

Photometric Report

CATALOG NUMBER: AR621-4-X-LP/LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR621-4-LP-LP-T8 LTL101113.IES

IESNA:LM-63-2002
[TEST] LTL101113
[MANUFAC] PRECISION ARCHITECTURAL LIGHTING
[LUMCAT] AR621-4-X-LP/LP-X-X-T8
[LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST ALUMINUM
[MORE] END CAPS AND HIGH REFLECTANCE WHITE ENAMEL ALUMINUM
[MORE] REFLECTOR WITH LINEAR PRISMATIC ACRYLIC LENS UP AND
[MORE] LINEAR PRISMATIC ACRYLIC LENS DOWN
[LAMP] FOUR PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

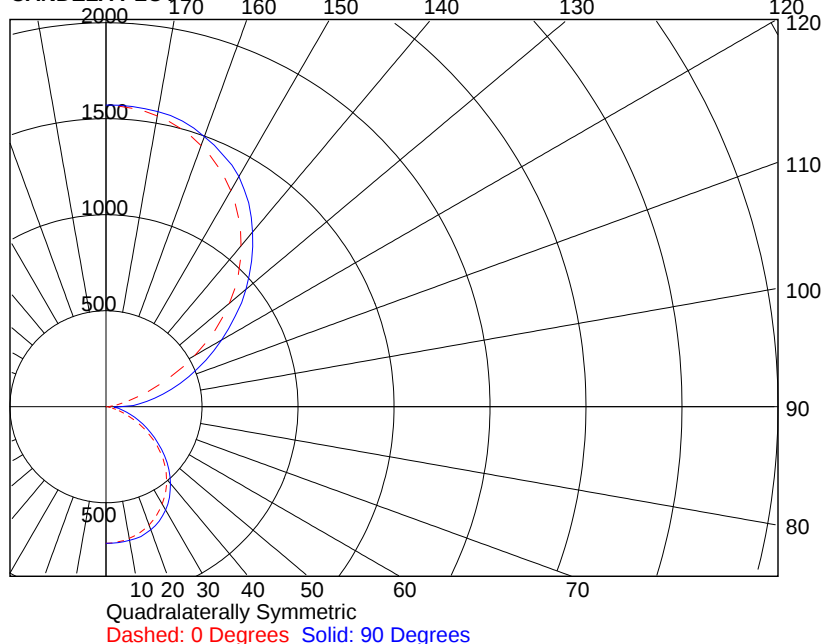
SUMMARY DATA

EFFICIENCY (Total): 54.2 %
EFFICIENCY (Downlight): 16.1 %
EFFICIENCY (Uplight): 38.1 %
CIE CLASSIFICATION: SEMI-INDIRECT
SPACING CRITERION (0-Deg.): 1.22
SPACING CRITERION (90-Deg.): 1.29
LUMENS/LAMP: 2950
NO. OF LAMPS: 4
LUMINOUS OPENING: RECTANGULAR
Width: 0.27 (Feet)
Length: 4.00
Height: 0.04
INPUT WATTS: 106

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	557.4	4.7	8.7
0 - 40	908.7	7.7	14.2
0 - 60	1547.9	13.1	24.2
60 - 90	356.4	3.0	5.6
0 - 90	1904.3	16.1	29.8
90 - 180	4493.9	38.1	70.2
0 - 180	6398.3	54.2	100.0

CANDELA PLOT



AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	7087	7087	7087	7087	7087
45	6047	5892	5803	5707	5682
55	5176	5024	4969	4828	4727
65	3687	3909	4044	3870	3787
75	1926	2672	3123	2928	2775
85	626	1592	2553	2319	2203

COEFFICIENT OF UTILIZATION TABLE

Effective Floor Cavity Reflectance = 20%

Pcc ...	80				70				50			30			10			0
Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	.55	.55	.55	.55	.50	.50	.50	.50	.39	.39	.39	.29	.29	.29	.20	.20	.20	.16
1	.51	.48	.46	.44	.45	.43	.42	.40	.34	.33	.32	.26	.25	.24	.18	.18	.17	.14
2	.46	.42	.39	.36	.41	.38	.35	.33	.30	.28	.26	.23	.21	.20	.16	.15	.14	.11
3	.42	.37	.33	.30	.38	.33	.30	.27	.26	.24	.22	.20	.18	.17	.14	.13	.12	.10
4	.38	.33	.29	.25	.34	.30	.26	.23	.23	.21	.19	.18	.16	.15	.13	.11	.11	.08
5	.35	.29	.25	.22	.31	.26	.23	.20	.21	.18	.16	.16	.14	.13	.11	.10	.09	.07
6	.32	.26	.22	.19	.29	.24	.20	.17	.19	.16	.14	.14	.13	.11	.10	.09	.08	.06
7	.30	.23	.19	.16	.27	.21	.18	.15	.17	.14	.12	.13	.11	.10	.09	.08	.07	.06
8	.28	.21	.17	.14	.25	.19	.16	.13	.15	.13	.11	.12	.10	.09	.09	.07	.06	.05
9	.26	.19	.15	.13	.23	.18	.14	.12	.14	.12	.10	.11	.09	.08	.08	.07	.06	.05
10	.24	.18	.14	.11	.21	.16	.13	.10	.13	.10	.09	.10	.08	.07	.07	.06	.05	.04

Reported data calculated from manufacturer's data file, based on IESNA recommended methods.

Photometric Report

CATALOG NUMBER: AR621-4-X-LP/LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR621-4-LP-LP-T8 LTL101113.IES

CANDELA TABLE

Vertical Angle	Horizontal Angles				
	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	711	711	711	711	711
2.5	710	710	710	711	711
5	707	708	709	711	711
7.5	703	704	706	708	709
10	696	698	701	705	706
12.5	689	691	695	701	704
15	680	683	689	697	700
17.5	668	672	681	689	691
20	655	660	671	678	682
22.5	640	646	659	668	670
25	624	631	645	654	657
27.5	604	613	628	637	640
30	585	594	609	617	621
32.5	564	575	589	597	600
35	541	552	567	574	576
37.5	517	528	541	548	548
40	490	504	516	521	522
42.5	464	477	487	492	493
45	433	446	458	462	463
47.5	403	414	425	431	431
50	370	381	395	401	398
52.5	336	349	363	368	364
55	302	316	332	334	330
57.5	265	284	301	301	299
60	231	250	271	272	268
62.5	195	221	242	243	239
65	160	189	213	214	212
67.5	127	161	186	188	183
70	98	134	161	162	158
72.5	72	109	137	137	133
75	52	86	115	116	112
77.5	35	66	97	97	94
80	22	50	79	81	78
82.5	12	36	64	67	65
85	6	24	51	53	52
87.5	2	16	40	43	42
90	1	33	76	77	75
92.5	5	74	153	149	142
95	17	97	184	183	175
97.5	34	123	221	223	215
100	57	154	257	265	257
102.5	85	190	299	308	304
105	124	232	345	355	353
107.5	173	279	393	407	404
110	234	332	444	461	460
112.5	299	390	497	515	514
115	373	455	553	573	574
117.5	455	521	611	634	634
120	534	590	671	695	695
122.5	610	662	733	757	757
125	692	736	800	825	821
127.5	766	811	867	885	890
130	838	882	932	949	952
132.5	909	949	994	1009	1011
135	975	1015	1055	1070	1072
137.5	1037	1076	1115	1130	1131
140	1095	1135	1171	1188	1187
142.5	1152	1188	1223	1242	1243
145	1203	1238	1272	1292	1296
147.5	1252	1286	1315	1339	1341
150	1300	1329	1356	1378	1384
152.5	1342	1368	1392	1412	1419
155	1380	1405	1424	1443	1445
157.5	1416	1434	1456	1470	1474
160	1448	1463	1483	1495	1497
162.5	1476	1486	1507	1521	1522
165	1500	1508	1525	1537	1540

Reported data calculated from manufacturer's data file, based on IESNA recommended methods.

Photometric Report

CATALOG NUMBER: AR621-4-X-LP/LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR621-4-LP-LP-T8 LTL101113.IES

167.5	1522	1528	1541	1551	1553
170	1538	1542	1549	1559	1560
172.5	1552	1555	1559	1566	1566
175	1560	1563	1567	1571	1570
177.5	1567	1568	1570	<u>1573</u>	1572
180	1572	1572	1572	<u>1572</u>	1572