

1, 2 or 3 Lamp  
T5, T5HO, or T8

**CONSTRUCTION/FINISH**

- For surface or pendant mounting, 2 lamp models require 2 stems for pendant mounting, 1 and 3 lamp models require 4 stems.
- 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 painted after fabrication with white polyester powder coating.
- K.O.'s provided in ends allow individual or continuous row mounting.

**ELECTRICAL**

- cULus listed for direct mounting on low density ceilings and damp locations.
- Self-contained fluorescent emergency power packs can be incorporated, listed for dry locations.

**ENCLOSURES**

- Mitered corner door frames painted after fabrication with a choice of flat aluminum or regressed aluminum.
- Door frames standard with guide post spring loaded latches.
- Prismatic acrylic pattern 12 lens standard (01). Other lenses or louvers optional.
- Can be hinged and latched from either side.

**CATALOG NUMBER**

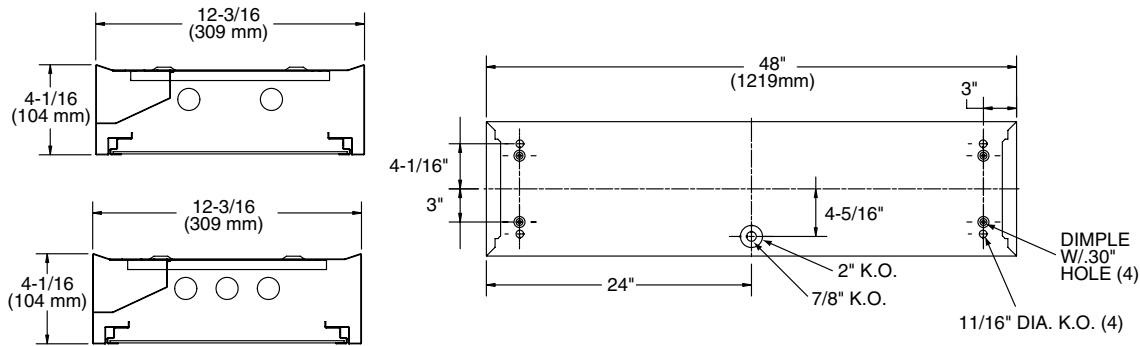
<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center; font-weight: bold;">1</div> <p><b>WIDTH</b> 1 - 1'</p>	<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p><b>NO. OF LAMPS</b> (not included) 1 2 3 (except 54HO)</p>	<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p><b>DOOR FRAME</b> FA - Flat Aluminum RA - Regressed Alum.</p>	<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p><b>VOLTAGE</b> 120 277 347 UNV - Universal Voltage, 120-277 volt</p>	<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p><b>OPTIONS</b></p>
<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p><b>FIXTURE FAMILY</b> SMR - Surface Modular</p>	<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p><b>LAMP TYPE/WATTAGE</b> 28 - 28WT5 (46") 32 - 32WT8 (48") 54HO - 54WT5HO (46")</p>	<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div> <p><b>LENS</b> 01 - Pattern 12 prismatic acrylic 12 - DB-12, .125" nominal 19 - DB-19, .156" nominal 21 - Pattern 12, .125" nominal 30 - 1/2"x1/2"x1/2" silver plastic louver 34 - 1-1/2"x1-1/2"x1-1/2" silver plastic louver 52 - 3/4"x3/4"x1/2" silver plastic louver</p> <p>See page 401-SR for Lens Option Information.</p>	<p>1/1 - One 1-lamp ballast 1/2 - One 2-lamp ballast 1/3 - One 3-lamp ballast 1/21 - 2-lamp &amp; 1-lamp ballasts EB - Electronic ballast, &lt;20% THD EB10I - T8 electronic ballast, instant start, &lt;10% THD EB10R - Electronic ballast, program rapid start, &lt;10% THD EBHE - T8 electronic ballast, high efficiency, std. ballast factor EBLHE - T8 electronic ballast, high efficiency, low ballast factor EBHHE - T8 electronic ballast, high efficiency, high ballast factor EBSD - T8 electronic ballast, step dimming, std. (.88) ballast factor EBD - Electronic dimming ballast ESNOLP - Electronic ballast for energy saving (25/28/30W) T8 lamps, use when lamps are not specified with the luminaire E1 - DEB-1 emerg. ballast, T8, 350-450 lumens, 120/277V E1CAN - DEB-1 emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V E7 - DEB-7 emerg. ballast, T8, 600-700 lumens E5 - DEB-5 emerg. ballast, US or Canada market, T8, 1100-1400 lumens, 120/277V E5CAN - DEB-5 emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V E5ST - DEB-5ST emerg. ballast w/self test, T8, 1100-1400 lumens E7LP - DEB-7LP emerg. ballast T8/T5/T5HO, 430-700 lumens E6LP - DEB-6LP emerg. ballast, US or Canada market, T8/T5/T5HO, 750-1325 lumens, 120/277V GLR# - Fusing, fast blow (# = number of ballasts) 1W - 1-way gasketing, between lens &amp; door frame 2W - 2-way gasketing, 1W + gasketing between door frame &amp; housing</p>	

See section 1600-OA for option information.  
See page 950-SS for mounting hardware.

**JOB INFORMATION**



DIMENSIONS



PHOTOMETRIC DATA

CATALOG # 1SMR232-FA01-1/2-EB LAMPS = F32T8 INPUT WATTS = 56 LER = 63  
 TEST #25373 S/MH=1.3 BALLAST = ELECTRONIC BALLAST FACTOR = .88 TER = 56  
 FIXTURE EFFICIENCY= 70.2%

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.81 BASED ON 3000 HRS. AND \$.08 PER KWH.

CANDLEPOWER				
Angle	End	45	Cross	
0	1688	1688	1688	
5	1688	1686	1679	
10	1667	1673	1675	
15	1630	1653	1666	
20	1581	1620	1647	
25	1511	1576	1613	
30	1426	1514	1549	
35	1297	1411	1418	
40	1144	1246	1221	
45	976	1000	1005	
50	791	773	761	
55	603	562	559	
60	444	371	422	
65	322	229	315	
70	235	156	234	
75	173	145	174	
80	114	124	111	
85	67	80	64	

MAINTAINED ILLUMINATION TABLE- Square Feet/ Fixture*						
■ 80-50-20 Reflectances (Ceiling-Wall-Floor) ■ LLF = 0.75 2850 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
1' X 4'	5	-	106	64	46	32
2-Lamp	2	-	75	45	32	-
T8	1	-	56	34	-	-

COEFFICIENT OF UTILIZATION						
pfc	20		70		50	
pcc	80	30	70	50	30	50
pw	70	50	30	70	50	30
RCR	0		1		2	
0	83	83	83	81	81	81
1	77	73	71	75	72	69
2	70	66	61	68	65	60
3	65	58	54	64	57	53
4	59	53	46	58	52	46
5	56	47	41	54	46	40
6	52	42	36	51	41	36
7	47	39	34	46	39	33
8	45	35	29	44	35	29
9	41	33	28	40	33	27
10	40	30	25	39	29	25

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS				
ANGLE	END	45°	CROSS	
45	4823	4941	4966	
55	3673	3423	3405	
65	2662	1893	2604	
75	2335	1957	2349	
85	2686	3207	2566	

TYPICAL V.C.P.'s				
Room Size	Mounting Height			
	Lengthwise	8.5	10	Crosswise
30x30	53	58	53	58
40x40	48	53	49	53
60x30	55	60	55	60
60x60	43	47	44	48
100x100	40	42	42	43

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1350	23.7	33.7
0-40	2210	38.8	55.2
0-60	3495	61.3	87.3
0-90	4004	70.2	100.0

LLF = .75 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90  
 LLD = 0.91 @ 40% RATED LAMP LIFE BF = 0.88 ELECTRONIC BALLAST & T8 LAMP (RELAMP AT 70% LAMP LIFE)

PHOTOMETRIC DATA

CATALOG # 1SMR332-FA01-1/3-EB LAMPS = F32T8 INPUT WATTS = 80 LER = 63  
 TEST #25075 S/MH=1.3 BALLAST = ELECTRONIC BALLAST FACTOR = .88 TER = 56  
 FIXTURE EFFICIENCY= 66.8%

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.81 BASED ON 3000 HRS. AND \$.08 PER KWH.

CANDLEPOWER				
Angle	End	45	Cross	
0	2515	2515	2515	
5	2510	2510	2504	
10	2478	2489	2490	
15	2427	2446	2462	
20	2345	2388	2416	
25	2238	2303	2339	
30	2099	2188	2216	
35	1911	2026	2007	
40	1662	1759	1708	
45	1397	1416	1374	
50	1111	1079	1030	
55	844	755	761	
60	617	501	573	
65	443	304	431	
70	319	217	321	
75	238	206	238	
80	155	174	151	
85	92	104	83	

MAINTAINED ILLUMINATION TABLE- Square Feet/ Fixture*						
■ 80-50-20 Reflectances (Ceiling-Wall-Floor) ■ LLF = 0.75 2850 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
1' X 4'	5	-	-	91	65	46
3-Lamp	2	-	108	65	46	33
T8	1	-	81	49	35	-

COEFFICIENT OF UTILIZATION						
pfc	20		70		50	
pcc	80	30	70	50	30	50
pw	70	50	30	70	50	30
RCR	0		1		2	
0	80	80	80	78	78	73
1	73	70	68	71	68	66
2	68	63	58	66	61	57
3	61	56	51	60	55	51
4	57	50	45	56	50	47
5	53	46	40	52	45	40
6	50	40	35	47	40	34
7	46	38	32	45	36	32
8	42	34	28	41	34	28
9	40	32	27	39	32	27
10	38	29	25	36	28	23

AVERAGE LUMINANCE CD/SQ.M WITH 2850 LUMEN LAMPS				
ANGLE	END	45°	CROSS	
45	6903	6997	6789	
55	5141	4599	4636	
65	3662	2513	3563	
75	3213	2781	3213	
85	3688	4169	3327	

TYPICAL V.C.P.'s				
Room Size	Mounting Height			
	Lengthwise	8.5	10	Crosswise
30x30	45	50	45	50
40x40	40	44	41	45
60x30	47	52	47	52
60x60	36	39	37	40
100x100	34	35	36	37

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1988	23.2	34.8
0-40	3225	37.7	56.5
0-60	5015	58.7	87.8
0-90	5710	66.8	100.0

LLF = .75 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90  
 LLD = 0.91 @ 40% RATED LAMP LIFE BF = 0.88 ELECTRONIC BALLAST & T8 LAMP (RELAMP AT 70% LAMP LIFE)



© 2014 Koninklijke Philips N.V. All rights reserved.  
 Specifications are subject to change without notice.  
[www.philips.com/luminaires](http://www.philips.com/luminaires)

Philips Lighting  
 North America Corporation  
 200 Franklin Square Drive  
 Somerset, NJ 08873  
 Phone: 855-486-2216

Philips Lighting Company  
 281 Hillmount Road  
 Markham ON, Canada L6C 2S3  
 Phone: 800-668-9008