

Perimeter CS1

Fluorescent . Perimeter



A minimum order value of \$2,500 is required for any order of CS1/CS2/CS3

CAT #:

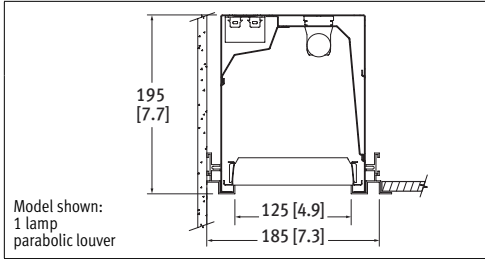
PREP BY:

DATE:

PROJECT:

TYPE:

NOTES:



ORDERING LOGIC

CS1					W			PRM		
# of lamps	Source	Length	Optics	Reflector	Finish	Ballast	Circuitry	Mounting	Voltage	IC
# of Lamps	Source	Optics		Ballast		Mounting		Integrated Control (IC)		
1 1 lamp	T8	SSP = Semi Specular Parabolic Louver		E = Electronic Instant Start (T8)		PRM = Perimeter		= None (leave space empty)		
	T5	W = White Painted Parabolic Louver		R = Programmed Rapid Start (T5 / T5HO)		Voltage		D = Daylight Sensor		
2 2 lamps	T5HO	PL = Prismatic Lens		D1 = 0-10V Dimming		1 = 120 V		O = Occupancy Sensor		
	Length	_ = None (leave space empty)		D2 = DALI		2 = 277 V		DO = Daylight/Occupancy Sensor		
1S 1 lamp staggered	Please consult factory	Reflector		Circuitry		3 = 347 V				
		W = White		1 = 1 Circuit		4 = UNV (120-277 V)				
2S 2 lamps staggered		SSR = Semi Specular Reflector		LR = Left/Right Switching (2 Lamps)						
		Finish		EM = Emergency/Night Light						
		W = White		B = Battery Pack						

SPECIFICATIONS

Due to the Continuous Improvement Policy at Metalumen, we reserve the right to change our specifications without notice.

Housing: Die formed 20 gauge steel body. Staggered option provides 6" overlap.

Trim Extrusions: Extruded aluminum wall finishing and supporting extrusions painted white.

Corner Details: Standard corners include 90 degree inside, 90 degree outside, 45 degree inside and 45 degree outside connectors. Standard corner connectors do

not contain lamping or reflectors.

Optical System: The Perimeter CS1 offers the following options for the 125mm (4.9") opening, including: Semi-Specular Parabolic Louver, Prismatic Lens and Open Downlight. 100% downlight is available with all options.

Finish: Standard white powder coated.

Weight: 2.13 kg/300mm [4.7 lb/ft]

Mounting: Pre-wired sections are

field installed without disassembly by simply attaching the fixture to the aluminum wall-mount rail. An extruded aluminum ceiling trim enables a neat interface in all ceiling applications.

Electrical: Each modular unit is completely pre-wired with its own harness and quick connector. Power can enter anywhere in the system as knockouts are provided every four feet.

Ballast: Instant Start (T8) , Programmed Rapid Start, (T5/T5HO), 0-10V Dimming, DALI

Approvals: Certified to NRTL and IES testing standards. cULus certified.

Environment: Suitable for dry locations.

WARRANTY

Metalumen will warrant a one year parts and labour warranty. Warranty is valid if luminaire is installed and used according to specification. The Ballast will carry a standard 5 year warranty by the manufacturer. If defective, Metalumen will send replacement ballasts or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Metalumen.

FEATURES

COMMERCIAL // Commercial Lighting - With over 30 years of successful architectural lighting, providing unique concept and installation solutions has become second nature. Metalumen's Start to End Development Process results in unique performance, design and architectural requirements from concept through implementation. Metalumen's Lighting Solutions have been applied to customer projects requiring: high profile architectural installations; improved energy efficiency; retrofit installations; unique installations. Metalumen can provide top-quality innovative fixtures when and where they are needed and, at the same time, allow the customer to determine their level of involvement in Metalumen's Start to End Development Process.

PHOTOMETRIC DATA

2 T8 LAMPS

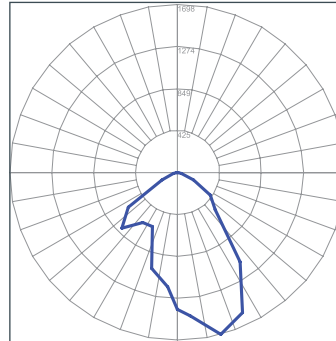
File Name: CS1-2T8-SSP-SSR
Luminaire Lumens: 2443
Total Watts: 78
Efficiency: 42 %
Efficacy: 31 lms/W
Optics: Semi specular parabolic louver
Reflector: Semi specular reflector

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method
 Effective Floor Cavity Reflectance = .20

RC	80				70				50			
	RW	70	50	30	10	70	50	30	10	50	30	10
RCR												
0	50	50	50	50	49	49	49	49	47	47	47	47
1	46	45	43	41	45	44	42	41	42	41	39	39
2	42	39	37	34	41	38	36	34	37	35	33	33
3	39	35	31	29	38	34	31	28	33	30	28	28
4	36	31	27	24	35	30	27	24	29	26	24	24
5	33	27	24	21	32	27	23	21	26	23	21	21
6	30	25	21	18	29	24	21	18	23	20	18	18
7	28	22	19	16	27	22	18	16	21	18	16	16
8	26	20	17	14	25	20	16	14	19	16	14	14
9	24	18	15	13	23	18	15	13	18	15	13	13
10	22	17	14	11	22	17	13	11	16	13	11	11

PHOTOMETRIC CURVE



CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle			
	0.0	22.5	45.0	67.5 90.0
0	1390	1390	1390	1390 1390
5	1461	1500	1397	1320 1260
15	1698	1556	1346	1238 1120
25	1565	1405	1400	1228 1059
35	1104	1033	1089	1110 920
45	539	510	637	801 765
55	401	281	270	355 473
65	177	138	109	80 89
75	38	25	24	17 21
85	6	5	5	4 6
90	0	0	0	0 1

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	4996	5905	7091
55	4582	3085	5405
65	2745	1691	1380
75	962	608	532
85	451	376	451

2 T5HO LAMPS

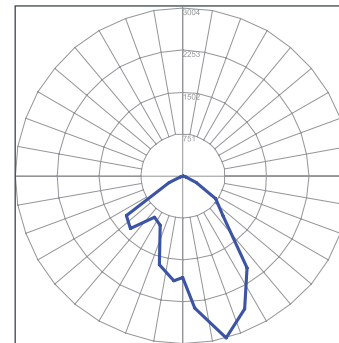
File Name: CS2-2T5HO-SSP-SSR
Luminaire Lumens: 4040
Total Watts: 118
Efficiency: 46 %
Efficacy: 34 lms/W
Optics: Semi specular parabolic louver
Reflector: Semi specular reflector

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method
 Effective Floor Cavity Reflectance = .20

RC	80				70				50			
	RW	70	50	30	10	70	50	30	10	50	30	10
RCR												
0	55	55	55	55	53	53	53	53	51	51	51	51
1	50	49	47	45	49	47	46	44	46	44	43	43
2	46	43	40	37	45	42	39	37	40	38	36	36
3	42	38	34	31	41	37	34	31	36	33	30	30
4	39	33	29	26	38	33	29	26	32	28	26	26
5	35	30	26	23	34	29	25	23	28	25	22	22
6	33	27	23	20	32	26	22	20	25	22	19	19
7	30	24	20	17	29	24	20	17	23	20	17	17
8	28	22	18	15	27	21	18	15	21	17	15	15
9	26	20	16	14	25	20	16	14	19	16	13	13
10	24	18	15	12	24	18	14	12	18	14	12	12

PHOTOMETRIC CURVE



CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle			
	0.0	22.5	45.0	67.5 90.0
0	1817	1817	1817	1817 1817
5	2375	2308	2131	2006 1685
15	3004	2768	2286	1958 1614
25	2628	2437	2504	2049 1528
35	2004	1809	1852	1919 1354
45	1007	959	1113	1392 1117
55	709	496	484	616 698
65	273	225	175	131 137
75	49	31	34	28 36
85	3	3	4	5 8
90	0	0	0	0 0

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	9334	10317	10354
55	8102	5531	7976
65	4234	2714	2125
75	1241	861	912
85	226	301	602