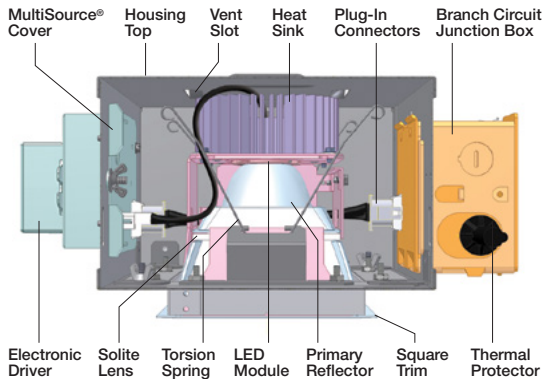




**J1342** Wide 70°  
**J1344** Medium 45°  
**J1346** Narrow 27°

4 1/2" Square Downlights with Lens



**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 pre-wired and thermal protected. CSA certified to US and Canadian standards. Suitable for wet locations covered ceiling mount only. Approved for eight wire 90°C branch circuit wiring. All products are union made. Designed and manufactured in the USA.

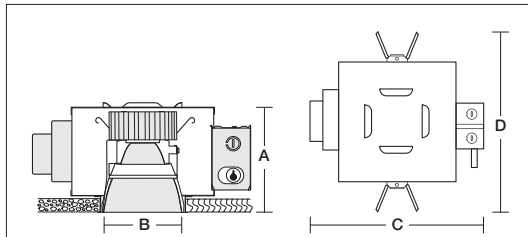
**WARRANTY**

5 Year Warranty. See [www.kurtversen.com](http://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
J1342	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
J1344	2800	1975	33	60.0	2033	22.1	92.0
	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
J1346	2800	2170	33	66.0	2109	22.1	95.4
	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
	2800	2169	33	65.0	1966	22.1	89.0

**DIMENSIONS**



Number	A Depth	B Aperture	C Width*	D Length
J1342	6 1/4"	4 1/2"	13 1/8"	13 3/4"
J1344	159mm	114mm	333mm	349mm
J1342	8 7/8"	4 1/2"	15 2/8"	16 1/8"
J1344	225mm	114mm	396mm	410mm
J1346				

\*Open housing top construction

**ORDERING GUIDE**

Base Specification (required)				Options (optional)									
Example: J1344-213012D													

Model	Source Lumens	Kelvin	Volts	Dimming	CRI	Trim Finish	Trim Color	Trim Paint	Flush Mount	Fuse	EM	Support Rails
J1342 Wide	11 1100	27 2700K	12 120V	D Standard 0-10V, to 10%.	Standard 80 CRI	Standard	Standard Clear (C)	Standard clear	Standard	F <sup>4</sup> Fuse.	REM Remote EM. Includes battery pack, charger light, test switch for 90 minutes. Remote mount only. Ceiling access required.	R2 26" R5 52"
J1344 Medium	15 1500	30 3000K	27 277V	DM1 0-10V to 1%.	90 90 CRI XTM 83 CRI AS <sup>1</sup> 98 CRI	Softglow® (S) SS SoftSheen™	B Black G Gold W Wheat Y Pewter	WT White Flange. WHT White trim, complete. BT Black Flange.	Standard with flange FMH4 Flush mount drywall.			Products designated FMH4 provided with FMBKT
J1346 Narrow	21 2100 28 2800	35 3500K 40 4000K		D1 Hi-lume 1% 3-wire LED driver DE Hi-lume 1% EcoSystem LED driver. DALI DMO1 0-10V to 1%. DMX DMX Enabled.	VS8 <sup>2</sup> Vibrant 83 CRI VS9 <sup>3</sup> Vibrant 95 CRI							

**OPTION NOTES**

- Xicato® Artist Series® 98 +/-3 CRI modules up to 2800 lm. Contact factory for energy information.
- Xicato® Vibrant Series™, 83 CRI, 3000K only. Contact factory for energy information.
- Xicato® Vibrant Series™, 95 CRI up to 2800 lm, 3000K only. Contact factory for energy information.
- Not available with REM option.



 = Available for Velocity Quick Ship Program



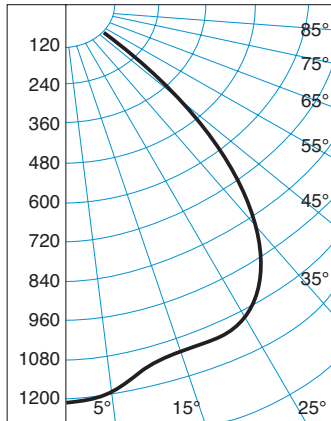
# J1342 Wide 70°

Cut out dimensions: 5<sup>7</sup>/<sub>32</sub>". Outer flange dimension: 5<sup>5</sup>/<sub>8</sub>".

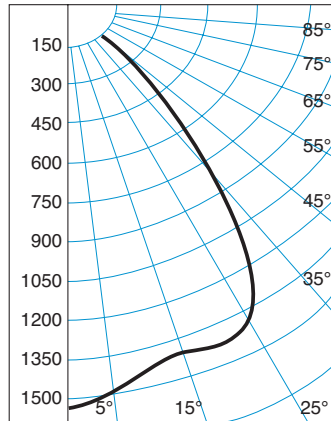
## Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane				
J1342 Xicato® 2100 lm 3000K Read Top Data							Ceiling 80% Walls 50% Floor 20%				
J1342 Xicato® 2800 lm 3000K Read Bottom Data							Spacing is Maximum Over Work Plane				
Nadir	10°		20°		30°		Spacing	RCR 1	RCR 3	RCR 8	
FC	FC	Diam	FC	Diam	FC	Diam					
40	36	2'	31	4'	19	6'	8'	6'	45	38	26
51	45	2'	39	4'	24	6'		6'	55	47	32
22	19	3'	17	5'	10	9'	10'	8'	24	20	14
27	24	3'	21	5'	13	9'		9'	30	25	17
13	12	3'	10	7'	6	11'	12'	11'	15	13	9
17	15	3'	13	7'	8	11'		11'	19	16	11
9	8	4'	7	8'	4	13'	14'	13'	10	9	6
12	10	4'	9	8'	6	13'		13'	13	11	7
7	6	5'	5	10'	3	16'	16'	15'	7	6	4
8	7	5'	6	10'	4	16'		15'	9	8	5

## Candlepower Distribution



J1342 Xicato® 2100 lm 3000K  
S/M 1.12  
Luminous efficacy 65.0



J1342 Xicato® 2800 lm 3000K  
S/M 1.14  
Luminous efficacy 60.0

## Candelas

°	24W	33W
	1553*	1975*
0	1216	1533
5	1186	1494
10	1147	1429
15	1131	1401
20	1133	1414
25	1102	1407
30	882	1132
35	597	776
40	389	513
45	229	305
50	117	149
55	46	56
60	21	26
65	12	17
70	9	0
75	0	0
80	0	0
85	0	0
90	0	0

°Vertical Angles  
\*Luminaire Lumens

## Notes

- 1 Photometric Reports: J1342 2100 lm KV Report No. 103014, J1342 2800 lm KV Report No. 120214.
- 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.

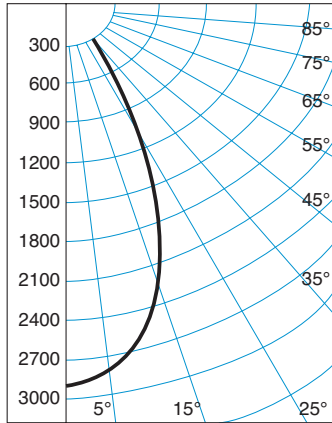
# J1344 Medium 45°

Cut out dimensions: 5<sup>7</sup>/<sub>32</sub>". Outer flange dimension: 5<sup>5</sup>/<sub>8</sub>".

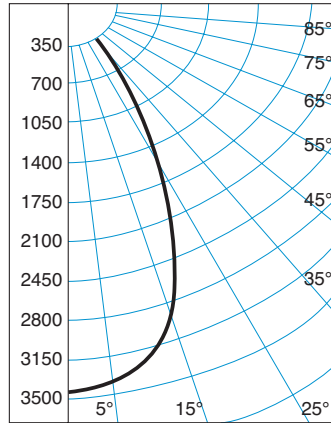
## Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane			
J1344 Xicato® 2100 lm 3000K Read Top Data								Ceiling 80% Walls 50% Floor 20%			
J1344 Xicato® 2800 lm 3000K Read Bottom Data								Spacing is Maximum Over Work Plane			
Nadir	10°		20°		30°			Spacing	RCR 1	RCR 3	RCR 8
FC	FC	Diam	FC	Diam	FC	Diam					
68	59	2'	33	5'	10	8'	9'	5'	86	76	58
82	73	2'	45	5'	13	8'		5'	94	83	63
32	27	3'	16	7'	5	11'	12'	7'	40	36	27
38	34	3'	21	7'	6	11'		7'	44	39	30
22	19	4'	11	8'	3	13'	14'	8'	28	24	19
26	23	4'	14	8'	4	13'		9'	30	26	20
16	14	5'	8	10'	2	16'	16'	10'	20	18	14
19	17	5'	10	10'	3	16'		11'	22	19	15
12	10	5'	6	11'	2	18'	18'	11'	15	13	10
14	13	5'	8	11'	2	18'		12'	16	15	11

## Candlepower Distribution



J1344 Xicato® 2100 lm 3000K  
S/M .72  
Luminous efficacy 71.0



J1344 Xicato® 2800 lm 3000K  
S/M .78  
Luminous efficacy 66.0

## Candelas

°	24W	33W
	1703*	2170*
0	2892	3457
5	2808	3378
10	2592	3230
15	2223	2912
20	1699	2282
25	1163	1542
30	670	827
35	317	368
40	141	149
45	58	62
50	34	40
55	22	28
60	14	19
65	0	13
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

°Vertical Angles  
\*Luminaire Lumens

## Notes

- 1 Photometric Reports: J1344 2100 lm KV Report No. 111014, J1344 2800 lm KV Report No. 120214.
- 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.

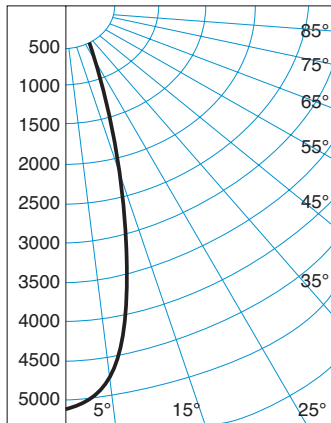
# J1346 Narrow 27°

Cut out dimensions: 5<sup>7</sup>/<sub>32</sub>". Outer flange dimension: 5<sup>5</sup>/<sub>8</sub>".

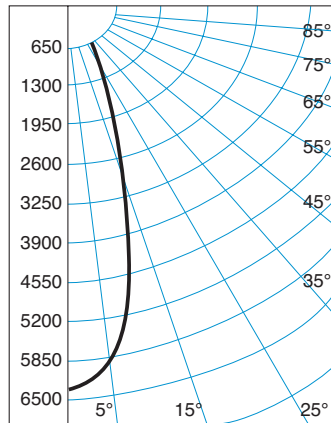
## Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane			
J1346 Xicato® 2100 lm 3000K Read Top Data								Ceiling 80% Walls 50% Floor 20%			
J1346 Xicato® 2800 lm 3000K Read Bottom Data								Spacing is Maximum Over Work Plane			
Nadir		5°		15°		25°					
FC	FC	Diam	FC	Diam	FC	Diam					
57	52	2'	21	5'	8	9'	12'	4'	103	92	71
70	64	2'	28	5'	10	9'		5'	117	104	82
39	35	2'	14	6'	5	11'	14'	5'	70	62	49
48	44	2'	19	6'	7	11'		6'	80	71	56
28	26	2'	10	7'	4	13'	16'	6'	51	45	35
35	32	2'	14	7'	5	13'		6'	58	52	41
21	19	3'	8	8'	3	14'	18'	7'	39	34	27
26	24	3'	10	8'	4	14'		7'	44	39	31
17	15	3'	6	9'	2	16'	20'	8'	30	27	21
21	19	3'	8	9'	3	16'		8'	34	31	24

## Candlepower Distribution



J1346 Xicato® 2100 lm 3000K  
S/M .46  
Luminous efficacy 73.0



J1346 Xicato® 2800 lm 3000K  
S/M .48  
Luminous efficacy 66.0

## Candelas

	24W	33W
o	1748*	2169*
0	5165	6338
5	4737	5868
10	3470	4473
15	2113	2778
20	1343	1712
25	951	1184
30	600	703
35	289	326
40	129	133
45	51	55
50	32	37
55	23	27
60	16	18
65	15	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

°Vertical Angles  
\*Luminaire Lumens

## Notes

- 1 Photometric Reports: J1346 2100 lm KV Report No. 100914, J1346 2800 lm KV Report No. 120814.
- 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.