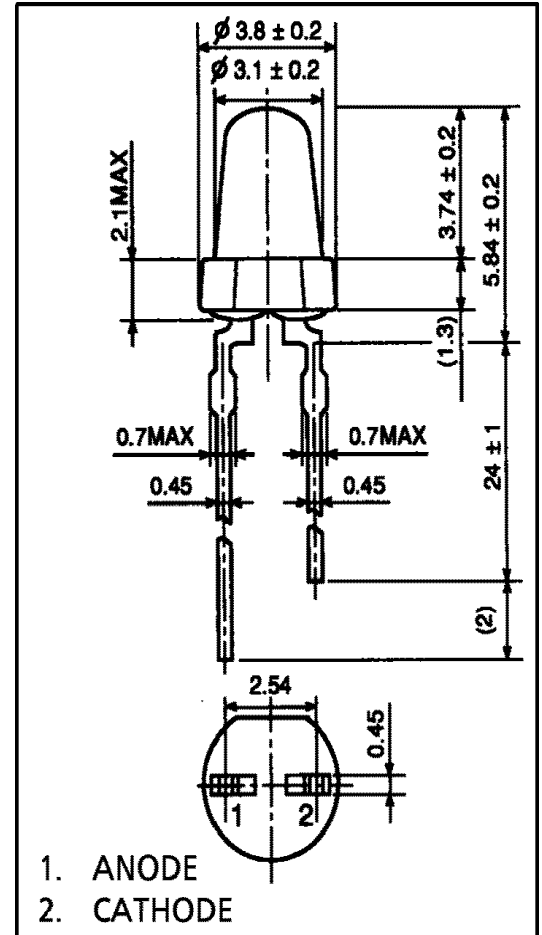


Features

3mm Package
All Plastic Mold Type
Fast Response Time, Capable of Pulse Operation
High Power Luminous Intensity
InGaAlP Technology
Water Clear Lens

Applications

Outdoor Message Signboard
Safety equipment



Series Line-Up

Part Number	Color	Material
TLOH160	Ultra Bright Orange	InGaAlP
TLRH160	Ultra Bright Red	InGaAlP
TLSH160	Ultra Bright High Efficiency Red	InGaAlP
TLYH160	Ultra Bright Yellow	InGaAlP

Maximum Ratings (Ta=25°C)

Part Number	Forward Current I _F	Reverse Voltage V _R	Power Dissipation P _D	Operating Temperature T _{opr}	Storage Temperature T _{stg}
TLOH160	50	4	125.00	-30 ~ 85	-40 ~ 120
TLRH160	50	4	125.00	-30 ~ 85	-40 ~ 120
TLSH160	50	4	125.00	-30 ~ 85	-40 ~ 120
TLYH160	50	4	125.00	-30 ~ 85	-40 ~ 120
Unit	mA	V	mW	°C	°C

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Costa Mesa, California 92626
Toll Free: 800.984.5337
Fax: 714.850.9314

Electrical and Optical Characteristics (Ta=25°C)

Part Number	PWL nm λ_P	Material	View Angle $2\theta_{1/2}$	Luminous Intensity I_v				Forward Voltage V_F				Rev Current I_R	
				min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@
TL0H160	612	InGaAlP	10°	850.00	2300.00	–	20mA	–	2.10	2.50	20mA	50	4V
TLRH160	644	InGaAlP	10°	850.00	1800.00	–	20mA	–	1.90	2.50	20mA	50	4V
TLSH160	623	InGaAlP	10°	2720.00	4500.00	–	20mA	–	2.10	2.50	20mA	50	4V
TLYH160	590	InGaAlP	10°	850.00	4300.00	–	20mA	–	2.10	2.50	20mA	50	4V
–	nm	–	deg	mcd				–	V		–	μA	–

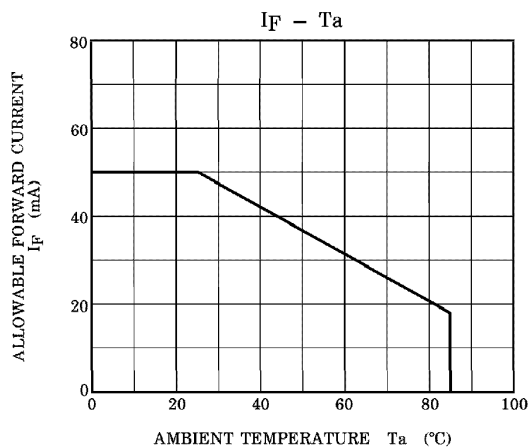
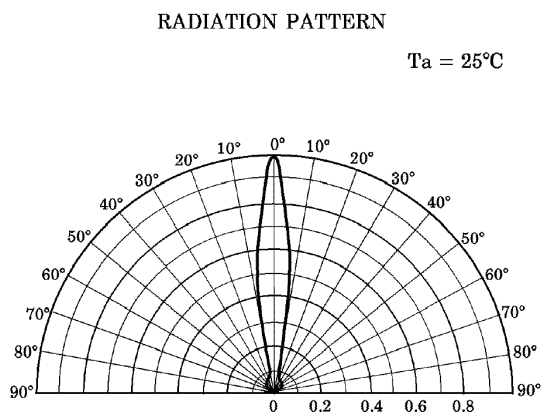
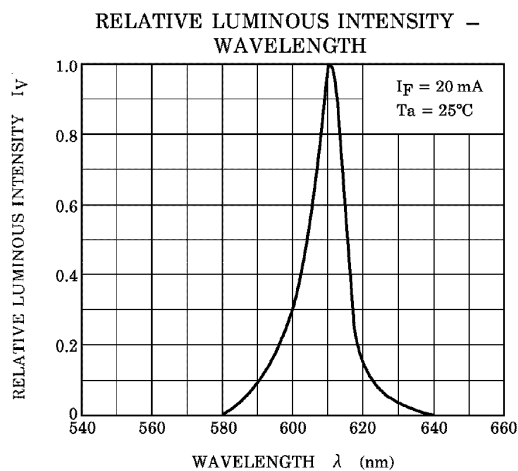
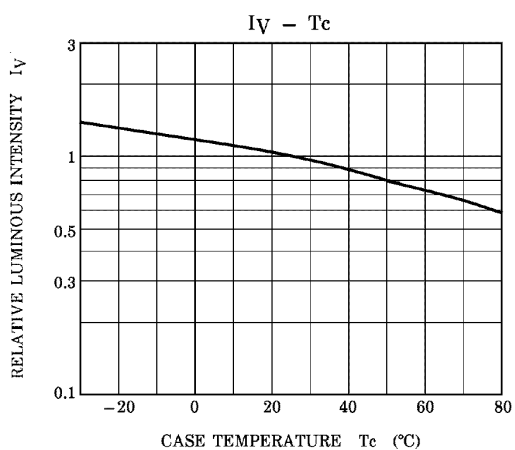
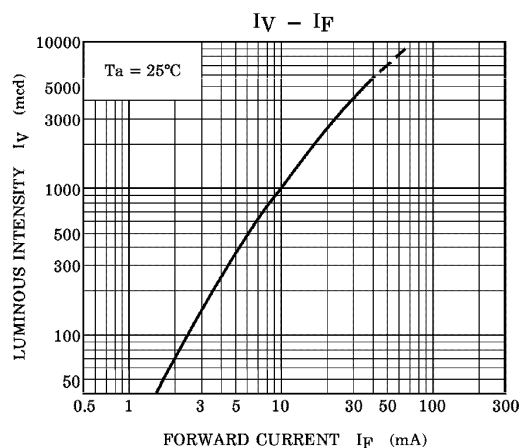
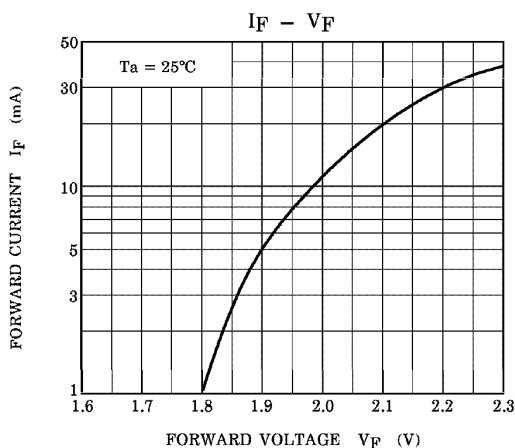
Precautions

- Soldering temperature: 260°C max, soldering time: 3 s max (soldering portion of lead: up to 2 mm from the body of the device).
- If the lead is formed, the lead should be formed up to 5 mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.
- This visible LED lamp also emits some IR light. If a photodetector is located near the LED lamp, please ensure that it will not be affected by this IR light.

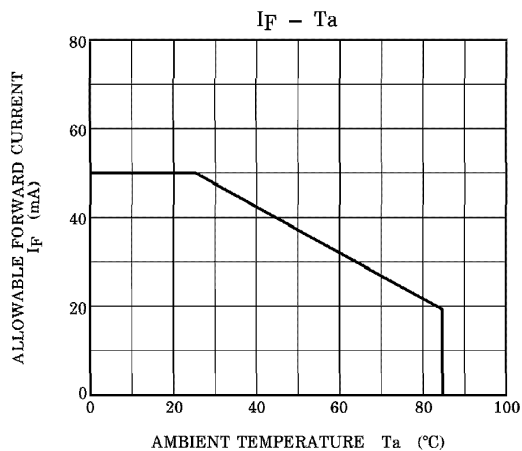
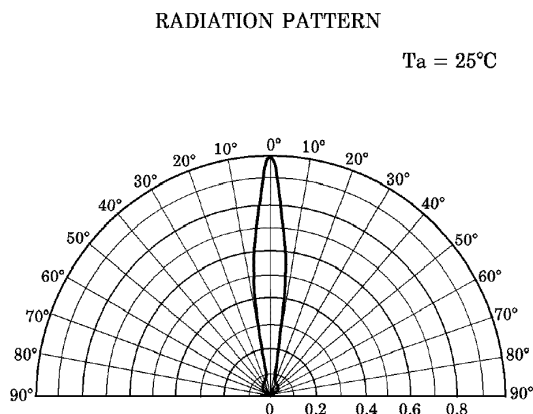
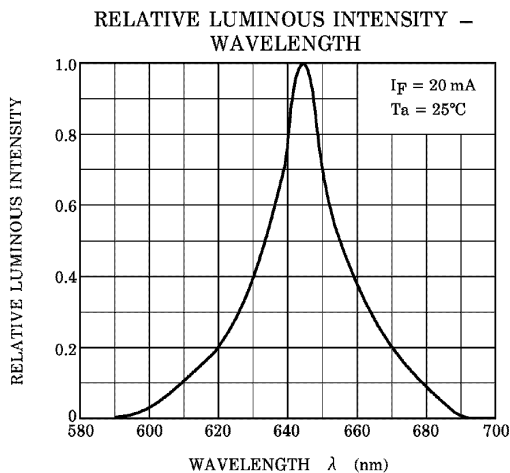
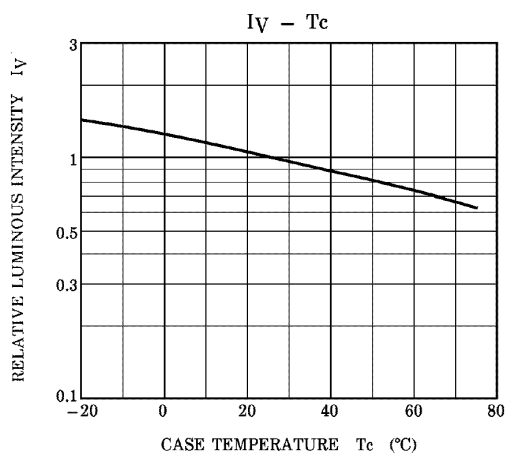
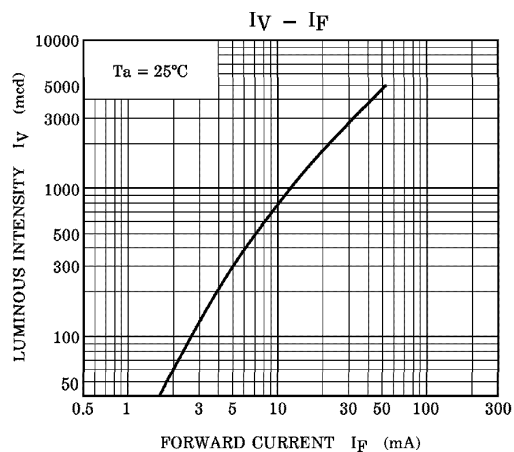
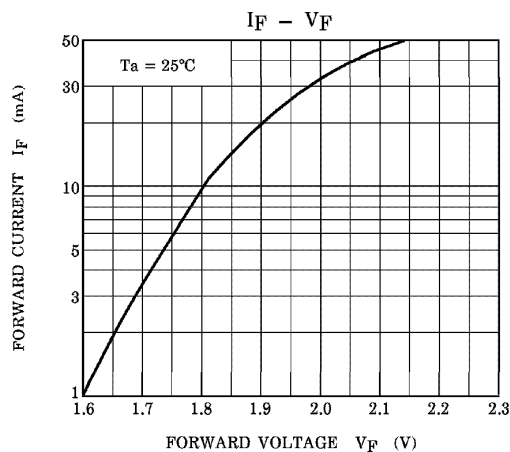
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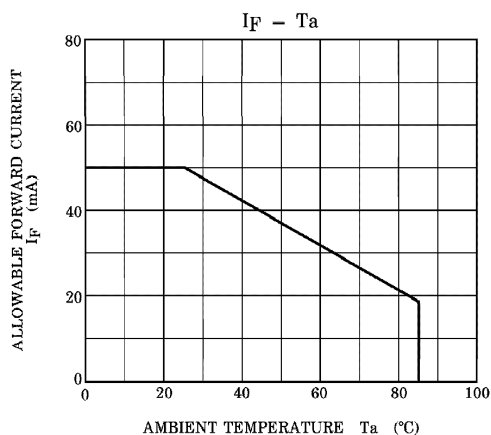
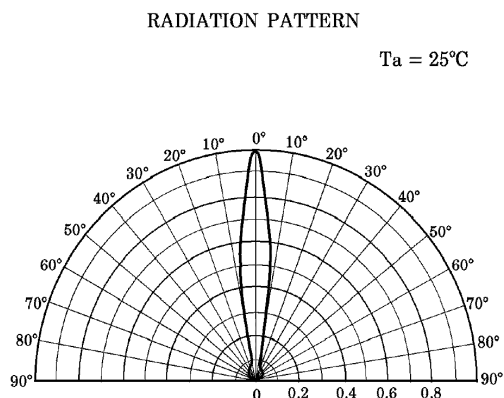
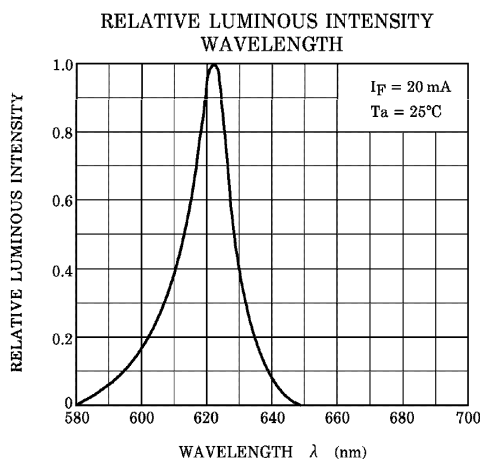
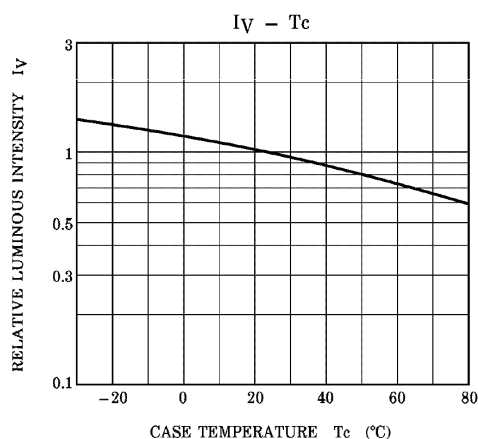
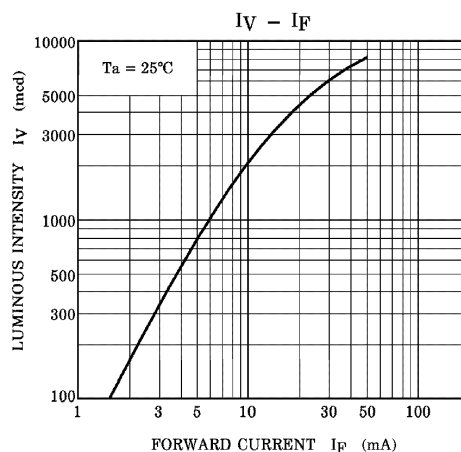
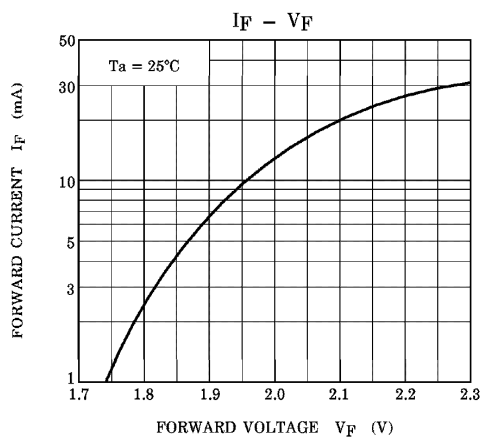
TLOH160 Graphs



TLRH160 Graphs



TLSH160 Graphs



TLYH160 Graphs

