

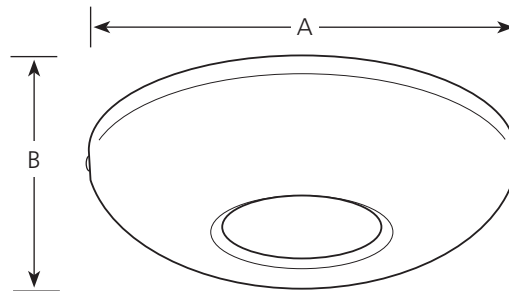
Type _____

-30 -30/35K

P8022 ☐ ☐

Finish

Catalog No.	White	LED Color Temp	Dimensions (Inches)	
			A	B
P8022	-30	2700K	8	1-3/4
P8022	-30/35K	3500K	8	1-3/4



Applications:

The P8022 is ideal for use in utility and general lighting applications. Surface mounting and minimized profile make the P8022 a perfect alternative to recessed products in applications where plenum height is challenging and where fire codes restrict the use of recessed luminaires.

Specifications:

General

- Gloss white painted finish
- Curved low profile styling
- Frosted acrylic lens diffuses LED's into appearance of a single source
- Regressed internal reflector
- Die cast aluminum Construction

Mounting

- Surface mount
- No light leaks
- Unit covers a standard recessed 4" hexagonal outlet box
- Mounting bracket pulls trim flush to the ceiling

Lamping

- 9 LED (Light Emitting Diode) lamps included
- LED driver is field replaceable
- Consumes 13 watts of power

- Lumen output and light distribution comparable to a 60W A19 or 65W BR30
- CRI is 80+
- Life is 50,000 hours L70 (At 50,000 hours it will provide 70% of initial lumens)
- Lamp contains no mercury, meets California Title 22

Electrical

- Built in transformer
- Non-Dimmable
- 120v, 50/60Hz, HPF driver

Labeling

-  listed for damp locations
- P8022-30/35K is compliant to California Title 24

P8022-30 - LED Ceiling mount fixture - White Trim

Report No. 1790

No. Lamps: 1 Type Lamp: Total Lumens: 478

2700K CCT, 80CRI

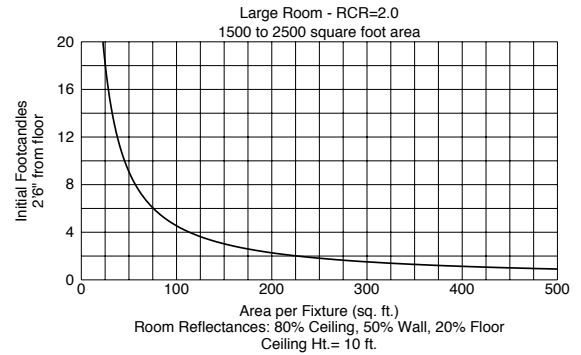
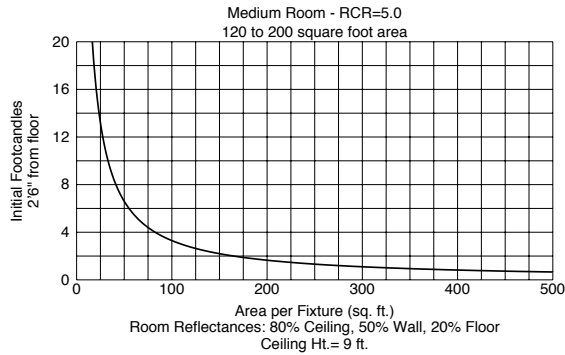
S/MH Ratio: 1.1 (0°) 1.1 (90°)

Single Fixture Data

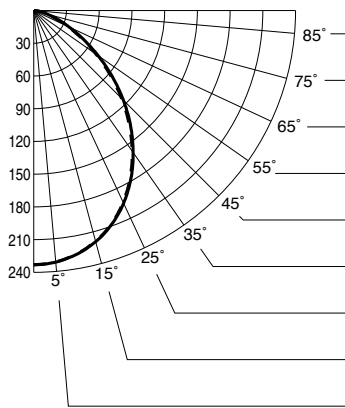
	10% Values		Zero Degrees	50% Values	
Ceiling Ht.(Ft.)	Beam Angle - 101°			Beam Angle - 60°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	0.8	13	7.7	3.9	6
10	0.4	18	4.1	2.1	9
12	0.3	23	2.6	1.3	11
14	0.2	28	1.8	0.9	13
16	0.1	33	1.3	0.6	15

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA	
	AT 0°	AT 90°
90	0	0
85	2	2
80	6	6
75	13	12
70	23	22
65	36	34
60	52	50
55	72	70
50	94	91
45	116	114
40	138	136
35	159	157
30	178	177
25	195	194
20	209	208
15	219	219
10	227	227
5	231	231
0	233	233

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

RC	Effective Floor Cavity Reflectance 0.20															
	80				70				50				30			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81
3	94	85	78	72	92	84	77	72	81	75	70	78	73	69	76	72
4	87	76	69	63	85	75	68	62	73	66	61	70	65	61	68	64
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47
8	65	53	45	39	64	52	44	39	51	44	39	50	43	39	48	43
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36



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Light Output (Lumens)	471
Watts	13
Lumens per Watt (Efficacy)	36

Color Accuracy	86
Color Rendering Index (CRI)	



All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: DL8P-S2P4MW

Model Number: P8022-30

Type: Surface-mounted downlight

P8022-30/35K - LED Ceiling mount fixture - white trim

Report No. 1789

No. Lamps: 1 Type Lamp: Total Lumens: 574

3500K CCT, 80CRI

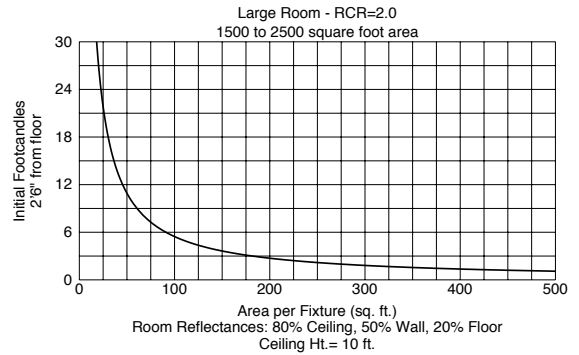
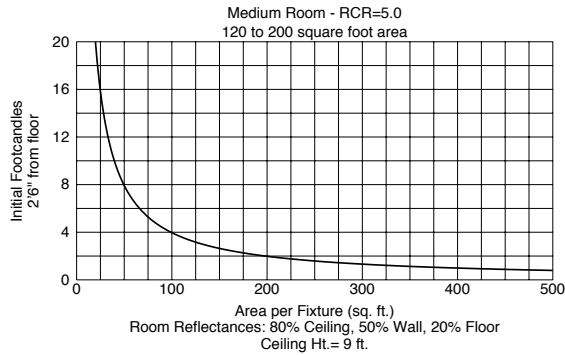
S/MH Ratio: 1.1 (0°) 1.1 (90°)

Single Fixture Data

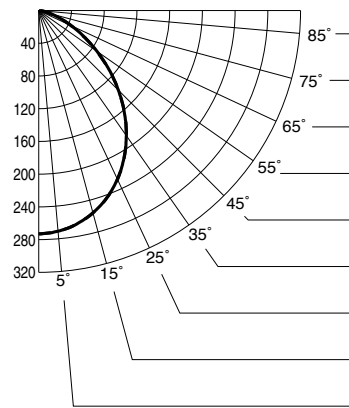
	10% Values		Zero Degrees	50% Values	
Ceiling Ht.(Ft.)	Beam Angle - 102°			Beam Angle - 60°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	0.9	13	9.0	4.5	6
10	0.5	18	4.9	2.4	9
12	0.3	23	3.0	1.5	11
14	0.2	28	2.1	1.0	13
16	0.1	33	1.5	0.7	15

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts



DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA	
	AT 0°	AT 90°
90	0	0
85	2	2
80	7	7
75	15	15
70	28	27
65	44	43
60	64	63
55	87	86
50	112	112
45	138	138
40	163	163
35	187	187
30	208	208
25	228	228
20	243	244
15	256	256
10	265	265
5	271	271
0	273	273

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20																					
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
0	119	119	119	119	116	116	116	116	111	111	111	107	107	107	102	102	102	100			
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66			
4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	60	58			
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51			
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45			
7	70	57	49	43	68	56	49	43	55	48	43	53	47	42	52	46	42	40			
8	65	52	44	39	64	52	44	39	50	44	39	49	43	38	48	42	38	36			
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	33			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			



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Light Output (Lumens)	567
Watts	13
Lumens per Watt (Efficacy)	44

Color Accuracy	85
Color Rendering Index (CRI)	

Light Color

Correlated Color Temperature (CCT)

3360 (Bright White)

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

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Registration Number: DL8P-LE5MXN

Model Number: P8022-30/35K

Type: Surface-mounted downlight