

DATE \_\_\_\_\_

JOB NAME \_\_\_\_\_

TYPE \_\_\_\_\_

Features	Applications
<ul style="list-style-type: none"> <li>• Glare-free downlight</li> <li>• Available with opal white lens or cross baffle blade</li> <li>• Can be suspended or wall mounted</li> <li>• 85% Efficiency</li> </ul>	<ul style="list-style-type: none"> <li>• Offices</li> <li>• Corridors</li> <li>• Retail Stores</li> </ul>

Series	Size	Lamps	Watts	Voltage	Mounting	Option
KCLO	4FT 8FT XFT (CONTINUOUS ROW MOUNTING)	1 2	28WT5 54WT5HO	120 277 UNV	AC—Aircraft Cable (24", 36" standard, 48") WB—Wall Bracket	EM-EM Pack EM2-EM Pack, 2 Light DB-Dimming Ballast SC-Separate Circuit CC-Custom Color OP-Opal White Lens CB-Cross Blade Baffle (specify) UP- 100% Uplight

**Details**

**Application Features:** Specification grade, high performance architectural luminaire. For use in indoor applications where a T5 or T5HO direct/indirect luminaire with minimum profile, maximum uplight as well as glare-free downlight is required. Available as individual fixtures or with end and intermediate units for mounting in continuous rows. Available in suspended or wall mounted configurations. Hanging points are 1/2" from either end of the fixture.

**Construction:** Durable cold rolled 20 ga. steel body. Sufficient knock-outs provided for connections and through wiring. Body is 2 inches high and 7 inches wide.

**Finish:** Highly reflective white powder coated finish.

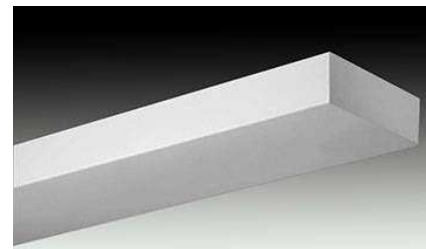
**Light Distribution:**  
 Indirect-75%. Direct-25%(lens)  
 Indirect-70%. Direct-30%(baffle) or  
 Indirect- 10% Direct-90% (w/ slotted reflector)  
 Indirect- 100% Direct- 0%

**Electrical:** Electronic ballasts are class P, thermally protected.

**Approvals:** UL Listed for damp location.

**Optics:** Opal White Acrylic Lens or Cross Blade Baffle.

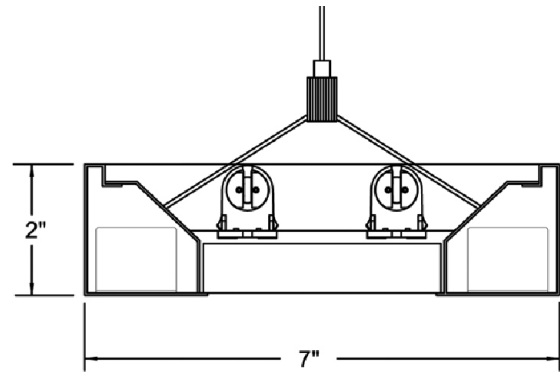
**Options:** Emergency Battery Backup, Dimming Ballast, Separate Circuit, Custom Colors, Opal White Acrylic Lens, Cross Blade Baffle.



SHOWN WITH SOLID BODY FOR ALL UPLIGHT CONFIGURATION

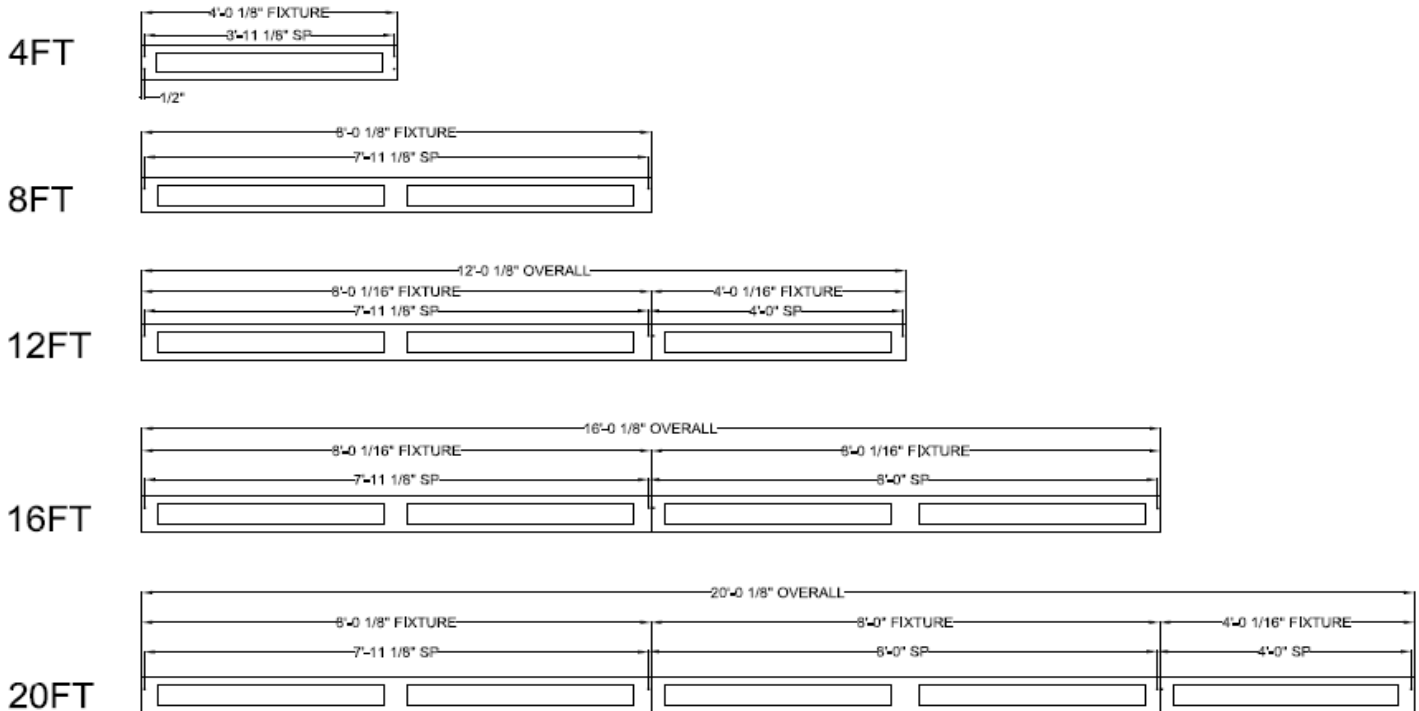


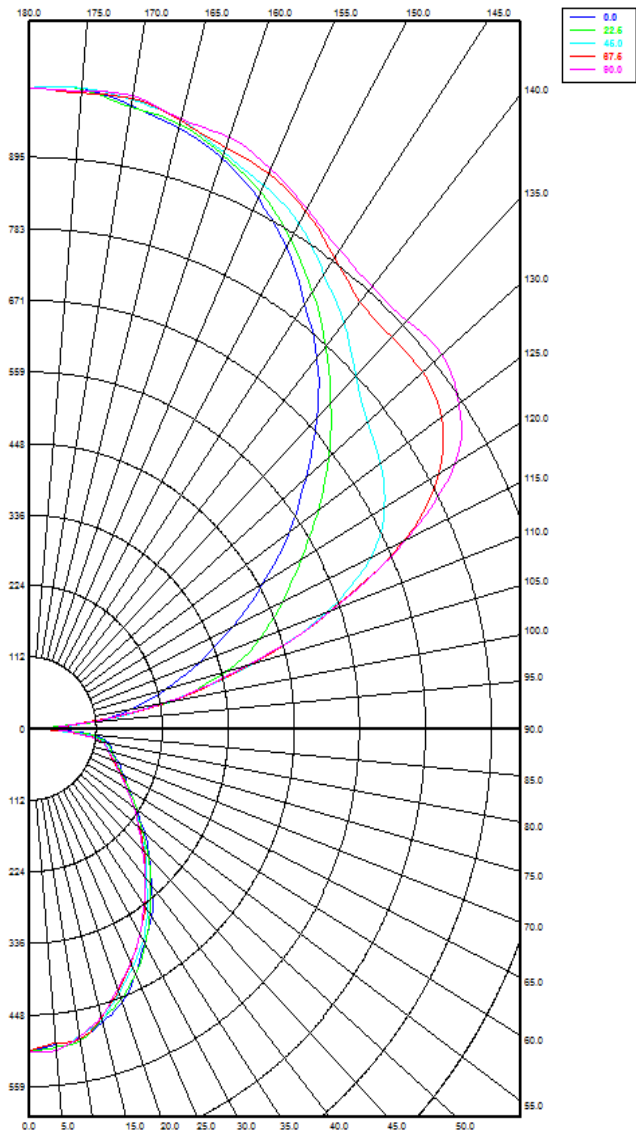
SHOWN WITH BAFFLE



CROSS SECTION

**Fixture/Hanging Point Dimensions:**





Candela Distribution:

	0.0	22.5	45.0	67.5	90.0
0.0	504.62	504.62	504.62	504.62	504.62
5.0	495.95	500.15	505.14	493.75	504.96
10.0	491.93	494.72	487.73	492.72	488.03
15.0	474.75	471.31	470.26	467.57	466.41
20.0	455.77	449.93	440.45	437.23	433.48
25.0	423.67	423.52	411.14	405.03	403.66
30.0	387.98	391.05	383.00	372.88	372.76
35.0	359.80	353.44	346.39	340.42	336.45
40.0	320.20	316.98	307.21	302.41	303.29
45.0	286.39	284.27	276.42	274.29	269.86
50.0	253.34	247.70	243.26	241.50	240.56
55.0	220.43	219.82	215.33	215.46	215.51
60.0	195.12	194.52	190.50	190.68	190.84
65.0	176.75	174.59	172.53	172.28	169.19
70.0	160.61	156.46	154.55	151.09	153.11
75.0	146.14	144.54	139.21	138.07	138.27
80.0	136.59	132.88	127.34	123.97	123.65
85.0	99.54	92.29	82.04	75.84	73.10
90.0	21.69	16.14	10.54	8.96	8.00
95.0	93.11	98.32	91.04	85.04	82.55
100.0	173.52	235.69	235.20	231.64	230.26
105.0	238.88	343.91	391.71	387.46	382.75
110.0	305.87	415.25	538.30	548.18	552.41
115.0	380.69	472.48	640.38	700.99	705.43
120.0	455.16	529.68	695.41	800.83	833.84
125.0	533.95	593.90	726.16	853.26	888.96
130.0	608.68	663.06	748.07	869.77	913.29
135.0	686.56	722.88	783.16	868.36	904.59
140.0	756.66	782.04	830.41	873.14	904.80
145.0	811.37	834.01	869.74	902.45	916.20
150.0	869.96	883.94	912.68	934.81	939.93
155.0	915.18	925.95	938.34	958.81	966.71
160.0	950.70	955.39	959.94	968.90	985.84
165.0	974.35	980.22	987.12	985.76	987.82
170.0	990.55	988.13	999.62	1002.17	1006.03
175.0	1006.80	1005.24	1006.93	999.63	1001.88
180.0	1003.86	1003.86	1003.86	1003.86	1003.86

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0- 30	371	6.4	7.3
0- 40	587	10.1	11.6
0- 60	996	17.2	19.6
0- 90	1401	24.1	27.6
90-120	1065	18.4	21.0
90-150	2863	49.4	56.4
90-180	3674	63.3	72.4
0-180	5075	87.5	100.0

Total Luminaire Optical Efficiency = 87.5%

Coefficients of Utilization - Zonal Cavity Method

pfc = 0.20

pcc-> .8 .7 .5 .3 .0

pw-> .7 .5 .3 .0 .7 .5 .3 .0 .5 .3 .0 .5 .3 .0 .0

RCR

0	89	89	89	89	80	80	80	80	62	62	62	46	46	46	31	31	31	24
1	81	77	73	69	72	69	66	62	54	52	49	40	38	36	25	25	25	19
2	73	67	61	55	65	60	55	50	47	43	39	34	32	30	20	20	20	16
3	67	59	52	45	59	52	47	41	41	37	33	30	28	25	17	17	17	13
4	61	52	45	37	54	46	40	34	36	32	27	27	24	21	14	14	14	11
5	56	46	39	32	50	41	35	29	32	28	23	24	21	18	12	12	12	10
6	51	41	34	27	46	37	31	25	29	25	20	22	19	15	11	11	11	8
7	47	37	30	23	42	33	27	21	26	22	17	20	17	13	9	9	9	8
8	44	33	27	20	39	30	24	19	24	19	15	18	15	12	8	8	8	7
9	41	30	24	18	36	27	22	16	22	18	13	16	13	10	8	8	8	6