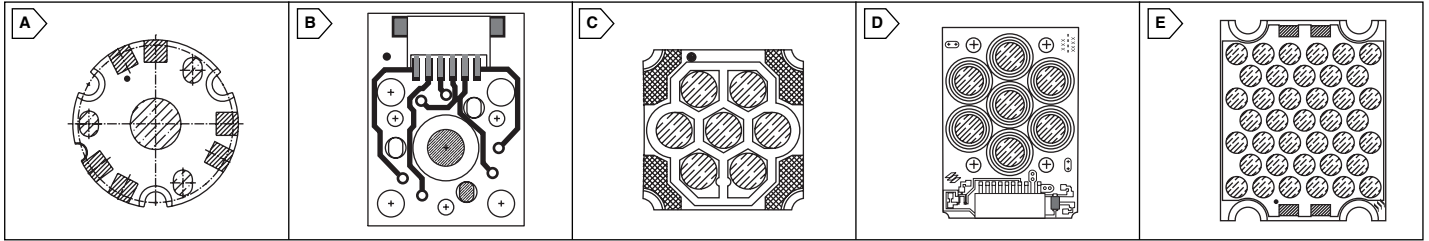


LAMINA LED Light Sources and Accessories

lamina

Products may be RoHS compliant.
Check mouser.com for RoHS status.

Hi-Power LEDs



Lamina

LAMINA SOLID STATE LIGHT ENGINES

NEW
FROM SUPPLIER

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lamina Part No.	Fig.	Color	Wavelength (nm) (Max)	Voltage (V) Typical	Drive (A)	Power (W)	Luminous Flux (lm) Typical	Thermal Resis. (°C/W) Typical	Price Each		
										1	10	50
Atlas Series, Single Cavity												
599-NT-42D1-0425	NT-42D1-0425	A	Warm White	3000K Color Temp	8.2	1.05	8.61	162	4.0	16.37	12.78	10.49
599-NT-42D0-0426	NT-42D0-0426	A	Daylight White	5000K Color Temp	8.2	1.05	8.61	250	4.0	15.82	12.37	10.09
599-EZ-43F0-0424	NT-43F0-0424	A	Full Color RGB	R-629, G-535, B-470	R-4.6, G-6.7, B-7.6	0.35	R-1.6, G-2.3, B-2.7	R-52, G-59, B-14	3.5	24.42	18.85	15.72
Atlas Series mounted to "EZ Board"												
599-EZ-42D1-0432	EZ-42D1-0432	B	Warm White	3000K Color Temp	8.2	1.05	8.61	162	4.0	25.45	20.17	16.38
599-EZ-42D0-0433	EZ-42D0-0433	B	Daylight White	5000K Color Temp	8.2	1.05	8.61	250	4.0	24.87	19.43	15.98
599-EZ-43F0-0431	EZ-43F0-0431	B	Full Color RGB	R-629, G-535, B-470	R-4.6, G-6.7, B-7.6	0.35	R-1.6, G-2.3, B-2.7	R-52, G-59, B-14	3.5	33.47	26.12	21.62
BL-4000 Series, Single Cavity												
599-BL-43F0-0305	BL-43F0-0305	A	Full Color RGB	R-629, G-535, B-470	R-4.5, G-6.7, B-7.6	0.35	R-1.6, G-2.4, B-2.7	R-42, G-63, B-15	2.5	25.26	22.10	18.94
599-BL-42D1-0408	BL-42D1-0408	A	Warm White	3000K Color Temp	7.6	0.7	5.4	95	2.5	18.18	15.91	11.90
599-BL-42D0-0304	BL-42D0-0304	A	White	5500K Color Temp	7.6	0.7	5.3	120	2.5	18.00	15.75	11.90
BL-2000 Series, 7 Cavity												
599-BL-21A0-0121	BL-21A0-0121	C	Red	623	6.69	2.1	13.6	270	2.25	20.42	18.43	16.74
599-BL-21E0-0131	BL-21E0-0131	C	Amber	594	6.69	2.1	13.7	290	2.25	20.42	18.43	16.74
599-BL-22B1-0140	BL-22B1-0140	C	Blue	475	10.5	0.42	4.5	28	2.63	11.97	10.80	9.81
599-BL-22C1-0141	BL-22C1-0141	C	Green	535	10	0.42	4.3	78	2.63	13.36	12.06	10.95
599-BL-22D1-0244	BL-22D1-0244	C	White	4300K Color Temp	11.3	0.42	4.7	108	2.63	17.45	14.27	11.90
599-BL-22D0-0130	BL-22D0-0130	C	White	5500K Color Temp	24	0.21	5	100	2.63	15.36	12.56	10.52
599-BL-22F0-0132	BL-22F0-0132	C	Full Color RGB	R-629, G-535, B-475	R-3, G-4, B-4	0.21	R-1.5, G-2.3, B-0.8	R-31, G-31, B-4.2	2.63	20.77	18.74	17.04
599-BL-23F1-0246	BL-23F1-0246	C	Full Color RGB	R-629, G-535, B-475	R-4.8, G-7, B-7	0.21	R-1, G-1.5, B-1.5	R-21, G-26, B-8	2.63	18.34	14.39	12.01
Titan Series, 7 Cavity												
599-NT-52D1-0430	NT-52D1-0430	D	White	2750K to 3550K	22.8	1.4	32	665	0.9	77.12	71.50	65.50
599-NT-52D0-0429	NT-52D0-0429	D	White	3950K to 6200K	23.5	1.4	32.9	1070	0.9	77.12	71.50	65.50
599-NT-53F0-0428	NT-53F0-0428	D	Full Color RGB	R-629, G-535, B-470	R-7.1, G-10.8, B-11.4	1.4	R-9.9, G-15.1, B-16	R-383, G-395, B-104	0.8	80.20	74.36	68.12
BL-3000 Series, 39 Cavity												
599-BL-31A0-0122	BL-31A0-0122	E	Red	623	6.69	15.6	104	2045	0.56	90.77	84.16	81.77
599-BL-31E0-0134	BL-31E0-0134	E	Amber	594	6.69	15.6	104	1620	0.56	90.77	84.16	81.77
599-BL-32B1-0143	BL-32B1-0143	E	Blue	475	10.2	2.34	23.5	162	0.66	55.68	51.62	49.63
599-BL-32C1-0144	BL-32C1-0144	E	Green	535	10.7	2.34	24.6	570	0.66	70.40	65.28	60.16
599-BL-32D0-0133	BL-32D0-0133	E	White	5500K Color Temp	11.3	2.34	26	567	0.66	71.22	65.78	60.03
599-BL-32D1-0245	BL-32D1-0245	E	White	4300K Color Temp	24	1.17	28	525	0.66	77.12	71.50	65.50
599-BL-33F0-0142	BL-33F0-0142	E	Full Color RGB	R-629, G-535, B-475	R-4.8, G-7, B-7	1.17	R-5.6, G-8.4, B-8.4	R-114, G-145, B-47	0.66	67.20	62.30	57.44

LAMINA LIGHT SOURCE OPTICS

NEW
FROM SUPPLIER

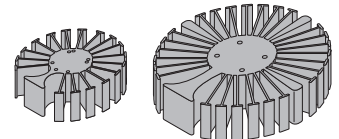
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lamina Part No.	Light Source Series	Beam Angle	Description	Price Each		
					1	10	50
599-OP-4FM1-0442	OP-4FM1-0442	Atlas	30	Medium Beam, With Holder	6.12	4.78	3.69
599-OP-4FW1-0441	OP-4FW1-0441	Atlas	45	Wide Beam, With Holder	6.12	4.78	3.69
599-FHS-HNB1-LC01	FHS-HNB1-LC01-H	BL-4000	10	Narrow Beam, With Holder	6.57	5.11	4.10
599-FHS-HMB1-LC01	FHS-HMB1-LC01-H	BL-4000	30	Medium Beam, With Holder	6.57	5.11	4.10
599-FHS-HWB1-LC01	FHS-HWB1-LC01-H	BL-4000	45	Wide Beam, With Holder	6.57	5.11	4.10
599-BL-OP20-070	BL-OP20-070	BL-2000	70	Low Profile, Wide Flood	2.92	2.27	1.83
599-OP-5LN2-0445	OP-5LN2-0445	Titan	20	Narrow Beam, With Holder	17.12	15.85	14.78
599-OP-5LM3-0455	OP-5LM3-0455	Titan	30	Medium Beam, With Holder	17.12	15.85	14.78
599-OP-5LW4-0456	OP-5LW4-0456	Titan	45	Wide Beam, With Holder	17.12	15.85	14.78
599-BL-OP30-060	BL-OP30-060	BL-3000	60	Low Profile, Wide Flood	6.75	5.25	4.21

LAMINA LIGHT HEAT SINKS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lamina Part No.	Light Source Series	Diameter (In.)	Thickness (In.)	Mounting Holes	Price Each		
						1	10	50
599-BL-20-HS100	HS-4100-0345	BL-2000 / 4000	2.45	1.00	2-56 UNC	7.90	7.41	6.92
599-BL-30-HS100	HS-5100-0346	BL-3000	5.40	1.00	6-32 UNC	25.62	24.88	24.34



LAMINA DISCOVERY KITS

Lamina's "Discovery" kits contain ALL necessary components to allow the customers to "plug and play." It contains light engines, solder, wire, heatsinks, power supplies, screws, and thermal interface tapes to make it simple for you to learn and interact with Lamina BL-2000/4000 light sources.

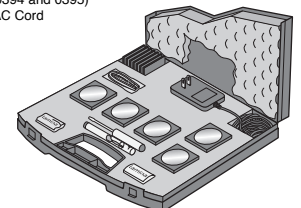
BL-2000 Kit Contains:

- One each of the BL-2000 single color light sources. (Red, Amber, Blue, Green, White)
- Two Heatsinks
- 10 each of White and Black Jumper Wires
- 10 Thermal Interface Tapes
- One 24VDC 1.05A Power Adapter
- One Voltage Board Regulator
- Hardware

BL-4000 Kit Contains:

- Light Source Assembly
- Adapter plugs (DK-04F00396, DK-04D0-0395)
- AC Adapter (DK-04F0-0396)
- Spare DC Cable (DK-04D0-0394 and 0395)
- Driver
- Optics
- AC Cord

MOUSER STOCK NO.	Lamina Part No.	Description	Price Each
599-DK2000-0303	DK-2000-0303	LED Kit for BL-2000 Products	250.00
599-DK-04F0-0396	DK-04F0-0396	BL-4000 RGB Developer Kit	280.00
599-DK-04D0-0394	DK-04D0-0394	BL-4000 White 5500K Developer Kit-120VAC	160.00
599-DK-04D0-0395	DK-04D0-0395	BL-4000 White 5500K Developer Kit-230VAC	140.00
599-DK-05D0-0399	DK-05D0-0399	Titan Series White LED Developer Kit	280.00
599-DK-05F0-0398	DK-05F0-0398	Titan Series RGB LED Developer Kit	347.00



NEW
FROM SUPPLIER