

LRCLD802 - PHOTOMETRY

8" ARCHITECTURAL SHALLOW LED RETROFIT

LRCLD802WWF100-R12UE - 1200LM

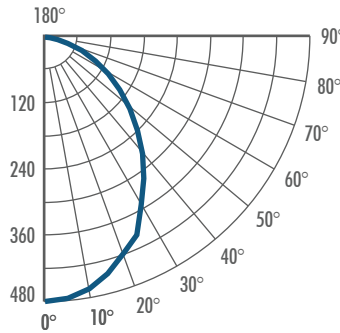
FIXTURE DATE

Lamp: (1) LED, 1400Lm
 Total Rated Fixture Lumen : 1041 Lm
 Total Luminaire Efficacy : 87 Lm/W
 Luminous Diameter : 6.72"
 Color Rendering Index (CRI) : 80 +
 Color Temperature : 4000K
 Estimated Life : 50,000 hrs. L70

	LED Module Lumen	Fixture Lumen	Input Wattage
@ 3000K	1358	1009.0	12W
@ 4000K	1400	1041.0	12W

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixt
0 - 20	169.99	16.30
0 - 30	350.01	33.60
0 - 40	546.30	52.50
0 - 60	880.59	84.60
0 - 80	1029.30	98.90
0 - 90	1041.02	100.00
10 - 90	995.97	95.70
20 - 40	376.31	36.10
20 - 50	560.83	53.90
40 - 70	435.52	41.80
60 - 80	148.71	14.30
70 - 80	47.48	4.60
80 - 90	11.72	1.10



CANDELA TABULATION

CD./SQ.M (FOOTLAMBERTS)

Angle	0
0.0	479.985
5.0	475.899
10.0	464.052
15.0	444.169
20.0	418.066
25.0	396.534
30.0	350.895
35.0	313.528
40.0	276.546
45.0	238.508
55.0	166.810
65.0	102.256
75.0	42.746

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	20		0
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	110	106	102	98	107	103	100	97	99	96	94		92	93	91		92	90	88		86
2	101	93	87	82	98	91	86	81	88	83	79		82	81	77		82	78	75		73
3	93	83	75	69	90	81	74	69	78	72	67		73	71	66		73	69	65		63
4	85	74	66	60	83	73	65	59	70	64	58		66	62	58		66	61	57		55
5	79	67	58	52	77	66	58	52	64	57	51		60	55	51		60	54	50		48
6	73	60	52	46	71	60	52	46	58	51	45		55	50	45		55	49	45		43
7	68	55	47	41	66	54	46	41	53	46	41		50	45	40		50	44	40		38
8	63	51	42	37	62	50	42	37	49	42	37		46	41	36		46	40	36		34
9	59	47	39	33	58	46	38	33	45	38	33		43	38	33		43	37	33		31
10	56	43	36	31	55	43	35	30	42	35	30		40	35	30		40	34	30		28

LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

Angle	Avg. 0-Deg	Avg. 45-Deg	Avg. 90-Deg
45	14727	14727	14727
55	12698	12698	12698
65	10564	10564	10564
75	7211	7211	7211
85	4910	4910	4910

ZONAL LUMINANCE SUMMARY

CD./SQ.M (FOOTLAMBERTS)

Zone	Lumens
0-10	45.05
10-20	124.94
20-30	180.02
30-40	196.29
40-50	184.52
50-60	149.77
60-70	101.23
70-80	47.48
80-90	11.72
90-100	0.00

FOOTCANDLE CHART DATA

Height	Spacing (Ft.)	Avg. FC	Max : Min	Height	Spacing	Avg. FC	Max : Min
8'	5' x 5'	45.1	1.2 : 1	11'	5' x 5'	42.4	1.3 : 1
8'	6' x 6'	32.4	1.1 : 1	11'	6' x 6'	30.8	1.2 : 1
8'	7' x 7'	23.6	1.1 : 1	11'	7' x 7'	22.3	1.1 : 1
8'	8' x 8'	16.9	1.3 : 1	12'	5' x 5'	41.4	1.3 : 1
9'	5' x 5'	44.2	1.2 : 1	12'	6' x 6'	30.2	1.2 : 1
9'	6' x 6'	31.9	1.1 : 1	12'	7' x 7'	21.9	1.1 : 1
9'	7' x 7'	23.2	1.1 : 1	12'	12' x 12'	10.0	1.3 : 1
9'	8' x 8'	16.5	1.4 : 1	15'	5' x 5'	38.6	1.3 : 1
10'	5' x 5'	43.3	1.2 : 1	15'	6' x 6'	28.3	1.3 : 1
10'	6' x 6'	31.4	1.1 : 1	15'	7' x 7'	20.5	1.2 : 1
10'	7' x 7'	22.8	1.1 : 1				
10'	10' x 10'	10.7	1.3 : 1				

LRCLD802 - PHOTOMETRY

8" ARCHITECTURAL SHALLOW LED RETROFIT

LRCLD802WWF240-R25UE - 1900LM

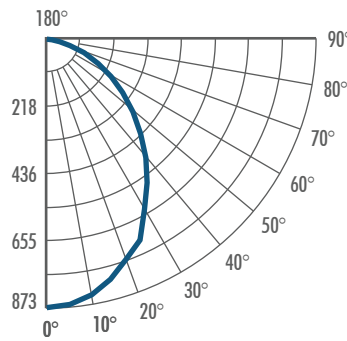
FIXTURE DATE

Lamp: (1) LED, 2400Lm
 Total Rated Fixture Lumen : 1893lm
 Total Luminaire Efficacy : 70 lm/W
 Luminous Diameter : 6.72"
 Color Rendering Index (CRI) : 80 +
 Color Temperature : 4000K
 Estimated Life : 50,000 hrs. L70

	LED Module Lumen	Fixture Lumen	Input Wattage
@ 3000K	2328	1836.2	25W
@ 4000K	2400	1893.0	25W

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixt
0 - 20	309.07	16.30
0 - 30	636.38	33.60
0 - 40	993.28	52.50
0 - 60	1601.07	84.60
0 - 80	1871.45	98.90
0 - 90	1892.76	100.00
10 - 90	1810.84	95.70
20 - 40	684.21	36.10
20 - 50	1019.69	53.90
40 - 70	791.86	41.80
60 - 80	270.38	14.30
70 - 80	86.32	4.60
80 - 90	21.30	1.10



CANDELA TABULATION

CD./SQ.M (FOOTLAMBERTS)

Angle	0
0.0	872.70
5.0	865.27
10.0	843.73
15.0	807.58
20.0	760.12
25.0	720.97
30.0	637.99
35.0	570.05
40.0	502.81
45.0	433.65
55.0	303.29
65.0	185.92
75.0	77.72

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	20	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48
6	73	60	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38
8	63	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34
9	59	47	39	33	58	46	38	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	35	30	42	35	30	41	35	30	40	34	30	28

LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

Angle	Avg. 0-Deg	Avg. 45-Deg	Avg. 90-Deg
45	26776	26776	26776
55	23087	23087	23087
65	19208	19208	19208
75	13111	13111	13111
85	8927	8927	8927

ZONAL LUMINANCE SUMMARY

CD./SQ.M (FOOTLAMBERTS)

Zone	Lumens
0-10	81.91
10-20	227.16
20-30	327.32
30-40	356.89
40-50	335.48
50-60	272.31
60-70	184.06
70-80	86.32
80-90	21.30
90-100	0.00

FOOTCANDLE CHART DATA

Height	Spacing (Ft.)	Avg. FC	Max : Min	Height	Spacing	Avg. FC	Max : Min
8'	8' x 8'	29.5	1.3 : 1	12'	6' x 6'	54.9	1.2 : 1
9'	6' x 6'	58.1	1.1 : 1	12'	7' x 7'	39.8	1.1 : 1
9'	7' x 7'	42.2	1.1 : 1	12'	8' x 8'	27.7	1.5 : 1
9'	8' x 8'	30.0	1.4 : 1	12'	12' x 12'	12.7	1.3 : 1
10'	6' x 6'	54.9	1.2 : 1	14'	14' x 14'	9.4	1.3 : 1
10'	7' x 7'	42.2	1.1 : 1	15'	6' x 6'	51.5	1.2 : 1
10'	8' x 8'	27.7	1.5 : 1	15'	7' x 7'	37.4	1.2 : 1
10'	10' x 10'	19.4	1.3 : 1	15'	8' x 8'	25.7	1.6 : 1
				18'	6' x 6'	48.0	1.3 : 1
				18'	7' x 7'	34.8	1.2 : 1
				18'	8' x 8'	23.8	1.6 : 1