

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: Coloured Translucent Housing, Clear Diffuser, Latches, Internal Ballast & Louver Mtg. Brackets, Latches all Precision Injection Molded of UV inhibited Polycarbonate Resin [Bayer Makrolon™] with continuous/seamless robotically inserted gasketing

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

Shielding: Parabolic Louvers [where applicable] Die-formed of MIRO-T high purity Specular Aluminum for low brightness, high efficiency and visual comfort, Matte finish MIRO louver available as an option.

Electrical: All T-5 units supplied with electronic ballasts as standard

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:

CO7 - BL 128 ALS LBL - XX = COSMO_7 with Blue housing, 1 x 28W T-5 w/ Up-light + Blue LED **Lamps: 128** = 1 x 28W T-5, for 2 lamp change **128 to 228**, for HO versions change **128 to 154**

Hsg. Color Options:

- CO7 PK = Pink back housing Co7 BL = Blue back housing
- CO7 - VL = Violet back housing CO7 - RD = Red back housing
- CO7 - GR = Green back housing CO7 - AR = Amber back housing

Louver Options : () No louver; (ALS) Specular or (ALM) Matt parabolic aluminum louver

LED Options : (LBL) Blue LED, (LGR) Green LED, (LRD) Red LED, (LAR) Amber LED; (LWE) White LED

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

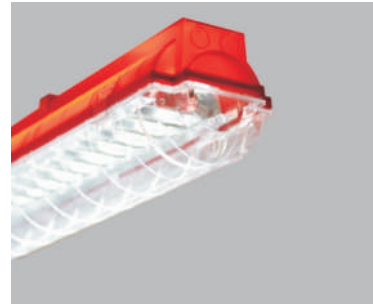
Type: _____

Project: _____

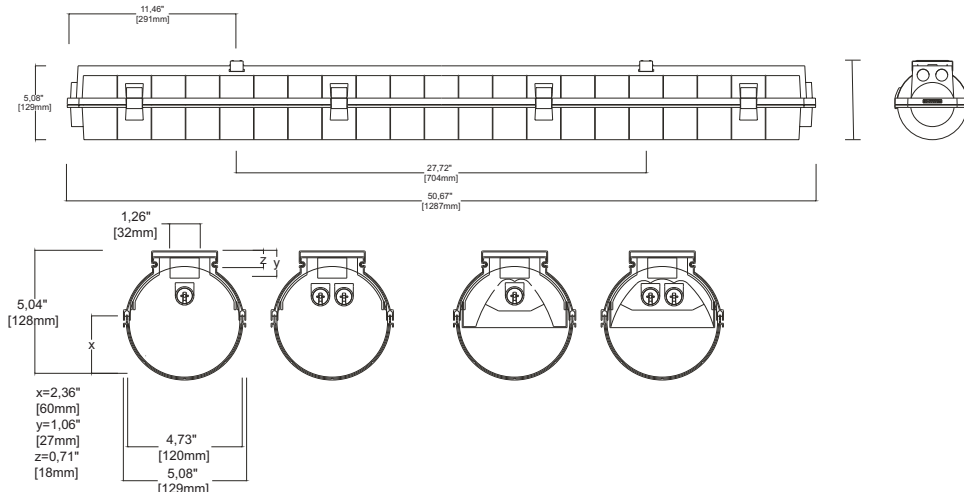
QTY: _____

Catalog No.: _____

Lamp: _____

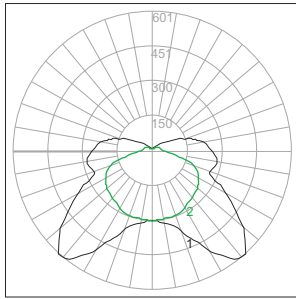


COSMO_7



PHOTOMETRICS

CO7_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

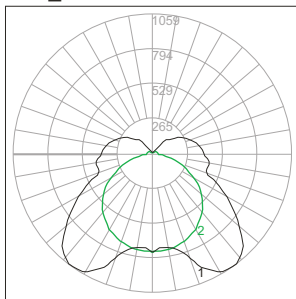
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1	87	82	77	73	83	79	74	70	72	69	65	66	63	61	60	58	56	53
2	78	70	63	57	74	67	60	55	61	56	51	56	52	48	51	48	45	42
3	70	60	52	46	67	58	50	44	53	47	42	48	43	39	44	40	36	34
4	64	52	44	38	61	50	42	36	46	39	34	42	37	32	38	34	30	28
5	58	46	38	31	55	44	36	30	41	34	29	37	31	27	34	29	25	23
6	53	41	33	27	51	39	32	26	36	29	24	33	27	23	30	25	22	19
7	49	37	29	23	47	35	28	22	32	26	21	30	24	20	27	22	19	17
8	45	33	25	20	43	32	24	19	29	23	18	27	21	17	25	20	16	14
9	42	30	23	18	40	29	22	17	27	20	16	25	19	15	23	18	14	13
10	39	27	20	16	37	26	20	15	24	18	14	23	17	14	21	16	13	11

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	279.30	10.70	12.50
0-40	531.42	20.40	23.70
0-60	1198.14	46.10	53.40
0-90	1840.22	70.80	82.10
90-120	320.08	12.30	14.30
90-130	358.84	13.80	16.00
90-150	395.98	15.20	17.70
90-180	401.65	15.40	17.90
0-180	2241.87	86.20	100.00

Total Luminaire Efficiency = 86%

CO7_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

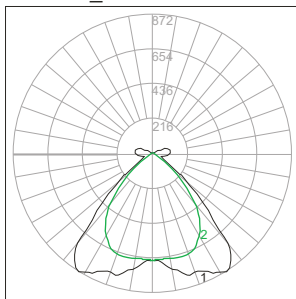
RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	99	99	99	99	94	94	94	94	86	86	86	79	79	79	73	73	37	0
1	88	83	78	74	84	79	75	71	72	69	66	66	64	61	60	58	56	53
2	79	71	64	59	75	68	62	57	62	57	53	57	53	49	52	48	46	43
3	71	61	54	47	68	59	52	46	54	48	43	49	44	40	45	41	37	35
4	65	54	46	39	61	51	44	38	47	41	36	43	38	34	39	35	31	29
5	59	47	39	33	56	45	38	32	42	35	30	38	33	28	35	30	27	24
6	54	42	34	28	51	41	33	28	37	31	26	34	29	25	31	27	23	21
7	50	38	30	25	47	36	29	24	34	27	23	31	25	21	28	24	20	18
8	46	34	27	22	44	33	26	21	30	24	20	28	23	19	26	21	18	16
9	43	31	24	19	41	30	23	19	28	22	18	26	20	17	24	19	16	14
10	40	29	22	17	38	28	21	17	26	20	16	24	19	15	22	17	14	12

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	660.01	12.70	14.70
0-40	1205.69	23.20	26.90
0-60	2464.57	47.40	55.00
0-90	3615.99	69.50	80.70
90-120	659.17	12.70	14.70
90-130	773.16	14.90	17.30
90-150	852.58	16.40	19.00
90-180	863.78	16.60	19.30
0-180	4479.77	86.10	100.00

Total Luminaire Efficiency = 86%

CO7ALS_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

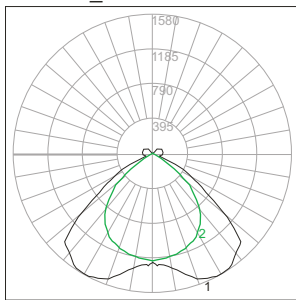
RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	93	93	93	93	90	90	90	90	83	83	83	77	77	77	72	72	72	69
1	86	82	79	76	82	79	76	74	74	72	70	69	67	65	64	63	62	59
2	79	73	68	64	76	71	66	63	66	63	60	62	59	57	58	56	54	51
3	73	65	60	55	70	63	58	54	59	55	52	56	52	49	53	50	47	45
4	67	59	53	48	65	57	51	47	54	49	45	51	47	43	48	44	42	40
5	62	53	47	42	60	52	46	41	49	44	40	46	42	38	43	40	37	35
6	58	48	42	37	56	47	41	36	44	39	35	42	38	34	40	36	33	31
7	54	44	37	33	52	43	37	32	41	35	31	38	34	31	37	33	30	28
8	50	40	34	30	48	39	33	29	37	32	28	35	31	27	34	30	27	25
9	47	37	31	27	45	36	30	26	34	29	26	33	28	25	31	27	24	23
10	44	34	28	24	42	33	28	24	32	27	23	30	26	23	29	25	22	21

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	616.17	23.70	29.40
0-40	1056.88	40.60	50.50
0-60	1599.66	58.10	76.40
0-90	1800.45	69.20	86.00
90-120	220.43	8.50	10.50
90-130	256.61	9.90	12.30
90-150	290.65	11.20	13.90
90-180	292.72	11.30	14.00
0-180	2093.17	80.50	100.00

Total Luminaire Efficiency = 80%

CO7ALS_2xT5 28W



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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	88	88	88	88	85	85	85	85	80	80	80	75	75	75	71	71	71	69
1	81	78	75	73	79	76	73	71	72	69	68	68	66	64	64	63	61	60
2	75	69	65	61	72	67	63	60	64	60	58	60	58	55	57	55	53	51
3	69	62	56	52	66	60	55	51	57	53	49	54	51	48	52	49	46	44
4	63	55	49	45	61	54	48	44	51	46	43	49	45	41	46	43	40	38
5	58	49	43	39	56	48	42	38	46	41	37	44	40	36	42	38	35	34
6	54	45	38	34	52	44	38	33	42	36	33	40	35	32	38	34	31	30
7	50	40	34	30	48	40	34	30	38	33	29	36	32	28	35	31	28	26
8	46	37	31	27	45	36	30	26	35	29	26	33	29	25	32	28	25	23
9	43	34	28	24	42	33	27	24	32	27	23	30	26	23	29	25	22	21
10	41	31	25	22	39	30	25	21	29	24	21	28	24	21	27	23	20	19

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	1086.54	20.90	27.80
0-40	1887.48	36.30	48.30
0-60	3224.01	62.00	82.50
0-90	3575.98	68.80	91.60
90-120	230.31	4.40	5.90
90-130	282.10	5.40	7.20
90-150	327.09	6.30	8.40
90-180	329.93	6.30	8.40
0-180	3905.97	5.10	100.00

Total Luminaire Efficiency = 75%