

TENNIS COURT LIGHTING SOLUTIONS

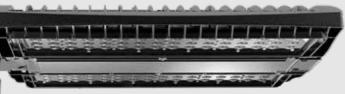
ELEVATE YOUR PLAY WITH PRO LEVEL LIGHTING





TENNIS COURT LIGHTING SOLUTIONS





ENERGY EFFICIENT

Designed for optimal beam utilization, maximum energy efficiency, and minimal environmental impact, the Matrix MAF series luminaire with TC optic system fills the playing area with uniform, comfortable light.

AESTHETICS

Aesthetically pleasing, the low profile Matrix luminaires provide excellent lighting uniformity at night while blending in with the tennis court environment during the day.

MATRIX

PERFORMANCE

Superior performance and high quality construction positions the Matrix as the best option for all levels of play.

DESIGN

The innovative luminaire design minimizes spill light, optimizing illumination in the playing area.

FEATURES AND BENEFITS

Specifically designed to enhance player and spectator experience in athletic venues, such as tennis courts and other specialty sport applications.

- Provides maximum illumination specifically targeting the court area
- Excellent uniformity and light levels



COURT LAYOUTS AND LIGHTING STANDARDS

Tennis courts require different levels of lighting depending on the application and level of play. The United States Tennis Association (USTA) requirements are in accordance with the IES lighting recommended average values which include:

Average FC										
Class I	Class II	Class III	Class IV							
125	75	50	30							

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126	136	142	139	145	-146	146	145	130	142	13 6	126
108	127	1 30	136	136	134	1 34	1 36	136	130	127	108
127	139	140	153	157	143	134 143	157	153	140	139	127
127	139	140	153	1 57	1 43	1 43	1 57	153	140	139	127
108	127	130	136	136	134	134	136	136	130	127	108
126	136	142	139	145	146	146	145	139	142	136	126
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Single Court – Class I

Avg.	Max	Min	Max/Min
136.85	157	108	1.45

60	81	<u>92</u>	85	85	85	85	85	85	92	-81	60
59	68	69	72	80	94	94	80	72	69	68	59
61	78	90	89	86	94	94	86	89	90	78	61
61	78	90	89	86	94	9 4	86	89	90	78	61
59	68	69	72	80	94	9 4	80	72	69	68	59
60	81	92	85	85	85	85	85	85	92	81	60
								-	•		

Single Court – Class II

Avg.	Max	Min	Max/Min
79.33	94	59	1.59

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51	65	62	69	69	59	59	69	69	62	65	51
36	40	54	60	60	5 2	5 2	60	60	5 4	40	36
42	50	62	65	64	6 0	60	64	65	62	50	42
42	50	62	65	64	6 0	60	64	65	62	50	42
36	40	5 4	60	60	5 2	52	60	60	54	40	36
51	65	62	69	69	59	59	69	69	62	65	51
			. P	P -			- P	P			

Single Court – Class III

Avg.	Max	Min	Max/Min
56.67	69	36	1.92

Single Court – Class IV

28	48-	42	38	37	31	- 81	37	38	42	40	28
21									33		
21	27	30	30	26	25	25	26	30	30	27	21
21	27	30	30	26	25	25	26	30	30	27	21
21	28	33	35	27	27	27	27	35	33	28	21
28	40	42	38	37	31	31	37	38	42	40	28
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Avg.	Max	Min	Max/Min
30.33	42	21	2.00

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116.7	138.2	141.2	150.2	145.8	135.7	135.7	145.8	150.2	141.2	138.2	11
100.3	99.5	126.2	138.6	131.1	111.9	111.9	131.1	138.6	126.2	99.5	10
112.6	121.9	136.0	152.3	141.6	127.2	127.2	141.6	152.3	136.0	121.9	11:
109.3	107.9	134.0	144.0	137.5	119.9	119.9	137.5	144.0	134.0	107.9	10
111.6	131.2	139.1	152.8	146.2	131.8	131.8	146.2	152.8	139.1	131.2	11
108.4	122.0	118.5	102.4	110.3	125.2	125.2	110.3	102.4	118.5	122.0	10
108.4	122.0	118.5	102.4	110.3	125.2	125.2	110.3	102.4	118.5	122.0	10
111.6	131.2	139.1	152.8	146.2	131.8	131.8	146.2	152.8	139.1	131.2	11
109.3	107.9	134.0	144.0	137.5	119.9	119.9	137.5	144.0	134.0	107.9	10
112.6	121.9	136.0	152.3	141.6	127.2	127.2	141.6	152.3	136.0	121.9	11
100.3	99.5	126.2	138.6	131.1	111.9	111.9	131.1	138.6	126.2	99.5	10
116.7	138.2	141.2	150.2	145.8	135.7	135.7	145.8	150.2	141.2	138.2	11
1					P	P				ę ę	

Double	Court –	Class I

Avg.	Max	Min	Max/Min
127.20	152.8	99.5	1.54

Double	Court -	Class li
DOUDIC	oourt -	UIDED II

	d					,		1	•		
80	101	123	111	97	81	01	97	111	123	10 1	80
82	98	104	107	101	10	104	101	107	104	98	82
92	115	121	120	108	10	1 09	108	120	121	115	92
81	97	1 10	111	108	10	101	108	111	110	97	81
92	101	117	118	121	10	3 108	121	118	117	101	92
74	80	85	79	87	86	86	87	79	85	80	74
74	80	85	79	87	86	86	87	79	85	80	74
92	101	117	118	121	10	3 108	121	118	117	101	92
81	97	110	111	108	10	101	108	111	110	97	81
92	115	121	120	108	10	9 109	108	120	121	115	92
82	98	104	107	101	10	104	101	107	104	98	82
80	101	123	111	97	81	81	97	111	123	101	80
		•							Į.		
			vg. 0.28	Ma 123		Min 74	M	ax/Min 1.66			

TENNIS COURT LIGHTING SOLUTIONS

		-						ł	4		
60	82	87	80	82	78	78	82	80	87	82	60
58	72	73	73	° 74	•77	9 77	74	73	7 3	72	58
61	79	82	86	• 77	7 0	70	• 77	86	82	79	61
63	7 7	86	81	7 5	7 9	79	7 5	81	86	77	6 3
5 5	• 77	84	73	76	84	84	76	73	84	77	55
67	73	74	83	82	78	78	82	83	74	73	67
67	73	74	83	82	78	78	82	83	74	73	67
55	• 77	84	73	76	84	84	76	73	84	77	5 5
63	° 77	86	81	7 5	79	79	7 5	81	86	* 77	63
61	79	82	86	• 77	70	70	• 77	86	82	79	61
58	7 2	73	73	• 74	• 77	9 77	74	73	7 3	72	58
60	82	87	80	82	78	78	82	80	87	82	60
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Double Court – Class II

Avg.	Max	Min	Max/Min
75.50	87	55	1.58

Double Court – Class III

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43	50	55	60	54	47	47	54	60	55	50	43
43	42	49	53	49	45	45	49	53	49	42	43
46	47	51	59	52	48	48	52	59	51	47	46
46	46	51	55	52	47	47	52	55	51	46	46
43	51	53	60	52	49	49	52	60	53	51	43
51	55	50	46	47	54	54	47	46	50	55	51
51	5.5	50	46	• <u>47</u>	54	54	• <u>17</u>	46	50	55	51
43	51	53	60	5 2	49	49	52	60	53	51	43
46	46	51	55	5 2	47	47	52	55	51	46	46
46	47	51	59	52	48	48	52	59	51	47	46
43	42	49	53	49	45	45	49	53	49	42	43
43	50	55	60	54	47	47	54	60	55	50	43
1										P	
			.vg.).93	Ma 60		Min 42	N	lax/Min 1.43			

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26	33	36	31	34	36	36	34	31	-36-	-39	26
25	30	31	31	34	40	40	34	31	31	30	25
26	33	37	39	37	39	39	37	39	37	33	26
25	30	31	34	35	40	4 0	3 5	34	31	30	25
27	36	36	31	37	39	39	37	B1	36	36	27
20	31	33	31	29	27	27	29	31	33	31	20
20	31	33	31	29	27	27	29	31	33	31	20
27	36	36	31	3 7	39	39	3 7	31	36	36	27
25	30	31	34	3 5	40	4 0	35	34	31	30	25
26	33	37	39	37	39	39	37	39	37	33	26
25	30	31	31	34	40	40	34	31	31	30	25
26	33	36	31	34	36	36	34	31	36	33	26
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		A	wg.	Ма	x	Min	N	1ax/Min			

Double Court – Class IV

Avg.	Max	Min	Max/Min
32.50	40	20	2.00



ALERA LIGHTING

ARCHITECTURAL AREA LIGHTING

BEACON PRODUCTS

COLUMBIA LIGHTING

COMPASS

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HUBBELL OUTDOOR LIGHTING

KIM LIGHTING

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LITECONTROL

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