

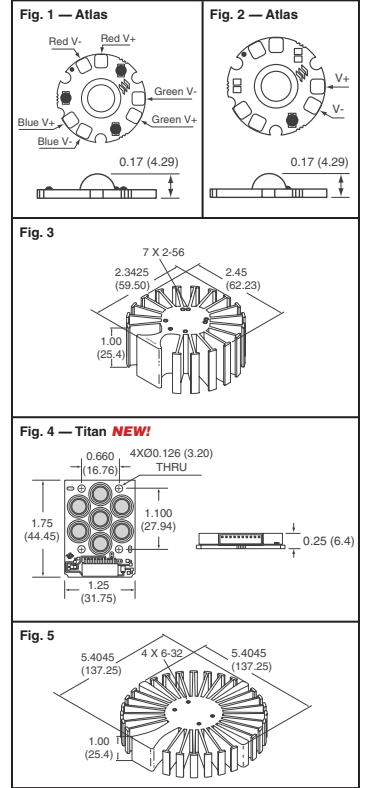
# lamina Light Engines

Bright Lights. Bright Ideas.

Dimensions in Inches (mm)

Fig.	Color	Vf Typical (V)†	If Typical (A)	Power (W)†	Lumens (lm)†	Kelvin Units	Digi-Key Part No.	1	10	50	T & R Pricing 250	Lamina Part No.	
<b>Atlas™ — RoHS Compliant</b>													
1	R/G/B	4.8/7.1/7.5	35	1.6/2.4/2.6	52/59/14	—	521-1035-1-ND	24.00	21.00	18.00	3930.00	NT-43F0-0424	
2	White	7.5	70	5.25	120	3,000	521-1037-1-ND	16.00	14.00	12.00	2620.00	NT-42D1-0425	
	Red	4.7	70	5.32	175	5,500	521-1039-1-ND	15.40	13.48	11.55	2521.75	NT-42D0-0426	
	Amber	4.7	70	3.3	90	—	521-1054-ND <b>NEW!</b>	16.00	12.56	11.44	—	NT-41A0-0482	
	Blue	7.1	70	5.0	58	—	521-1055-ND <b>NEW!</b>	16.00	12.56	11.44	—	NT-41E0-0483	
	Blue	7.1	70	5.0	58	—	521-1056-ND <b>NEW!</b>	19.00	14.92	13.59	—	NT-42B1-0484	
	Green	7.4	70	5.2	190	—	521-1057-ND <b>NEW!</b>	19.00	14.92	13.59	—	NT-42C1-0485	
3	Daylight White	6.6	70	4.6	164	4700	521-1058-ND <b>NEW!</b>	19.80	15.55	14.16	—	NT-45D0-0447	
	Warm White	6.6	70	4.6	119	3050	521-1059-ND <b>NEW!</b>	19.80	15.55	14.16	—	NT-45D1-0446	
3	Heatsink, 1" (25.4 mm), for Atlas, BL-2000/4000						521-1015-ND	6.92	6.20	5.76	—	HS-4100-0345	
<b>Titan™ — RoHS Compliant</b>													
4	R/G/B	7.1/10.8/11.4	1.4	9.9/15.1/16	383/395/104	—	521-1045-ND <b>NEW!</b>	80.20	74.36	68.12	—	NT-53F0-0428	
	Daylight White	22.8	1.4	32.0	665	3,000	521-1044-ND <b>NEW!</b>	77.12	71.50	65.50	—	NT-52D1-0430	
	Warm White	23.5	1.4	32.9	1070	5,500	521-1043-ND <b>NEW!</b>	77.12	71.50	65.50	—	NT-52D0-0429	
	Daylight White	10.8	5.0	54.0	1855	3950	521-1060-ND <b>NEW!</b>	131.10	121.55	110.50	—	NT-54D0-0487	
	Warm White	10.8	5.0	54.0	1138	2750	521-1061-ND <b>NEW!</b>	131.10	121.55	110.50	—	NT-54D1-0486	
	Red	13.9	1.05	14.6	435	—	521-1062-ND <b>NEW!</b>	84.83	78.65	71.50	—	NT-51A0-0468	
5	Amber	14.1	1.05	14.8	502	—	521-1063-ND <b>NEW!</b>	84.83	78.65	71.50	—	NT-51E0-0481	
	Blue	20.5	1.05	21.5	227	—	521-1064-ND <b>NEW!</b>	92.54	85.80	78.00	—	NT-52B1-0469	
	Green	21.8	1.05	22.9	923	—	521-1065-ND <b>NEW!</b>	100.26	92.95	84.50	—	NT-52C1-0470	
	Heatsink, 1" (25.4 mm), for Titan, BL-3000						521-1016-ND	25.62	22.90	21.35	—	HS-5100-0346	
5	Heatsink, 2.36" (59.94 mm), for Titan, BL-3000						521-1068-ND <b>NEW!</b>	32.02	25.14	22.90	—	HS-5200-0493	
<b>Accessories</b>													
EZConnect Board with Connector for BL-4000 Series							521-1024-ND	8.84	7.74	5.53	—	EZ-4000-3357	
EZConnect Assembly Cable for BL-4000 Series							521-1025-ND	4.50	3.94	2.82	—	EZ-46WH-0354	
EZConnect Board for Atlas Series, R/G/B							521-1036-ND	33.00	25.91	21.62	—	EZ-43F0-0431	
EZConnect Board for Atlas Series, Warm White							521-1038-ND	25.00	19.63	16.38	—	EZ-42D1-0432	
EZConnect Board for Atlas Series, Daylight White							521-1040-ND	24.40	19.16	15.99	—	EZ-42D0-0433	
EZConnect Wire Harness for Titan Series							521-1046-ND <b>NEW!</b>	7.50	6.57	5.63	—	NT-50WH-0427	
Lens, Optic Medium with holder for Atlas Series							521-1041-ND	5.62	4.42	3.69	—	OP-4FM1-0442	
Lens, Optic Wide with holder for Atlas Series							521-1042-ND	5.62	4.42	3.69	—	OP-4FW1-0441	
Lens, Optic Narrow 10 Degrees with holder for Titan Series							521-1050-ND <b>NEW!</b>	26.00	20.41	18.59	—	OP-5LN1-0451	
Lens, Optic Narrow 25 Degrees with holder for Titan Series							521-1051-ND <b>NEW!</b>	20.00	15.70	14.30	—	OP-5LN2-0445	
Lens, Optic Medium 30 Degrees with holder for Titan Series							521-1052-ND <b>NEW!</b>	20.00	15.70	14.30	—	OP-5LM3-0455	
Lens, Optic Wide 45 Degrees with holder for Titan Series							521-1053-ND <b>NEW!</b>	20.00	15.70	14.30	—	OP-5LW4-0456	
Lens, Optic Narrow with holder for Atlas RGB Series							521-1066-ND <b>NEW!</b>	10.00	7.85	7.15	—	OP-4LN1-0457	
Lens, Optic Narrow with holder for Atlas White Series							521-1067-ND <b>NEW!</b>	10.00	7.85	7.15	—	OP-4LN2-0492	
<b>Kits</b>													
BL-4000, R/G/B							521-1032-ND	287.50	—	—	—	—	DK-04F0-0396
BL-4000 120VAC, White							521-1033-ND	137.75	—	—	—	—	DK-04D0-0394
BL-4000 230VAC, White							521-1034-ND	137.50	—	—	—	—	DK-04D0-0395
Titan, White							521-1047-ND <b>NEW!</b>	287.50	—	—	—	—	DK-05D0-0399
Titan, Red, Green, Blue							521-1048-ND <b>NEW!</b>	356.25	—	—	—	—	DK-05F0-0398

† Optical and electrical specifications are given for the specified drive current at a 25° junction temperature. ♦ RoHS Compliant



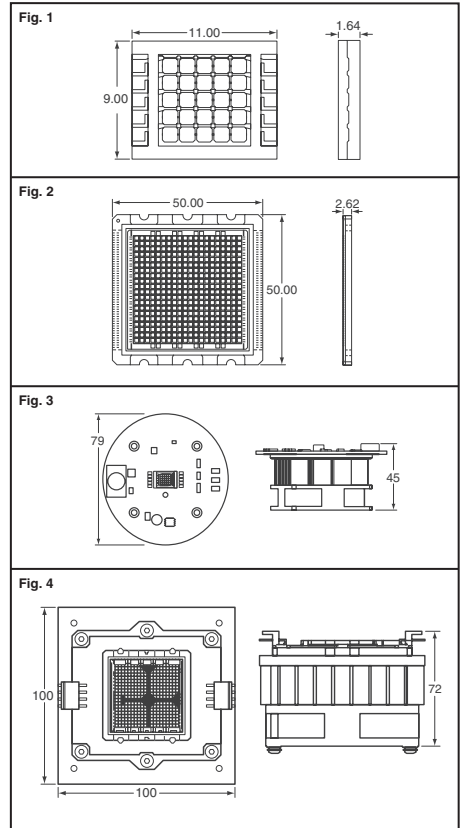
## NEW! ENFIS LED Arrays and Engines

Dim. in mm

Fig.	Emitted Color	Peak Wavelength (nm)	Vf (V) Typical	If (A) Max.	Lumens (lm) Typical	Digi-Key Part No.	1	10	50	100
<b>Uno 5 x 5 Arrays — RoHS Compliant</b>										
1	Amber	595	11.5	.9	~280	722-1025-ND	194.75	173.68	163.61	159.80
	Blue	465	17	2.0	~270	722-1026-ND	194.75	173.68	163.61	159.80
	Green	520	18	2.0	~1050	722-1027-ND	194.75	173.68	163.61	159.80
	Infra-Red	870	9	2.0	—	722-1028-ND	279.24	249.02	234.59	229.13
	Red	630	11	1.1	~300	722-1029-ND	194.75	173.68	163.61	159.80
	Ultra Violet	375	37	.4	—	722-1030-ND	279.24	249.02	234.59	229.13
Violet	410	20	2.0	—	722-1031-ND	279.24	249.02	234.59	229.13	
White	—	13	1.4	360	722-1032-ND	194.75	173.68	163.61	159.80	
<b>Quattro 20 x 20 Arrays — RoHS Compliant</b>										
2	Violet	405	36	11.0	—	722-1001-ND	3155.25	2917.26	—	—
	Amber	595	23	7.2	~4500	722-1002-ND	2261.57	2080.93	2018.94	—
	Red	630	22	8.8	~4800	722-1003-ND	2261.57	2080.93	2018.94	—
	Ultra Violet	375	74	3.2	—	722-1004-ND	3155.25	2917.26	—	—
	White (RGBA)†	590	23	1.8	1100	722-1005-ND	2261.57	2080.93	2018.94	—
	Blue	465	32	12.0	3300	722-1006-ND	2261.57	2080.93	2018.94	—
	Green	520	35	11.6	12600	722-1007-ND	2261.57	2080.93	2018.94	—
	Infra-Red	870	18	16.0	—	722-1008-ND	3155.25	2917.26	—	—

† Data shown for A (All Color); for detailed information on individual color separations, please see data sheet on Digi-Key's website.

Fig.	Emitted Color	Peak Wavelength (nm)	Input Voltage (V) Typical	Watts (W)	Lumens (lm) Typical	Digi-Key Part No.	1	10	50	100
<b>Uno Air Cooled Light Engines</b>										
3	Amber	595	9	18	360	722-1017-ND	279.24	249.02	234.59	229.13
	Infra-Red	870	5	18	—	722-1018-ND	533.12	483.34	460.60	446.88
	Red	630	9	18	288	722-1019-ND	279.24	249.02	234.59	229.13
	Ultra Violet	375	12	18	—	722-1020-ND	533.12	483.34	460.60	446.88
	White	—	9	18	337	722-1021-ND	279.24	249.02	234.59	229.13
	Blue	465	12	36	252	722-1022-ND	279.24	249.02	234.59	229.13
Green	520	12	36	792	722-1023-ND	298.74	249.02	234.59	229.13	
Violet	410	12	36	—	722-1024-ND	533.12	483.34	460.60	446.88	
<b>Quattro Air Cooled Light Engines</b>										
4	Blue	465	48	200	1485	722-1009-ND	2764.71	2543.88	2468.10	—
	Green	520	48	200	4988	722-1010-ND	2764.71	2543.88	2468.10	—
	White (RGBA)	—	48	200	3500	722-1011-ND	2764.71	2543.88	2468.10	—
	Red	630	48	200	3140	722-1012-ND	2764.71	2543.88	2468.10	—
	Amber	595	48	200	3984	722-1013-ND	2764.71	2543.88	2468.10	—
	Violet	410	48	200	—	722-1014-ND	3641.05	3366.42	—	—
	Ultra Violet	375	48	200	—	722-1015-ND	3641.05	3366.42	—	—
	Infra-Red	870	48	200	—	722-1016-ND	3641.05	3366.42	—	—



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