



# High Intensity Spacer Integrated One Piece Design

## 3mm SpacerLED Discrete LEDs



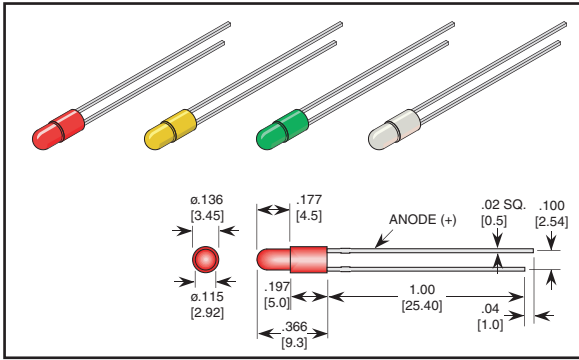
### Features

- One Piece LED Body Eliminates Need for Additional Spacer
- Major Cost Savings Over Traditional LED + Spacer
- High Intensity/Low Power Consumption
- LED Operating Life: 100,000+ hrs (10+ Years)
- Solid-State, High Shock/Vibration Resistant
- Fast Turn On/Off Time I.C. Compatible
- Available in Standard and Special Colors
- Diffused Lens Standard Clear Illuminator Optional
- Single Color or Bicolor Configurations
- Three-Year Warranty

### Applications

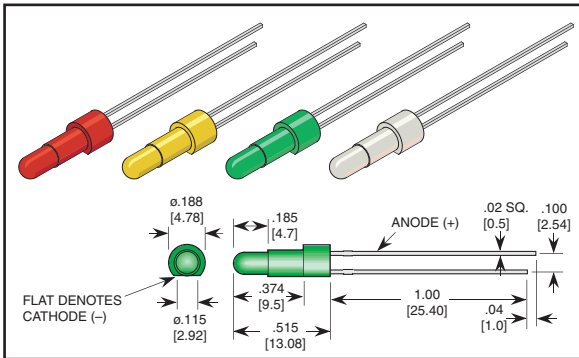
- Circuit Board Status/Logic Fault Indicator
- PCB Mounted Panel Indicator
- Networking and Telecom Indicators
- Backlighting Indicators
- Emergency Lighting Indicators

### 3mm x 9.30mm Long Diffused LEDs



Part Number	LED Color	Lens Type/Color	Electrical-Optical Characteristics (Ta = 25 C)				Viewing Angle 2θ <sub>1/2</sub>
			I <sub>f</sub> (mA) typ	I <sub>v</sub> (mcd) typ	V <sub>f</sub> (V) typ/max	λ <sub>p</sub> (nm)	
LL120TR5-366	RED	DIFFUSED	20	18	2.1/2.6	635	
LL120TY5-366	YELLOW	DIFFUSED	20	18	2.2/2.8	585	
LL120TG5-366	GREEN	DIFFUSED	20	18	2.2/2.8	568	
LL120TWYG4-366	YELLOW	MILKY WHITE	20	10	2.2/2.8	585	
	GREEN	WHITE	20	10	2.2/2.8	568	
LL120TWRG4-366	RED	MILKY WHITE	20	10	2.2/2.6	635	
	GREEN	WHITE	20	10	2.2/2.8	568	

### 3mm x 13.08mm Long Diffused LEDs



Part Number	LED Color	Lens Type/Color	Electrical-Optical Characteristics (Ta = 25 C)				Viewing Angle 2θ <sub>1/2</sub>
			I <sub>f</sub> (mA) typ	I <sub>v</sub> (mcd) typ	V <sub>f</sub> (V) typ/max	λ <sub>p</sub> (nm)	
LL120TR5-515	RED	DIFFUSED	20	18	2.1/2.6	635	
LL120TY5-515	YELLOW	DIFFUSED	20	18	2.2/2.8	585	
LL120TG5-515	GREEN	DIFFUSED	20	18	2.2/2.8	568	
LL120TWYG4-515	YELLOW	MILKY WHITE	20	10	2.2/2.8	585	
	GREEN	WHITE	20	10	2.2/2.8	568	
LL120TWRG4-515	RED	MILKY WHITE	20	10	2.2/2.6	635	
	GREEN	WHITE	20	10	2.2/2.8	568	

