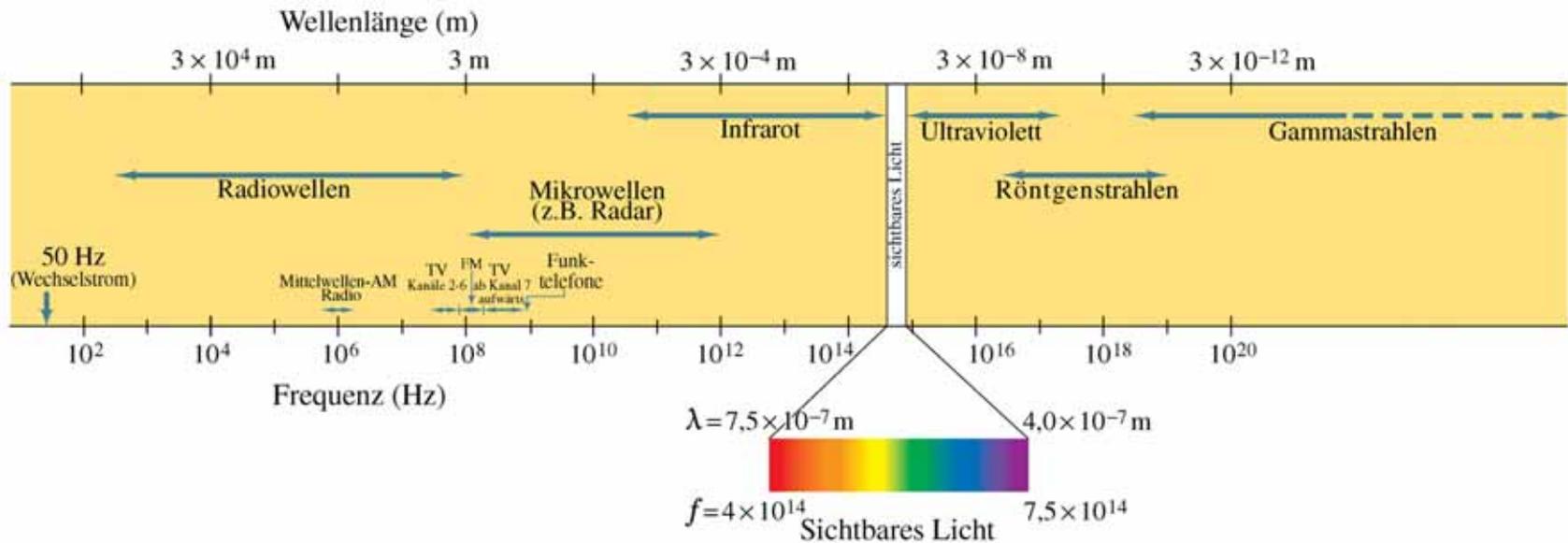
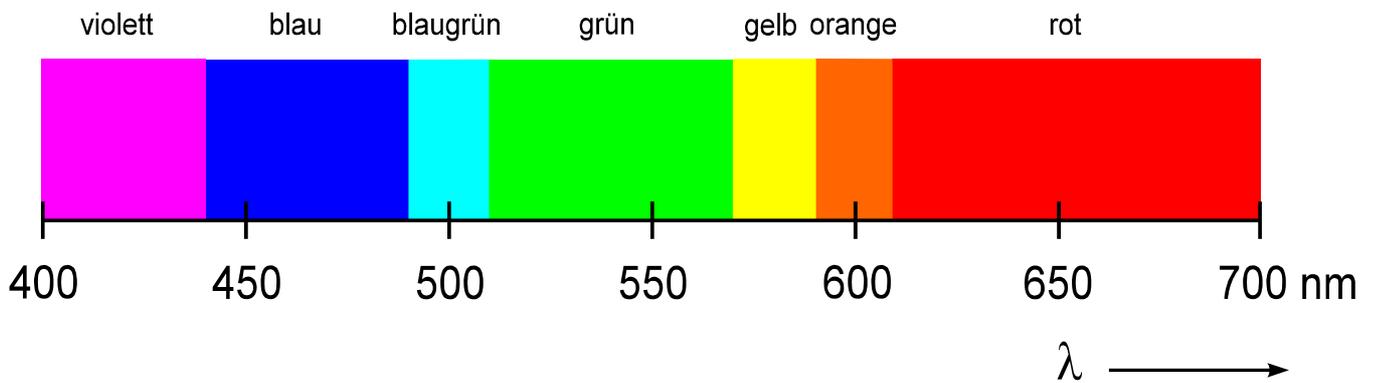


Elektromagnetisches Spektrum



Spektralfarben



violette Spektralfarben : 400 ... 440 nm

blaue Spektralfarben : 440 ... 490 nm

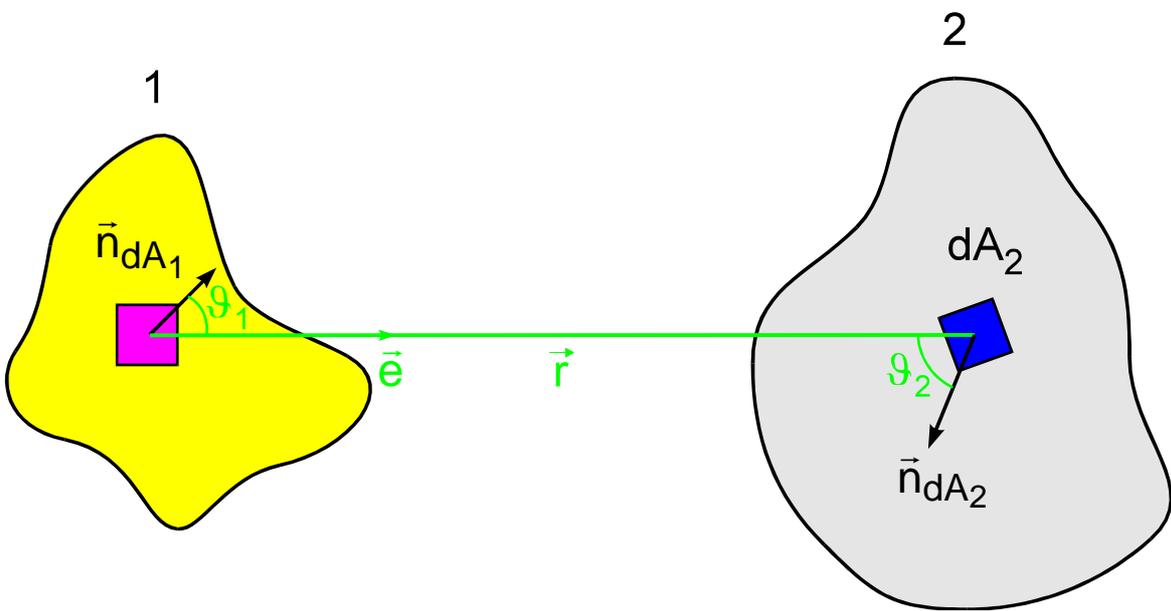
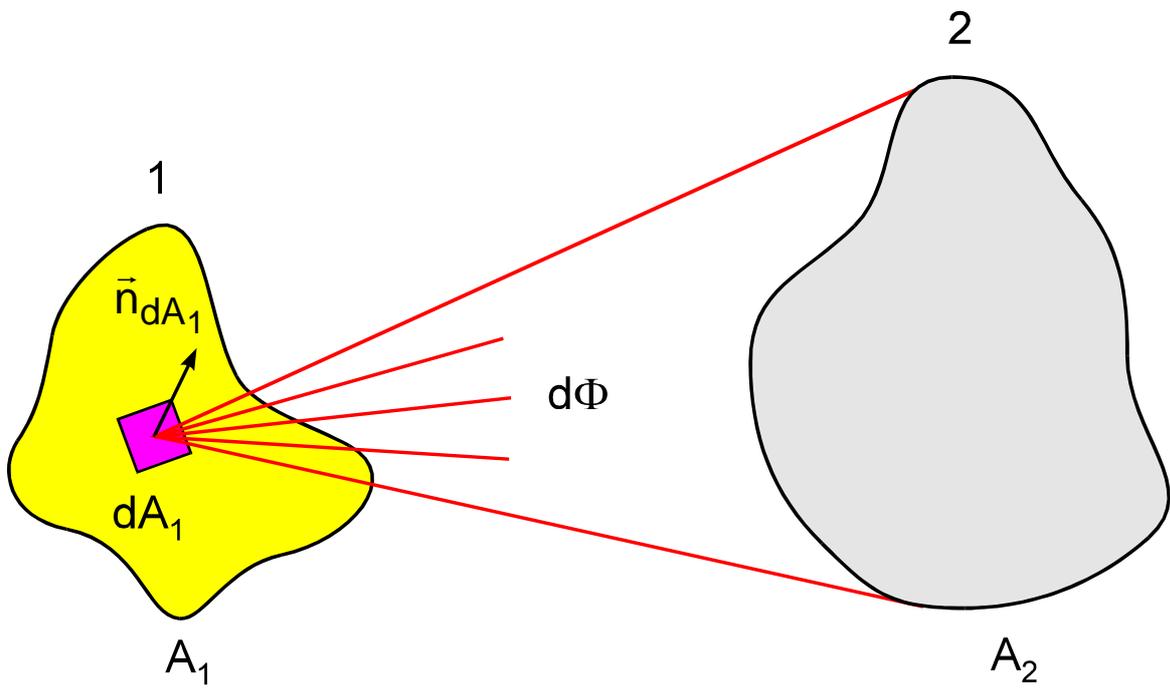
blaugrüne Spektralfarben : 490 ... 510 nm

grüne Spektralfarben : 510 ... 570 nm

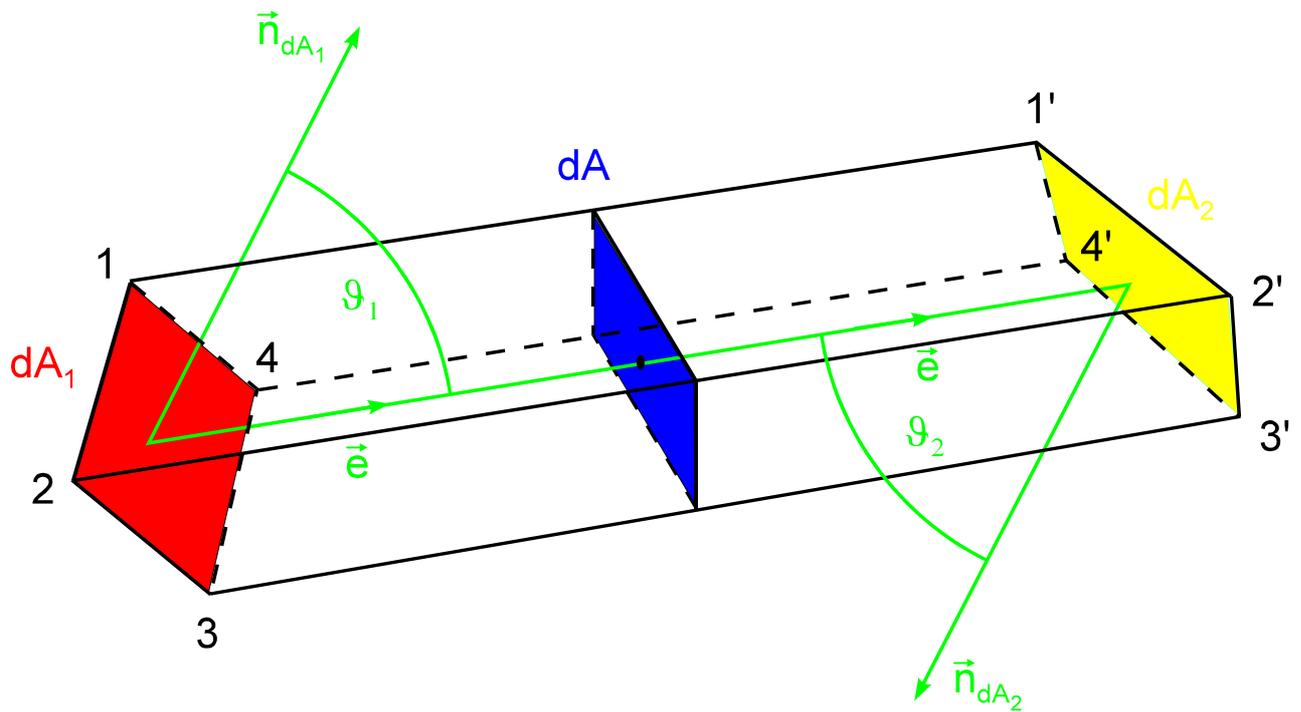
gelbe Spektralfarben : 570 ... 590 nm

orangefarbene Spektralfarben : 590 ... 610 nm

rote Spektralfarben : 610 ... 700 nm



Elementarlichtröhre



$$dA = dA_1 \cdot \cos \vartheta_1 = dA_2 \cdot \cos \vartheta_2$$

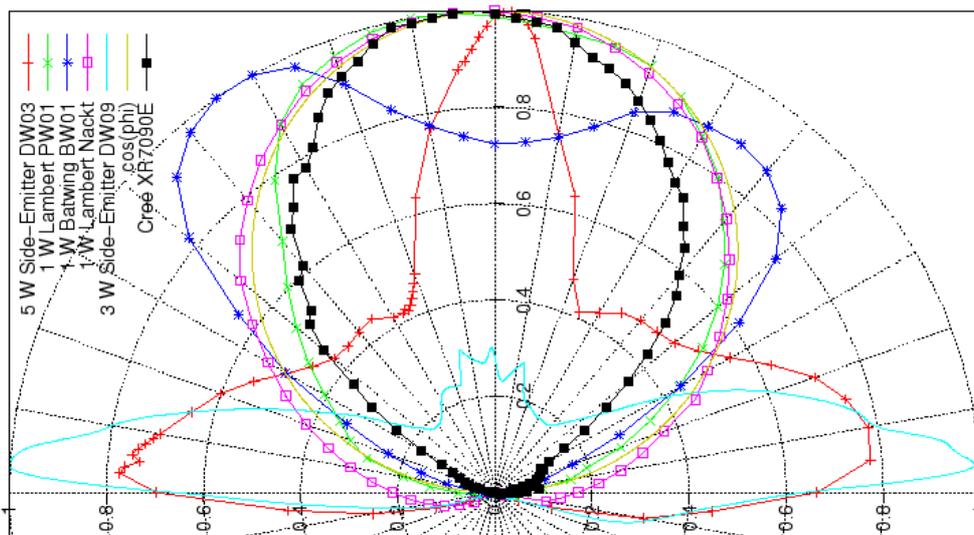
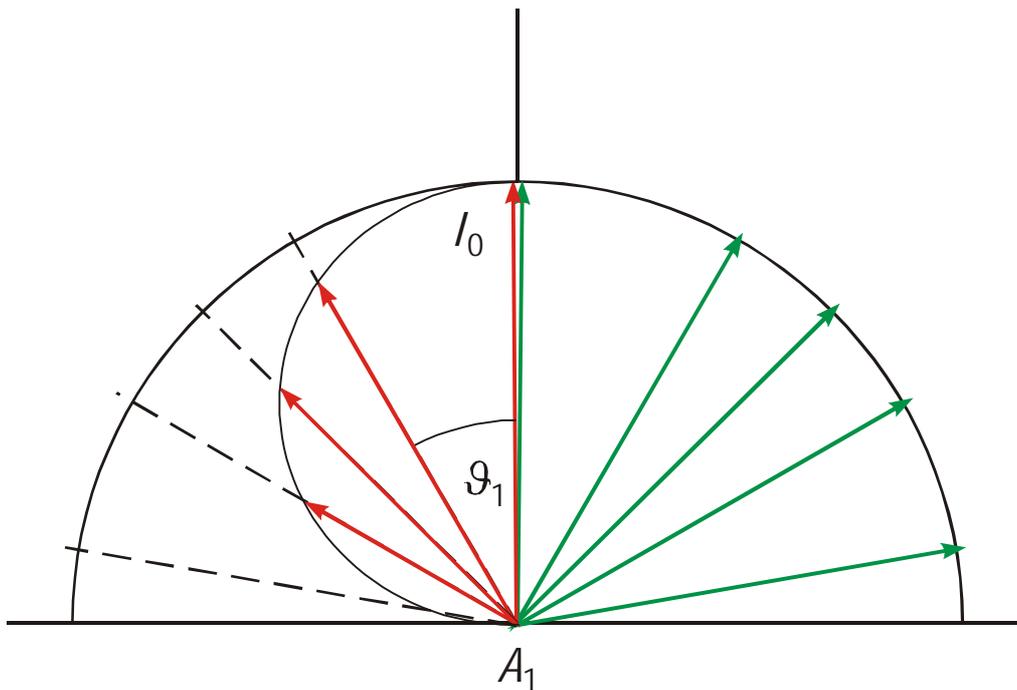
Lambertstrahler

Strahlstärke

$$I = I_0 \cdot \cos \vartheta_1$$

Strahldichte

$$L = \frac{I}{A_1 \cdot \cos \vartheta_1}$$



Abstrahlverhalten von LED's, Quelle Olaf Schultze, Hamburg-Harburg
<http://www.enhydralutris.de/Fahrrad/Beleuchtung/node140.html>