

8" SQ APERTURE

INCANDESCENT A21 LAMPS

RECESSED FLAT LENS DOWNLIGHT

RECESSED INCANDESCENT

OPTIONS:

Lamp Options:

100A21 - 100 Watt A21 (Medium Base)
Maximum Wattage

Door Options:

PW - Painted White (standard)
PB - Painted Black
PBR - Painted Bronze

Lens Options:

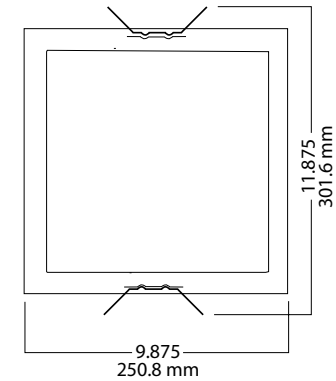
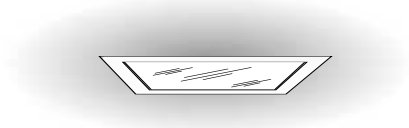
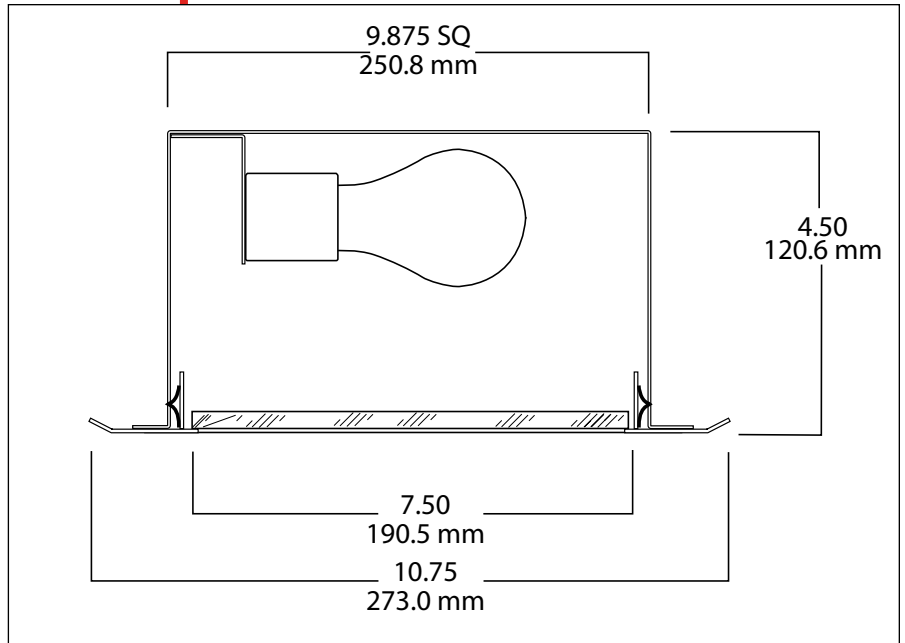
FF - Fresnel Glass Lens
C73 - Corning Pattern 73

Installation Options:

C - C Channel Hangers 27" (2)
BH - T-Bar Ceiling Hanging Assemblies (2)
TP - Tamper Proof

Electrical Options:

277 - 277 Volt Operation
GLR - In Line Fusing



PRODUCT SPECIFICATION DATA:

High reflectance white powder coat reflector.
Designed for 1 horizontally mounted A21 series lamp.
Lamps by others.
Capable of mounting in 2" thick ceiling.
Positive trim retention with torsion springs.
Heavy gauge steel housing with aluminum door.
Suitable for through wiring (4in/4out) #12 AWG.
Factory wired for ease in installation.
UL/CUL Listed / Damp Location.
Chicago Plenum-CCEA - consult factory.

ORDERING INFORMATION

IN-SQ- 8- 100A21- PW- FF- 120-

LIGHT SOURCE	APERTURE	LAMP	DOOR	LENS	VOLTAGE	OPTIONS
INCANDESCENT SQUARE		60A21 75A21 100A21	PW PB PBR	FF C73	120 277	GLR C BH SSA



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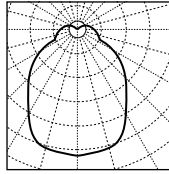
INCANDESCENT A21 LAMPS
RECESSED FLAT LENS DOWNLIGHT

PHOTOMETRICS

CANDEL-LA

VERT° AT 0°

90	33
85	38
80	43
75	48
70	50
65	54
60	57
55	88
50	125
45	162
40	193
35	239
30	273
25	325
20	369
15	397
10	433
5	464
0	483



FOOTLAMBERTS

90°-85°	4465
80°-75°	1899
70°-65°	1308
60°-55°	1571
50°-45°	2346

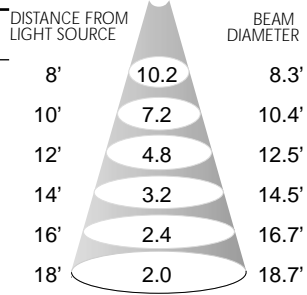
Efficiency: 46.2%
S/MH Ratio: 1.289

Model No. IN-SQ-8-100A21-PW-C73-120

Coefficients of Utilization-Zonal Cavity

RCR	80%			70%			50%		
	70	50	30	70	50	30	50	30	10
1	.50	.48	.46	.49	.47	.46	.45	.44	.43
2	.47	.43	.40	.45	.42	.40	.41	.38	.37
3	.43	.39	.36	.42	.38	.35	.37	.34	.32
4	.40	.35	.32	.39	.35	.31	.34	.31	.28
5	.37	.32	.28	.36	.31	.28	.30	.27	.25
6	.35	.29	.25	.34	.29	.25	.28	.25	.22
7	.32	.27	.23	.32	.26	.23	.26	.22	.20
8	.30	.24	.21	.29	.24	.20	.23	.20	.18
9	.28	.22	.18	.27	.22	.18	.21	.18	.16
10	.26	.20	.17	.25	.20	.17	.20	.16	.14

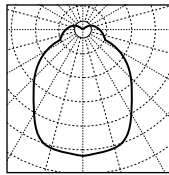
CONE OF LIGHT INITIAL NADIR FOOTCANDLES



CANDEL-LA

VERT° AT 0°

90	32
85	36
80	44
75	50
70	55
65	64
60	70
55	94
50	122
45	160
40	194
35	262
30	318
25	350
20	355
15	357
10	362
5	366
0	368



FOOTLAMBERTS

90°-85°	4465
80°-75°	1978
70°-65°	1551
60°-55°	1678
50°-45°	2317

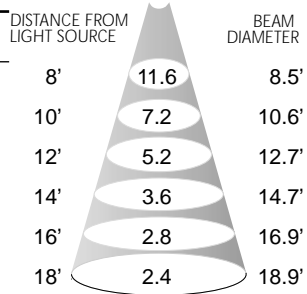
Efficiency: 47.4%
S/MH Ratio: 1.240

Model No. IN-SQ-8-100A21-PW-FF-120

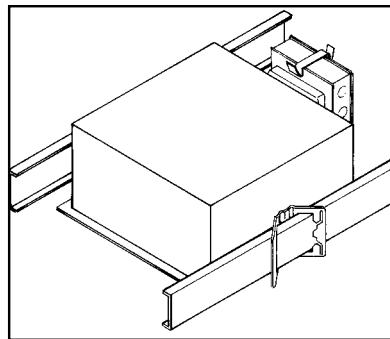
Coefficients of Utilization-Zonal Cavity

RCR	80%			70%			50%		
	70	50	30	70	50	30	50	30	10
1	.52	.50	.48	.50	.48	.47	.46	.45	.44
2	.48	.44	.41	.46	.43	.40	.42	.39	.37
3	.44	.40	.36	.43	.39	.36	.38	.35	.32
4	.41	.36	.32	.40	.35	.32	.34	.31	.29
5	.38	.32	.28	.37	.32	.28	.31	.27	.25
6	.35	.29	.25	.34	.29	.25	.28	.25	.22
7	.33	.27	.23	.32	.26	.23	.26	.22	.20
8	.30	.24	.20	.30	.24	.20	.23	.20	.18
9	.28	.22	.18	.27	.22	.18	.21	.18	.16
10	.26	.20	.16	.26	.20	.16	.19	.16	.14

CONE OF LIGHT INITIAL NADIR FOOTCANDLES



INSTALLATION



Universal mounting brackets are installed on all fixtures. C-Channels (shown) are the preferred system for mounting in Plaster-type ceilings. For T-Bar ceilings and other mounting use BH Hangers or scrap EMT.

Ocean State Lighting has designed this system for sloped ceilings specifically to make installation as easy and rapid as possible. For details consult the factory.



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