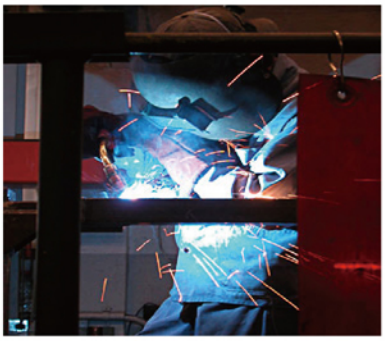
光偵測頭
Light Detector

InternationalLight TECHNOLOGIES



光輻射危害
Optical Radiation Hazard

Sources emitting optical radiation are of paramount concern to hygienists, safety engineers, and public health officials, both from their beneficial effects and their potential as a hazard to health and safety.

Specifications

Application	Common Sources	Hazard Spectral Range	Product Options	Measurement Range	Units
Unprotected skin and	Welding	180-400 nm	IL1700, SED240/ACT5/W	$5.00e^{-9}$ to $2.50e^{-3}$	eff W/cm²
Eye hazard	Office light, copier		IL1400, SEL240/T2ACT5	$1.49e^{-7}$ to $1.49e^{-3}$	eff W/cm²
	Solar simulator				
Extreme sensitivity	Emmiting any	250-400 nm	IL1700, SED005/WBS320/W	$2.33e^{-9}$ to $2.33e^{+0}$	W/cm²
To any light source	UV light		IL1400, SEL005/WBS320/TD	$1.82e^{-7}$ to $6.36e^{-1}$	W/cm²
Blue "eye" hazard	LED'S				
Retinal	Solar light	305-700 nm	IL1700, SED033/ SCS395/TBLU/TD	$7.41e^{-10}$ to $7.41e^{-1}$	W/cm²
Photochemical	High powered VIS		IL1700, SED033/ SCS395/TBLU/R	$5.56e^{-9}$ to $5.56e^{+0}$	W/cm²/sr
Protection	Manufacturing		IL1400, SEL033/ SCS395/TBLU/TD	$3.70e^{-8}$ to $1.30e^{-1}$	W/cm²
	Lasers		IL1400, SEL033/ SCS395/TBLU/R	$2.78e^{-7}$ to $9.72e^{-1}$	W/cm²/sr
Cataract surgery hazard	Solar light				
	Lasers				
	Welding				
IR-A near IR	IR heat sources				
Retinal protection	Manufacturing	770-1400 nm	IL1700, SED007/W	$7.14e^{-11}$ to $7.14e^{-2}$	W/cm²
protocol	Lasers		IL1400, SEL007/W	$3.57e^{-9}$ to $1.25e^{-2}$	W/cm²
IR hazard	IR heat sources				
	Manufacturing	770-3000 nm	IL1700, SED623/SCS695/W	$8.57e^{-5}$ to $9.52e^{-1}$	W/cm²
Cornea thermal injury	Lasers		IL1400, SEL623/ SCS695/W	$8.57e^{-5}$ to $4.14e^{-1}$	W/cm²

方全有限公司
Rapitech Enterprise Co.,Ltd.
244 新北市林口區仁愛路二段309號10樓
Tel：886-2-2608-8096（台北）/ Tel：86-21-6248-3333（上海）/ Fax：886-2-2608-8092
E-mail：sales@rapi-tech.com.tw www.rapi-tech.com