
68	59	2'	33	5'	10	8'	9'	5'	86	76	58
32	27	3'	16	7'	5	11'	12'	7'	40	36	27
22	19	4'	11	8'	3	13'	14'	8'	28	24	19
16	14	5'	8	10'	2	16'	16'	10'	20	18	14
12	10	5'	6	11'	2	18'	18'	11'	15	13	10

Candlepower Distribution



J1344CP Xicato® 2100 lm 3000K
S/M .72
Luminous efficacy 71.0

Candelas

°	24W
	1703*
0	2892
5	2808
10	2592
15	2223
20	1699
25	1163
30	670
35	317
40	141
45	58
50	34
55	22
60	14
65	0
70	0
75	0
80	0
85	0
90	0

°Vertical Angles
*Luminaire Lumens

Notes

- 1 Photometric Reports: J1344CP 2100 lm KV Report No. 111014-01
- 2 Specular colored cone multipliers, contact factory.
- 3 SoftSheen™ cone multiplier and Softglow® cone multiplier, contact factory.
- 4 Single unit Datachart pattern diameters are determined by the number of degrees from each side of nadir. Therefore a 15° diameter represents a total 30° pattern width at the work plane. Footcandle values are at the edge of that diameter.
- 5 The luminous efficacy (lm/W) refers to the total measured luminous flux (lumens) of the fixture divided by the total measured electrical input power (watts) of the complete fixture.

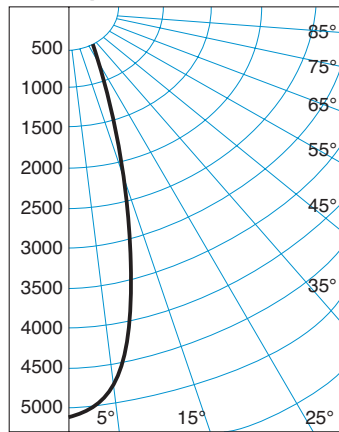
J1346CP Narrow 27°

Cut out dimensions: 5⁷/₃₂". Outer flange dimension: 5⁵/₈".

Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane				
J1346CP Xicato® 2100 lm 3000K Read Top Data							Ceiling 80% Walls 50% Floor 20%				
Nadir	5°		15°		25°		Spacing is Maximum Over Work Plane				
FC	FC	Diam	FC	Diam	FC	Diam	Spacing	RCR 1	RCR 3	RCR 8	
57	52	2'	21	5'	8	9'	12'	4'	103	92	71
39	35	2'	14	6'	5	11'	14'	5'	70	62	49
28	26	2'	10	7'	4	13'	16'	6'	51	45	35
21	19	3'	8	8'	3	14'	18'	7'	39	34	27
17	15	3'	6	9'	2	16'	20'	8'	30	27	21

Candlepower Distribution



J1346CP Xicato® 2100 lm 3000K
S/M .46
Luminous efficacy 73.0

Candelas

°	24W
	1748*
0	5165
5	4737
10	3470
15	2113
20	1343
25	951
30	600
35	289
40	129
45	51
50	32
55	23
60	16
65	15
70	0
75	0
80	0
85	0
90	0

°Vertical Angles
*Luminaire Lumens

Notes

- 1 Photometric Reports: J1346CP 2100 lm KV Report No. 100914-01
- 2 Softglow® colored cone multipliers, contact factory.
- 3 SoftSheen™ cone multipliers, contact factory.
- 4 Single unit Datachart pattern diameters are determined by the number of degrees from each side of nadir. Therefore a 15° diameter represents a total 30° pattern width at the work plane. Footcandle values are at the edge of that diameter.
- 5 The luminous efficacy (lm/W) refers to the total measured luminous flux (lumens) of the fixture divided by the total measured electrical input power (watts) of the complete fixture.