

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	719.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	145.2V x 148.0H
	At 50% of Imax	44.6V x 117.1H
	At 90% of Imax	9.8V x 42.9H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	946.3 lumens per klm.
	To 50% of Imax	295.1 lumens per klm.
	To 90% of Imax	35.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

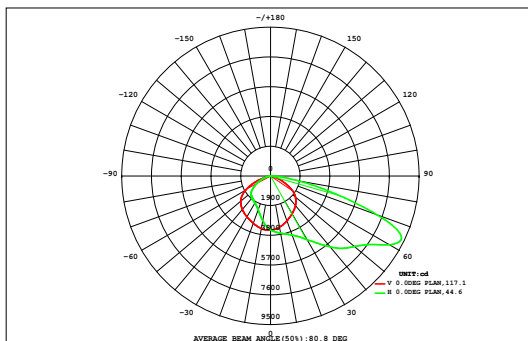
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.03.2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-100WATT-T4S-6500K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.53V I:0.4439A P:100.38W PF:0.9809 Freq:50.01Hz Lamp Flux:12910x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:128.61lm/W	
MODEL	PTL	Imax (cd)	9285
NOMINAL POWER (W)	100	AVAILABILITY (%)	94.7
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	12220
NOMINAL FLUX (lm)	12910	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	12910
TEST VOLTAGE (V)	230	θ @50% (H,V)	117,45DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.04	0.11	0.22	0.37	0.56	0.76	0.92	1.03	1.04	0.95	0.79	0.60	0.40	0.23	0.11	0.03	8.16	0.00
90	0.01	0.08	0.35	1.01	2.24	3.93	5.86	7.46	8.52	8.98	8.80	7.80	5.98	3.94	2.13	0.90	0.26	0.04	68.3	0.00
80	0.02	0.22	1.19	3.59	7.64	12.6	17.5	21.1	23.3	24.1	23.1	20.1	15.3	10.1	5.38	2.18	0.56	0.06	188	25.7
70	0.03	0.47	2.51	6.98	13.6	21.4	29.4	36.3	40.7	41.4	38.1	31.5	23.5	15.7	8.73	3.68	0.96	0.09	315	234
60	0.04	0.79	3.86	9.83	17.8	27.0	37.0	46.2	52.2	52.6	47.4	38.5	28.8	19.7	11.7	5.30	1.41	0.12	401	342
50	0.06	1.11	5.18	12.3	21.3	31.3	41.9	51.5	57.3	57.8	52.8	43.8	33.8	24.3	15.5	7.57	1.92	0.15	459	417
40	0.07	1.44	6.67	16.2	26.8	37.5	48.4	57.9	63.9	64.6	59.8	51.1	41.3	31.5	21.4	10.5	2.51	0.18	542	516
30	0.08	1.76	8.86	21.8	35.6	47.9	59.4	70.1	77.6	78.8	73.2	63.3	52.6	41.3	28.6	13.8	3.12	0.20	678	662
20	0.09	2.02	11.3	28.1	45.1	59.8	73.4	86.3	95.8	96.7	89.7	78.1	65.6	52.0	35.8	16.8	3.62	0.21	840	828
10	0.09	2.13	12.9	33.3	53.7	71.3	86.2	98.7	107	109	103	92.2	78.8	62.1	42.0	19.3	3.92	0.22	976	966
0	0.09	2.05	13.4	36.6	60.9	81.6	98.1	110	116	117	113	104	89.5	70.0	46.7	20.8	3.93	0.21	1083	1073
-10	0.08	1.78	12.6	37.5	65.1	89.1	109	124	130	131	127	116	98.2	74.9	48.2	20.4	3.54	0.20	1188	1178
-20	0.07	1.41	10.3	34.5	64.6	92.2	119	143	158	159	151	131	104	75.9	46.4	17.9	2.86	0.17	1312	1301
-30	0.05	1.01	6.86	27.6	58.1	88.9	123	162	191	196	178	143	105	71.9	40.5	13.6	2.11	0.14	1408	1395
-40	0.04	0.64	3.95	17.5	44.1	77.9	120	175	222	233	204	152	101	61.7	30.1	8.50	1.42	0.11	1452	1434
-50	0.02	0.34	1.93	7.89	23.7	51.7	96.9	167	239	262	218	142	80.1	40.6	16.7	4.46	0.85	0.08	1353	1325
-60	0.01	0.14	0.69	2.28	5.97	13.6	31.5	66.0	108	124	96.8	55.9	26.9	12.2	5.30	1.79	0.42	0.05	552	498
-70	0.01	0.05	0.16	0.38	0.84	1.88	4.56	9.68	16.3	19.1	15.4	9.31	4.56	2.16	1.09	0.49	0.16	0.03	86.1	26.9
-80	0.01	0.05	0.16	0.38	0.84	1.88	4.56	9.68	16.3	19.1	15.4	9.31	4.56	2.16	1.09	0.49	0.16	0.03	86.1	26.9
-90	0.01	0.05	0.16	0.38	0.84	1.88	4.56	9.68	16.3	19.1	15.4	9.31	4.56	2.16	1.09	0.49	0.16	0.03	86.1	26.9
HORIZONTAL (DEG)																				
Φ t	0.86	17.5	103	298	547	810	1102	1432	1709	1775	1599	1279	957	671	407	168	33.7	2.27	12910	---
Φ a	0.00	0.00	41.3	239	491	765	1062	1395	1674	1742	1563	1241	912	619	356	119	0.00	0.00	---	12220

one-half-peak spread: U:10.1,D:35.1 , L:57.8,R:59.7

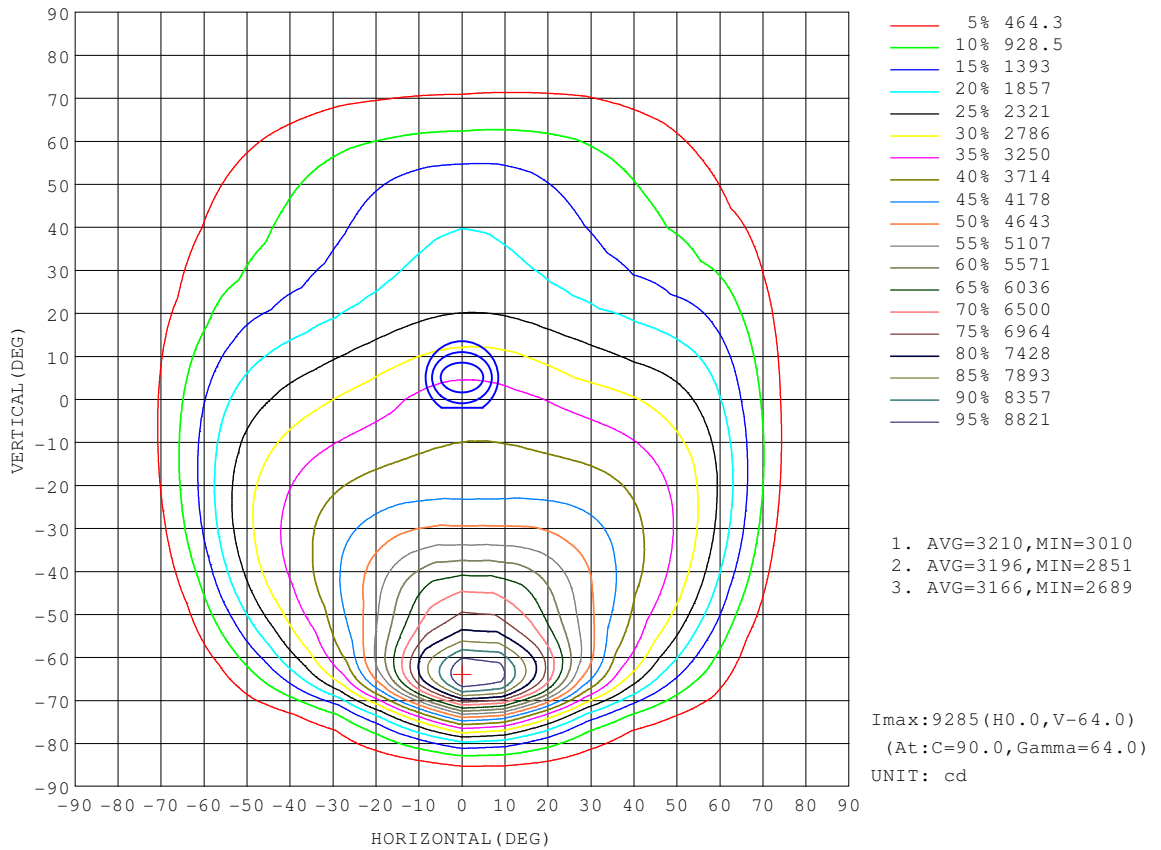
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.03.2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-100WATT-T4S-6500K

ISOCANDELA DIAGRAM

Test:U:230.53V I:0.4439A P:100.38W PF:0.9809 Freq:50.01Hz Lamp Flux:12910x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

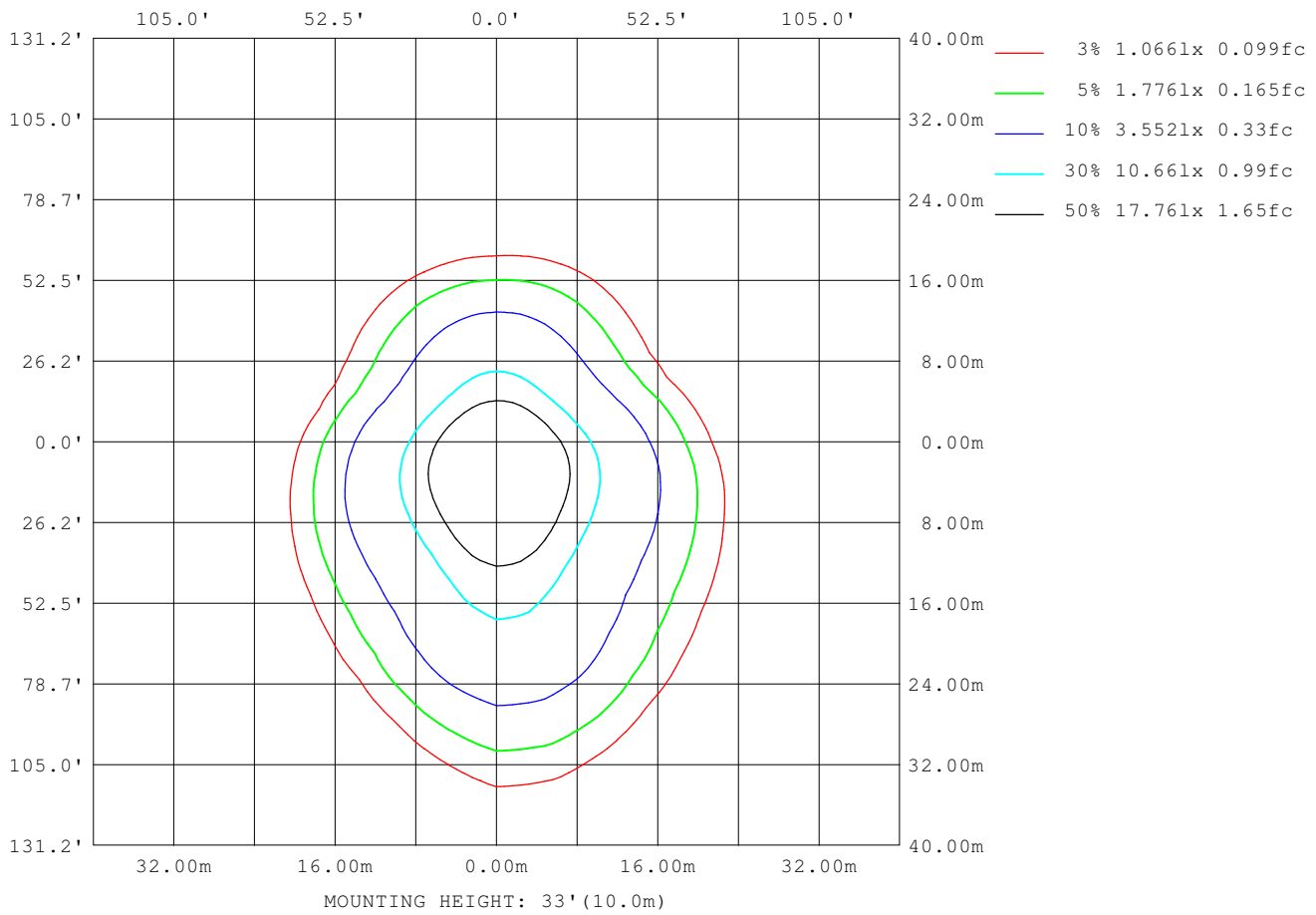


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C Interval: 10.0DEG
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Temperature:20DEG
Operators:LITPA
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Humidity:65.0%
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Remarks: PTL-100WATT-T4S-6500K

ISOLUX DIAGRAM

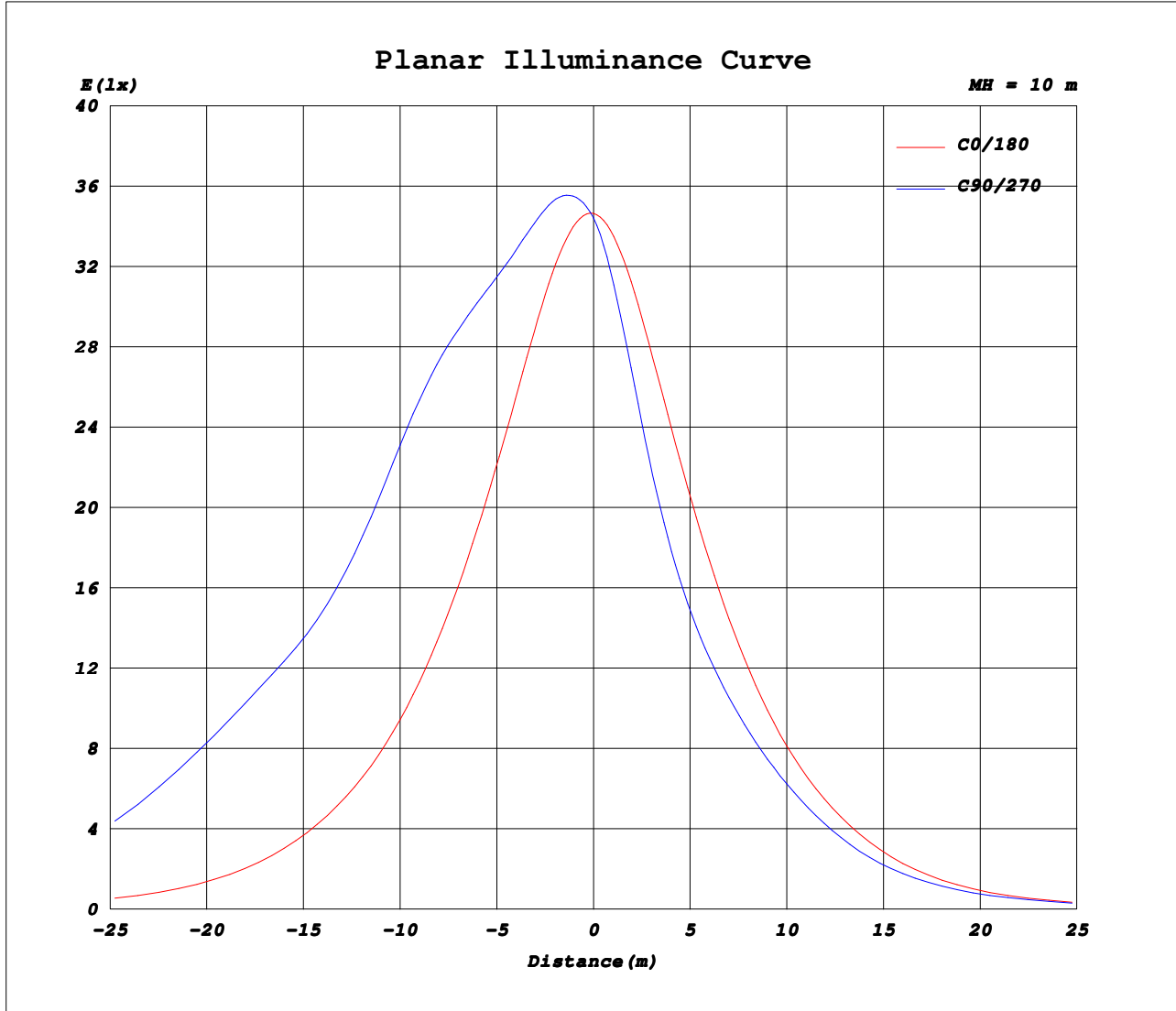
Test:U:230.53V I:0.4439A P:100.38W PF:0.9809 Freq:50.01Hz Lamp Flux:12910x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
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Planar Illuminance Curve

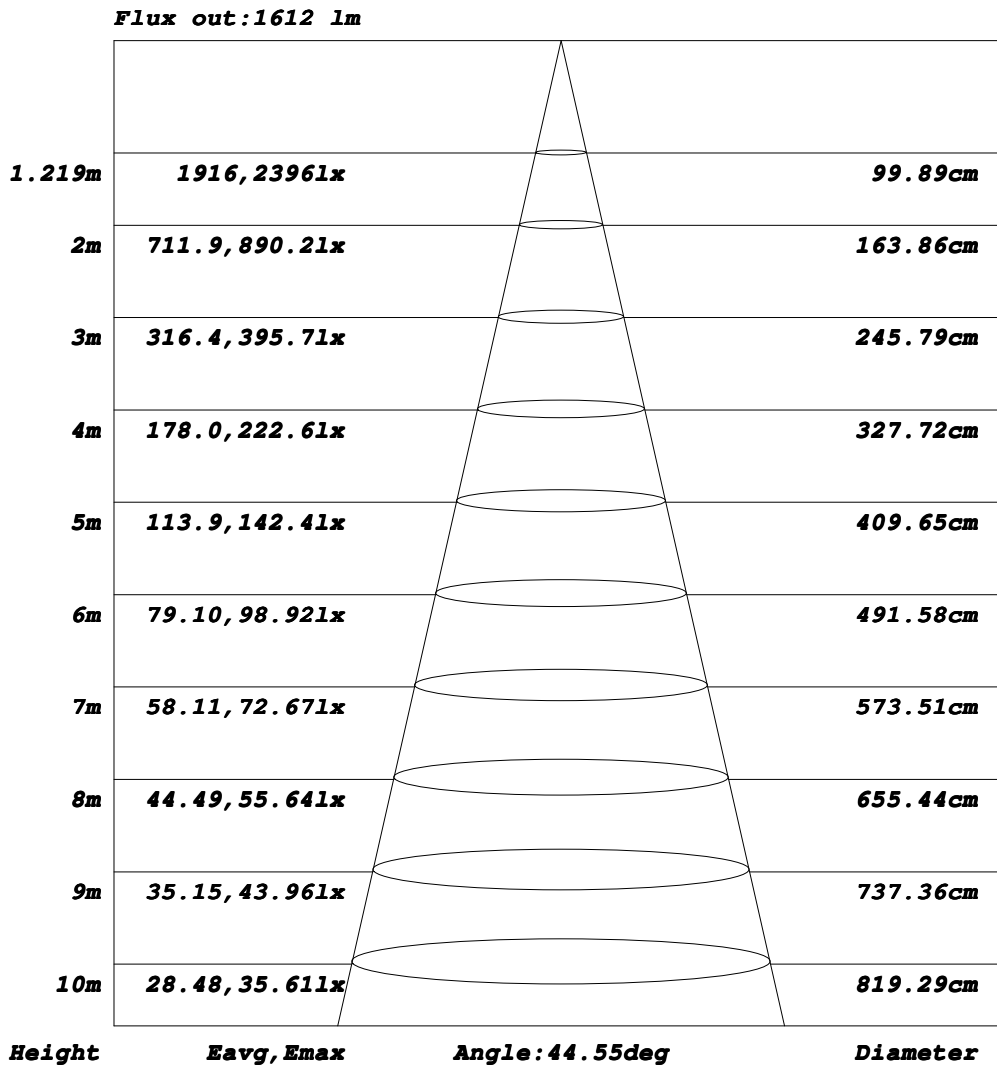


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.03.2021

γ Range: 0 - 90DEG
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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
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AAI Figure

Test:U:230.53V I:0.4439A P:100.38W PF:0.9809 Freq:50.01Hz Lamp Flux:12910x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.03.2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-100WATT-T4S-6500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.53V I:0.4439A P:100.38W PF:0.9809 Freq:50.01Hz Lamp Flux:12910x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	1.12	2.07	3.02	3.10	3.18	3.18	3.19	4.39	5.59	6.59	7.59	8.92	10.2	11.5	12.8	14.4	15.9	20.5	25.2
-85	1.12	2.08	3.09	5.75	8.91	11.5	14.2	17.7	22.7	30.7	39.8	58.8	82.0	133	189	264	339	427	512
-80	1.12	2.08	6.36	10.9	15.2	23.2	35.2	51.8	71.8	101	135	199	273	441	637	904	1181	1472	1750
-75	1.12	3.12	9.73	15.6	26.9	48.0	78.6	119	170	242	325	467	639	1015	1461	2092	2751	3423	4059
-70	1.12	4.57	12.5	23.7	47.1	86.4	144	230	376	570	802	1153	1558	2253	3095	4144	5242	6282	7237
-65	1.12	6.01	15.4	36.0	74.5	137	237	412	709	1076	1541	2108	2757	3623	4688	5937	7245	8290	9236
-60	1.12	7.59	19.6	51.2	107	199	361	667	1089	1582	2155	2738	3399	4161	5168	6228	7350	8123	8789
-55	1.12	9.09	25.6	68.9	146	269	533	976	1494	2038	2615	3105	3706	4294	5126	5917	6733	7254	7648
-50	1.12	10.2	32.2	88.4	189	351	735	1277	1868	2433	2933	3383	3882	4402	5045	5684	6307	6728	7012
-45	1.12	11.0	38.9	109	235	466	954	1560	2182	2722	3143	3575	3998	4472	4974	5525	6007	6344	6536
-40	1.12	11.7	46.5	130	282	598	1157	1798	2416	2913	3297	3678	4056	4445	4819	5254	5595	5823	5912
-35	1.12	12.5	53.5	151	333	740	1318	1971	2569	3023	3376	3697	4027	4317	4608	4886	5099	5232	5249
-30	1.12	13.4	60.3	171	386	862	1451	2093	2649	3053	3383	3674	3929	4155	4354	4521	4637	4710	4697
-25	1.12	14.1	66.1	190	435	943	1530	2151	2670	3035	3331	3588	3798	3969	4097	4202	4258	4295	4288
-20	1.12	14.6	71.5	204	479	987	1559	2151	2616	2961	3229	3451	3633	3769	3870	3943	3991	4015	4019
-15	1.12	14.9	75.3	216	512	1005	1559	2106	2533	2834	3081	3283	3437	3561	3655	3732	3791	3828	3844
-10	1.12	15.0	77.5	222	530	999	1526	2027	2410	2681	2901	3079	3224	3345	3446	3543	3624	3682	3713
-5	1.12	15.0	78.3	225	530	969	1461	1917	2256	2500	2700	2863	3000	3121	3238	3358	3464	3539	3584
0	1.12	14.9	77.5	222	516	919	1367	1778	2081	2300	2483	2638	2780	2920	3059	3201	3329	3421	3465
5	1.12	14.8	76.6	217	485	846	1245	1616	1897	2100	2261	2396	2521	2653	2797	2945	3079	3180	3218
10	1.12	14.5	74.3	208	445	760	1106	1436	1694	1882	2029	2158	2278	2401	2528	2659	2783	2876	2916
15	1.12	14.2	70.6	195	399	667	955	1243	1487	1657	1791	1913	2038	2145	2266	2383	2484	2554	2593
20	1.12	13.7	65.6	179	353	571	823	1081	1279	1418	1563	1694	1800	1928	2039	2141	2230	2292	2323
25	1.12	13.0	59.3	163	308	499	722	925	1074	1241	1375	1490	1627	1745	1858	1965	2047	2102	2129
30	1.12	12.3	52.9	144	271	445	628	784	951	1098	1213	1360	1482	1615	1734	1840	1924	1978	2004
35	1.12	11.4	45.7	125	242	393	545	696	853	971	1118	1246	1385	1513	1642	1753	1839	1896	1923
40	1.12	10.5	38.4	105	211	341	477	630	769	899	1035	1164	1296	1430	1558	1673	1763	1823	1852
45	1.12	9.47	31.0	86.6	177	291	421	560	694	829	955	1086	1213	1345	1468	1584	1674	1735	1767
50	1.12	8.31	24.8	68.1	143	240	355	484	614	745	868	990	1113	1237	1347	1452	1536	1592	1620
55	1.12	6.87	19.1	50.9	108	187	283	396	515	637	750	862	972	1081	1166	1248	1314	1355	1373
60	1.12	5.06	14.4	35.7	75.8	134	207	297	398	502	598	693	784	866	929	987	1035	1065	1076
65	1.12	3.16	11.8	23.6	48.8	86.3	135	199	274	353	429	506	578	635	678	717	749	767	774
70	1.12	2.17	8.26	15.2	28.3	48.4	75.6	114	160	208	257	312	366	407	438	467	490	504	509
75	1.12	1.56	4.18	10.1	15.7	23.8	35.1	51.4	72.1	94.9	118	145	175	202	222	245	263	273	279
80	1.12	1.16	1.25	3.57	6.99	11.1	15.1	19.9	25.9	31.7	38.6	47.3	57.1	65.3	73.9	83.7	92.3	98.4	103
85	1.12	1.19	1.22	1.32	1.38	1.61	1.56	1.65	3.18	5.04	6.12	9.02	12.6	15.5	18.4	21.6	24.1	25.3	26.0
90	1.12	1.22	1.31	1.44	1.56	1.69	1.81	2.00	2.19	2.45	2.71	3.09	3.47	3.92	4.38	4.71	5.04	5.04	5.04

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Humidity: 65.0%
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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:100 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	31.4	37.6	36.9	36.3	33.2	30.1	26.2	22.3	20.5	18.6	17.1	15.5	14.0	12.4	11.2	9.98	9.03	8.09	
-85	507	497	436	372	290	214	161	114	89.0	66.6	55.4	45.5	34.5	25.6	19.0	13.7	10.5	8.09	
-80	1695	1613	1355	1095	822	583	421	284	220	164	132	100	71.0	47.8	31.5	19.5	11.9	8.09	
-75	3941	3735	3124	2502	1861	1298	960	667	500	366	277	200	126	79.2	48.7	27.2	14.0	8.09	
-70	7107	6800	5866	4854	3758	2799	2117	1537	1108	793	544	356	208	120	70.2	36.6	16.4	8.09	
-65	9071	8739	7751	6628	5323	4189	3284	2533	1890	1351	924	578	310	171	96.1	47.4	18.9	8.09	
-60	8670	8413	7650	6750	5660	4710	3798	3124	2460	1877	1315	830	435	231	126	59.0	22.1	8.09	
-55	7590	7408	6917	6258	5450	4762	4003	3454	2857	2313	1702	1112	587	302	158	72.1	25.0	8.09	
-50	6967	6801	6455	5900	5290	4726	4158	3638	3152	2655	2045	1404	781	385	192	85.5	28.3	8.09	
-45	6502	6368	6116	5658	5181	4687	4243	3754	3349	2899	2328	1656	1010	481	228	98.6	31.6	8.09	
-40	5897	5819	5658	5362	5002	4621	4252	3861	3475	3057	2534	1868	1198	589	264	112	34.4	8.09	
-35	5248	5215	5141	4985	4733	4486	4190	3882	3529	3151	2672	2040	1348	697	299	124	37.2	8.09	
-30	4702	4692	4675	4593	4462	4297	4092	3834	3534	3190	2756	2159	1465	798	332	135	39.8	8.09	
-25	4292	4291	4295	4257	4201	4101	3951	3746	3491	3179	2780	2227	1546	881	362	144	42.0	8.09	
-20	4020	4025	4020	4004	3967	3899	3784	3620	3398	3114	2758	2247	1587	933	384	152	43.6	8.09	
-15	3847	3842	3827	3798	3756	3693	3601	3456	3261	3015	2702	2215	1584	954	402	157	44.6	8.09	
-10	3720	3704	3669	3614	3555	3483	3390	3267	3100	2873	2574	2131	1545	949	408	159	45.2	8.09	
-5	3596	3566	3510	3431	3348	3263	3166	3048	2892	2691	2420	2016	1476	922	404	159	45.2	8.09	
0	3461	3413	3331	3228	3125	3026	2925	2812	2672	2492	2246	1876	1382	876	392	156	44.7	8.09	
5	3211	3155	3059	2937	2814	2714	2624	2532	2419	2272	2059	1732	1288	827	380	154	44.4	8.09	
10	2920	2871	2779	2668	2558	2454	2357	2260	2156	2040	1857	1570	1177	765	361	150	43.6	8.09	
15	2596	2564	2491	2392	2289	2200	2106	2019	1924	1810	1646	1396	1055	694	337	143	42.4	8.09	
20	2325	2291	2225	2141	2049	1944	1867	1779	1675	1579	1439	1219	922	616	309	135	40.7	8.09	
25	2126	2092	2029	1940	1846	1750	1640	1559	1465	1338	1228	1050	798	533	280	125	38.6	8.09	
30	1996	1959	1891	1801	1697	1581	1484	1360	1278	1168	1020	886	687	456	249	115	36.0	8.09	
35	1912	1870	1798	1700	1582	1468	1344	1238	1103	1019	878	734	584	389	219	103	33.0	8.09	
40	1838	1793	1717	1612	1492	1367	1245	1128	1004	888	770	608	489	330	190	90.8	30.2	8.09	
45	1751	1703	1626	1518	1400	1275	1156	1029	916	786	672	531	405	278	163	78.1	27.3	8.09	
50	1610	1570	1500	1401	1295	1177	1060	944	829	705	582	457	334	233	136	66.3	24.2	8.09	
55	1380	1360	1310	1237	1157	1052	947	841	733	614	495	383	276	189	111	54.6	21.2	8.09	
60	1090	1086	1060	1017	963	886	801	707	614	508	404	306	220	148	86.8	43.5	18.7	8.09	
65	791	795	784	763	731	683	617	544	470	387	303	228	163	109	64.8	34.0	16.0	8.09	
70	524	531	528	517	500	471	422	370	317	262	204	152	110	74.9	45.4	25.9	14.1	8.09	
75	288	293	291	284	274	257	232	203	176	148	116	88.7	65.7	46.3	30.4	19.3	12.5	8.09	
80	108	111	110	107	104	99.3	90.9	81.8	73.3	64.6	52.9	42.2	33.9	26.5	19.5	14.7	10.9	8.09	
85	26.7	27.2	27.2	26.8	27.0	26.6	25.4	24.0	23.3	22.0	19.8	18.0	16.2	14.8	13.2	11.7	9.70	8.09	
90	4.76	4.49	4.02	3.55	3.20	2.85	2.61	2.38	2.30	2.23	2.61	2.99	4.96	6.93	7.86	8.78	8.44	8.09	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:20DEG

Operators:LITPA

Test Date:02.03.2021

γ Range: 0 - 90DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400

Humidity:65.0%

Test Distance:7.200m [K=1.0000]

Remarks: PTL-100WATT-T4S-6500K