

# **TOSHIBA**

### Features

5mm Package InGaAIP Technology All Plastic Mold Type Transparent Lens High Intensity Light Emission Excellent Low Current Light Output

# Applications

Backlight Safety Equipment Traffic Signals

Series Line-Up

OCTICS EITIC-OP									
Part Number	Color	Material							
TLOH16TP	Ultra Bright Orange	InGaAlP							
TLRMH16TP	Ultra Red	InGaAlP							
TLSH16TP	Ultra Bright High Efficency Red	InGaAlP							
TLYH16TP	Ultra Bright Yellow	InGaAlP							

Maximum Ratings (Ta=25°C)

Part Number	Forward Current IF	Reverse Voltage VR	Power Dissipation PD	Operating Temperature Topr	Storage Temperature T <sub>stg</sub>
TLOH16TP	50	4.00	120.00	<b>−40 ~100</b>	-40 ~ 120
TLRMH16TP	50	4.00	120.00	<b>−40 ~100</b>	-40 ~ 120
TLSH16TP	50	4.00	120.00	<b>−40 ~100</b>	-40 ~ 120
TLYH16TP	50	4.00	120.00	<b>−40 ~100</b>	-40 ~ 120
Unit	mA	V	mW	°C	°C

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# Toshiba TLxH16 Series LEDs

Electrical and Optical Characteristics (Ta=25°C)

Part Number	<b>PWL nm</b> λP	Material	View Angle	Luminous Intensity			Forward Voltage VF				Rev Current		
			<b>2θ</b> 1/2	min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@
TLOH16TP	612	InGaAIP	25°	850.00	2300.00	-	20mA	-	2.00	2.40	20mA	50	4V
TLRMH16TP	636	InGaAIP	25°	476.00	1500.00	-	20mA	-	1.90	2.40	20mA	50	4V
TLSH16TP	623	InGaAIP	25°	850.00	1900.00	-	20mA	-	2.00	2.40	20mA	50	4V
TLYH16TP	590	InGaAIP	25°	850.00	2200.00	-	20mA	-	2.00	2.40	20mA	50	4V
-	nm	-	deg		mcd		-		٧		-	μ <b>Α</b>	-

#### 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.

## NOTICE:

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**TLOH16TP Graphs** 







**TLRMH16TP Graphs** 



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**TOSHIBA** 

**TLSH16TP Graphs** 







**TLYH16TP Graphs** 

