DATA SHEET



4304H Series
5mm (T-1 3/4) Solid State LED Lamps

Through-hole LED with low power consumption. available in red, green, amber and yellow.

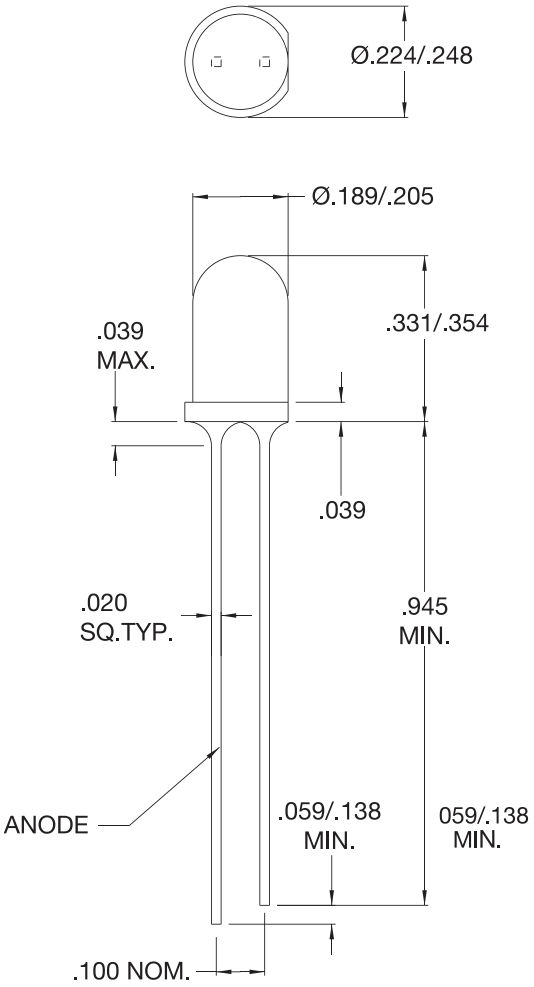
Applications

- Electronic Signs and Signals
- Small Area Illuminations
- Front Panel Indicator
- Electrical Panels
- Back Lighting
- Appliances

Key Features

- 5mm (T-1 3/4) LED
- Emitted color: red, green, amber and yellow
- Low power consumption
- Long life - solid state reliability
- RoHS and REACH Compliant

Product Dimensions



Note:

1. All dimensions are in inches

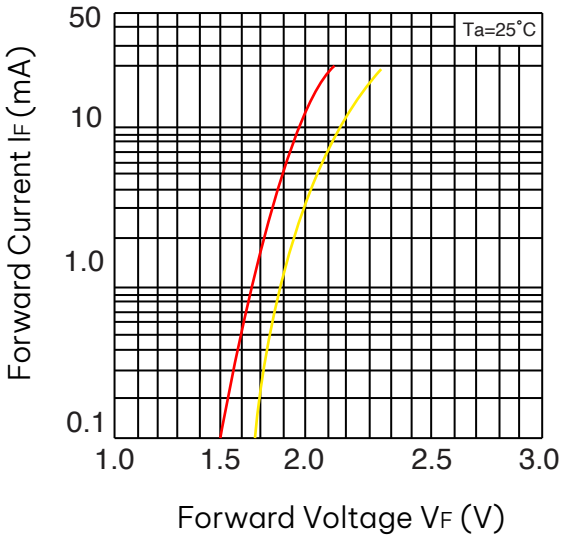
Product Specifications

Part number	4304H1	4304H3	4304H5	4304H7
Output Color	Red	Amber	Green	Yellow
Diffusion	Diffused	Diffused	Diffused	Diffused
Package Color	Red	Amber	Green	Yellow
Forward Current I_F (mA)	20	25	20	20
Forward Voltage Typ. V_F (V)	2.0	1.9	2.1	2.1
Luminous Intensity Min. (mcd)	3.6	24.8	30	5.6
Luminous Intensity Typ. (mcd)	10	-	45	16
Luminous Intensity Max. (mcd)	-	63.4	60	-
Dominant Wavelength (nm)	630	605	570	587
Viewing Angle 2Ø 1/2 (degrees)	40	60	45	40
Power Dissipation (mW)	60	135	60	60
Reverse Voltage (V)	3	5	5	3
Operating Temperature Topr (°C)	-20°C to +85°C	-40°C to +100°C	-30°C to +85°C	-20°C to +85°C
Storage Temperature Tstg (°C)	-30°C to +100°C	-40°C to +100°C	-40°C to +90°C	-30°C to +100°C

Product Specifications

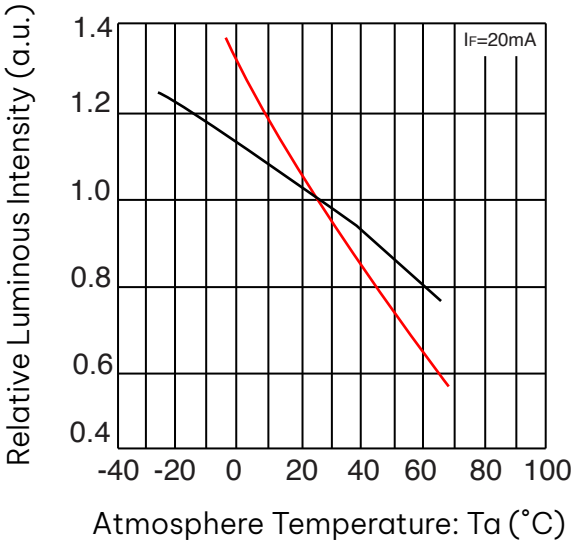
Electrical Characteristics Curves

Forward Current vs. Forward Voltage



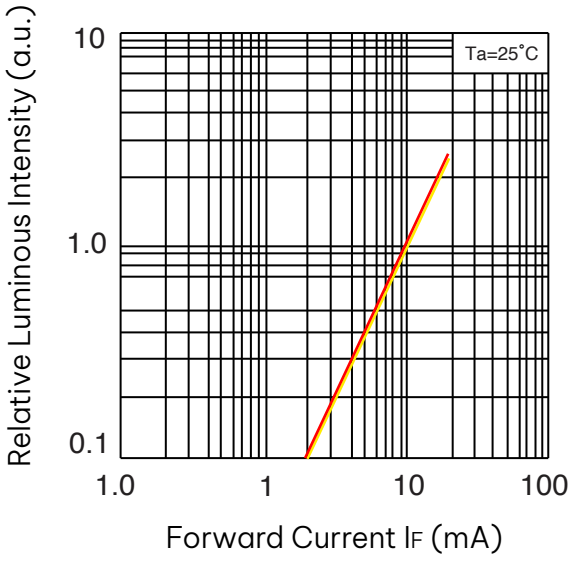
4304H1
4304H7

Luminous Intensity vs. Atmosphere Temperature



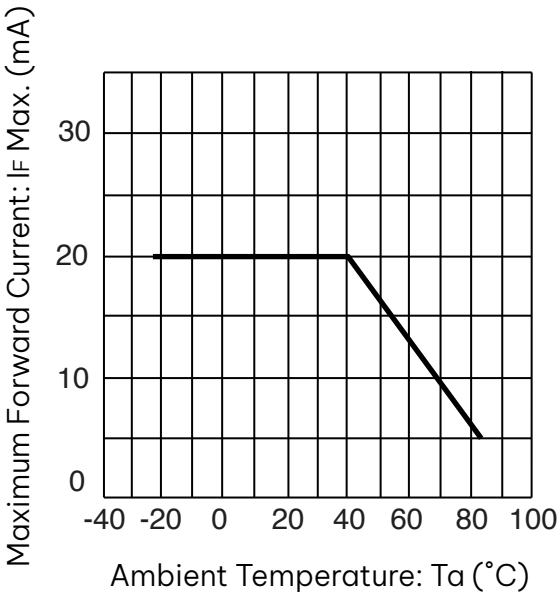
4304H1
4304H7

Luminous Intensity vs. Forward Current



4304H1
4304H7

Derating

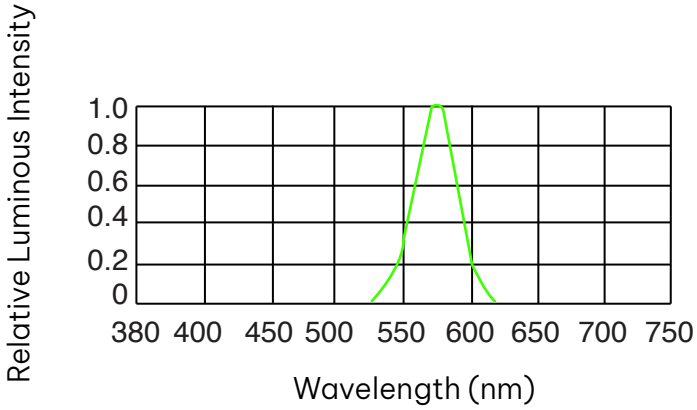


4304H1, 4304H7

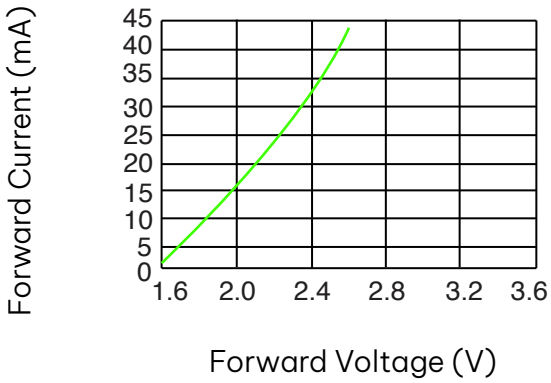
Product Specifications

Electrical Characteristics Curves

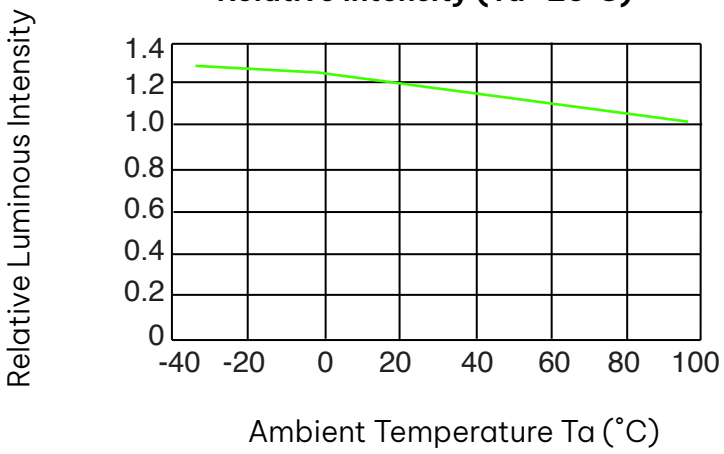
Relative Spectral Emission (Ta=25˚C)



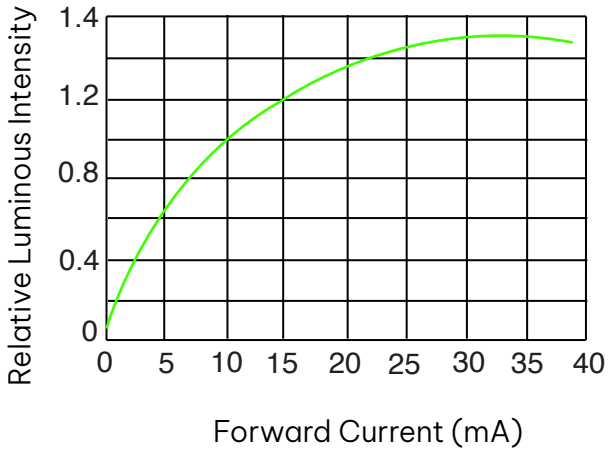
Forward Voltage vs. Forward Current (Ta=25˚C)



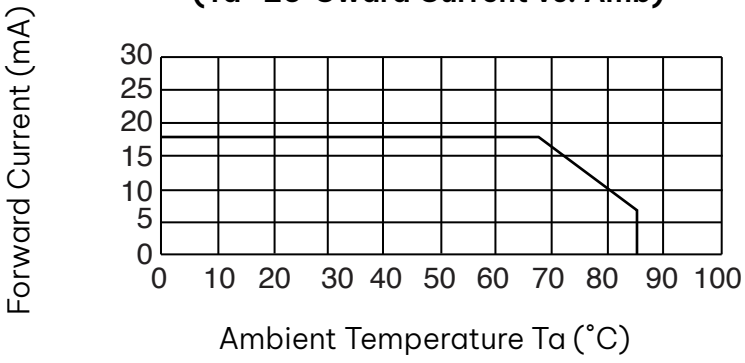
Ambient Temperature vs. Relative Intensity (Ta=25˚C)



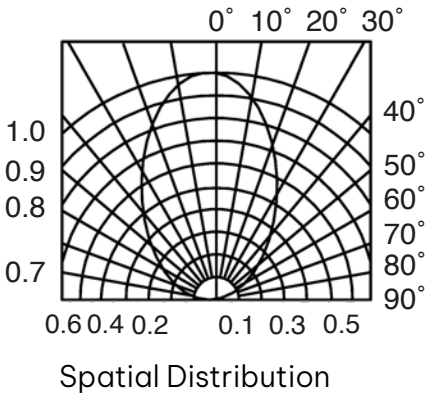
Forward Current vs. Relative Intensity (Ta=25˚C)



Maximum Forient Temperature (Ta=25˚Cward Current vs. Amb)



Radiation Curve



Product Specifications

Electrical Characteristics Curves (Only for 4304H3)

Figure 2: Forward Current vs. Forward Voltage Characteristics

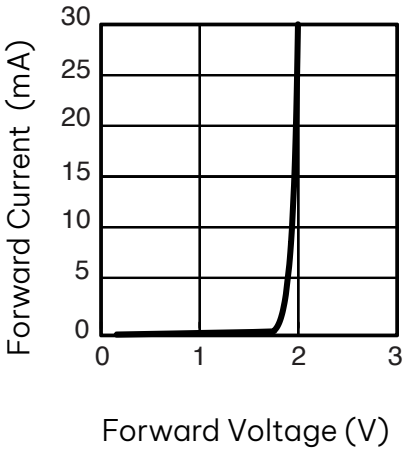


Figure 3: Relative luminous Intensity vs. DC Forward Current

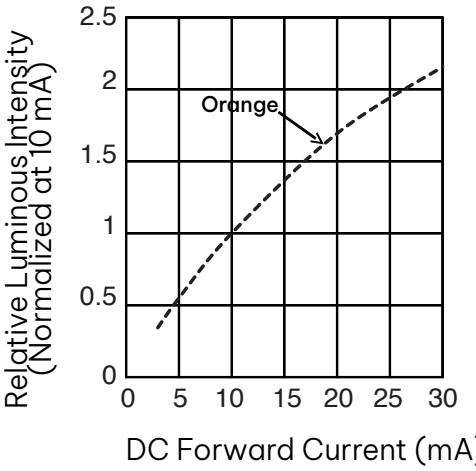


Figure 4: Maximum Tolerable Peak Current vs. Duration (IDC MAX as per MAX ratings)

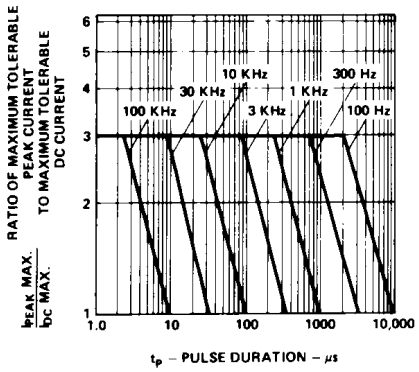
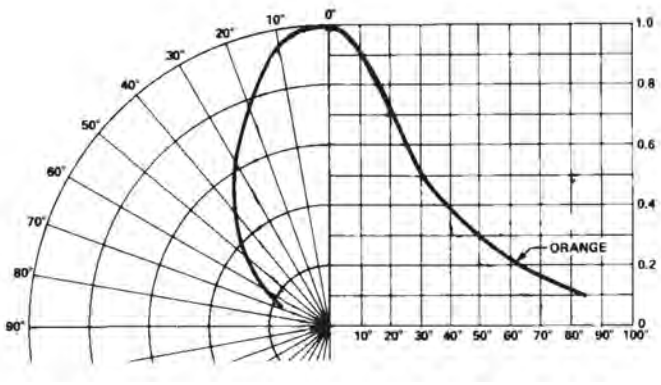


Figure 5: Relative Luminous Intensity vs. Angular Displacement



Compliance & approvals

REACH COMPLIANCE

RoHS COMPLIANT