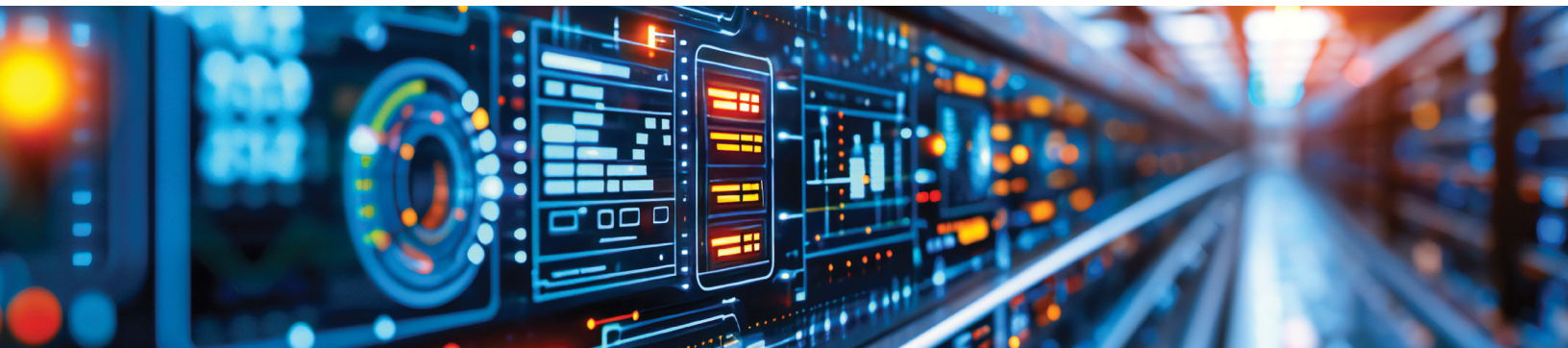




AI APPLICATIONS LED INDICATOR

SELECTOR GUIDE



About us

Dialight is a market leader within the LED indication and signals communities, with millions of products used in most markets throughout the world. Our story began in 1938 in Brooklyn, NY, producing panel indication components for military aircraft and industrial applications. In 1971, shortly following the inception of the LED, we launched our first LED component product. In 1995 came our introduction of the first LED vehicle light and traffic signals in North America, followed by the first ever hazardous location certified LED lighting system. We have continued to revolutionize the use of LEDs to provide superior indication products, vehicle lights, traffic signals as well as lighting for structural towers and industrial work sites around the world.

Dialight Signals & Components continues the development specifically in the area of optoelectronic components, traffic, vehicle and rail lighting products. We boast a first rate team of engineers with a knowledge base that provides the best in technology development and superior product functionality and durability. We remain the industry authority in LED board level through hole and surface mount indication, with an exceptional range of the revolutionary PRISM® SMDs and OPTOPIPE® Light Pipes. Having expanded LED technology into our legendary panel mount line and based LED bulbs, Dialight offers the widest range and most reliability of indicator products. It is our commitment to our customers to continue to provide these reliable, high quality LED products, with best in class service and support, for decades to come.

We see a world transformed to be safer, more productive, and environmentally friendly through the use of LEDs. With the most options and the highest quality, it's not just a light; it's a Dialight.





Where LED Indication Fits Into AI Infrastructure

NAVIGATING THE AI “BLACK BOX”

Artificial intelligence drives massive data center growth. As these dense computing platforms scale, tracking hardware health becomes difficult. Physical hardware requires immediate, real-time status reporting to prevent downtime.

THE VALUE OF VISUAL DIAGNOSTICS

LED indicators act as the “check engine light” for data centers. They bridge the gap between complex machines and human operators by:

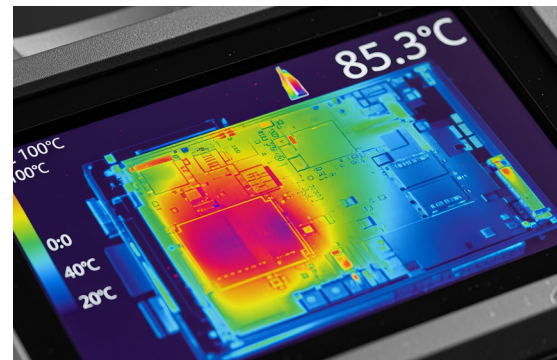
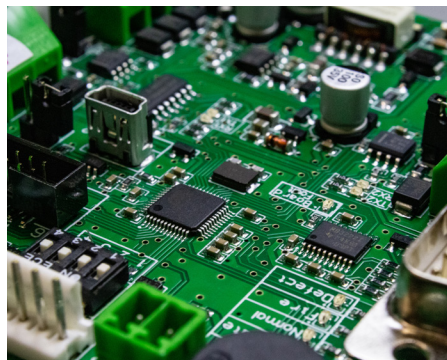
- **Locating faults:** Guiding technicians instantly to failed drives in massive server racks.
- **Showing status:** Using Addressable RGB color shifts to warn of rising thermal levels.
- **Maximizing uptime:** Providing instant, reliable physical troubleshooting feedback.

ENGINEERING FOR AI ENVIRONMENTS

High-performance GPUs generate intense heat and crowded circuit boards. Selecting the right components ensures your hardware communicates effectively under stress. This guide helps you choose the right solutions to:

- **Save space:** Utilizing compact surface-mount devices and advanced light pipes.
- **Protect hardware:** Minimizing electromagnetic interference and electrostatic discharge.
- **Enhance vision:** Implementing specialized infrared LEDs for AI vision systems.

Explore Dialight’s AI Applications Selector Guide to find the exact components you need.



Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max			

0402 Top View

	597-3327-507F	● Green	1.0 x 0.6 x 0.2mm	527	56	220	5 mA	Clear	3
	598-8A10-107F	● Red	1.0 x 0.5 x 0.4mm	635	28	100	5 mA	Clear	3
	598-8A20-107F	● Red		625	28	65			
	598-8A30-107F	● Orange		605	28	65			
	598-8A40-107F	● Yellow		591	18	65			
	598-8A60-107F	● Yellow-Green		572	8	18			
	598-8A80-107F	● Green		528	230	430			
	598-8A90-107F	● Blue		470	230	430			

	598-2A00-107F	○ White	1.0 x 0.5 x 0.25mm	x=0.314 / y=0.315	315	530	5 mA	Diffused	3
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	598-2A01-107F	○ White	1.0 x 0.5 x 0.4mm	x=0.299 / y=0.33	600	1400	20 mA	Diffused	3
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	599-1A10-147F	● Red	1.0 x 0.5 x 0.35mm	630	11	45	5 mA	Diffused	3
	599-1A30-147F	● Orange		605	11	72			
	599-1A40-147F	● Yellow		589	7	45			
	599-1A60-147F	● Yellow-Green		571	7	29			
	599-1A80-147F	● Green		529	180	360			
	599-1A90-147F	● Blue		472	180	360			

0404 RGB Top View

	599-0A10-327F	● Red	1.0 x 1.0 x 0.3mm	620	86	247	5 mA	Clear	3
		● Green		530	190	542			
		● Blue		470	39	146			

0603 Top View

	597-3604-507F	● Blue	1.6 x 0.8 x 0.55mm	470	14	56	5 mA	Diffused	3
	597-3324-507F	● Green		527	56	220			
	597-3904-507F	○ White		x=0.295 / y=0.28	56	220			

	597-5004-407NF	● Red	1.6 x 0.8 x 0.7mm	626	68	120	20 mA	Diffused	3
	597-5213-407NF	● Orange		605	82	140			
	597-5223-407NF	● Yellow		590	56	100			
	597-5412-407NF	● Yellow-Green		572	33	56			

	598-2000-107F	○ White	1.6 x 0.8 x 0.7mm	x=0.307 / y=0.304	65	200	5 mA	Clear	3
	598-2005-107F			x=-0.299 / y=0.33	500	1000	20 mA		

	598-2002-107F	○ White	1.6 x 0.8 x 0.7mm	x=0.212 / y=0.169	280	800	20 mA	Clear	3
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	598-2003-107F	○ White	1.6 x 0.8 x 0.40mm	x=0.255 / y=0.242	230	1200	20 mA	Clear	3
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	598-2N00-107F	○ White	1.6 x 0.8 x 0.25mm	x=0.272 / y=0.258	430	1000	20 mA	Clear	3
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Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max			

0603 Top View

	598-8010-107F	● Red	1.6 x 0.8 x 0.7mm	633	30	90	20 mA	Clear	3
	598-8011-107F	● Red		633	100	530			
	598-8020-107F	● Red		625	120	330			
	598-8030-107F	● Orange		605	70	200			
	598-8040-107F	● Yellow		592	120	200			
	598-8041-107F	● Yellow		590	350	650			
	598-8060-107F	● Yellow-Green		572	43	80			
	598-8081-107F	● Green		525	260	900			
	598-8091-107F	● Blue		470	90	200			
	598-8N10-107F	● Red	1.6 x 0.8 x 0.25mm	630	28	100	20 mA	Clear	3
	598-8N20-107F	● Red		622	65	350			
	598-8N30-107F	● Orange		605	65	350			
	598-8N40-107F	● Yellow		590	65	350			
	598-8N60-107F	● Yellow-Green		570	18	80			
	598-8N80-107F	● Green		525	230	1200			
	598-8N90-107F	● Blue		470	43	230			
	599-0010-137F	● Red	1.6 x 0.8 x 0.40mm	630	50	200	20 mA	Clear	2
	599-0030-137F	● Orange		605	50	320			
	599-0040-137F	● Yellow		595	50	320			
	599-0060-137F	● Yellow-Green		572	20	125			
	599-0080-137F	● Green		525	200	1250			
	599-0090-137F	● Blue		470	50	320			
	599-2000-137F	○ White		x=0.26-0.31 / y=0.225-0.34	200	1250		Diffused	
	599-1010-147F	● Red	1.6 x 0.8 x 0.6mm	624	28	113	20 mA	Diffused	2a
	599-1030-147F	● Orange		605	71	180			
	599-1040-147F	● Yellow		589	45	180			
	599-1060-147F	● Yellow-Green		571	28	113			
	599-1080-147F	● Green		525	112	360			
	599-1090-147F	● Blue		470	45	180			
	599-2000-147F	○ White		x=0.29 / y=0.285	226	560			

0603 Top View / Domed Lens

	599-0710-147F	● Red	1.60 x 0.80 x 0.95mm	622	450	1440	20 mA	Clear	2a
	599-0720-147F	● Red-Orange		630	180	560			
	599-0740-147F	● Yellow		589	360	900			
	599-0760-147F	● Yellow-Green		571	45	285			
	599-0780-147F	● Green		522	1440	3600			
	599-0790-147F	● Blue		470	285	900			

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max			

0606 Top View / Bi-Color

	598-8410-207CF	● Red	1.6 x 1.6 x .7mm	633	43	100	20 mA	Non-Diffused	3
		● Yellow-Green		570	28	80			
	598-8430-207CF	● Orange		605	70	200			
		● Yellow-Green		570	18	100			
	598-8440-207CF	● Yellow		590	70	200			
		● Yellow-Green		570	18	100			
	598-8450-207CF	● Yellow		590	70	200			
		● Green		523	260	900			
	598-8460-207CF	● Yellow		590	90	200			
		● Red		633	30	90			

0606 Top View / Tri-Color

	598-8710-307F	● Red	1.6 x 1.6 x .7mm	630	35	640	20 mA	Non-Diffused	3
		● Green		520	260	525			
		● Blue		470	60	475			
	598-8720-307F	● Red-Orange		625	65	630			
		● Green		520	260	525			
		● Blue		470	60	475			
	598-8740-307F	● Yellow		590	70	595			
		● Green		523	260	530			
		● Blue		470	60	475			

0805 Top View

	597-3003-407NF	● Red	2.0 x 1.25 x 0.8mm	626	68	120	20mA	Diffused	3
	597-3222-407NF	● Yellow		590					
	597-3212-407NF	● Orange	2.0 x 1.25 x 0.8mm	605	82	150	20 mA	Diffused	3
	597-5311-407NF	● Green	2.0 x 1.25 x 0.8mm	562	10	22	20 mA	Diffused	3
	597-5411-407NF	● Yellow-Green		572	33	56			
	598-2102-107F	○ White	2.0 x 1.25 x 0.7mm	x=0.277 / y=0.275	65	350	5 mA	Diffused	3
	598-2103-107F			x=0.272 / y=0.254	150	700			
	598-2105-107F	○ White	2.0 x 1.25 x 0.7mm	x=0.281 / y=0.288	600	1000	20 mA	Diffused	3
	598-8110-107F	● Red	2.0 x 1.25 x 0.7mm	633	20	90	20 mA	Clear	3
	598-8120-107F	● Red		625	120	260			
	598-8130-107F	● Orange		605	70	260			
	598-8140-107F	● Yellow		592	150	260			
	598-8150-107F	● Yellow		587	90	150			
	598-8160-107F	● Yellow-Green		572	43	80			
	598-8170-107F	● Green		566	12	43			
	598-8181-107F	● Green		525	260	900			
	598-8191-107F	● Blue		470	90	200			

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max.			

0805 Top View

	599-0110-137F	● Red	2.0 x 1.25 x 0.8mm	630	32	200	20 mA	Clear	2
	599-0130-137F	● Orange		605	50	200			
	599-0140-137F	● Yellow		595	80	320			
	599-0160-137F	● Yellow-Green		574	20	80			
	599-0180-137F	● Green		525	200	1250			
	599-0190-137F	● Blue		470	50	320			
	599-2100-137F	○ White		x=0.29-0.31 / y=0.225-0.34	320	1250		Diffused	
	599-1110-147F	● Red	2.0 x 1.3 x 0.8mm	624	45	285	20 mA	Diffused	2a
	599-1130-147F	● Orange		605	45	285			
	599-1140-147F	● Yellow		589	45	180			
	599-1160-147F	● Yellow-Green		571	45	113			
	599-1180-147F	● Green		525	112	360			
	599-1190-147F	● Blue		470	45	180			
	599-2100-147F	○ White		x=0.29 / y=0.285	320	630			

0805 Top View / Bi-Color

	599-1T10-247F	● Red	2.0 x 1.3 x 0.5mm	630	45	180	20mA	Diffused	2a
		● Green InGaN		525	113	360			
	599-1T00-247F	● Red		625	45	180			
		● Blue		470	72	285			
	599-1T30-247F	● Orange		570	18	72			
		● Yellow-Green		605	72	285			
	599-1T40-247F	● Yellow		590	29	113			
		● Yellow-Green		570	72	226			
	599-1T70-247F	● Red		625	45	180			
		● Yellow-Green		570	29	113			

1206 Top View

	597-3302-607F	● Yellow-Green	3.2 x 1.6 x 1.1mm	569	4	30	10mA	Clear	3
	598-2200-107F	○ White	3.2 x 1.6 x 1.0mm	x=0.268 / y=0.258	500	1000	20 mA	Diffused	3
	598-8210-107F	● Red	3.2 x 1.6 x 0.7mm	633	20	90	20mA	Clear	3
	598-8220-107F	● Red-Orange		625	70	200			
	598-8230-107F	● Orange		605	90	260			
	598-8240-107F	● Yellow		592	150	260			
	598-8250-107F	● Yellow		587	19	150			
	598-8260-107F	● Yellow-Green		572	43	100			
	598-8270-107F	● Green		566	18	43			
	598-8281-107F	● Green		525	260	900			
	598-8291-107F	● Blue		470	90	260			

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max.			

1206 Top View

	599-0410-127F	● Red	3.0 x 1.5 x 1.4mm w/ Inner Lens	640	50	160	20mA	Clear	3
	599-0411-127F	● Red		630	200	630			
	599-0440-127F	● Yellow		590	200	630			
	599-0460-127F	● Yellow-Green		570	63	200			
	599-0461-127F	● Yellow-Green		570	80	320			
	599-0480-127F	● Green		525	2000	5200			
	599-0490-127F	● Blue		470	320	1000			
	599-0P10-137F	● Red	3.2 x 1.6 x 1.1mm	630	50	320	20mA	Clear	2
	599-0P20-137F	● Red		625	125	800			
	599-0P30-137F	● Orange		605	80	500			
	599-0P40-137F	● Yellow		595	80	500			
	599-0P60-137F	● Yellow-Green		574	20	125			
	599-0P80-137F	● Green		525	200	1250			
	599-0P90-137F	● Blue		470	80	500			
	599-2P00-137F	○ White		x=0.24-0.28 / y=0.20-0.30	320	1250		Diffused	

1208 Top View

	597-3002-507F	● Red	3.0 x 2.0 x 1.3mm	630	25	160	20 mA	Clear	3
	597-3032-507F	● Red		620	40	250			
	597-3202-507F	● Orange		605	63	400			
	597-3402-507F	● Yellow		590	40	250			
	597-3502-507F	● Yellow-Green		572	16	100			
	597-3312-507F	● Green		560	9	36			
	597-3322-507F	● Green		525	140	900			
	597-3602-507F	● Blue		470	90	560			
	597-3902-507F	○ White		X=0.30 / Y=0.28	900	2200			
	597-3021-507F	● Red	3.0 x 2.0 x 1.3mm	650	2.2	18	20 mA	Clear	3
	597-3111-507F	● Red		630	2.2	10.4			
	597-3211-507F	● Orange		610	3	28			
	597-3301-507F	● Green		575	5	45			
	597-3401-507F	● Yellow		585	2	18			

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max.			

1210 Top View / Bi-Color

	597-7701-507F	● Red	3.0 x 2.5 x 1.3mm	630	3	11	20 mA	Clear	3
		● Green		570	9	45			
	597-7721-507F	● Yellow		589	5	18			
		● Green		570	9	45			

	598-8610-207F	● Red	3.2 x 2.7 x 0.7mm	635	40	90	20 mA	Non-Diffused	3
		● Green		570	30	50			
	598-8621-207F	● Red-Orange		625	90	150			
		● Green		525	260	900			
	598-8640-207F	● Yellow		590	80	230			
		● Green		790	30	50			
	598-8660-207F	● Yellow		590	90	200			
		● Red		635	40	90			
	598-8610-207F	● Red	3.2 x 2.7 x 0.7mm	635	40	90	20 mA	Non-Diffused	3
		● Green		570	30	50			
	598-8621-207F	● Red-Orange		625	90	150			
		● Green		525	260	900			
	598-8640-207F	● Yellow		590	80	230			
		● Green		790	30	50			
	598-8660-207F	● Yellow		590	90	200			
		● Red		635	40	90			

1210 Top View / Tri-Color

	598-8610-307F	● Red	3.2 x 2.7 x 0.7mm	635	40	90	20 mA	Non-Diffused	3
		● Green		520	260	900			
		● Blue		470	60	260			
	598-8920-307F	● Red-Orange		625	90	150			
		● Green		520	260	900			
		● Blue		470	90	260			
	598-8940-307F	● Yellow		590	90	260			
		● Green		520	260	900			
		● Blue		470	60	260			

1615 Top View / Tri-Color

	599-0L10-827F	● Red	1.5 x 1.6 x 0.6mm	625	112	321	20 mA	Non-Diffused	3
		● Green		520	321	1192			
		● Blue		470	112	321			

PLCC-4 Domed Lens

	598-8J10-103F	● Red	3.2 x 2.8 x 3.5mm	629	8000	15000	50 mA	Clear	2
	598-8J40-103F	● Yellow		592	12000	28000			
	598-8J20-103F	● Red-Orange		621	15000	35000			
	598-8J90-103F	● Blue		468	4300	10000			
	598-8J80-103F	● Green		520	15000	35000			

3030 Top View / RGBW

					Lumimous Flux (lm)				
					Min.	Max.			
	599-2310-427F	● Red	3.0 x 3.0 x 0.65mm	620	1	5	20 mA	Tinted, Diffused	3
		● Green		525	4	11			
		● Blue		470	0.5	2.5			
		○ White		5300K-6000K	6	14			

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max.			

PLCC-4 1515 / Tri-Color

	598-8H10-313F	● Red	1.7 x 1.6 x 1.6mm	625	255	330	20 mA	Clear	5a
		● Green		525	675	880			
		● Blue		470	78	102			

PLCC-6 2827 Top View / Tri-Color

	598-8G10-313F	● Red	2.8 x 2.7 x 2.45mm	625	600		20 mA	Clear	5a
		● Green		525	1420				
		● Blue		470	320				

PLCC-6 3735 Top View / Tri-Color

	598-8F10-313F	● Red	3.7 x 3.5 x 2.8mm	625	575	1290	20 mA	Clear	5a
		● Green		525	1665	3750			
		● Blue		470	365	825			

1206 Reverse Mount

	597-6222-107F	● Orange	3.2 x 1.6 x 1.6mm	605	417	1550	20 mA	Clear	3
	597-6232-107F	● Yellow		589	417	1550			
	597-6502-107F	● Yellow-Green		571	112	417			
	597-6322-107F	● Green		525	542	2015			
	597-6602-107F	● Blue		469	705	2015			

0603 / 0605 Side View

	597-2003-507F	● Red	1.6 x 0.55 x 1.15mm	630	16	100	20 mA	Clear	3
	597-2033-507F	● Red		620	25	160	20 mA		
	597-2323-507F	● Green		527	56	220	5 mA		
	597-2403-507F	● Yellow		590	36	180	20 mA		
	597-2503-507F	● Yellow-Green		572	10	63	20 mA		
	597-2603-507F	● Blue		470	56	360	20 mA		
	597-2903-507F	○ White		x=0.30 / y=0.30	22	140	5 mA		

	598-8D10-107F	● Red	1.6 x 0.8 x 0.98mm	635	30	90	20 mA	Clear	3
	598-8D20-107F	● Red		620	150	330			
	598-8D30-107F	● Orange		605	90	200			
	598-8D40-107F	● Yellow		590	120	200			
	598-8D60-107F	● Yellow-Green		570	28	80			
	598-8D80-107F	● Green		525	70	200			
	598-8D90-107F	● Blue		470	350	530			

	598-8D11-127F	● Red	1.6 x 0.6 x 1.2mm	635	66	190	20 mA	Clear	3
	598-8D21-127F	● Red		625	86	321			
	598-8D31-127F	● Orange		605	112	321			
	598-8D41-127F	● Yellow		589	86	321			
	598-8D61-127F	● Yellow-Green		570	30	112			
	598-8D81-127F	● Green		525	320	917			
	598-8D91-127F	● Blue		470	86	321			

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max.			

0603 / 0605 Side View

	599-0R10-137F	● Red	1.7 x 0.6 x 1.1mm	635	29	72	20 mA	Clear	2
	599-0R30-137F	● Orange		605	45	112			
	599-0R40-137F	● Yellow		590	90	225			
	599-0R60-137F	● Yellow-Green		570	18	45			
	599-0R80-137F	● Green		525	112	285			
	599-0R90-137F	● Blue		470	29	72			
	599-2R00-137F	○ White		x=0.29 y=0.29	45	112			
	598-2D00-127F	○ White	1.6 x 0.6 x 1.2mm	x=0.25-0.29 / y=0.225-0.287	146	417	5 mA	Diffused	3

1208 Side View

	598-8310-117F	● Red	3.2 x 1.0 x 1.5mm	635	40	90	20 mA	Clear	3
	598-8320-117F	● Red		625	120	200			
	598-8330-117F	● Orange		605	70	150			
	598-8340-117F	● Yellow		590	90	200			
	598-8360-117F	● Yellow-Green		570	43	80			
	598-8380-117F	● Green		520	260	900			
	598-8391-117F	● Blue		470	90	260			
	599-0Q10-137F	● Red	3.2 x 1.0 x 1.5mm	630	50	200	20 mA	Clear	2
	599-0Q30-137F	● Orange		605	50	200			
	599-0Q40-137F	● Yellow		590	80	320			
	599-0Q60-137F	● Yellow-Green		570	32	200			
	599-0Q80-137F	● Green		525	200	800			
	599-0Q90-137F	● Blue		470	80	320			
	599-2Q00-137F	○ White		x=0.26-0.31 / y=0.225-0.34	200	800		Diffused	
	599-0Q10-147F	● Red	3.0 x 2.0 x 1.0mm	624	28	180	20 mA	Clear	2a
	599-0Q30-147F	● Orange		605	71	180			
	599-0Q40-147F	● Yellow		589	45	180			
	599-0Q60-147F	● Yellow-Green		571	18	72			
	599-0Q80-147F	● Green		525	180	450			
	599-0Q90-147F	● Blue		470	45	180			
	599-2Q01-147F	○ White		x=0.3100 / y=0.3100	90	320		Yellow Diffused	

1208 Side View / Bi-Color

	599-0Q30-247F	● Yellow-Green	3.0 x 1.0 x 2.0mm	570	29	113	20 mA	Clear	2a
		● Orange		605	45	180			
	599-0Q40-247F	● Yellow		590	29	113			
		● Yellow-Green		570	18	72			
	599-0Q50-247F	● Yellow		590	45	180			
		● Green InGaN		525	115	450			
	599-0Q70-247F	● Red		630	140	320			
		● Yellow-Green		570	45	180			
		● Orange		605	45	180			
	599-0Q80-247F	● Blue		470	45	180			

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max.			

1208 Side View / Tri-Color

	599-0Q10-337F	● R ● G ● B	3.2 x 1.0 x 1.5mm	R 630 G 525 B 470	R 80 G 320 B 80	R 200 G 1250 B 200	20 mA	Clear	2
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1208 Right Angle / Bi-Color

	598-8590-227F	● Yellow	3x1x1.9mm	590	86	247	5 mA	Tinted, Non-Diffused	3
		● Blue		470	66	190			
	598-9500-227F	● Green	3x1x1.9mm	530	51	146	5 mA	Tinted, Diffused	3
		○ White		x=0.28 / y=0.28	51	146			

1616 Side View

	597-2002-807F	● Red	4.0 x 4.0 x 3.55mm	630	81	292	20 mA	Clear	2a
	597-2302-807F	● Yellow-Green		573	32	150			
	597-2201-807F	● Yellow		590	90	225			
	597-2202-807F	● Yellow		590	280	900			
	597-2321-807F	● Green		525	285	715			
	597-2322-807F	● Green		525	1500	3000			
	597-2601-807F	● Blue		470	180	450			
	597-2901-807F	○ White		x=0.308 / y=0.318	900	1420			
	597-2902-807F	○ White		x=0.308 / y=0.318	2000	4000			

PLCC-2 Side View

	599-0H90-147F	● Blue	2.80 x 1.20 x 0.80mm	470	360	560	20 mA	Clear	2a
	599-0H80-147F	● Green		525	1800	2850			
	599-0H10-147F	● Red		620	360	715			
	599-2H00-147F	○ White		x=0.2800 / y=0.2600	1440	2835		Yellow Diffused	

Addressable RGB LED • SMD LED + IC

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF= mA)	Lens Type	MSL Level
				Min.	Max			

2020 Top View / Single-Wire

	587-1024-147F	Red	2.0 x 2.0 x 0.9mm	622	40	120	5 mA	Clear	3
		Green		525	60	180			
		Blue		468	15	60			

3435 PLCC-6 Top View / Single-Wire

	587-2346-447F	● Red	3.4 x 3.5 x 1.4mm	622	306	8.5 mA	Clear	4
		● Green		525	839			
		● Blue		468	170			

3535 Top View / Single-Wire

	587-2074-137F	Red	3.5 x 3.5 x 1.9mm	620	300	650	12 mA	Clear	4
		Green		525	750	1350			
		Blue		470	125	320			

4020 Side View PLCC / Single-Wire

	587-1064-137F	Red	4.0 x 2.0 x 1.6mm	625	240	450	12 mA	Clear	5a
		Green		525	580	1050			
		Blue		465	160	320			

5050 Top View / Single-Wire

	587-2054-127F	Red	5.0 x 5.0 x 1.6mm	623	400	700	12 mA	Clear	5a
		Green		525	1000	1500			
		Blue		465	200	400			

	587-2056-147F	Red	5.0 x 5.0 x 1.60mm	625	360	900	20 mA	Clear	5a
		Green		525	560	1800			
		Blue		465	112	250			

Right Angle / Side View / Single-Wire

	587-1034-147F	Red	3.20 x 1.00 x 1.50mm	622	29	180	5 mA	Clear	3
		Green		525	45	285			
		Blue		468	12	72			

1616 Top View / Dual-Wire

	587-1016-247F	Red	1.60 x 1.60 x 0.9mm	622	40	120	5 mA	Clear	3
		Green		525	60	180			
		Blue		468	15	60			

2020 Top View / Dual-Wire

	587-1026-237F	● Red	2.0 x 2.0 x 0.75mm	620	400	20 mA	Clear	3
		● Green		520	800			
		● Blue		465	155			

3228 Top View / Dual-Wire

	587-2086-247F	Red	3.20 x 2.80 x 1.00mm	622	90	226	5 mA	Clear	5a
		Green		525	360	630			
		Blue		465	56	90			

5050 Top View / Dual-Wire

	587-2056-247F	Red	5.0 x 5.0 x 1.60mm	620	560	1125	20 mA	Clear	5a
		Green		525	1125	2850			
		Blue		468	285	715			

Infrared LEDs

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max			

Gull Wing

	521-5004F	IR Non-Visible	1.9mm round lens 2.8mm pkg height	850	5	20	20 mA	Clear	1
	521-5005F			940					

0402 Top View

	599-1AA0-147IRF	IR Non-Visible	1.0 x 0.5 x 0.5mm	850	3.0	7.5	70 mA	Clear	4
	599-1AC0-147IRF			940	4.0	7.5			

0402 Side View

	599-1GC0-147IRF	IR Non-Visible	1.0 x 0.55 x 0.3mm	940	3.0	7.5	50 mA	Clear	2a
	599-3GA0-147IRF			850	4.0	7.5		Tinted, Non-Diffused	

0603 Top View

	599-10A0-147IRF	IR Non-Visible	1.6 x 0.8 x 0.7mm	850	7.5	12.5	100 mA	Clear	2a
	599-10C0-147IRF			940	1.0	4.0	20 mA		

0603 Top View With Dome Lens

	599-17A0-147IRF	IR Non-Visible	1.6 x 0.8 x 1.0mm	850	22.0	30.0	80 mA	Clear	2a
	599-17C0-147IRF			940	4.0	11.5	20 mA		

0805 Top View

	599-11A0-147IRF	IR Non-Visible	2.0 x 1.3 x 0.8mm	850	0.5	3.0	20 mA	Clear	2a
	599-11C0-147IRF			940	0.1	2.0			

1206 Reverse Mount

	599-1KA0-147IRF	IR Non-Visible	3.2 x 1.6 x 1.1mm w/inner lens	850	3.5	7.0	50 mA	Clear	2a
	599-1KC0-147IRF			940	3.0	6.0	20 mA		

1206 Top View

	599-12A0-147IRF	IR Non-Visible	3.2 x 1.6 x 1.1mm	850	1.0	4.0	20 mA	Clear	2a
	599-12C0-147IRF			940	0.5	2.0			

1206 Top View With Dome Lens

	599-15C0-147IRF	IR Non-Visible	3.2 x 1.6 x 1.85mm	940	20.0	33.0	20 mA	Clear	2a
	599-35A0-147IRF			850	17.5	32.5		Tinted, Non-Diffused	

1208 Side View

	599-1QC0-147IRF	IR Non-Visible	3.0 x 2.0 x 1.0mm	940	30.0	60.0	100 mA	Clear	2a
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1209 Side View With Dome Lens

	599-1EA0-147IRF	IR Non-Visible	3.2 x 2.55 x 1.6mm	850	7.5	15.0	20 mA	Clear	2a
	599-2EC0-147IRF			940	3.0	7.5			

Infrared LEDs

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Intensity (mcd)		Test Current (IF=mA)	Lens Type	MSL Level
				Min.	Max.			

2812 PLCC-2 / Side View

	599-4HA0-147IRF	IR Non-Visible	2.8 x 1.2 x 0.8mm	850	10.0	17.5	100 mA	Clear	4
	599-4HC0-147IRF			940	10.0	17.5			

3528 PLCC-4 Top View With Dome Lens

	598-2JA0-103IRF	IR Non-Visible	3.5 x 2.8 x 3.5mm	850	71.5	285	100 mA	Diffused	3
	598-2JC0-103IRF			940	71.5	285			

3528 PLCC-2 Top View

	599-4FA0-147IRF	IR Non-Visible	3.5 x 2.8 x 1.9mm	850	1.75	7.25	20 mA	Clear	4
	599-4FB0-147IRF			880	2.9	4.0			
	599-4FC0-147IRF			940	3.0	7.5			

3535 1W 350mA / Top View Ceramic With Dome Lens

	582-C14A3-537HPF	IR Non-Visible	3.50 x 3.50 x 3.63mm	850	210	620	350 mA	Water Clear	3
	582-C14A5-537HPF		3.50 x 3.50 x 3.03mm		280 Typ.				
	582-C14A11-537HPF		3.50 x 3.50 x 2.03mm		70	140			
	582-C14A16-537HPF		3.50 x 3.50 x 1.90mm		30	70			
	582-C14A38-537HPF		3.50 x 3.50 x 2.17mm		60	120			

3535 2W 1000mA / Top View Ceramic With Dome Lens

	582-C14A5-137HPF	IR Non-Visible	3.50 x 3.50 x 3.03mm	850	520	1070	1000 mA	Water Clear	3
	582-C14A9-137HPF		3.50 x 3.50 x 2.53mm		250	520			
	582-C14A12-137HPF		3.50 x 3.50 x 2.03mm		210	430			
	582-C14A16-137HPF		3.50 x 3.50 x 1.90mm		120	250			
	582-C14A38-137HPF		3.50 x 3.50 x 2.17mm		170	360			
	582-C14A94-137HPF		3.50 x 3.50 x 2.70mm		360	740			

3535 3.5W 1000mA / Top View Ceramic With Dome Lens

	582-A24A3-137HPF	IR Non-Visible	3.50 x 3.50 x 3.63mm	850	1070	2205	1000 mA	Water Clear	3
	582-A24A4-137HPF		3.50 x 3.50 x 3.63mm		740	1535			
	582-A24A5-137HPF		3.50 x 3.50 x 3.33mm		520	1070			
	582-A24A6-137HPF		3.50 x 3.50 x 3.03mm		520	1070			
	582-A24A9-137HPF		3.50 x 3.50 x 2.53mm		360	740			
	582-A24A13-137HPF		3.50 x 3.50 x 2.03mm		250	520			
	582-A24A16-137HPF		3.50 x 3.50 x 1.90mm		170	360			
	582-A24A43-137HPF		3.50 x 3.50 x 3.62mm		740	1535			
	582-A24A61-137HPF		3.50 x 3.50 x 2.70mm		360	740			

Infrared LEDs

Part Number	Color	Package Dimensions	Dominant Wavelength Typ. (nm)	Radiant Flux (mW)	Test Current (IF=mA)	Lens Type	MSL Level
				Typ.			

3838 1000mA / Top View EMC With Dome Lens

	582-E16A8-103HPF	IR Non-Visible	3.80 x 3.80 x 2.28mm	850	800	1000 mA	Clear	3
	582-E16A10-503HPF		3.80 x 3.80 x 2.15mm		320			
	582-E16C8-103HPF		3.80 x 3.80 x 2.28mm		800			
	582-E16C15-103HPF		3.80 x 3.80 x 1.57mm		800			
	582-E26A8-103HPF		3.80 x 3.80 x 2.28mm		1400			
	582-E26C8-103HPF		3.80 x 3.80 x 2.28mm		1400			

Phototransistors

0603 / Top View

	Part Number	Color	Package Dimensions	Dominant Wavelength	Range of Spectral Bandwidth (nm)		Test Current	Lens Type	MSL Level
					Typ.	Max.			
	599-30C0-147PTF	Non-Visible	1.6 x 0.8 x 0.66mm	940	750	1100	20 mA	Tinted, Non-Diffused	2a

0805 / Top View

	599-11C0-147PTF	Non-Visible	2.0 x 1.3 x 0.8mm	940	400	1100	20 mA	Clear	2a
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1206 / Top View

	599-32C0-147PTF	Non-Visible	3.2 x 1.6 x 1.1mm	940	700	1100	20 mA	Tinted, Non-Diffused	2a
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1208 / Side View

	599-3QC0-147PTF	Non-Visible	3.0 x 2.0 x 1.0mm	940	700	1100	50 mA	Tinted, Non-Diffused	2a
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3528 PLCC-2 / Top View

	599-4FC0-137PTF	Non-Visible	3.50 x 2.80 x 1.85mm	940			20 mA	Clear	3
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Circuit Board Indicators

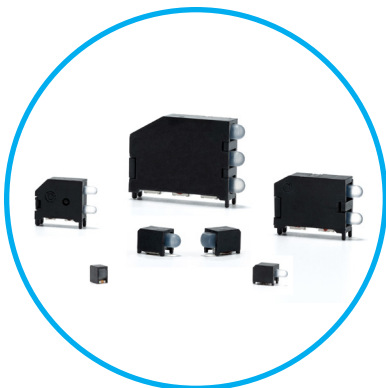


550, 551, 552, 553, 555, 561, 564, 566, 567, 568, 569, 570 AND 571 SERIES

CBI® Through Hole Discrete and housed LEDs

The widest variety of configurations including:

- Right angle, vertical and horizontal arrays in single, bi, tri and quad blocks
- 2mm, 3mm, 4mm, 5mm and rectangular LEDs
- Perfect for direct view or backlighting applications
- Single and bi-color, diffused, water-clear, tinted, super-bright and high efficiency
- Over 2500 variations, with custom LED placement available
- All visible colors of the spectrum available (from blue to red)



591, 592, 593, 594, 595 AND 596 SERIES

PRISM® Surface Mount LEDs Right Angle SMDs

- Fully SMD process compliant part (taped and reeled / pick and place / reflow oven compatible)
- 1.6mm, 2mm and 3mm LEDs
- Can withstand higher temp RoHS solder process and eliminates need for secondary optics or separate process
- Available in standard and low current versions
- Available with square or round lens
- Packaged in single, bi- and tri-level configurations



597, 598 AND 599 SERIES

microLED® Surface Mount LEDs

- Twenty plus different package sizes including: 0402, 0404, 0603, 0606, 0805, 1206, 1208, 1210, 1515, 2827, 3528, 4020, 5050, PLCC, Gullwing and 3735
- Single color, bi-color, tri-color in top, right angle, and reverse mount LED configurations
- Latest AlInGaP & InGaN technology
- Cost competitive pricing



515 SERIES

OPTOPIPE® Light Pipes for use with microLED® SMDs

- Light pipes act as a conduit for directing light from LED to front panel viewing
- For PCB and panel mount press-fit mounting
- Right angle and vertical versions available in more than 400 sizes and shapes
- Provides ESD protection, operating / storage temperature -30°C to +100°C
- Allows edge lighting around components such as SFP assemblies and RJ45 jacks
- UL 94V-0 Compliant

Panel Mount Indicators

585 AND 586

Based LED Bulbs

- Replaces traditional miniature incandescent bulbs with rugged long-lasting and energy-efficient LEDs
- Base styles including: T 1 3/4 Midget Flange, Wedge Base and Bi-Pin, T 3 1/4 Mini-Bayonet and Mini-Screw, T2 Telephone Slide and 15mm Bayonet
- Voltages from 6, 14 and 28 VDC, 6-36 VDC multi-voltage operation and 125 VAC with non-polarized versions available
- Colors include: red, green, yellow, blue and white while our 558, 559 and some 600 series use a snap-in plastic housing



249, 507, 556, 557, 558, 559, 605, 606, 607, 608, 609, 610, 612, 620, 621, 622, 623, 624, 625, 630, 653, 654, 655, 656 657, 658, 659, 675, 676, 677, 678, 679, 680 AND 682 SERIES

LED Panel Mount Indicators

Plastic and metal housings

- Incorporating the latest LED technology in a tamper-proof metal housing enclosures
- Variety of mounting hole diameters from 0.156" (3.9mm) - 1.18" (30 mm)
- Operating voltages 2-72 VDC, 125 and 230 VAC
- Some feature a water-tight seal to NEMA 4X / IP66/67 and daylight viewability
- Available in: red, green, yellow, orange, blue, cyan and white
- 556 and 656 series are UL certified
- RoHS compliant, some with 6C exemptions
- All metal and some plastic housing use lock washer and nut for secure mounting while our 558, 559 and some 600 series use a snap-in plastic housing



Military And Relampable Panel Mount Indicators

- Military - LH, LC and MS designations and QPL listed
- Incandescent or neon, designed to mount into 15/32C, 11/16" and 1" clearance holes
- Feature water-tight and oil-tight, edge lighting, press-to-test, and dimmable semi or total blackout
- Consult Dialight's Military Cross Reference for specific part number
- Commercial - Incandescent or neon indicators UL recognized designed to mount into 15/32", 11/16" and 1" clearance holes
- Lenses are available in flat, dome, torpedo and faceted

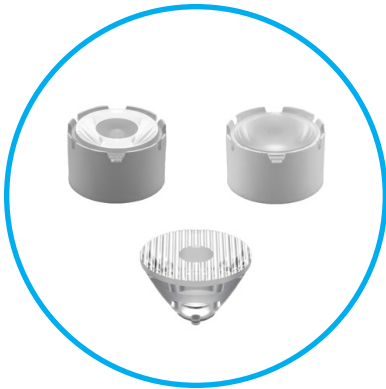


Optics

OPT SERIES

TIR Optics

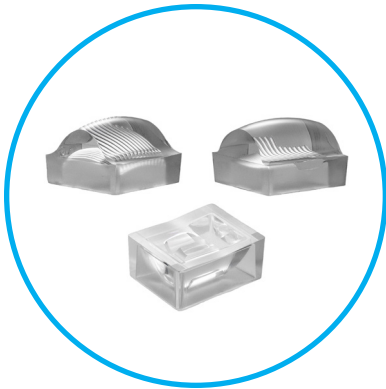
- High transmissivity
- UL rated optic material
- Optic only with tape or Optic pre-installed in housing with tape for mounting



OPT SERIES

Lens Optics

- High transmissivity
- UL rated optic material
- Lens includes locating pins for consistent alignment



OPT SERIES

Reflective Optics

- Only 11.5mm (0.453") maximum diameter
- Ideal for tightly spaced LED arrays
- Adhesive backing for easy installation. Adhesive rated from -40°C to +120°C (-40°F to +248°F)
- Automatic alignment feature
- Spot and wide versions available
- Universal version suites Cree XPC, XPE, XPG and standard Rebel LEDs



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