

DESCRIPTION:

System COSMO® is a series of vapor-tight luminaires for linear fluorescent lamps (T-5 & T-8). The unique esthetics of the housing and diffuser allow installation of COSMO in typical industrial and also more challenging applications such as: offices and interior hallways. COSMO can be installed in both outdoor and indoor locations.

APPLICATION:

System COSMO luminaires are designed to work in damp and heavily soiled areas such as: garages, parking areas, boiler rooms, kitchens, car-washes, production rooms, etc. In addition COSMO's unique esthetics also allow use in modern offices, shops and restaurants.

SPECIFICATIONS:

Construction: Housing, Latches, Internal Reflector Mtg. Brackets, all Precision Injection Molded of UV inhibited Polycarbonate Resin [Bayer Makrolon™] with continuous/seamless robotically inserted gasketing. Clear or opal diffuser of UV inhibited Polycarbonate Resin [Bayer Makrolon™]

Mounting: Fixture Mtg. Brackets die-formed from Stainless Steel (2 supplied per unit)

Shielding: reflector of galvanized steel, High reflectance Powdercoat white finish.

Electrical: Ballasts are a electronic, as selected

Listing: cULus, Wet location to meet US and Canadian Safety Standards

Photometrics: Detailed photometric data in .ies format available on CD-ROM or from our web site: www.essystem-usa.com

Typical Catalog Number:

CO1 132 CL - XX = COSMO_1 with HF electronic ballast, Clear diffuser

Lamp: 1 x 32W T-8, for 2 lamp version - change **132** to **232**

Distribution: Direct

Options:

Opal diffuser: change **CL** to **OP**

Electrical [XX]: Dimming [1-10V: **X1**, Lutron: **XL**], Emergency Battery Pack: **XB**

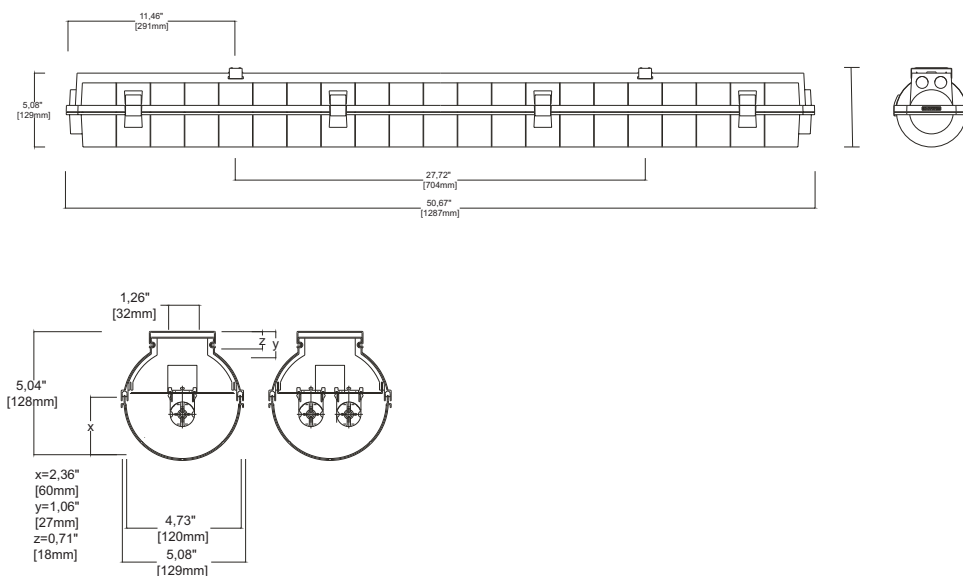
Type: _____
 Project: _____
 QTY: _____
 Catalog No.: _____
 Lamp: _____



COSMO_1

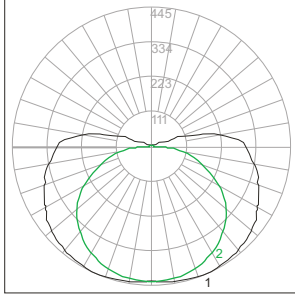


COSMO_1



PHOTOMETRICS

CO1_1xT8 32W



UL listed under UL File
No. E307841-1
Lumen Multiplier Opal Diffuser = 0,85

Coefficients Of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

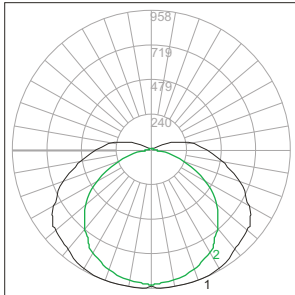
RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	90	90	90	90	87	87	87	87	82	82	82	76	76	76	72	72	72	69
1	79	74	70	65	76	71	67	64	66	63	60	62	59	57	58	56	53	51
2	71	63	56	51	68	61	55	49	56	51	47	52	48	45	49	45	42	40
3	64	54	47	41	61	52	45	40	49	43	38	45	40	36	42	38	34	32
4	58	47	40	34	55	46	38	33	43	36	31	40	34	30	37	32	29	27
5	53	42	34	28	51	40	33	28	38	31	27	35	30	26	33	28	24	22
6	49	37	30	24	47	36	29	24	34	28	23	32	26	22	30	25	21	19
7	45	34	26	21	43	33	26	21	31	24	20	29	23	19	27	22	19	17
8	42	30	23	19	40	30	23	18	28	22	18	26	21	17	25	20	16	15
9	39	28	21	17	37	27	21	16	25	20	16	24	19	15	23	18	15	13
10	36	26	19	15	35	25	19	15	23	18	14	22	17	14	21	16	13	12

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	353.41	12.60	16.30
0-40	603.52	21.60	27.80
0-60	1191.46	42.60	54.80
0-90	1939.19	69.30	89.20
90-120	213.81	7.60	9.80
90-130	222.16	7.90	10.20
90-150	231.35	8.30	10.60
90-180	235.64	8.40	10.80
0-180	2174.83	77.70	100.00

Total Luminaire Efficiency = 78%

CO1_2xT8 32W



UL listed under UL File
No. E307841-1
Lumen Multiplier Opal Diffuser = 0,85

Coefficients Of Utilization - Zonal Cavity Method
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	87	87	87	87	84	84	84	84	79	79	79	74	74	74	69	69	69	67
1	77	72	68	65	74	70	66	63	65	62	60	61	59	56	57	55	53	51
2	69	62	56	51	66	60	54	49	56	51	47	52	48	45	49	46	43	41
3	62	53	46	41	60	52	45	40	48	43	38	45	41	37	42	38	35	33
4	57	47	39	34	54	45	38	33	42	37	32	40	35	31	37	33	30	28
5	52	41	34	29	50	40	33	28	38	32	27	35	30	26	33	29	25	23
6	48	37	30	25	46	36	29	24	34	28	23	32	27	23	30	25	22	20
7	44	33	26	21	42	32	26	21	30	25	20	29	24	20	27	23	19	17
8	41	30	24	19	39	29	23	19	28	22	18	26	21	18	25	20	17	15
9	38	28	21	17	37	27	21	17	25	20	16	24	19	16	23	18	15	14
10	36	25	19	15	34	25	19	15	23	18	15	22	18	14	21	17	14	12

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	750.87	13.40	18.00
0-40	1270.97	22.70	30.50
0-60	2463.44	44.00	59.10
0-90	3769.03	67.30	90.40
90-120	355.05	6.30	8.50
90-130	374.59	6.70	9.00
90-150	393.93	7.00	9.40
90-180	400.66	7.20	9.60
0-180	4169.69	74.50	100.00

Total Luminaire Efficiency = 74%