

Fig.	Size (mm)	Chip			Lens Color	Luminous Intensity (Typ.)		Viewing Angle	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		OPTeK Technology Part No.
		Material	Emitted Color	Dominant Wavelength (nm)		(mcd)	@IF(mA)			1	250	Qty.		Pricing		
Round — High Intensity																
15	5	InGaP	Blue	470	Water Clear	3200	20	6°	365-1184-ND	.44	.26	.25	—	—	—	OVLGBC6B9
		InGaP	Blue-Green	505	Water Clear	8000	20	6°	365-1185-ND	.50	.30	.29	—	—	—	OVLGOC6B9
		AlInGaP	Yellow	589	Water Clear	20000	20	6°	365-1190-ND	.14	.09	.08	—	—	—	OVLGYOC6B9
		AlInGaP	Red	631	Water Clear	10000	20	6°	365-1189-ND	.14	.09	.08	—	—	—	OVLGSC6B9
Cylindrical — High Intensity																
16	5	InGaP	Blue	470	Water Clear	300	20	85°	365-1201-ND	.52	.31	.30	—	—	—	OVLB8C7
		InGaP	Green	525	Water Clear	670	20	85°	365-1202-ND	.82	.48	.47	—	—	—	OVLG8C7
		AlInGaP	Yellow	589	Water Clear	650	20	85°	365-1204-ND	.32	.19	.18	—	—	—	OVLV8C7
		AlInGaP	Red	623	Water Clear	570	20	85°	365-1203-ND	.32	.19	.18	—	—	—	OVL8C7
Super Flux 4-Pin																
17	7.6	InGaP	Blue	470	Water Clear	850	30	60°	365-1164-ND	.60	.35	.34	—	—	—	OVSFB6C8
		InGaP	Green	527	Water Clear	2500	30	60°	365-1165-ND	.80	.47	.46	—	—	—	OVSFG6C8
		AlInGaP	Amber	591	Water Clear	5000	70	100°	365-1163-ND	.40	.24	.23	—	—	—	OVSFAC8
		AlInGaP	Red	624	Water Clear	4500	70	100°	365-1167-ND	.36	.22	.21	—	—	—	OVSFRAC8
		InGaP	White	—	Water Clear	1200	30	60°	365-1168-ND	.88	.52	.50	—	—	—	OVSFW6C8

Full Color (RGB) Surface Mount

Fig.	Lens Color	IV (mcd)			Viewing Angle	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		OPTeK Technology Part No.	
		@IF(mA)	Red	Green			Blue	1	100		250	Qty.		Pricing
PLCC4														
18	Water Clear	20	300	450	110	120°	365-1212-1-ND	1.79	1.16	1.00	365-1212-2-ND	2,000	800.05/M	OVSARGB3R8
PLCC6														
19	Water Clear	50	1000	900	280	120°	365-1231-1-ND	3.38	2.19	1.87	365-1231-2-ND	900	1401.54	OVSSTRGBCCR8
1204														
20	White Diffused	20	125	300	75	150°	365-1410-1-ND	.87	.57	.49	365-1410-2-ND	2,000	389.50/M	OVSRRGBCC3

White Surface Mount

Fig.	Package	Chip			Luminous Intensity (Typical)		Viewing Angle	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		OPTeK Technology Part No.
		Material	Emitted Color	Lens Color	(mcd)	@IF(mA)			1	100	250		Qty.	Pricing	
21	RA	GaN	White	Water Clear	2000	20	120°/110°	365-1482-1-ND	.81	.52	.45	365-1482-2-ND	3,000	345.58/M	OVSRAWAC1R6
22	PLCC4	InGaP	White	Water Clear	1900	20	120°	365-1215-1-ND	3.01	1.95	1.95	365-1215-2-ND	2,000	1296.93/M	OVSRAWBCR9

1 Watt Cup Series

OPTeK Lendium Solid State Lighting products package the highest quality LED chips. Typically, the lumen output of these can be as high as 70% after 50,000 hours of operation. That is, the percentage of the initial light output still being

emitted after a specified operating time. This prediction is based on specific test results and tests on similar materials, and relies on strict observation of the design limits and ratings.

Specifications:
• Input Current: 1.0A • Junction Temperature: Tj = 130°C • Viewing Angle at half maximum intensity: 135°

Fig.	Mounting Type	λD (nm) Typical	Emitted Color	Typical Iv/flux (lm)	Forward Voltage (Vt)			Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 1,000		OPTeK Technology Part No.
					Minimum	Typical	Maximum		1	100	250		Qty.	Pricing	
23	Flush	595	Amber	38	1.9	2.3	2.6	365-1347-1-ND	2.74	1.77	1.52	365-1347-2-ND	1221.13	—	OVTL01LGAA
		460	Blue	15	2.9	3.4	3.7	365-1348-1-ND	3.11	2.02	1.73	365-1348-2-ND	1389.56	—	OVTL01LGAB
		515	Green	52	3.2	3.6	4.0	365-1349-1-ND	3.11	2.02	1.73	365-1349-2-ND	1389.56	—	OVTL01LGAG
		625	Red	53	1.9	2.3	2.6	365-1350-1-ND	2.74	1.77	1.52	365-1350-2-ND	1221.13	—	OVTL01LGAR
		—	Cool White	50	2.9	3.4	3.7	365-1351-1-ND	3.30	2.14	1.83	365-1351-2-ND	1473.78	—	OVTL01LGAW
		—	Daylight White	45	2.9	3.4	3.7	365-1352-1-ND	3.30	2.14	1.83	365-1352-2-ND	1473.78	—	OVTL01LGAWD
		—	Warm White	30	2.9	3.4	3.7	365-1353-1-ND	3.30	2.14	1.83	365-1353-2-ND	1473.78	—	OVTL01LGAWW
	Standard	595	Amber	38	1.9	2.3	2.6	365-1354-1-ND	2.74	1.77	1.52	365-1354-2-ND	1221.13	—	OVTL01LGAAS
		460	Blue	15	2.9	3.4	3.7	365-1355-1-ND	3.11	2.02	1.73	365-1355-2-ND	1389.56	—	OVTL01LGAABS
		515	Green	52	3.2	3.6	4.0	365-1356-1-ND	3.11	2.02	1.73	365-1356-2-ND	1389.56	—	OVTL01LGAAGS
		625	Red	53	1.9	2.3	2.6	365-1357-1-ND	2.74	1.77	1.52	365-1357-2-ND	1221.13	—	OVTL01LGAARS
		—	Cool White	50	2.9	3.4	3.7	365-1358-1-ND	3.30	2.14	1.83	365-1358-2-ND	1473.78	—	OVTL01LGAAWS
		—	Daylight White	45	2.9	3.4	3.7	365-1359-1-ND	3.30	2.14	1.83	365-1359-2-ND	1473.78	—	OVTL01LGAWDS
		—	Warm White	30	2.9	3.4	3.7	365-1360-1-ND	3.30	2.14	1.83	365-1360-2-ND	1473.78	—	OVTL01LGAWWS

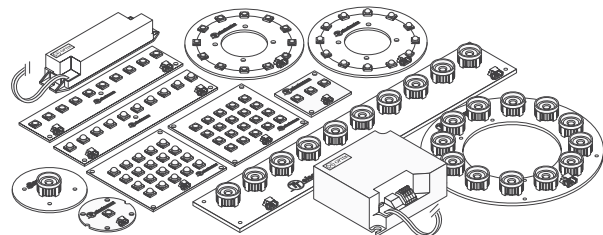
LED Design Kit

Each kit contains three LED drivers to power the VLED assemblies. The assemblies in the LED design kit feature OPTeK's OVSPxBCR4 Series 1-Watt LEDs. The energy efficient packaged LEDs offer high luminance and a long operating lifespan. Available with yellow, blue, green, red and white LEDs. The 1-Watt LEDs offer a full 120° viewing angle and an ultra-low board-mounted profile.

Kit includes (1 each):

- LD350: Power cube 350mA with 110 VAC power cord
- LD700: Power cube 700mA with 110 VAC power cord
- LD1400: Power cube 1400mA with 110 VAC power cord
- OPA729: Linear 10/1W LED (Power with LD700)
- OPA730: Round Flood 12/1W LED (Power with LD700)
- OPA731: Square Flood 20/1W LED (Power with LD1400)
- OPA733R: Round Spot 1W Red LED (Power with LD350)
- OPA733Y: Round Spot 1W Yellow LED (Power with LD350)
- OPA733G: Round Spot 1W Green LED (Power with LD350)
- OPA733B: Round Spot 1W Blue LED (Power with LD350)
- OPA733W: Round Spot 1W White LED (Power with LD350)
- OPA739: Square 3/1W LED (Power with LD350)
- OPA740: Linear with Lens 10/1W LED (Power with LD700)
- OPA741: Ring with Lens 12/1W LED (Power with LD700)
- OPA742: Round Spot with Lens 1W LED (Power with LD350)

365-1362-ND (OPAKIT-100) 519.09



Power Line Designer Kit

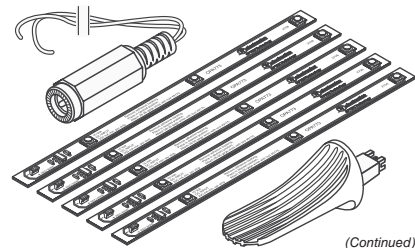
The self-contained Power Line Designer Kit is a flexible and scalable lighting solution using mid-power LEDs to supply high luminous flux without additional heatsinking requirements. The kit includes components and instructions to allow a designer to configure LED placement as needed for uniform illumination in an application. With a 10-volt power supply, the Power Line Kit is a total lighting solution.

Applications: • Architectural accent lighting • Under-counter lighting • Media illumination • Lighting for large channel letters • Backlighting for light boxes • Point-of-sale displays

Kit includes:

- Five PCBs 8" in length
- Populated with three 0.5-Watt white LEDs
- Wire harness with connector
- Hand insertion tool

365-1483-ND (OVL5W3K) 25.48



(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

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