

# High-Output LEDs, Circuit Board Indicators & LED Drivers

## High-Output LEDs (Continued)

**NEW**  
MARKED IN PINK

Figure images on previous page

\* Web Code: **RBJ**

\* Order in multiples of 10

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
2115493	UT5HW3-4D-JRC3-4861-R	JVP	1	White	Water clear	T1 ¼	0.197/5	0.30	0.95	0.10	4.0	7000	—	30	\$1.19	\$1.09	\$.95	\$.79
2160067	MVL-5145W-T	UNI	2	White	Water clear	T1 ¼	0.197/5	0.30	1.04	0.10	3.2	7000	—	30	1.09	.99	.89	.75
2144753	TLWB7600	VSH	3	Blue	Water clear (7.62mm sq.)	2mm dome	0.079/2	0.30	0.30	0.20	4.3	2000	470	30	.29	.25	.19	.15
2005702	LTL9122VEKSA	LTO	3	Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.15	1200	632	50	*	.10	.08	.06
404603	MCDL-1860UGC-TL	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	.59	.49	.39	.29
404591	MCDL-1860UBC-15C	JVP	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	1.39	1.25	1.15	.99
664341	MCDL-1870UWC-15C	JVP	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	1.69	1.55	1.39	1.29
404582	MCDL-1860UWC-15C	JVP	3	Ultra White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	1.59	1.45	1.19	1.09
2167429	MVL-914MMW	UNI	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.2	4000	528	50	1.29	1.19	.95	.79
2167390	MVL-904MMW	UNI	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	4000	528	30	1.29	1.19	.95	.79
2205296	MCD-10003URC	JVP	2	Red	Water clear	10mm	0.394/10	0.47	1.00	0.10	1.9	1500	660	20	1.29	1.19	1.05	.85
2205309	MCD-10003UEC	JVP	2	Orange	Water clear	10mm	0.394/10	0.47	1.00	0.10	2.0	2000	625	20	1.29	1.19	1.05	.85
2205317	MCD-10003UYC	JVP	2	Yellow	Water clear	10mm	0.394/10	0.47	1.00	0.10	2.0	1800	589	20	1.29	1.19	1.05	.85
2205325	MCD-10003BC	JVP	2	Blue	Water clear	10mm	0.394/10	0.47	1.00	0.10	3.5	3000	470	20	1.39	1.25	1.09	.95
2205333	MCD-10003PGC	JVP	2	Green	Water clear	10mm	0.394/10	0.47	1.00	0.10	3.5	11000	525	20	1.39	1.25	1.09	.95
2205341	MCD-10003UWC	JVP	2	White	Water clear	10mm	0.394/10	0.47	1.00	0.10	3.5	9000	—	20	1.39	1.25	1.09	.95

Optos

## JAMECO ValuePro RGB High-Output LEDs

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\* Web Code: **RKK**

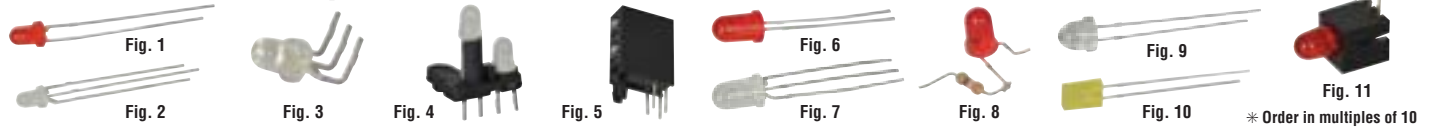
Part No.	Cross Ref. No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
2125181	MCDL-5T8R6G5B6C	JVP	4	Red/Green/Blue	Water clear	T1 ¼	0.197/5	0.34	1.11	0.028	2.25/3.5/3.5	3500/4000/2000	624/525/470	20	\$1.95	\$1.75	\$1.59	\$1.39
2128500	MCDL-5013RGB-C-TL-A	JVP	4	Red/Green/Blue	Water clear	T1 ¼	0.197/5	0.30	0.78	0.05	2.0/3.5/3.5	3000/5000/1000	628/525/470	25	1.95	1.75	1.59	1.39
2157271	MCDL-5013RGBW-B	JVP	1	Red/Green/Blue	Diffused	T1 ¼	0.197/5	0.30	1.00	0.10	2.3/3.5/3.5	300/300/300	630/525/470	40	1.49	1.35	1.19	1.09
2152163	MCDL-833RGBW-B	JVP	1	Red/Green/Blue	Diffused	10mm	0.394/10	0.43	1.00	0.10	5.0/5.0/5.0	700/800/400	625/525/470	20	1.79	1.59	1.39	1.19

2125181: Common Cathode; 2128500: Common Anode † Auto blink/color change function

## LITEON Standard-Output LEDs and Circuit Board Indicators (CBI)

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Visit [Jameco.com](http://Jameco.com) and use web code

\* Web Code: **SOI**



\* Order in multiples of 10

Part No.	Product No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
							A"	B"						1	10	100	1000
2186515	LTL-4202	1	Red	Transparent	T1	0.119/3	0.17	1.00	0.10	1.7	5.6	655	20	*	\$.07	\$.055	\$.045
697565	LTL-4211N	1	Bright Red	Diffused	T1	0.119/3	0.17	1.00	0.10	2.1	2.5	697	40	*	.07	.055	.045
2186435	LTL-16KEE	1	Hi Eff. Red	Transparent	T1	0.119/3	0.16	0.95	0.10	2.0	19	635	45	*	.07	.055	.045
2186371	LTL-1BEWJ	2	Red/Green	Diffused (3 lead)	T1	0.119/3	0.16	0.79	0.10	1.8/2.1	12.6/5.6	660/565	140	*	.12	.09	.06
2186451	LTL-1BEHKVMP1	3	Hi Eff. Red/Green	Water Clear (3 lead)	T1	0.119/3	0.16	0.19	0.10	2.0/2.1	19/29	650/565	55	*	.09	.069	.055
790111	LTL-16KGE	1	Green	Transparent	T1	0.119/3	0.16	0.95	0.10	2.1	40	569	45	*	.079	.059	.045
2186304	LTL-14CHJE	4	Green/Red Orange	Diffused (4 lead)	T1	0.119/3	0.13	0.14	0.10	2.1/2.0	4.8	565/630	200	*	.07	.055	.045
2186398	LTL-1HEDK	2	Green/Yellow	Water Clear (3 lead)	T1	0.119/3	0.12	0.79	0.10	2.1	19	565/585	70	*	.12	.09	.06
2186275	L934JQ/2GC-C15	5	Green/Green (dual)	Diffused	T1	0.119/3	0.50	0.18	0.10	1.8	20	568	60	*	.12	.09	.06
2193900	LTL-307UR-002	6	Red	Diffused	T1 ¼	0.197/5	0.29	0.83	0.10	1.8	470	660	50	*	.09	.07	.055
2186321	LTL-4204	6	Red	Transparent	T1 ¼	0.197/5	0.30	1.00	0.10	1.7	19	655	16	*	.12	.09	.06
2186558	MSB557DA-OHM	8	Red (blinking)	Diffused	T1 ¼	0.197/5	0.30	0.94	0.10	3.0	80	660	30	*	.12	.09	.06
2186460	LTL-30WJNF	6	Red/Green	Diffused	T1 ¼	0.197/5	0.34	0.83	0.10	1.8/2.1	60/29	660/565	60	*	.15	.12	.099
1995960	LTL-30EHJ-002	7	Red Orange/Green	Diffused (3 lead)	T1 ¼	0.197/5	0.37	0.79	0.10	2.0/2.1	60/100	630/565	30	*	.15	.12	.09
2186419	LTL-2H3VYKNT	6	Amber Yellow	Water Clear	T1 ¼	0.197/5	0.30	0.87	0.10	2.0	3400	595	15	*	.15	.12	.09
2186259	LTL-5238	9	Green (low profile)	Water Clear	T1 ¼	0.197/5	0.18	1.00	0.10	2.1	34	565	44	*	.07	.055	.039
2186312	LTL-514-11	11	Green	Diffused	T1 ¼	0.197/5	0.31	0.27	0.10	2.1	19	565	34	*	.12	.09	.06
2186267	LTL-433Y	10	Yellow (rectangular)	Diffused	2mmx5mm	Rectangle	0.29	1.00	0.10	2.1	3.7	585	140	*	.06	.04	.03
2186347	LTL-3231A-012	10	Green (rectangular)	Diffused	2mmx5mm	Rectangle	0.28	1.00	0.10	2.1	2.5	565	140	*	.05	.035	.025

## Power LED Driver Module

- Delivers accurate constant current required by most high power LEDs
- Input voltage: 6-12VAC/9-18VDC • Power consumption: 650mA max.
- High efficiency due to switch mode principle
- Size: 1.8"L x 1.2"W x 0.64"H • Short-circuit protected
- Built-in rectifier for easy connection to AC source
- Also suited as fixed current NiCd/NiMH battery charge circuit
- Constant current source: 350mA or 700mA



## 10-Watt Constant Current LED Driver

- Type: AC – DC • Input volt.: 100-240VAC @ 50-60Hz
- 3-watt LED drivers can drive 2 to 8 1-watt LEDs or 1 to 3 3-watt LEDs • Operating temp. range: -20°C to 40°C
- 10-watt LED drivers can drive 3 to 8 1-watt LEDs
- UL/CUL/CE approved
- Plug in type, 7 ft. cable with 2.1mm x 5.5mm center positive plug



Part No.	Mfr. Part No.	Description	1	5	Part No.	Mfr. Part No.	Description	Output Volt./Curr.	1	5
2006932	K8071	1-watt/3-watt module kit	\$13.95	\$12.95	2006879	LD-PI3536AF	10-watt LED driver	3-36VDC @ 350mA	\$17.95	\$15.95

\* JVP = Jameco ValuePro | LTO = Lite-On | UNI = Unity Opto Technology | VSH = Vishay

\* For additional products, availability and specifications visit [Jameco.com](http://Jameco.com) and enter the Web Code in the product search box

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