


J312 Wide 53°

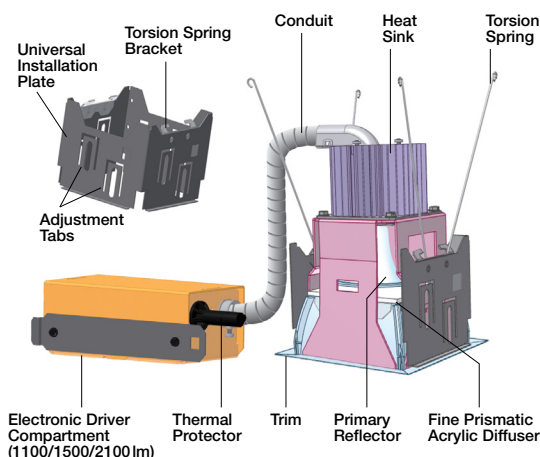
J314 Medium 40°

J316 Narrow 33°

3 1/2" Square Downlights with Lens

1100, 1500 and 2100 lumen

Xicato®



DIMENSIONS and SOURCES

Number	A Height*	B Aperture	Initial Lumens
J312 J314 J316	6 3/4" 171mm	3 1/2" 89mm	1100 lm, 1500 lm or 2100 lm Xicato®

*Plenum clearance required for installation: 8".

OPTICS and APPLICATIONS

This square downlight with lens provides the aesthetic appeal of a small aperture while maintaining deep shielding and glare control. Ceiling materials must be rigid to support fixture frame. See ordering guide for tile ceiling mounting tray and flush mount options. Use for general downlighting applications where installation from below is required.

DESIGN FEATURES - MultiSource® Capable

A universal installation plate is provided separate, is the same for all fixture functions and installs directly into the ceiling. Tool-less adjustment tabs easily secure and accommodate all hard ceiling types and thicknesses from 3/8"–1 1/2". The plate allows for installation and serviceability from below the ceiling without jeopardizing the integrity of the ceiling. 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 passive heatsinks ensure proper temperatures are maintained.

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 damp locations. 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	Module Lumens	Delivered Lumens	System Watts	lm/W
J312	1100	653	13	50.0
	1500	897	18	50.0
	2100	1215	24	51.0
J314	1100	661	13	51.0
	1500	925	18	51.0
	2100	1190	24	50.0
J316	1100	778	13	60.0
	1500	1010	18	56.0
	2100	1326	24	55.0

ORDERING GUIDE

Base Specification (required) Example: J314-213012D					Options (optional)				
Model	Source Lumens	Kelvin	Volts	Dimming	CRI	Trim Finish	Trim Color	Trim Paint	Mounting
J312 Wide	11 1100	27 2700K	12 120V	D Standard 0-10V, to 10%.	Standard 83 CRI	Standard Softglow® (S)	Standard Clear (C)	Standard clear	Standard IFB with flange
J314 Medium	15 1500	30 3000K	27 277V	D1 Hi-lume 1% 3-wire LED driver	AS ¹ 98 CRI.	SS SoftSheen™	B Black	WT White Flange.	TC Tile ceiling mounting tray.
J316 Narrow	21 2100	35 3500K		DE Hi-lume 1% EcoSystem LED driver to 1%.	VS ⁸ Vibrant 83 CRI.		G Gold	WHT White trim, complete.	FMH3 Flush mount drywall.
		40 4000K		DALI 0-10V to 1%.	VS ⁹ Vibrant 95 CRI.		W Wheat		
				DM1 0-10V to 1%.			Y Pewter		
				DM01 0-10V to .1%.					

OPTION NOTES

- Artist Series® 98 +/-3 CRI modules. Contact factory for energy information.
- Vibrant Series™, 83 CRI, 3000K only. Contact factory for energy information.
- Vibrant Series™, 95 CRI, 3000K only. Contact factory for energy information.

Rev3 Date 6/14/2018

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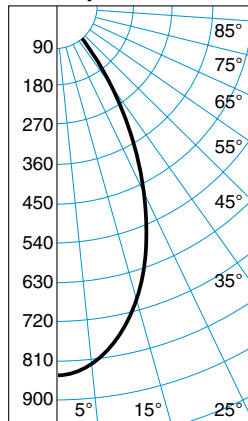
HUBBELL
Lighting

Performance Datachart

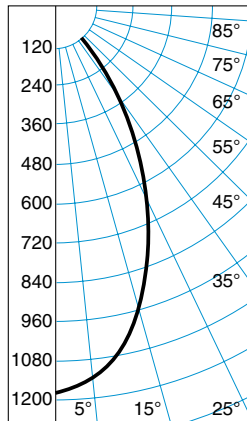
Single Unit Initial Footcandles, 30" Work Plane							Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane			
J312 Xicato® 1100 lm 3000K Read Top Data								Ceiling 80% Walls 50% Floor 20%			
J312 Xicato® 1500 lm 3000K Read Bottom Data								Spacing is Maximum Over Work Plane			
Nadir		10°		20°		30°					
FC	FC	Diam	FC	Diam	FC	Diam		Spacing	RCR 1	RCR 3	RCR 8
28 39	24 34	2' 2'	16 22	4' 4'	7 9	6' 6'	8'	5' 5'	34 49	29 43	22 31
20 28	17 24	2' 2'	11 16	5' 5'	5 7	8' 8'	9'	5' 5'	24 35	21 31	16 22
15 21	13 18	3' 3'	9 12	5' 5'	4 5	9' 9'	10'	6' 6'	18 26	16 23	12 17
12 16	10 14	3' 3'	7 9	6' 6'	3 4	10' 10'	11'	7' 7'	14 20	12 18	9 13
9 13	8 11	3' 3'	5 7	7' 7'	2 3	11' 11'	12'	8' 8'	11 16	10 14	7 10

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane				
J312 Xicato® 2100 lm 3000K							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
53	46	2'	30	4'	12	6'	8'	5'	66	57	42
38	33	2'	22	5'	9	8'	9'	5'	47	41	30
28	25	3'	16	5'	7	9'	10'	6'	36	31	23
22	19	3'	13	6'	5	10'	11'	7'	28	24	18
18	15	3'	10	7'	4	11'	12'	8'	22	19	14

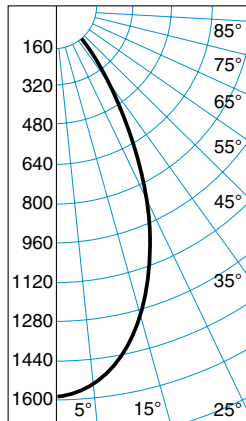
Candlepower Distribution



J312 Xicato® 1100 lm
3000K S/M.84
Luminous efficacy 50.0



J312 Xicato® 1500 lm
3000K S/M.82
Luminous efficacy 50.0



J312 Xicato® 2100 lm
3000K S/M.82
Luminous efficacy 51.0

Candelas

	13W	18W	24W
o	653*	897*	1215*
0	840	1174	1592
5	818	1141	1547
10	770	1069	1449
15	690	954	1294
20	585	809	1096
25	467	639	862
30	317	433	582
35	194	263	351
40	98	132	174
45	41	56	74
50	19	26	34
55	11	15	19
60	8	11	13
65	0	0	9
70	0	0	7
75	0	0	0
80	0	0	0
85	0	0	0
90	0	0	0

o Vertical Angles
* Luminaire Lumens

Notes

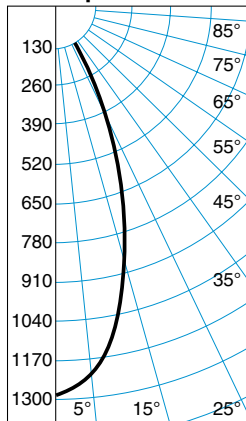
- 1 Photometric Reports:
J312 1100 lm KV Report No. 81414, 1500 lm KV Report No. 81114-B, 2100 lm KV Report No. 80514-A.
- 2 Datachart degree headings show one side of nadir. Diameter data includes both sides. Therefore the 10° column shows a 20° pattern diameter at the work plane. Footcandle values are at the diameter edge.
- 3 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

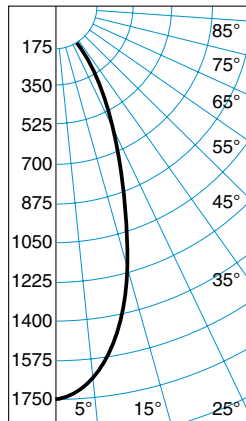
Single Unit Initial Footcandles, 30" Work Plane							Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane														
J314 Xicato® 1100 lm 3000K Read Top Data									Ceiling 80% Walls 50% Floor 20%														
J314 Xicato® 1500 lm 3000K Read Bottom Data									Spacing is Maximum Over Work Plane														
Nadir		10°		20°		30°			Spacing		RCR 1		RCR 3		RCR 8								
FC		FC		Diam		FC		Diam		FC		Diam											
30		25		2'		13		5'		3		8'		9'		4'		40		36		27	
41		34		2'		17		5'		5		8'				4'		56		49		38	
23		19		3'		9		5'		3		9'		10'		5'		30		27		21	
31		25		3'		13		5'		4		9'				5'		42		37		28	
18		14		3'		7		6'		2		10'		11'		6'		24		21		16	
24		20		3'		10		6'		3		10'				6'		33		29		22	
14		12		3'		6		7'		2		11'		12'		6'		19		17		13	
19		16		3'		8		7'		2		11'				6'		26		23		18	
10		8		4'		4		8'		1		13'		14'		8'		13		11		9	
13		11		4'		6		8'		2		13'				8'		18		16		12	

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane				
J314 Xicato® 2100 lm 3000K							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
55	44	2'	22	5'	6		8'	9'	4'	72	63
41	33	3'	17	5'	5	9'	10'	5'	54	48	36
32	26	3'	13	6'	4	10'	11'	6'	42	37	28
26	21	3'	11	7'	3	11'	12'	6'	34	30	23
17	14	4'	7	8'	2	13'	14'	8'	23	20	15

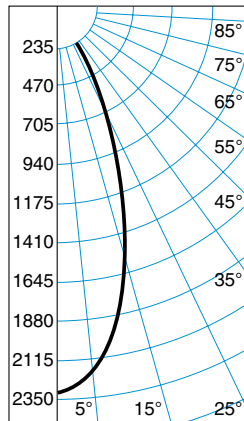
Candlepower Distribution



J314 Xicato® 1100 lm
3000K S/M .66
Luminous efficacy 51.0



J314 Xicato® 1500 lm
3000K S/M .66
Luminous efficacy 51.0



J314 Xicato® 2100 lm
3000K S/M .66
Luminous efficacy 50.0

Candelas

	13W	18W	24W
°	661*	925*	1190*
0	1287	1751	2312
5	1234	1685	2212
10	1094	1499	1960
15	883	1217	1582
20	640	891	1145
25	409	575	730
30	222	315	397
35	110	160	197
40	57	82	101
45	30	42	52
50	18	25	31
55	11	15	19
60	8	11	13
65	0	10	10
70	0	0	7
75	0	0	0
80	0	0	0
85	0	0	0
90	0	0	0

° Vertical Angles
* Luminaire Lumens

Notes

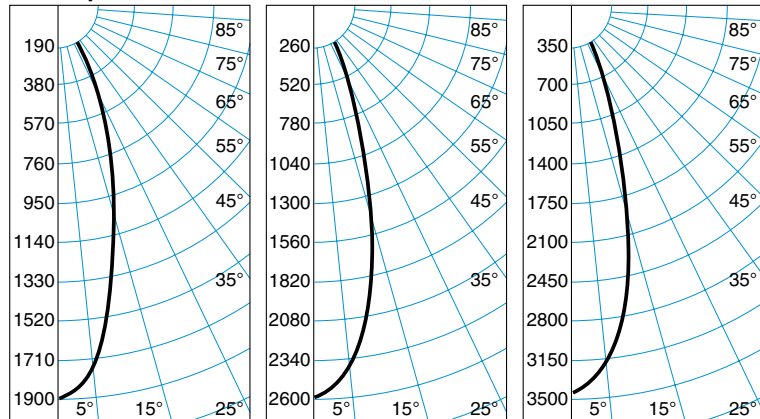
- 1 Photometric Reports:
J314 1100 lm KV Report No. 81114-C, 1500 lm KV Report No. 80714, 2100 lm KV Report No. 80514-B.
- 2 Datachart degree headings show one side of nadir. Diameter data includes both sides. Therefore the 10° column shows a 20° pattern diameter at the work plane. Footcandle values are at the diameter edge.
- 3 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					
J316 Xicato® 1100 lm 3000K Read Top Data J316 Xicato® 1500 lm 3000K Read Bottom 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	
34 46	24 33	3' 3'	12 14	5' 5'	3 3			9' 9'	10'	4' 4'	53 69	47 62	37 48
21 29	15 20	3' 3'	7 9	7' 7'	2 2	11' 11'	12'	5' 5'	33 43	29 38	23 30		
14 20	10 14	4' 4'	5 6	8' 8'	1 1	13' 13'	14'	6' 6'	23 29	20 26	16 20		
10 14	7 10	5' 5'	4 4	10' 10'	1 1	16' 16'	16'	7' 7'	16 21	14 19	11 15		
8 11	6 8	5' 5'	3 3	11' 11'	1 1	18' 18'	18'	8' 8'	12 16	11 14	9 11		

Single Unit Initial Footcandles, 30" Work Plane					Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane								
J316 Xicato® 2100 lm 3000K							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	
61		43 3'		18 5'		4 9'		10'		4'		91		81 63	
38		27 3'		11 7'		3 11'		12'		5'		56		50 39	
26		18 4'		8 8'		2 13'		14'		6'		39		34 27	
19		13 5'		6 10'		1 16'		16'		7'		28		25 19	
14		10 5'		4 11'		1 18'		18'		8'		21		19 15	

Candlepower Distribution



J316 Xicato® 1100lm
3000K S/M .54
Luminous efficacy 60.0

J316 Xicato® 1500lm
3000K S/M .54
Luminous efficacy 56.0

J316 Xicato® 2100lm
3000K S/M .54
Luminous efficacy 55.0

Candelas

	13W	18W	24W
°	778*	1010*	1326*
0	1900	2591	3435
5	1748	2395	3167
10	1398	1937	2543
15	1028	1433	1873
20	780	946	1240
25	441	543	715
30	223	264	350
35	102	124	162
40	52	65	84
45	30	37	49
50	21	27	35
55	15	19	24
60	11	13	16
65	2	0	0
70	0	0	0
75	0	0	0
80	0	0	0
85	0	0	0
90	0	0	0

° Vertical Angles
* Luminaire Lumens

Notes

- Photometric Reports:
J316 1100 lm KV Report No. 81314-C, 1500 lm KV Report No. 81114-A, 2100 lm KV Report No. 81314-B.
- Datachart degree headings show one side of nadir. Diameter data includes both sides. Therefore the 10° column shows a 20° pattern diameter at the work plane. Footcandle values are at the diameter edge.
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