方全有限公司
Rapitech Enterprise Co.,Ltd.

光偵測頭
Light Detector

InternationalLight TECHNOLOGIES

光度測量
Photometry Light Measurement

Unique human visual perception presents challenges in light measurement

Specifications

Application	Common Sources	Spectral Range	Product Options	Measurement Range	Units
Illuminance	Office/home lights	250-1050 nm	ILT950 SPECTRORADIOMETER	Customized spectrum	$W/m^2/nm$
	Lamp manufacturer	400-700 nm	IL1700, SED033/Y/W	$1.20e^{-3}$ to $1.20e^{+6}$	lux
	LED's	400-700 nm	IL1700, SCD110	$3.33e^{-3}$ to $3.33e^{+6}$	lux
	Flourescents	400-700 nm	IL1400, SEL033/Y/W	$5.98e^{-2}$ to $2.09e^{+5}$	lux
	Halogen	400-700 nm	IL1400, SCL110	$1.67e^{-1}$ to $5.83e^{+5}$	lux
Luminance	Displays	400-700 nm	IL1700, SED033/Y/R	$1.16e^{-2}$ to $1.16e^{+7}$	cd/m^2
	LED's	400-700 nm	IL1400, SEL033/Y/R	$5.78e^{-1}$ to $2.02e^{+6}$	cd/m^2
	Signs	400-700 nm	IL1700, SPD025Y	$1.33e^{-2}$ to $1.33e^{+7}$	cd/m^2
		400-700 nm	IL1400, SPL025Y	$6.67e^{-1}$ to $2.33e^{+6}$	cd/m^2
		400-700 nm	IL1700, SED033/Y/P9/PIN	$5.00e^{-1}$ to $5.00\ e^{+8}$	cd/m^2
		400-700 nm	IL1400, SEL033/Y/P9/PIN	$2.50e^{+1}$ to $8.75\ e^{+7}$	cd/m^2
Photomultiplier-based for very low light levels	Moonlight	400-700 nm	IL1700, SPM068-1/YPM/ QNDS3/W	$8.70e^{-5}$ to $8.70e^{+2}$ (HIGH)	lux
Illuminance and Luminance	Emergency lights	400-700 nm	IL1700, SPM068-1/YPM/ QNDS3/R	$8.07e^{-4}$ to $8.07e^{+3}$ (HIGH)	cd/m^2
Photopic	Phosphorescence	400-700 nm	IL1700, SPM068-1/ZPM/ QNDS3/W	$8.06e^{-5}$ to $8.06e^{+2}$ (HIGH)	lux
Scotopic		400-700 nm	IL1700, SPM068-1/ZPM/ QNDS3/R	$1.30e^{-3}$ to $1.30e^{+4}$ (HIGH)	cd/m^2
Flash photometry	Warning lights	400-700 nm	IL1700, SED033/Y/L30 (> 25 ') Flash/Steady	$1.39e^{-5}$ to $1.39e^{+4}$ lux	lux & cd
Luminous intensity (Beam Candela)	Runway lights	400-700 nm	IL1400, SEL033/Y/L30 (> 25 ') Steady only	$6.94e^{-4}$ to $2.43e^{+3}$ lux	lux & cd
		400-700 nm	IL1700, SED033/Y/H (< 25 ') Flash/Steady	$2.02e^{-4}$ to $2.02e^{+5}$ lux	lux & cd
		400-700 nm	IL1400, SEL033/Y/H (< 25 ') Steady only	$1.01e^{-2}$ to $3.54e^{+4}$ lux	lux & cd
Scotopic	Signs	400-700 nm	IL1700, SED033/ZCIE/W	$3.33e^{-3}$ to $3.33e^{+6}$	lux
Luminance	Displays	400-700 nm	IL1400, SEL033/ZCIE/W	$1.67e^{-1}$ to $5.83e^{+5}$	lux
Illuminance	LED's	400-700 nm	IL1700, SED033/ZCIE/R	$4.45e^{-2}$ to $4.45e^{+7}$	cd/m^2<
		400-700 nm	IL1400, SEL033/ZCIE/R	$2.33e^{+0}$ to $8.14e^{+6}$	cd/m^2

* All Radiometers / Photometers / Spectroradiometers are NIST Traceable.

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