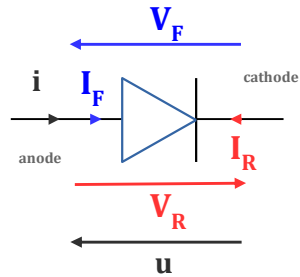


DIODE



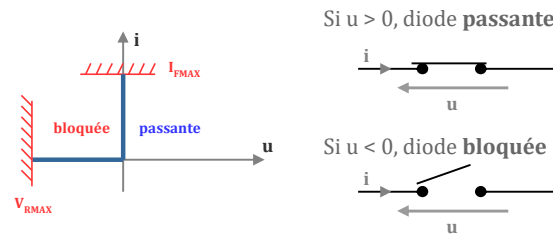
I_F : **courant direct**
souvent $I_F < I_{FMAX}$

V_F : **tension directe**
aussi appelée seuil

I_R : **courant inverse**

V_R : **tension inverse**
souvent $V_R < V_{RMAX}$

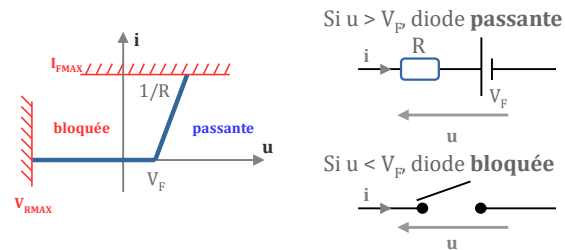
MODÈLE IDÉAL



Si $u > 0$, diode **passante**

Si $u < 0$, diode **bloquée**

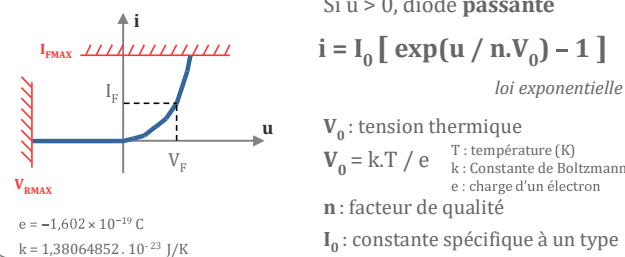
MODÈLE SIMPLE



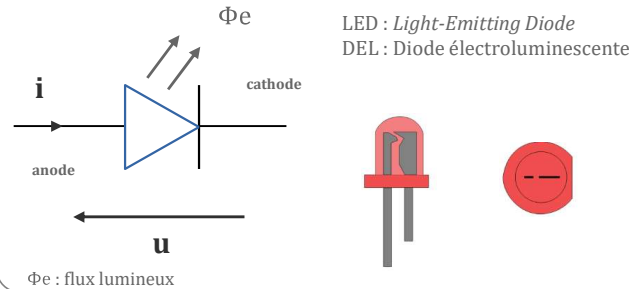
Si $u > V_F$, diode **passante**

Si $u < V_F$, diode **bloquée**

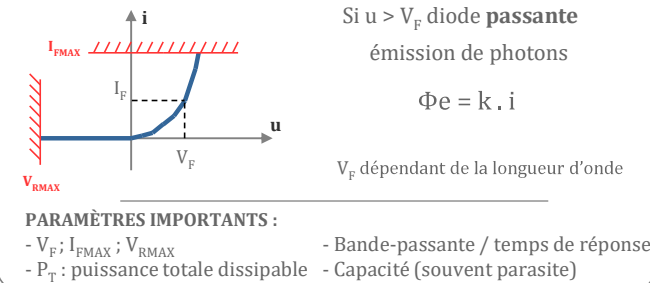
MODÈLE COMPLET



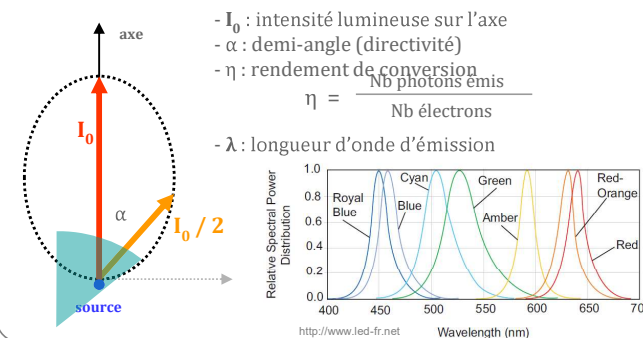
LED



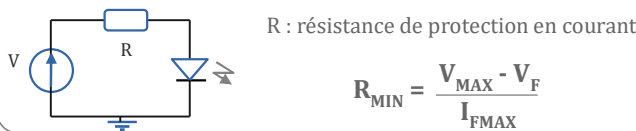
CARACTÉRISTIQUES ÉLECTRIQUES



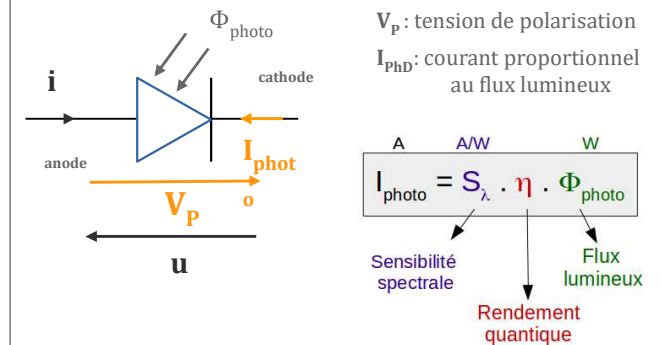
CARACTÉRISTIQUES OPTIQUES



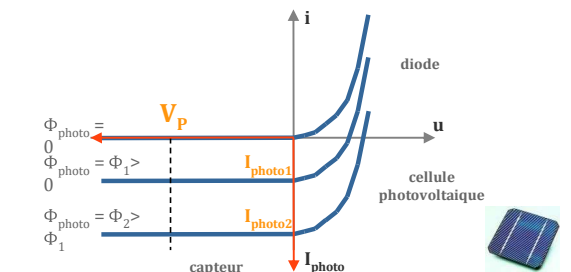
EN PRATIQUE



PHOTODIODE



CARACTÉRISTIQUES ÉLECTRIQUES



EN PRATIQUE

