

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

4 1/2" Square Downlights with Lens
 4000 and 5000 lumen
 Xicato®

OPTICS and APPLICATIONS

Higher lumen downlighting LED optical systems are engineered to provide optimal performance while maintaining a quiet ceiling presence. Products are provided standard with a clear Solite lens in three beam distributions to meet different ceiling heights or design objectives, providing an even distribution with maximum brightness control.

DESIGN FEATURES - MultiSource® Capable

The open housing top construction has been designed to utilize rigid steel parts to protect the LED 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 1 1/2".

MODULES and DRIVERS

Xicato® modules provide excellent even, stable color and increased fixture efficiencies. The LED module holds color consistency within 1x2 MacAdam Ellipses. Standard 83 CRI. 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.

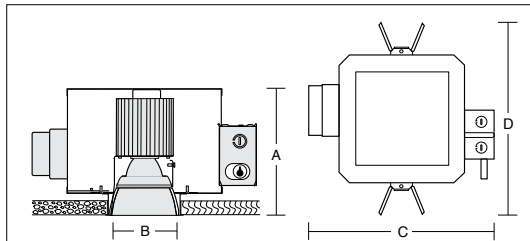
GENERAL

Fixture is pre-wired and thermal protected. UL and/or 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 for details or select hyperlink.

DIMENSIONS and SOURCES



Number	A Height	B Aperture	C Width	D Length	LED Module
J1342	8 7/8"	4 1/2"	15 2/3"	16 1/8"	4000 lm and 5000 lm
J1344	159mm	114mm	333mm	349mm	Xicato®
J1346					

Open housing top construction

ENERGY INFORMATION

Fixture	Module Lumens	Delivered Lumens*	System Watts	lm/W
J1342	4000	2796	45	62.1
	5000	3526	56	62.9
J1344	4000	3100	45	55.4
	5000	3875	56	69.2
J1346	4000	3098	45	68.8
	5000	3873	56	69.2

*Estimated Delivered Lumens

ORDERING GUIDE

Base Specification (required) Example: J1344-403012D				Options (optional)									
Model	Source Lumens	Kelvin	Volts	Dimming	CRI	Trim Finish	Trim Color	Trim Paint	Flush Mount	Fuse	EM	Support Rails	
J1342 Wide	40 4000	27 2700K	12 120V	D Standard 0-10V, to 10%.	Standard 83 CRI	Standard Softglow® (S)	Standard Clear (C)	Standard clear.	Standard with flange	F ³ Fuse.	REM Remote EM. Includes battery pack, charger light, test switch for 90 minutes. Remote mount only. Ceiling access required.	R2 26"	
J1344 Medium	50 5000	30 3000K	27 277V	D1' Hi-lume 1% 3-wire LED driver	VS8 ² Vibrant 83 CRI.	SS SoftSheen™	B Black G Gold W Wheat Y Pewter	WT White Flange. WHT White trim, complete. BT Black Flange.	FMH4 Flush mount drywall.			R5 52"	
J1346 Narrow	35 3500K 40 4000K	35 3500K 40 4000K		DE' Hi-Lume 1% EcoSystem LED driver. to 1%. DM1 0-10V to 1%. DM01 0-10V to .1%. DMX' DMX Enabled.								Products designated FMH4 provided with FMBKT	

OPTION NOTES

1. Available with 4000 lumens option only.
2. Vibrant Series™, 83 CRI, 3000K only. Contact factory for energy information.
3. Not available with REM option.

Rev4 Date 7/9/2018



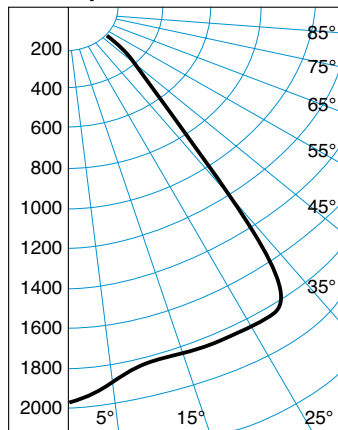
J1342 Wide 70°

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

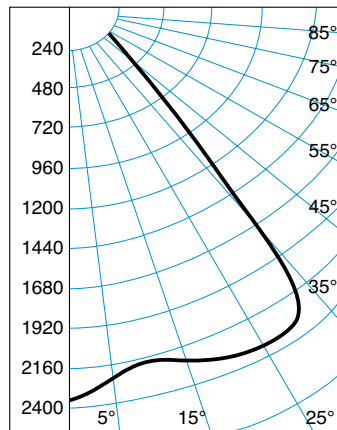
Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane				Ceiling to Floor				Multiple Units Initial Footcandles, 30" Work Plane			
J1342 Xicato® 4000 lm 3000K Read Top Data								Ceiling 80% Walls 50% Floor 20%			
J1342 Xicato® 5000 lm 3000K Read Bottom Data								Spacing is Maximum Over Work Plane			
Nadir		10°		20°		30°		Spacing	RCR 1	RCR 3	RCR 8
FC	Diam	FC	Diam	FC	Diam	FC	Diam				
65	58 2'	51 4'	39 6'	8'	7'	64	54	37			
78	70 2'	61 4'	48 6'		7'	83	71	48			
47	41 2'	36 5'	28 8'	9'	8'	46	39	26			
56	50 2'	44 5'	34 8'		8'	60	51	34			
35	31 3'	27 5'	21 9'	10'	9'	35	29	20			
42	38 3'	33 5'	26 9'		9'	45	38	26			
27	24 3'	21 6'	16 10'	11'	11'	27	23	15			
33	29 3'	26 6'	20 10'		10'	35	30	20			
22	19 3'	17 7'	13 11'	12'	12'	22	18	12			
26	23 3'	21 7'	16 11'		11'	28	24	16			

Candlepower Distribution



J1342 Xicato® 4000 lm 3000K
S/M 1.24
Luminous efficacy 60.0



J1342 Xicato® 5000 lm 3000K
S/M 1.24
Luminous efficacy 59.0

Candelas

o	45W	56W
	2717*	3297*
0	1968	2368
5	1877	2261
10	1835	2216
15	1823	2205
20	1846	2234
25	1822	2211
30	1833	2244
35	1040	1278
40	683	828
45	408	491
50	212	255
55	87	102
60	43	51
65	25	31
70	18	21
75	12	13
80	0	0
85	0	0
90	0	0

o Vertical Angles
*Luminaire Lumens

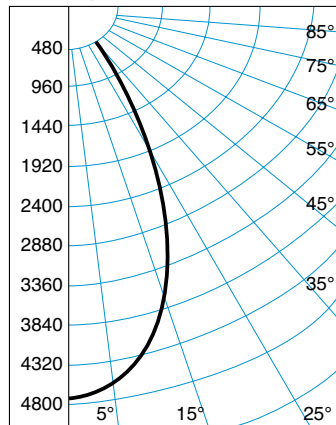
Notes

- 1 Photometric Reports: J1342 4000 lm KV Report No. 11017, J1342 5000 lm KV Report No. 10917A.
- 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.

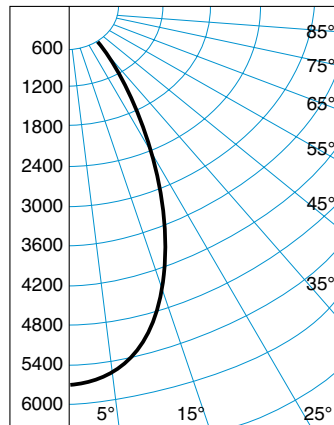
Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane					Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane				
J1344 Xicato® 4000 lm 3000K Read Top Data J1344 Xicato® 5000 lm 3000K Read Bottom Data							Ceiling 80% Walls 50% Floor 20%				
Nadir							Spacing is Maximum Over Work Plane				
10°											
20°											
30°											
FC	FC	Diam	FC	Diam	FC	Diam	Spacing	RCR 1	RCR 3	RCR 8	
156	133	2'	79	4'	31	6'	8'	4'	199	176	132
191	162	2'	96	4'	38	6'		4'	243	213	160
112	95	2'	57	5'	22	8'	9'	5'	143	126	95
136	116	2'	69	5'	27	8'		5'	174	152	115
84	72	3'	43	5'	17	9'	10'	6'	107	94	71
102	87	3'	52	5'	20	9'		6'	131	114	86
65	56	3'	33	6'	13	10'	11'	6'	83	74	55
80	68	3'	40	6'	16	10'		6'	102	89	67
52	45	3'	27	7'	10	11'	12'	7'	67	59	44
64	54	3'	32	7'	13	11'		7'	82	71	54

Candlepower Distribution



J1344 Xicato® 4000 lm 3000K
S/M .74
Luminous efficacy 67.0



J1344 Xicato® 5000 lm 3000K
S/M .74
Luminous efficacy 65.0

Candelas

°	45W	56W
	2999*	3631*
0	4732	5763
5	4513	5496
10	4223	5141
15	3618	4397
20	2888	3507
25	2022	2442
30	1451	1748
35	541	646
40	245	299
45	125	152
50	83	100
55	56	66
60	35	42
65	23	27
70	16	18
75	11	12
80	0	0
85	0	0
90	0	0

°Vertical Angles
*Luminaire Lumens

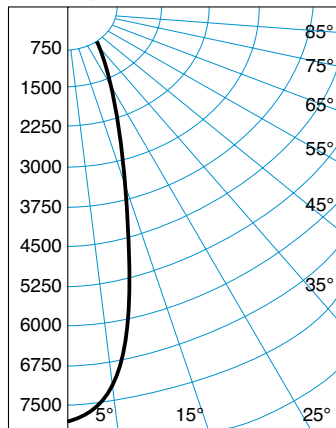
Notes

- 1 Photometric Reports: J1344 4000 lm KV Report No. 10917C, J1344 5000 lm KV Report No. 10917B.
- 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.

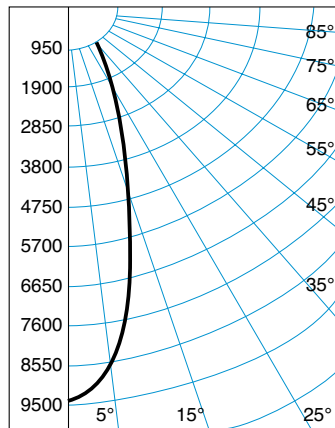
Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane			
J1346 Xicato® 4000 lm 3000K Read Top Data								Ceiling 80% Walls 50% Floor 20%			
J1346 Xicato® 5000 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					
256	168	2'	65	4'	26	6'	8'	3'	504	449	348
312	205	2'	79	4'	32	6'		3'	573	506	392
183	120	2'	46	5'	19	8'	9'	3'	361	322	249
224	147	2'	57	5'	23	8'		3'	410	362	281
138	90	3'	35	5'	14	9'	10'	3'	271	242	187
168	110	3'	43	5'	17	9'		4'	308	272	211
107	70	3'	27	6'	11	10'	11'	4'	211	188	146
131	86	3'	33	6'	13	10'		4'	240	212	164
86	56	3'	22	7'	9	11'	12'	4'	169	151	117
105	69	3'	27	7'	11	11'		5'	192	169	131

Candlepower Distribution



J1346 Xicato® 4000 lm 3000K
S/M .46
Luminous efficacy 65.0



J1346 Xicato® 5000 lm 3000K
S/M .48
Luminous efficacy 66.0

Candelas

°	45W	56W
	2934*	3588*
0	7749	9445
5	6954	8483
10	5319	6495
15	3397	4138
20	2355	2893
25	1609	1976
30	1217	1493
35	474	592
40	224	275
45	117	142
50	80	97
55	55	66
60	37	43
65	24	28
70	17	19
75	11	12
80	0	0
85	0	0
90	0	0

°Vertical Angles
*Luminaire Lumens

Notes

- 1 Photometric Reports: J1346 4000 lm KV Report No. 10917D, J1346 5000 lm KV Report No. 10917E.
- 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.