



Right Angle. Dual Chip. Sunlight Visible.

Edgelight/Backlight LED Illuminators



Features

- Dual-Chip, Wide-Angle, Low-Profile LEDs
- Solid-State, High Shock / Vibration Resistant
- IC Compatible
- LED Operating Life: 100,000+ Hours (10+ Years)
- Fast Turn On/Off Time (in Nanoseconds)
- Choice of 10 Sunlight-Visible Colors Plus Infrared
- Very Low Power Consumption
- Super Intensity
- Even Illumination Over a Wide Area
- New LED Chip Technology: InGaN, InGaAlP
- Three-Year Warranty

Applications

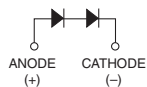
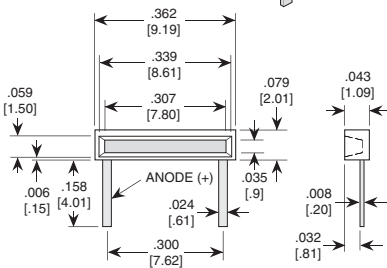
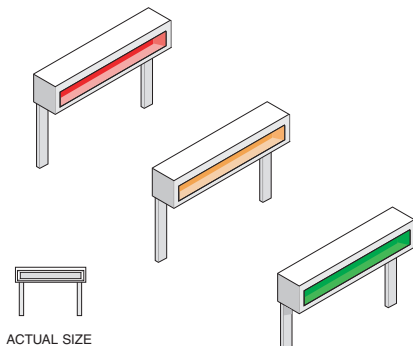
- Backlit/Edge-Lit LCDs
- Display Screen Illumination on Portable Handheld Devices
- Digital and VU Meter Readout Illumination
- Audio/Video Meter Face Illumination
- Cosmetic/Accent Lighting

Ultra Sunlight Visible

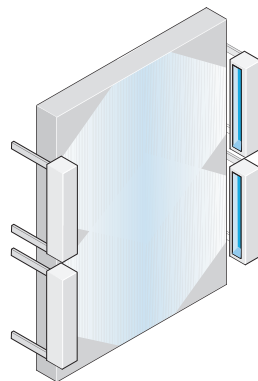
Part Number	Emitted Color	Epoxy Lens Type	Chip Material	Electrical-Optical Data ($I_f = 20\text{mA}$)				View Angle $2\theta_{1/2}$
				I_f (mA)	I_v (mcd) typ	V_f (V) typ/max	λ_p (nm)	
RAB362R3K	UL RED	Water-Clear	GaAlAs/GaAlAs	20	80	4.0/5.2	660	120°
RAB362E3K	SP RED	Water-Clear	GaAsP/GaP	20	140	4.4/5.2	630	120°
RAB362O3K	SP ORANGE	Water-Clear	InGaAlP	20	120	4.4/5.2	611	120°
RAB362Y3K	SP YELLOW	Water-Clear	InGaAlP	20	80	4.8/5.6	595	120°
RAB362G1K	SP GREEN	Water-Clear	InGaAlP	20	60	4.8/5.6	574	120°
RAB362AG3K	A. GREEN	Water-Clear	SiC/GaN	20	45	7.0/8.0	525	120°
RAB362B2K	SP BLUE	Water-Clear	SiC/GaN	20	40	7.0/8.0	470	120°

Standard Intensity

Part Number	Emitted Color	Epoxy Lens Type	Chip Material	Electrical-Optical Data ($I_f = 20\text{mA}$)				View Angle $2\theta_{1/2}$
				I_f (mA)	I_v (mcd) typ	V_f (V) typ/max	λ_p (nm)	
RAB362R6	UL RED	Water-Clear	GaAlAs/GaAlAs	25	76.0	3.4/4.0	660	120°
RAB362R3	HE RED	Water-Clear	GaAsP/GaP	25	12.5	4.2/6.0	635	120°
RAB362Y3	YELLOW	Water-Clear	GaAsP/GaP	25	10.0	4.2/6.0	585	120°
RAB362G3	HE GREEN	Water-Clear	GaP/GaP	25	11.0	4.2/6.0	567	120°



Typical Application



PDA's

