

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 allows 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 diffuser of UV inhibited Polycarbonate Resin [Bayer Makrolon™]

Housing wet painted in silver colour with environment friendly paints

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

Shielding: Parabolic Louvers Die-formed of MIRO-T high purity Specular Aluminum for low brightness, high efficiency and visual comfort.

Electrical: Ballasts are 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:

CO5 128 XX = COSMO_5 with silver housing, 1 x 28W T-5.

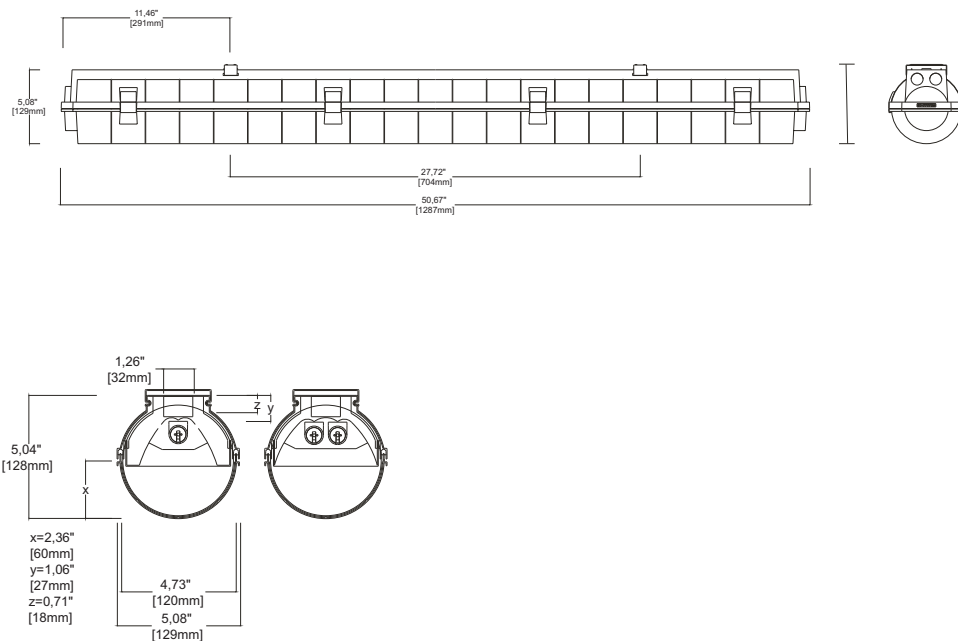
Parabolic louver in standard; direct light distribution

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

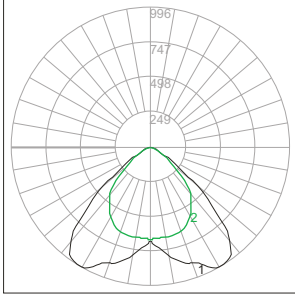
Type: _____
 Project: _____
 QTY: _____
 Catalog No.: _____
 Lamp: _____



COSMO_5



CO5ALS_1xT5 28W



UL listed under UL File
No. E307841-1
Lumen Multiplier 28W/54W = 0,58

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

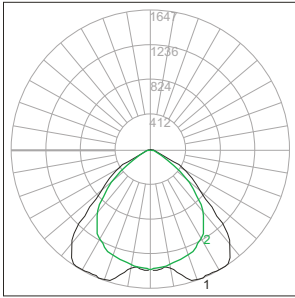
RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	85	85	85	85	83	83	83	83	79	79	79	76	76	76	73	73	73	71
1	79	77	74	72	78	75	73	71	72	71	69	70	68	67	67	66	65	64
2	74	69	65	62	72	68	64	61	65	62	60	63	61	58	61	59	57	56
3	68	62	57	53	67	61	56	53	59	55	52	57	54	51	55	53	50	49
4	63	56	51	46	62	55	50	46	53	49	46	52	48	45	50	47	44	43
5	59	51	45	41	57	50	44	41	48	44	40	47	43	40	46	42	39	38
6	54	46	40	36	53	45	40	36	44	39	36	43	39	35	42	38	35	34
7	50	42	36	32	49	41	36	32	40	35	32	39	35	32	38	34	31	30
8	47	38	33	29	46	38	32	29	37	32	29	36	32	28	35	31	28	27
9	44	35	30	26	43	35	29	26	34	29	26	33	29	26	32	28	26	24
10	41	32	27	24	40	32	27	23	31	27	23	31	26	23	30	26	23	22

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	642.54	24.70	34.60
0-40	1122.68	43.20	60.50
0-60	1769.21	68.00	95.30
0-90	1853.35	71.30	99.90
90-120	2.65	0.10	0.10
90-130	2.65	0.10	0.10
90-150	2.65	0.10	0.10
90-180	2.65	0.10	0.10
0-180	1856.01	71.40	100.00

Total Luminaire Efficiency = 71%

CO5ALS_2xT5 28W



UL listed under UL File
No. E307841-1
Lumen Multiplier 28W/54W = 0,58

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	83	83	83	83	81	81	81	81	77	77	77	73	73	73	70	70	70	68
1	77	74	72	69	75	72	70	68	69	67	66	66	65	64	64	63	61	60
2	71	66	62	59	69	65	61	58	62	59	57	60	57	55	58	56	54	52
3	66	59	55	51	64	58	54	50	56	52	49	54	51	48	52	50	47	46
4	61	53	48	44	59	53	48	44	51	46	43	49	45	42	47	44	42	40
5	56	48	43	39	55	47	42	38	46	41	38	44	40	37	43	40	37	35
6	52	44	38	34	51	43	38	34	42	37	34	41	36	33	39	36	33	31
7	49	40	34	30	47	39	34	30	38	33	30	37	33	30	36	32	29	28
8	45	37	31	27	44	36	31	27	35	30	27	34	30	27	33	29	27	25
9	42	34	28	25	41	33	28	25	32	28	24	31	27	24	31	27	24	23
10	40	31	26	22	39	31	26	22	30	25	22	29	25	22	28	25	22	21

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	1239.47	23.80	34.20
0-40	2090.7	40.20	57.60
0-60	3279.27	63.10	90.40
0-90	3551.53	68.30	97.90
90-120	72.29	1.40	2.00
90-130	75.21	1.40	2.10
90-150	75.21	1.40	2.10
90-180	75.21	1.40	2.10
0-180	3626.74	69.70	100.00

Total Luminaire Efficiency = 70%