



V-Lambda (Luminosity) radiation sensor type 4.15

V-Lambda radiation

Luminosity (V-Lambda) covers the spectral range of visible light, it corresponds to the sensitivity of the human eye. The measured value is allowing clues about the perceived brightness of light.

Spectral range stretches from the end of ultraviolet (400nm) to the beginning of infrared (720). Maximum sensitivity is reached around 555nm.

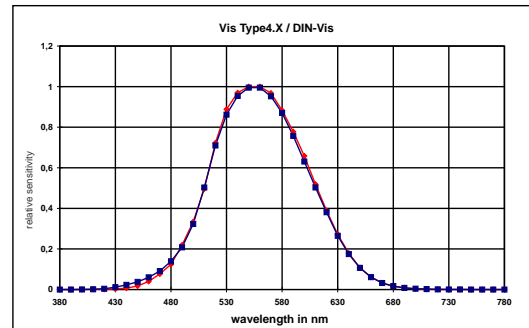
Detected exposure rates can easily be converted into Illuminance in Lux.

Measurements in this range do have a great significance for illumination projects and workplace design, for example.

Luminosity measuring head type 4.15

V-Lambda sensors are used in medical research, agricultura, automotive industry and measurement of artificial light. Spectral sensitivity of the sensor closely resembles the one of the human eye.

The measuring head type 4.15 features a weatherproof aluminum housing suitable for indoor use. The results are cosine corrected.

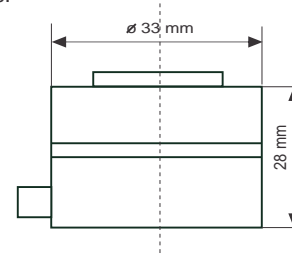


Technical specifications

measuring range Vis	0 - ca. 170 kLux or other
spectr. sensitivity Vis	380-720 nm
max. of spectr. sensitivity	555 nm
sensor system	Si interf. filter
working temperature	-20°C - +60°C -4 - +140°F
signal output	0V - 2V or otr. (negotiable)
power	+5V - +15V / <750µA
turn on time	< 1 s
turn off time	< 1 s
Installation	2 screws M4 in the bottom
connector	sideward
window/diffusor	PTFE
direction char.of rad.	error f2 < 3%
linearity	< 1%
absolute error	< 10%
weight	50g 2 oz

Specifications are subject to change without prior notice.

Dimensions:



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