

# High Efficiency LED, Ø 3 mm Tinted Undiffused Package

## Description

The TLH.42.. series was developed for standard applications like general indicating and lighting purposes.

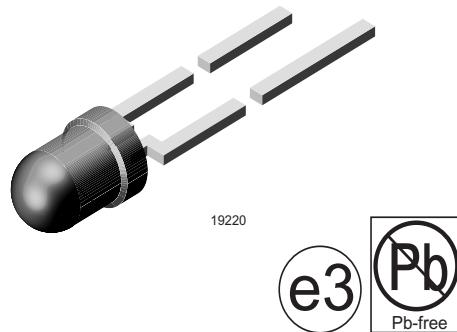
It is housed in a 3 mm tinted clear plastic package. The wide viewing angle of these devices provides a high on-off contrast.

Several selection types with different luminous intensities are offered. All LEDs are categorized in luminous intensity groups. The green and yellow LEDs are categorized additionally in wavelength groups.

That allows users to assemble LEDs with uniform appearance.

## Features

- Choice of five bright colors
- Standard T-1 package
- Small mechanical tolerances
- Suitable for DC and high peak current
- Wide viewing angle
- Luminous intensity categorized
- Yellow and green color categorized
- Lead-free device



## Applications

Status lights  
OFF / ON indicator  
Background illumination  
Readout lights  
Maintenance lights  
Legend light

## Parts Table

Part	Color, Luminous Intensity	Angle of Half Intensity ( $\pm\phi$ )	Technology
TLHR4200	Red, $I_V > 4$ mcd	22 °	GaAsP on GaP
TLHR4201	Red, $I_V > 6.3$ mcd	22 °	GaAsP on GaP
TLHR4205	Red, $I_V > 10$ mcd	22 °	GaAsP on GaP
TLHO4200	Soft orange, $I_V > 4$ mcd	22 °	GaAsP on GaP
TLHO4201	Soft orange, $I_V > 10$ mcd	22 °	GaAsP on GaP
TLHY4200	Yellow, $I_V > 4$ mcd	22 °	GaAsP on GaP
TLHY4201	Yellow, $I_V > 6.3$ mcd	22 °	GaAsP on GaP
TLHY4205	Yellow, $I_V > 10$ mcd	22 °	GaAsP on GaP
TLHG4200	Green, $I_V > 6.3$ mcd	22 °	GaP on GaP
TLHG4201	Green, $I_V > 10$ mcd	22 °	GaP on GaP
TLHG4205	Green, $I_V > 16$ mcd	22 °	GaP on GaP
TLHP4200	Pure green, $I_V > 2.5$ mcd	22 °	GaP on GaP
TLHP4201	Pure green, $I_V > 6.3$ mcd	22 °	GaP on GaP





**Package Dimensions in mm**
