

**2 Lamp
F40 U6"**

CONSTRUCTION/FINISH

- For surface or pendant mounting (except models with side mounted ballasts).
- 4" deep metal sided unit allows a wide choice of lens and shallow metal or plastic louvers.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- K.O.'s provided in ends allow individual or continuous row mounting.
- Walnut or oak wood decorative trims optional.

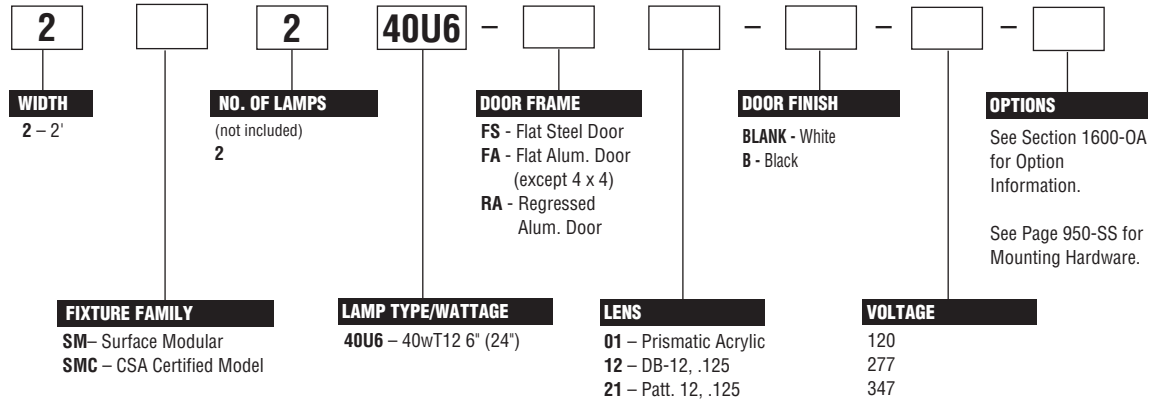
ENCLOSURES

- Standard door frame is flat steel.
- Optional door frames include flat aluminum and regressed aluminum.
- Inconspicuous cam action latches and "T" hinges.
- Standard finish is white with black optional.
- Standard (01) lens is a pattern 12 prismatic acrylic.

ELECTRICAL

- Class P, HPF, CBM certified ballasts comply with ©Federal Ballast Law (Public Law 100-357,1988).
- UL listed for direct mounting on low density ceilings and damp location.
- C.S.A. certified optional.
- Self-contained fluorescent emergency power packs can be incorporated. UL listed for dry location.

CATALOG NUMBER



See page 401-SR for Lens Option Information.

NOTES:

- **Wood Trim Options - Must be ordered separately.**

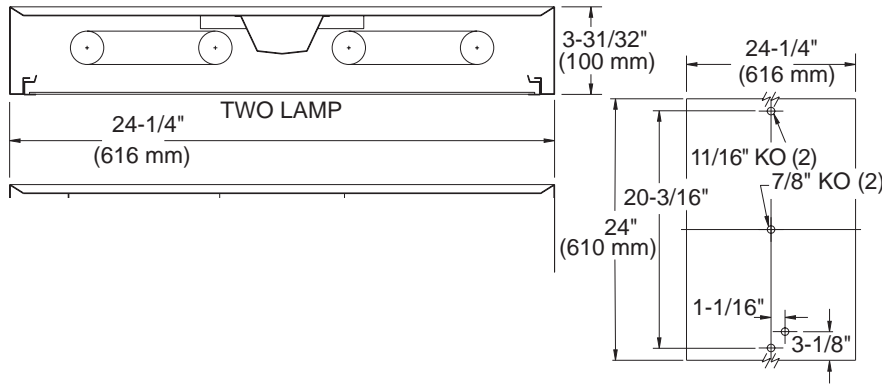
CATALOG NO.	SIZE	FINISH
SMW022	2 x 2	Oak
SMWW22	2 x 2	Walnut

- With generic Electronic Ballasts (Brand selected by Day-Brite)
Suffix Catalog # with— **Ballast Quantity** — / — **-EB Lamps Per Ballast.**

Example: -1/2-EB = One 2 Lamp Electronic Ballast.

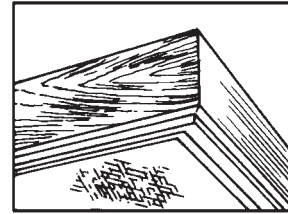
2' X 2'

DIMENSIONS



Surface Modular Wood Trim Options

Must Be Ordered Separately.
Choice of Oak or Walnut Finish.



PHOTOMETRIC DATA

CATALOG # 2SM240U6-FS01-1/2-EB LAMPS = F40ES INPUT WATTS = 60
 TEST #15501 S/MH=1.4 BALLAST = ELECTRONIC BALLAST FACTOR = .83

LER = FL-50

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$4.80 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 70.4%

CANDLEPOWER			
Angle	End	45	Cross
0	1432	1432	1432
5	1425	1429	1429
10	1403	1413	1422
15	1364	1388	1403
20	1313	1351	1374
25	1244	1297	1331
30	1162	1226	1279
35	1066	1132	1209
40	950	1010	1106
45	817	871	977
50	658	727	814
55	526	596	654
60	409	450	508
65	307	304	372
70	227	185	260
75	171	121	187
80	124	101	136
85	64	59	67

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.69 2550 Lumens/Lamp very clean
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
2' X 2'	5	-	86	52	37	-
2-Lamp	2	-	60	36	-	-
	1	134	45	-	-	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2550 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	3764	4012	4501
55	2987	3385	3714
65	2366	2343	2867
75	2152	1523	2353
85	2392	2205	2504

TYPICAL V.C.P.'s

Room Size	Mounting Height			
	Lengthwise		Crosswise	
	8.5	10	8.5	10
30x30	55	59	52	56
40x40	51	55	49	52
60x30	57	61	56	59
60x60	47	50	46	48
100x100	45	46	44	45

COEFFICIENT OF UTILIZATION

pfc pcc pw RCR	20			70			50		
	70	50	30	70	50	30	50	30	
0	84	84	84	82	82	82	78	78	
1	77	74	71	75	72	70	69	67	
2	71	65	61	69	64	60	62	58	
3	65	58	53	63	57	52	55	50	
4	60	52	46	58	51	45	49	44	
5	55	46	40	54	46	40	44	39	
6	51	42	36	50	41	36	40	35	
7	47	38	32	46	38	32	37	31	
8	44	35	29	43	34	29	34	29	
9	41	32	27	40	32	26	31	26	
10	39	30	24	38	29	24	29	24	

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1123	22.0	31.3
0-40	1830	35.9	50.9
0-60	3042	59.6	84.7
0-90	3592	70.4	100.0

LLF = .69 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
 LLD = 0.88 @ 40% RATED LAMP LIFE BF = .83 ELECTRONIC BALLAST & 34 W LAMP (RELM AT 70% LAMP LIFE)

931-SS

DAY-BRITE LIGHTING
 776 South Green Street • Tupelo, Mississippi 38804 • PH: (662) 842-7212 • FAX: (662) 841-5501
 CANADIAN DIVISION
 189 Bullock Drive • Markham, Ontario L3P 1W4 • PH: (905) 294-9570 • FAX: (905) 294-9811

©2000 DAY-BRITE LIGHTING
 HOT 03-00-20M
 DAY-BRITE RESERVES THE RIGHT TO
 MAKE CHANGES WITHOUT NOTICE.