

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V=28V		Viewing Angle
			Min.	Typ.	2θ1/2
BLB101SURC-E28V	HYPER RED (InGaAlP)	WATER CLEAR	480	930	20°

Note:

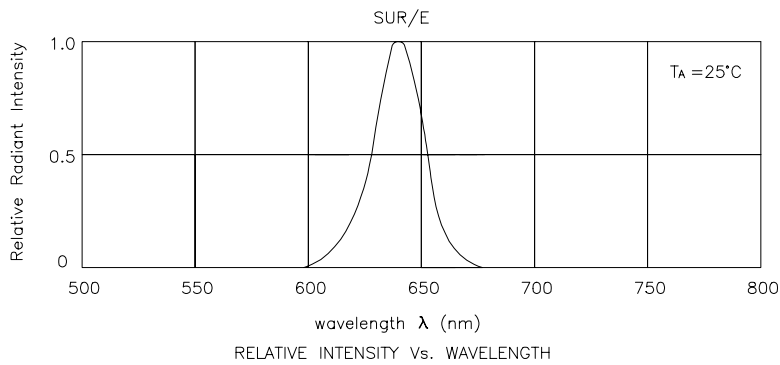
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Hyper Red	640		nm	V _F =28V
λ _D	Dominate Wavelength	Hyper Red	630		nm	V _F =28V
Δλ _{1/2}	Spectral Line Half-width	Hyper Red	25		nm	V _F =28V
I _F	Forward Current	Hyper Red	10.6		mA	V _F =28V
I _R	Reverse Current	Hyper Red		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

Parameter	Hyper Red	Units
Power dissipation for 28V	380	mW
DC Forward Voltage for 28V	32	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	



Hyper Red BLB101SURC/E28V

