

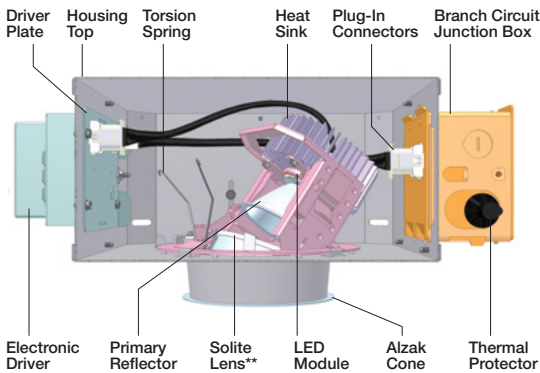


- F2333CP** Wide 45°
- F2335CP** Medium 32°
- F2337CP** Narrow 23°
- F2339CP** Very Narrow 10°

4 3/8" Round Directional Downlights, Chicago Plenum

OPTICS and APPLICATIONS

This generation of directional downlights optimizes output while controlling glare in both directional and downlight applications. The optical assembly is designed with locking capability to rotate 360° and angulate 35° to accommodate architectural aiming and control. The F2333/2335/2337 are provided standard with a Solite lens. The F2339 is provided standard without a lens and projects over 12,200 candelas in a very narrow 10° beam. Ideal for accentuating art and points of interest.



** Standard for F2333/2335/2337, optional for F2339.

DESIGN FEATURES - MultiSource® Capable

The shallow housing utilizes 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. The lower cone is keyed to the optical assembly to assure center point alignment at any position. Service from below only. Maximum ceiling thickness 1 1/2".

DRIVERS

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

FINISH

Specular Alzak cones are standard. The SoftSheen™ finish is designed to mitigate color over angle. Softglow® finish and other colors are available.

GENERAL

Fixture is CCEA approved for Chicago Plenum applications and is pre-wired and thermal protected. CSA certified to US and Canadian safety standards. Approved for eight wire 90°C branch circuit wiring. All lensed fixtures are suitable for wet location under covered ceiling. F2339 is suitable for damp locations when no lens option is selected. All products are union made. Designed and manufactured in the USA.

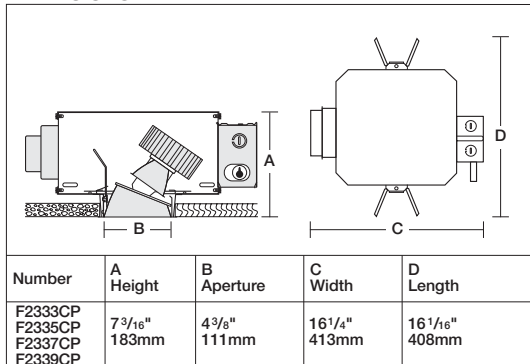
WARRANTY

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
F2333CP	1100	715	12	55.0	665	11.6	57.3
	1500	981	17	58.0	1003	16.6	60.4
	2100	1383	24	58.0	1373	22.4	61.3
F2335CP	1100	754	12	61.0	620	11.6	53.4
	1500	1030	17	61.0	935	16.6	56.3
	2100	1480	24	62.0	1280	22.4	57.2
F2337CP	1100	847	12	68.0	618	11.6	53.2
	1500	1160	17	68.0	931	16.6	56.1
	2100	1651	24	69.0	1276	22.4	56.9
F2339CP	1100	390	18.1	21.5			
	1500	521	25.2	20.7			

DIMENSIONS



ORDERING GUIDE

Base Specification (required) Example: F2335CP-213012D					Options (optional)									
Model	Source Lumens	Kelvin	Volts	Dimming	CRI	Cone Finish	Cone Color	Cone Paint	Cone Style	Factory Settings	Lens Options	Flush Mount	Fuse	Support Rails
F2333CP Wide	11 1100 15 1500 21 2100	27 2700K 30 3000K 35 3500K 40 4000K	12 120V 27 277V	D Standard 0-10V, to 10%.	<i>Standard 80 CRI</i> 90 90 CRI D1 Hi-lume 1% 3-wire LED driver. AS² 98 CRI VS8³ Vibrant 83 CRI VS9⁴ Vibrant 95 CRI	<i>Standard Specular clear</i> SS SoftSheen™ S Softglow®	<i>Standard clear</i> B Black G Gold W Wheat Y Pewter	<i>Standard clear</i> WT White Flange. WHT White Cone, complete. BT Black Flange.	<i>Standard with bias cut directional cone.</i> STC Straight top cone.	<i>Standard adjustable</i> DP Fixed Downlight Position.	<i>For F2333/35/37: Standard Solite Clear</i> <i>For F2339: Standard Open Cone</i> SO⁵ Solite Clear Lens SOFR Solite lens frosted. LL Linear lens. LLFR Linear lens frosted. LS Clear lens LSFR Clear lens	<i>Standard with flange</i> FMR4 Flush mount drywall.	F Fuse.	R2 26" R5 52" <i>Products designated FMR4 provided with FMBKT</i>

OPTION NOTES

- Not available with F2339.
- Xicato® Artist Series™ 98 +/-3 CRI module up to 1500 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 1500 lm, 3000K only. Contact factory for energy information.
- Add SO only for F2339.

Rev Date 07/24/19



F2333CP Wide 45°

Cut out dimensions: 5" for 7/8" ceiling. Outer flange dimension: 5 1/4".

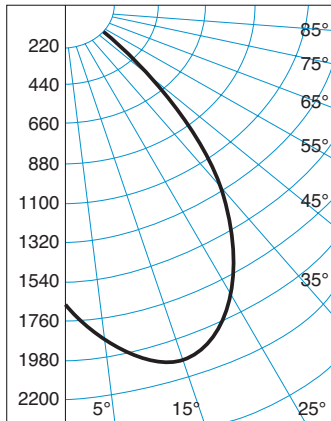
Performance Datachart

Distance	5'				8'				10'				12'			
	Nadir	10°	20°		Nadir	10°	20°		Nadir	10°	20°		Nadir	10°	20°	
Source	FC	FC Diam	FC Diam		FC	FC Diam	FC Diam		FC	FC Diam	FC Diam		FC	FC Diam	FC Diam	
F2333CP 2100 lm 3000K	84	72 2'	44 4'		33	28 3'	17 6'		21	18 4'	11 7'		15	12 4'	8 9'	

Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane					Ceiling to Floor				Multiple Units Initial Footcandles, 30" Work Plane			
F2333CP 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
55	48 2'	36 4'	17 6'		8'				5'	55	48	36
39	34 2'	26 5'	12 8'		9'				6'	39	34	26
30	26 3'	20 5'	9 9'		10'				7'	30	26	19
23	20 3'	15 6'	7 10'		11'				8'	23	20	15
18	16 3'	12 7'	6 11'		12'				9'	18	16	12

Candlepower Distribution



F2333CP Xicato® 2100 lm 3000K
15° Tilt
Luminous efficacy 55.0 S/M .76

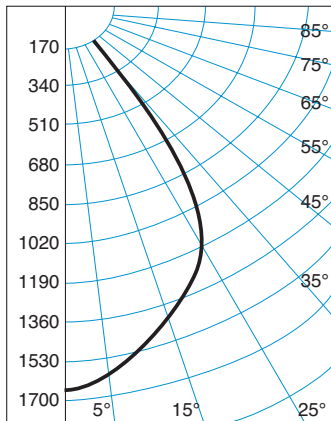
Candelas

°	24W
	0
5	2112
10	2048
15	1880
20	1643
25	1316
30	935
35	575
40	295
45	139
50	49
55	17
60	7
65	0
70	0
75	0
80	0
85	0
90	0

°Vertical Angles
*Luminaire Lumens

Notes

- Photometric Reports:
F2333CP 2100 lm 15° Tilt
KV Report No. 82114-B-01,
2100 lm KV Report No. 81814-A-01.
- Specular colored cone multipliers,
contact factory.
- SoftSheen™ cone multiplier and
Softglow® cone multiplier, contact
factory.
- 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.
- 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.



F2333CP Xicato® 2100 lm 3000K
Luminous efficacy 58.0 S/M .96

°	24W
	0
5	1664
10	1611
15	1505
20	1405
25	1329
30	1176
35	813
40	429
45	138
50	24
55	8
60	5
65	4
70	0
75	0
80	0
85	0
90	0

°Vertical Angles
*Luminaire Lumens

F2335CP Medium 32°

Cut out dimensions: 5" for 7/8" ceiling. Outer flange dimension: 5 1/4".

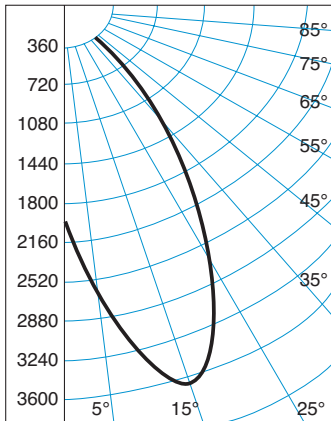
Performance Datachart

Distance	5'				8'				10'				12'			
	Nadir	10°	20°		Nadir	10°	20°		Nadir	10°	20°		Nadir	10°	20°	
Source	FC	FC Diam	FC Diam		FC	FC Diam	FC Diam		FC	FC Diam	FC Diam		FC	FC Diam	FC Diam	
F2335CP 2100 lm 3000K	145	100 2'	43 4'		57	39 3'	17 6'		36	25 4'	11 7'		25	17 4'	7 9'	

Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane					Ceiling to Floor				Multiple Units Initial Footcandles, 30" Work Plane			
F2335CP Xicato® 2100 lm 3000K Read Top Data									Ceiling 80% Walls 50% Floor 20%			
									Spacing is Maximum Over Work Plane			
Nadir	10°	20°	30°						Spacing	RCR 1	RCR 3	RCR 8
FC	FC Diam	FC Diam	FC Diam									
73	49 3'	22 5'	4 9'		10'				4'	118	106	84
46	30 3'	14 7'	3 11'		12'				5'	73	66	52
31	21 4'	9 8'	2 13'		14'				6'	50	45	36
23	15 5'	7 10'	1 16'		16'				7'	36	33	26
17	11 5'	5 11'	1 18'		18'				8'	28	25	20

Candlepower Distribution



F2335CP Xicato® 2100 lm 3000K
15° Tilt
Luminous efficacy 55.0 S/M .52

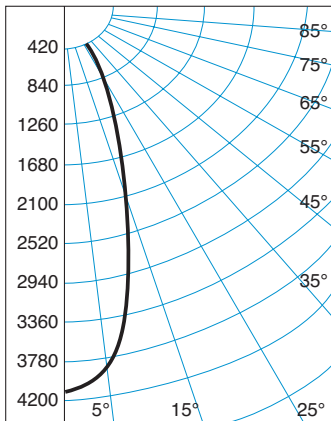
Candelas

o	24W
	1312*
0	3630
5	3315
10	2620
15	1920
20	1282
25	748
30	351
35	138
40	55
45	20
50	10
55	6
60	5
65	0
70	0
75	0
80	0
85	0
90	0

o Vertical Angles
* Luminaire Lumens

Notes

- Photometric Reports:
F2335 CP 2100 lm 15° Tilt
KV Report No. 82014-A-01,
2100 lm KV Report No. 81914-01
- Specular colored cone multipliers,
contact factory.
- SoftSheen™ cone multiplier and
Softglow® cone multiplier, contact
factory.
- Single unit Datachart pattern
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of nadir. Therefore a 15° diameter
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at the work plane. Footcandle values
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the total measured luminous flux
(lumens) of the fixture divided by the
total measured electrical input power
(watts) of the complete fixture.



F2335CP Xicato® 2100 lm 3000K
Luminous efficacy 62.0 S/M .50

o	24W
	1480*
0	4120
5	3728
10	2879
15	2105
20	1497
25	957
30	376
35	113
40	59
45	25
50	12
55	6
60	4
65	0
70	0
75	0
80	0
85	0
90	0

o Vertical Angles
* Luminaire Lumens

F2337CP Narrow 23°

Cut out dimensions: 5" for 7/8" ceiling. Outer flange dimension: 5 1/4".

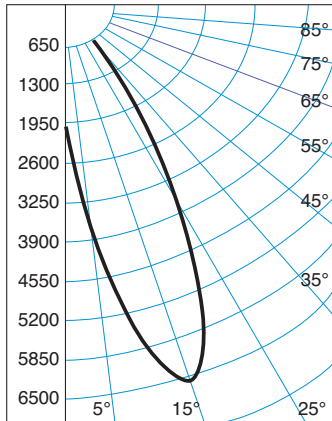
Performance Datachart

Distance	8'				10'				12'				14'			
	Nadir	10°	20°		Nadir	10°	20°		Nadir	10°	20°		Nadir	10°	20°	
Source	FC	FC Diam	FC Diam		FC	FC Diam	FC Diam		FC	FC Diam	FC Diam		FC	FC Diam	FC Diam	
F2337CP 2100 lm 3000K	102	56 3'	14 6'		65	36 4'	9 7'		45	25 4'	6 9'		33	18 5'	5 10'	

Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane					Ceiling to Floor				Multiple Units Initial Footcandles, 30" Work Plane			
F2337CP Xicato® 2100 lm 3000K Read Top Data									Ceiling 80% Walls 50% Floor 20%			
Nadir	10°	15°	20°						Spacing is Maximum Over Work Plane			
FC	FC Diam	FC Diam	FC Diam						Spacing	RCR 1	RCR 3	RCR 8
81	42 3'	22 5'	13 7'		12'				4'	143	129	108
55	29 4'	15 6'	9 8'		14'				4'	98	88	73
40	21 5'	11 7'	6 10'		16'				5'	71	64	53
30	16 5'	8 8'	5 11'		18'				6'	54	49	40
24	12 6'	7 9'	4 13'		20'				7'	42	38	32

Candlepower Distribution



F2337CP Xicato® 2100 lm 3000K
15° Tilt
Luminous efficacy 61.0 S/M .40

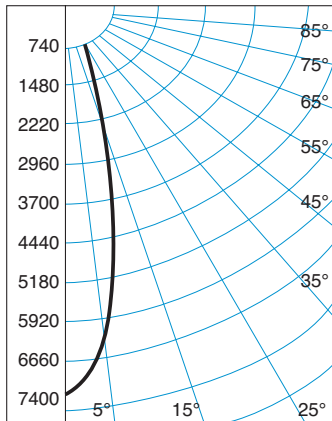
Candelas

°	24W	
	o	1471*
0	6533	
5	5705	
10	3767	
15	2093	
20	1107	
25	584	
30	261	
35	88	
40	32	
45	12	
50	8	
55	6	
60	4	
65	0	
70	0	
75	0	
80	0	
85	0	
90	0	

°Vertical Angles
*Luminaire Lumens

Notes

- Photometric Reports:
F2337CP 2100 lm 15° Tilt
KV Report No. 82114-01,
2100 lm KV Report No. 81814-01
- Specular colored cone multipliers,
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F2337CP Xicato® 2100 lm 3000K
15° Tilt
Luminous efficacy 69.0 S/M .38

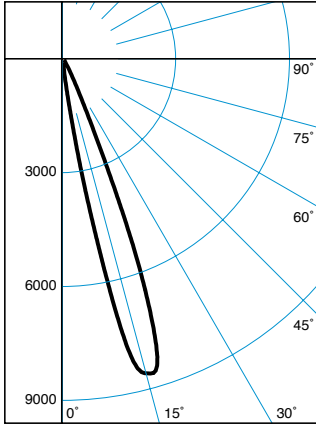
°	24W	
	o	1651*
0	7312	
5	6268	
10	3988	
15	2250	
20	1382	
25	810	
30	272	
35	57	
40	32	
45	15	
50	11	
55	7	
60	5	
65	0	
70	0	
75	0	
80	0	
85	0	
90	0	

°Vertical Angles
*Luminaire Lumens

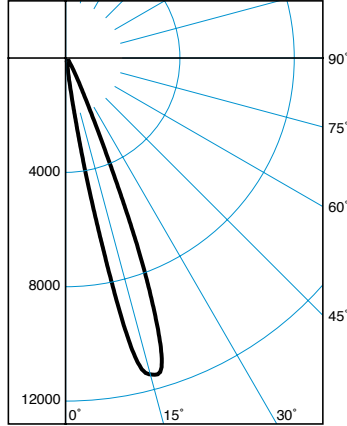
F2339CP Very Narrow 10°

Cut out dimensions: 5" for 7/8" ceiling. Outer flange dimension: 5 1/4".

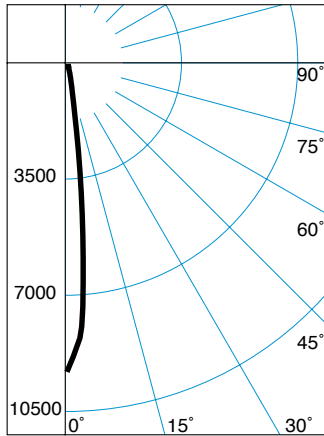
Candlepower Distribution



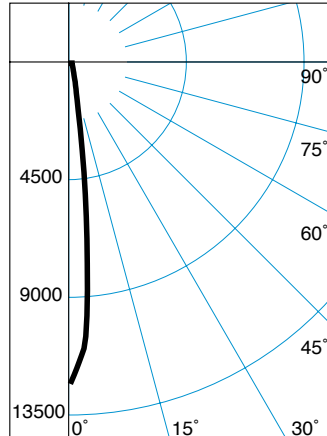
F2339CP Xicato® 1100 lm 3000K
15° Tilt
Luminous efficacy 20.6 S/M 0.2



F2339CP Xicato® 1500 lm 3000K
15° Tilt
Luminous efficacy 19.8 S/M 0.2



F2339CP Xicato® 1100 lm 3000K
Luminous efficacy 21.5 S/M 0.2



F2339CP Xicato® 1500 lm 3000K
Luminous efficacy 20.7 S/M 0.2

Candelas

°	18W	25W
	373*	499*
0	110	147
5	541	721
10	4140	5429
15	8580	11460
20	5883	7880
25	922	1234
30	127	170
35	27	35
40	12	16
45	4	5
50	1	1
55	0	0
60	0	0
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

° Vertical Angles
*Luminaire Lumens

°	18W	25W
	390*	521*
0	9147	12212
5	5110	6794
10	676	914
15	122	167
20	32	44
25	15	20
30	9	12
35	3	4
40	1	1
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

° Vertical Angles
*Luminaire Lumens

Notes

- Photometric Reports:
F2339CP 1100 lm 15° Tilt
KV Report No. 17.01863-01,
1500 lm 15° Tilt KV Report No. 17.01864-01,
1100 lm KV Report No. 17.01586-01,
1500 lm KV Report No. 17.01588-01,
- Specular colored cone multipliers,
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