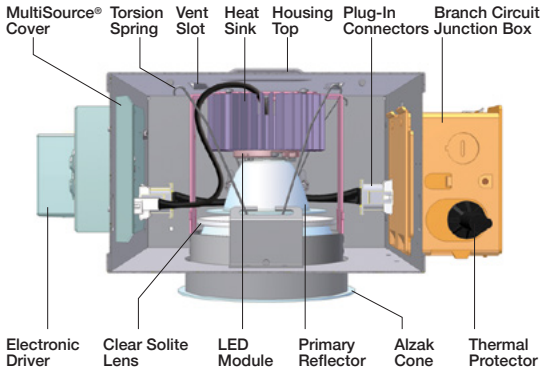




F1332 Wide 70°
F1334 Medium 45°
F1336 Narrow 22°

4 3/8" Round Downlights with Lens



OPTICS and APPLICATIONS

Downlight optical systems are engineered to provide optimal performance with maximum brightness control for a quiet ceiling. A clear Solite spread lens is provided for an even beam distribution.

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 7/8".

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.

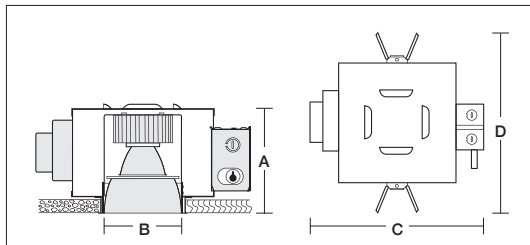
GENERAL

Fixture is 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 for details or select hyperlink.

DIMENSIONS



Number	A Height	B Aperture	C Width	D Length
F1332	6 3/8"	4 3/8"	13 1/8"	13 3/4"
F1334	162mm	111mm	333mm	349mm
F1336				
F1332	8 13/16"	4 3/8"	16 3/8"	15 2/8"
F1334	224mm	111mm	416mm	398mm
F1336				

*Open housing top construction

ENERGY INFORMATION

Fixture	Source Lumens	Xicato XTM, 80 CRI			Cree, 80 CRI		
		Delivered Lumens	System Watts	lm/W	Delivered Lumens	System Watts	lm/W
F1332	1100	723	12	60.0	684	11.6	58.9
	1500	1004	17	59.0	1031	16.6	62.1
	2100	1436	25	57.0	1412	22.4	63.0
	2800	1873	34	56.0	1793	27.6	65.7
F1334	1100	759	12	63.0	768	11.6	66.2
	1500	1067	17	63.0	1161	16.6	69.9
	2100	1516	25	61.0	1586	22.4	70.8
	2800	1971	34	58.0	1938	27.6	70.2
F1336	1100	793	12	66.0	724	11.6	62.4
	1500	1206	17	71.0	1091	16.6	65.7
	2100	1719	25	69.0	1495	22.4	66.7
	2800	2212	34	65.0	1898	27.6	69.6

ORDERING GUIDE

Base Specification (required) Example: F1334-213012D				Options (optional)									
Model	Source Lumens	Kelvin	Volts	Dimming	CRI	Cone Finish	Cone Color	Cone Paint	Lens Options	Flush Mount	Fuse	EM	Support Rails
F1332 Wide	11 1100	27 2700K	12 120V	D Standard 0-10V, to 10%.	Standard 80 CRI	Standard	Standard clear	Standard clear	Standard Solite clear	Standard with flange	F ⁴ Fuse.	REM Remote EM. Includes battery pack, charger light, test switch for 90 minutes. Remote mount only. Ceiling access required.	R2 26" R5 52"
F1334 Medium	15 1500	30 3000K	27 277V	DM1 0-10V to 1%. D1 Hi-lume 1% 3-wire LED driver. DE Hi-lume 1% EcoSystem LED driver to 1%. DALI DM01 0-10V to .1%.	90 90 CRI XTM 83 CRI AS ¹ 98 CRI VSB ² Vibrant 83 CRI VSB ³ Vibrant 95 CRI	SS SoftSheen™ S Softglow®	B Black G Gold W Wheat Y Pewter	White Flange. WHT White Cone, complete. BT Black Flange.	SOFR Solite lens frosted. LL Linear lens. LLFR Linear lens frosted. LS Clear lens. LSR Clear lens frosted.	FMR4 Flush mount drywall.			Products designated FMR4 provided with FMBKT

OPTION NOTES

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



 = Available for Velocity Quick Ship Program



F1332 Wide 70°

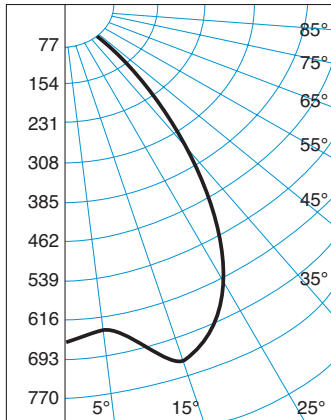
Cut out dimensions: 4^{29/32}". Outer flange dimension: 5^{1/4}".

Performance Datachart

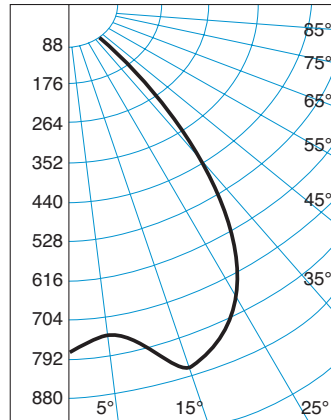
Single Unit Initial Footcandles, 30" Work Plane					Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane				
F1332 Xicato® 1100 lm 3000K Read Top Data							Ceiling 80% Walls 50% Floor 20%				
F1332 Xicato® 1500 lm 3000K Read Bottom Data							Spacing is Maximum Over Work Plane				
Nadir	10°	20°	30°				Spacing	RCR 1	RCR 3	RCR 8	
FC	FC	Diam	FC	Diam	FC	Diam					
18	18	2'	16	4'	10	6'	8'	6'	19	16	12
26	25	2'	22	4'	13	6'		6'	26	23	16
13	13	2'	12	5'	7	8'	9'	8'	14	12	8
18	18	2'	16	5'	9	8'		8'	19	16	11
10	10	3'	9	5'	5	9'	10'	9'	10	9	6
14	13	3'	12	5'	7	9'		9'	14	12	9
8	8	3'	7	6'	4	10'	11'	10'	8	7	5
11	10	3'	9	6'	6	10'		10'	11	9	7
6	6	3'	5	7'	3	11'	12'	11'	6	5	4
9	8	3'	8	7'	4	11'		11'	9	8	5

Single Unit Initial Footcandles, 30" Work Plane					Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane				
F1332 Xicato® 2100 lm 3000K Read Top Data							Ceiling 80% Walls 50% Floor 20%				
F1332 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					
37	36	2'	32	4'	19	6'	8'	6'	38	32	23
48	47	2'	42	4'	25	6'		6'	49	42	30
26	26	2'	23	5'	14	8'	9'	8'	27	23	16
34	33	2'	30	5'	18	8'		8'	35	30	21
20	19	3'	17	5'	10	9'	10'	9'	20	17	12
26	25	3'	23	5'	13	9'		9'	26	23	16
15	15	3'	14	6'	8	10'	11'	10'	16	14	10
20	20	3'	18	6'	10	10'		10'	20	18	12
12	12	3'	11	7'	6	11'	12'	11'	13	11	8
16	16	3'	14	7'	8	11'		11'	16	14	10

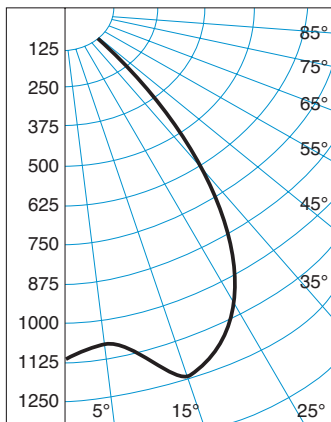
Candlepower Distribution



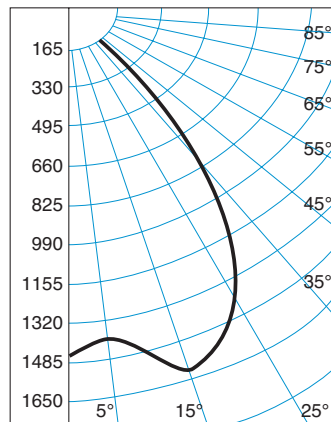
F1332 Xicato® 1100 lm 3000K
S/M 1.18 Luminous efficacy 60.0



F1332 Xicato® 1500 lm 3000K
S/M 1.18 Luminous efficacy 59.0



F1332 Xicato® 2100 lm 3000K
S/M 1.18 Luminous efficacy 57.0



F1332 Xicato® 2800 lm 3000K
S/M 1.18 Luminous efficacy 56.0

Candelas

°	12W	17W
	723*	1004*
0	558	775
5	544	755
10	571	793
15	623	865
20	591	820
25	545	751
30	443	616
35	308	428
40	161	223
45	61	84
50	16	23
55	2	3
60	2	3
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

°Vertical Angles
*Luminaire Lumens

°	25W	33W
	1436*	1873*
0	1110	1448
5	1080	1410
10	1137	1479
15	1241	1619
20	1176	1535
25	1089	1420
30	885	1155
35	615	803
40	319	418
45	116	152
50	30	38
55	4	5
60	3	4
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:
F1332 1100 lm KV Report No. F1332X,
F1332 1500 lm KV Report No. F1332U,
F1332 2100 lm KV Report No. F1332W,
F1332 2800 lm KV Report No. F1332V.
- 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.

F1334 Medium 45°

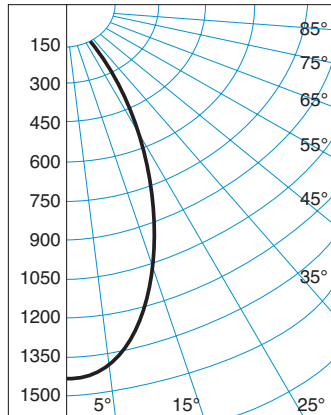
Cut out dimensions: 4²⁹/₃₂". Outer flange dimension: 5¹/₄".

Performance Datachart

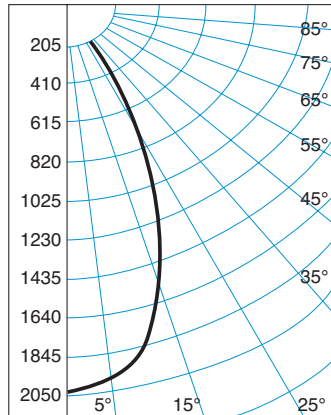
Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane			
F1334 Xicato® 1100 lm 3000K Read Top Data F1334 Xicato® 1500 lm 3000K Read Bottom Data							Ceiling 80% Walls 50% Floor 20%			
Nadir	10°		20°		30°	Spacing is Maximum Over Work Plane				
FC	FC	Diam	FC	Diam	FC	Diam	Spacing	RCR 1	RCR 3	RCR 8
47	42	2'	22	4'	6	6'	4'	57	51	40
67	60	2'	31	4'	8	6'	4'	81	72	56
34	30	2'	16	5'	4	8'	5'	41	37	29
48	43	2'	22	5'	6	8'	5'	58	52	40
25	23	3'	12	5'	3	9'	5'	31	28	21
36	32	3'	17	5'	4	9'	5'	44	39	30
20	18	3'	9	6'	2	10'	6'	24	21	17
28	25	3'	13	6'	3	10'	6'	34	30	24
16	14	3'	7	7'	2	11'	7'	19	17	13
22	20	3'	10	7'	3	11'	7'	27	24	19

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane			
F1334 Xicato® 2100 lm 3000K Read Top Data F1334 Xicato® 2800 lm 3000K Read Bottom 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
47	42	3'	33	4'	23	5'	6'	55	49	30
62	54	3'	43	4'	31	5'	6'	72	63	49
30	26	3'	21	5'	15	7'	7'	34	30	18
38	34	3'	27	5'	19	7'	7'	45	39	30
20	18	4'	14	6'	10	8'	9'	23	21	13
26	23	4'	18	6'	13	8'	9'	30	27	21
15	13	5'	10	7'	7	10'	10'	17	15	9
19	17	5'	13	7'	9	10'	10'	22	20	15
11	10	5'	8	8'	5	11'	11'	13	11	7
14	13	5'	10	8'	7	11'	11'	17	15	11

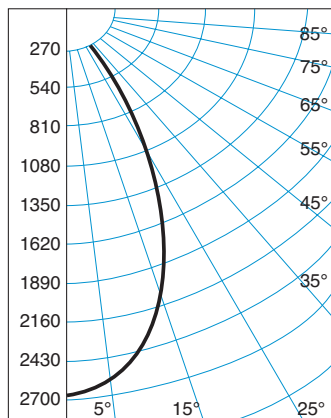
Candlepower Distribution



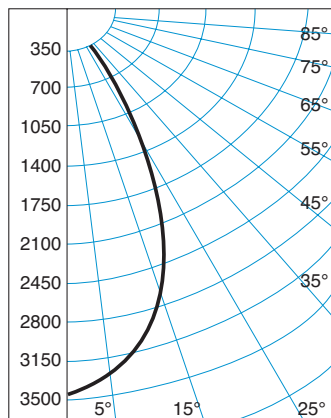
F1334 Xicato® 1100 lm 3000K
S/M .70 Luminous efficacy 63.0



F1334 Xicato® 1500 lm 3000K
S/M .70 Luminous efficacy 63.0



F1334 Xicato® 2100 lm 3000K
S/M .74 Luminous efficacy 61.0



F1334 Xicato® 2800 lm 3000K
S/M .74 Luminous efficacy 58.0

Candelas

°	12W	17W
	759*	1072*
0	1428	2017
5	1402	1980
10	1335	1886
15	1090	1540
20	792	1120
25	547	773
30	259	367
35	71	100
40	31	44
45	19	26
50	9	13
55	5	6
60	3	4
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

*Vertical Angles
*Luminaire Lumens

°	25W	34W
	1516*	1971*
0	2670	3470
5	2610	3363
10	2458	3175
15	2066	2680
20	1590	2081
25	1107	1462
30	561	731
35	197	248
40	90	115
45	44	56
50	21	27
55	8	10
60	4	6
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:
F1334 1100 lm KV Report No. F133426,
F1334 1500 lm KV Report No. F133424,
F1334 2100 lm KV Report No. 71414-B,
F1334 2800 lm KV Report No. 71014.
- 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.

F1336 Narrow 22°

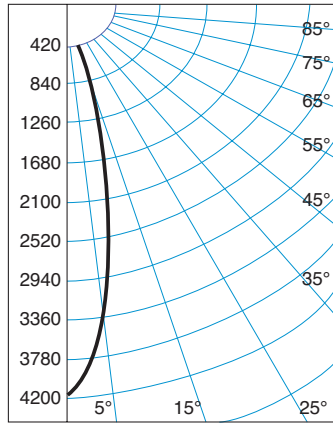
Cut out dimensions: 4^{29/32"}. Outer flange dimension: 5 1/4".

Performance Datachart

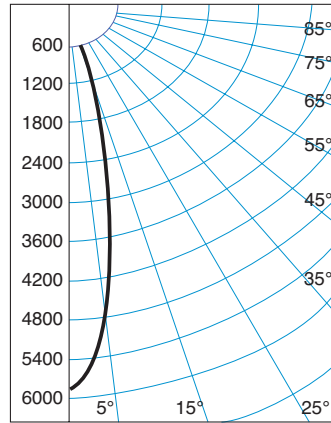
Single Unit Initial Footcandles, 30" Work Plane					Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane				
F1336 Xicato® 1100 lm 3000K Read Top Data							Ceiling 80% Walls 50% Floor 20%				
F1336 Xicato® 1500 lm 3000K Read Bottom Data							Spacing is Maximum Over Work Plane				
Nadir	10°	20°	30°	Spacing							
FC	FC	Diam	FC	Diam	FC	Diam	FC	RCR 1	RCR 3	RCR 8	
138	62	2'	15	4'	4	6'	8'	2'	256	234	193
194	88	2'	21	4'	5	6'	8'	2'	362	330	272
98	45	2'	11	5'	3	8'	9'	2'	183	167	138
139	63	2'	15	5'	4	8'	9'	2'	259	236	195
74	33	3'	8	5'	2	9'	10'	3'	138	126	104
104	47	3'	11	5'	3	9'	10'	3'	195	177	146
58	26	3'	6	6'	2	10'	11'	3'	107	98	81
81	37	3'	9	6'	2	10'	11'	3'	152	138	114
46	21	3'	5	7'	1	11'	12'	3'	86	78	65
65	29	3'	7	7'	2	11'	12'	3'	121	111	91

Single Unit Initial Footcandles, 30" Work Plane					Ceiling to Floor		Multiple Units Initial Footcandles, 30" Work Plane				
F1336 Xicato® 2100 lm 3000K Read Top Data							Ceiling 80% Walls 50% Floor 20%				
F1336 Xicato® 2800 lm 3000K Read Bottom Data							Spacing is Maximum Over Work Plane				
Nadir	5°	10°	15°	Spacing							
FC	FC	Diam	FC	Diam	FC	Diam	FC	RCR 1	RCR 3	RCR 8	
59	51	2'	31	4'	15	6'	14'	4'	102	92	76
76	66	2'	40	4'	19	6'	14'	4'	131	86	97
43	37	2'	22	5'	11	7'	16'	5'	74	67	55
55	48	2'	29	5'	14	7'	16'	5'	95	86	71
32	28	3'	17	5'	8	8'	18'	6'	56	51	42
42	36	3'	22	5'	11	8'	18'	6'	72	65	54
25	22	3'	13	6'	7	9'	20'	7'	44	40	33
33	28	3'	17	6'	8	9'	20'	7'	57	51	42
20	18	3'	11	7'	5	10'	22'	7'	35	32	26
27	23	3'	14	7'	7	10'	22'	7'	46	41	34

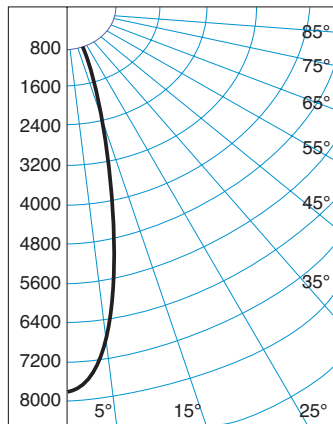
Candlepower Distribution



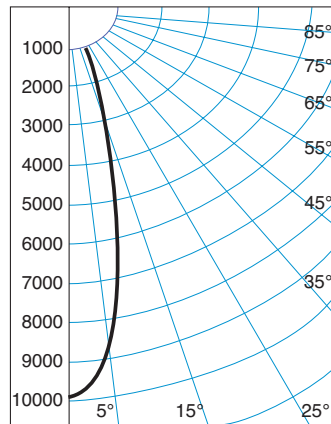
F1336 Xicato® 1100 lm 3000K
S/M .34 Luminous efficacy 66.0



F1336 Xicato® 1500 lm 3000K
S/M .34 Luminous efficacy 66.0



F1336 Xicato® 2100 lm 3000K
S/M .38 Luminous efficacy 69.0



F1336 Xicato® 2800 lm 3000K
S/M .38 Luminous efficacy 65.0

Candelas

°	12W	17W
	793*	1120*
0	4160	5878
5	3392	4792
10	1971	2785
15	989	1397
20	535	755
25	369	522
30	167	236
35	33	46
40	13	19
45	7	11
50	5	7
55	3	4
60	2	3
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

°Vertical Angles
*Luminaire Lumens

°	25W	34W
	1719*	2212*
0	7783	10107
5	6787	8798
10	4252	5505
15	2236	2857
20	1202	1529
25	780	996
30	421	537
35	103	131
40	38	51
45	15	20
50	10	13
55	6	9
60	3	5
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:
F1336 1100 lm KV Report No. F13362I,
F1336 1500 lm KV Report No. F13362H,
F1336 2100 lm KV Report No. 71414,
F1336 2800 lm KV Report No. 71014-A.
- 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.