

handbook of light emitting pdf

A light-emitting diode (LED) is a two-lead semiconductor light source. It is a p-n junction diode that emits light when activated. When a suitable current is applied to the leads, electrons are able to recombine with electron holes within the device, releasing energy in the form of photons. This effect is called electroluminescence, and the color of the light (corresponding to the energy of ...

Light-emitting diode - Wikipedia

An organic light-emitting diode (OLED) is a light-emitting diode (LED) in which the emissive electroluminescent layer is a film of organic compound that emits light in response to an electric current. This organic layer is situated between two electrodes; typically, at least one of these electrodes is transparent. OLEDs are used to create digital displays in devices such as television screens ...

OLED - Wikipedia

μ is the carrier mobility, D the diffusion coefficient, d the device thickness, N_C the density of states in the conduction band, E_C the conduction band energy and E_F the position of the quasi-Fermi level. n and $n_{t,j}$ denote the spatially varying free and trapped electron concentration in the j th set of traps with energy $E_{t,j}$ and degeneracy g_j (in most cases $g_j = 1$), respectively, and n_0 ...

Device physics of organic light-emitting diodes based on

L_{Object} = Luminance of the object. $L_{Background}$ = Luminance of the background. If we use the luminance values shown in the upper portion of the figure we can calculate that the lower portion of the cylinder, where the roadway is the background, has a contrast of $(1-22)/22 = -0.95$, with the negative value denoting that it is negative contrast.

FHWA Lighting Handbook August 2012 - Safety | Federal

BASSWOOD VARIATIONS DESCRIPTION USES MANUFACTURE NOTABLE INGREDIENTS DISPOSAL SAFETY NOTES Sheets, Rods, Dowels, Structural Shapes Pale, smooth, fine grained wood.

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