



PICASSO LIGHTING INDUSTRIES, LLC
46 Sellers Street, Kearny, NJ 07032
201.246.8188

Indoor Distribution Test Report

Picasso Lighting Industries, LLC

46 Sellers St.
Kearny, NJ 07032

Photopia Photometric Analysis & Optical Design

Catalog Number

BLD-2-PF-4-D3-I3-30-80-FW-W

BLADE 2" - White Housing - Suspended - Direct/Indirect - Flush Frosted White Lens

Test Number

IES-P00211

Test Date

Wed Sep 25 15:54:03 2019

The results contained in this report pertain only to the tested sample.
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BLD-2-PF-4-D3-I3-30-80-FW-W
BLADE 2" - White Housing - Suspended - Direct/Indirect - Flush Frosted White Lens
LED (3000K 80+ CRI)

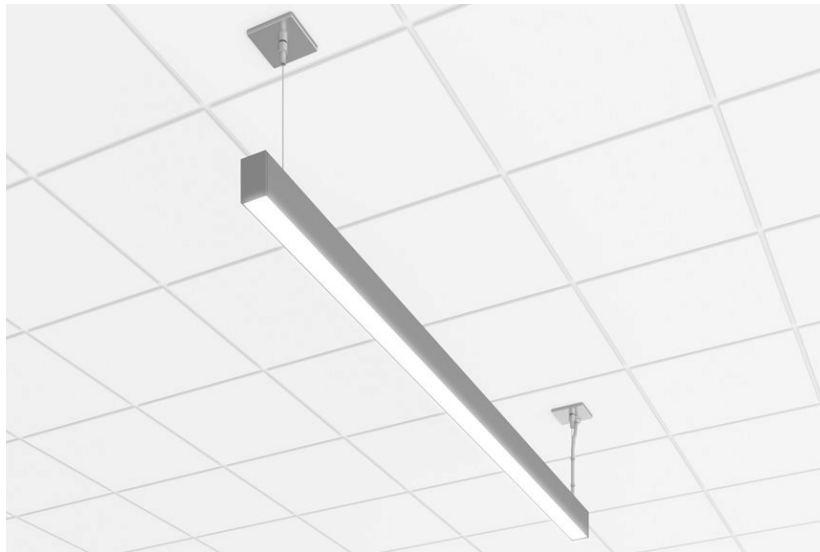


Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	31.09 W
Lumens:	2,885.09 lm
Efficiency:	N/A
Efficacy:	90.86 lm/W

Spacing Criterion

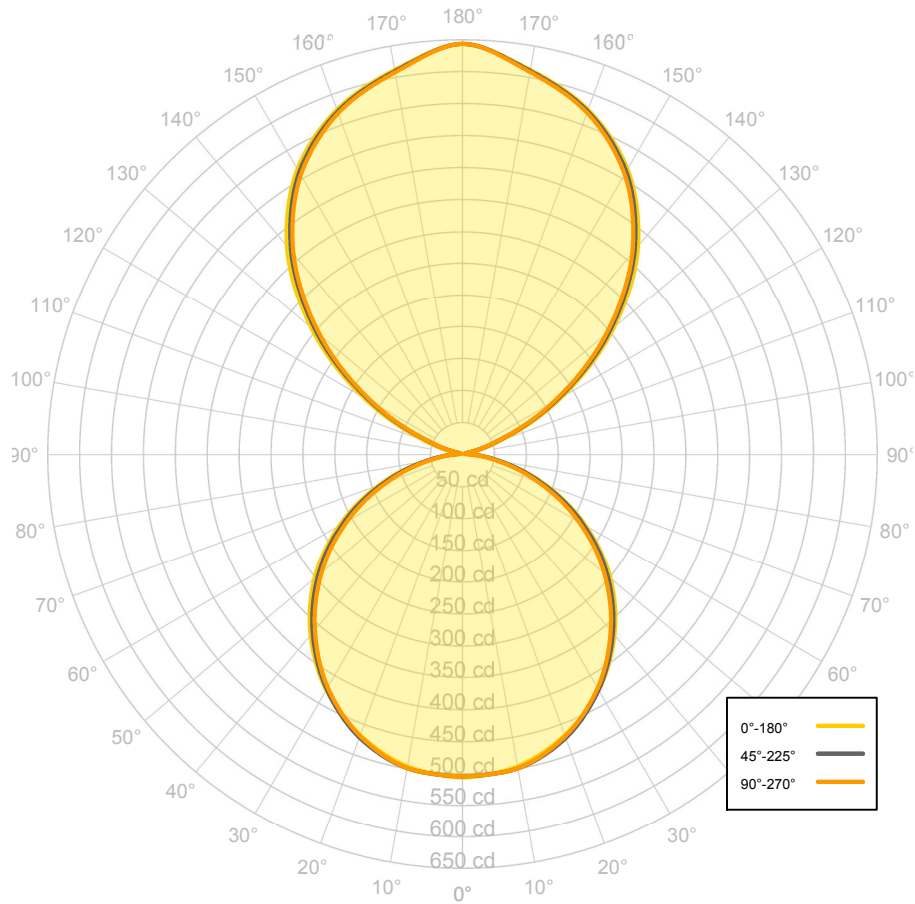
Two luminaires, plane 0°	1.25
Two luminaires, plane 90°	1.24
Four luminaires	1.35

Full Beam Angle

0° - 180°	262.03°
90° - 270°	264.54°

Calculated results may not be representative of field performance.
Ballast factors have not been applied.

Candela Polar Plot



Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	86.28	2.99%	90° - 100°	4.51	0.16%
10° - 20°	136.11	4.72%	100° - 110°	31.97	1.11%
20° - 30°	205.43	7.12%	100° - 120°	143.21	4.96%
30° - 40°	245.94	8.52%	120° - 130°	208.32	7.22%
40° - 50°	253.37	8.78%	130° - 140°	274.58	9.52%
50° - 60°	226.47	7.85%	140° - 150°	288.21	9.99%
60° - 70°	169.03	5.86%	150° - 160°	247.41	8.58%
70° - 80°	94.23	3.27%	160° - 170°	165.28	5.73%
80° - 90°	29.41	1.02%	170° - 180°	107.30	3.72%
0° - 90°	1,446.28	50.13%	0° - 180°	2,885.09	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	506.38	506.38	506.38	506.38	506.38
10.00°	496.47	498.18	501.45	501.33	501.23
20.00°	468.57	476.28	474.12	471.12	471.36
30.00°	426.94	431.12	426.93	423.80	423.95
40.00°	370.53	371.18	366.50	363.19	361.25
50.00°	302.78	301.00	296.30	291.73	289.47
60.00°	223.00	220.96	215.62	209.82	207.73
70.00°	138.57	135.79	129.26	124.35	122.03
80.00°	58.57	54.97	49.87	46.40	45.05
90.00°	6.04	4.41	3.34	2.76	2.62
100.00°	4.40	4.34	4.61	4.81	4.82
110.00°	60.00	59.12	56.97	55.65	55.01
120.00°	179.00	176.21	171.98	168.44	166.72
130.00°	309.69	306.72	301.50	296.61	294.47
140.00°	428.12	425.04	420.08	415.51	414.35
150.00°	517.39	514.83	512.42	508.53	507.53
160.00°	575.42	573.54	572.41	570.81	569.95
170.00°	612.30	612.17	610.25	610.17	608.50
180.00°	643.41	643.41	643.41	643.41	643.41

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	12,825	12,825	12,825
45.00°	11,576	5,550	4,537
55.00°	10,956	4,304	3,388
65.00°	9,945	3,002	2,264
75.00°	8,348	1,670	1,193
85.00°	6,359	552	366



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	pfc	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	pcc	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	3,092	3,092	3,092	3,092	2,853	2,853	2,853	2,853	2,406	2,406	2,406	1,998	1,998	1,998	1,623	1,623	1,623	1,446
	1	2,821	2,696	2,583	2,481	2,598	2,491	2,394	2,307	2,108	2,038	1,974	1,757	1,707	1,662	1,433	1,399	1,368	1,216
	2	2,569	2,355	2,178	2,030	2,363	2,179	2,026	1,895	1,848	1,735	1,636	1,543	1,461	1,389	1,261	1,204	1,153	1,020
	3	2,345	2,071	1,860	1,691	2,155	1,919	1,734	1,585	1,632	1,492	1,377	1,366	1,263	1,177	1,119	1,046	983	865
	4	2,146	1,835	1,607	1,432	1,972	1,702	1,501	1,345	1,451	1,297	1,175	1,219	1,103	1,010	1,002	918	849	745
	5	1,971	1,636	1,402	1,230	1,812	1,520	1,313	1,158	1,300	1,139	1,016	1,096	974	878	905	815	742	649
	6	1,817	1,469	1,236	1,068	1,672	1,367	1,159	1,008	1,173	1,010	888	992	867	771	823	729	656	573
	7	1,682	1,328	1,098	938	1,548	1,237	1,032	886	1,066	903	784	905	779	684	754	659	586	511
	8	1,562	1,207	984	831	1,439	1,127	926	787	974	813	699	830	704	613	695	599	528	460
9	1,456	1,104	888	743	1,343	1,032	837	704	895	738	628	765	642	553	644	549	479	417	
10	1,362	1,015	807	669	1,258	950	762	635	826	674	569	710	588	503	599	506	438	382	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	14 fc	0 ft	0 ft
8 ft	8 fc	0 ft	0 ft
10 ft	5 fc	0 ft	0 ft
12 ft	4 fc	0 ft	0 ft
15 ft	2 fc	0 ft	0 ft