Photochemistry Spot module (PS) family

- Single wavelength and multicolor (4 wavelengths per product)
- Dimming 10 till 100% in steps of 10%
- 265 to 1050 nm
- Optical output up to 100 W
- Different window shapes (rectangular and round)
- CE certified

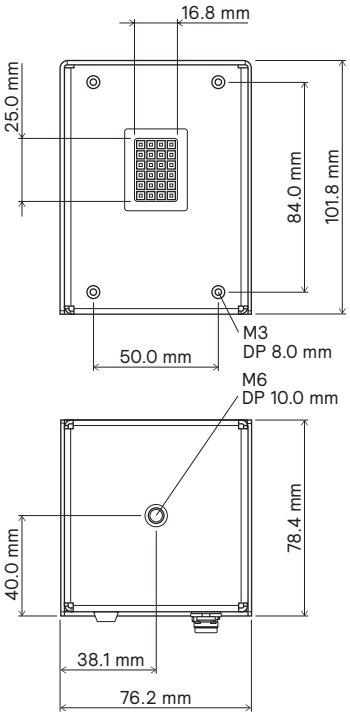
Overview spot range colors and powers

		Rectangular spot		30 mm circular spot		50 mm circular spot		Multicolor spot	
Colors	Peak wavelength	Electrical input (W)	Typical* optical output (W)	Electrical input (W)	Typical* optical output (W)	Electrical input (W)	Typical* optical output (W)	Electrical input (W)	Typical* optical output (W)
UVC/B	265	48	1.7						
	280	45	1.7						
	308	40	1.6						
	330	40	1.6						
UVA/ blue	365	76	21	86	25	213	67	51	15
	395	65	25	74	30	216	90	43	17
	405	61	24	70	38	204	85		
	420	70	26	80	31	235	93	47	18
	450	58	30	66	34	193	103	39	20
Visible	470	59	26	68	30	199	90		
	525	56	8	63	9	187	28		
	550	61	12	70	14	205	43		
	610	59	13	68	15	198	46		
	635	47	16	53	19	157	56		
	660	39	23	44	27	141	80		
	White 740	57	21	65	24	190	73		
NIR	740	40	11	45	13				
	750	44	11	50	13				
	810	37	9	42	10				
	850	34	10	39	12				
	910	34	11	39	13				
	940	32	8	36	10				
	980	33	7	37	8				
	1050	28	10	32	11				

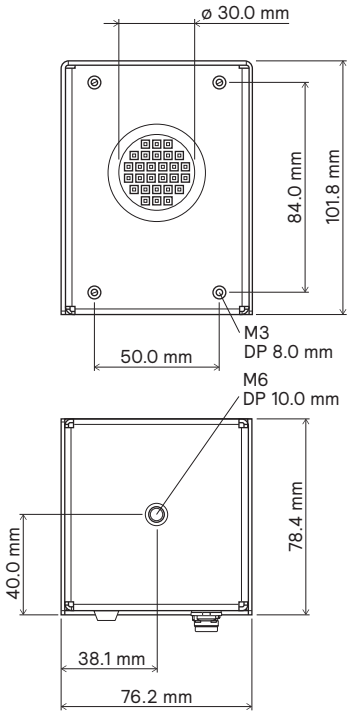
* minimum output 10% less than typical output guaranteed, measured light output +/-5% (405-1050 nm), +/-10% (265-395 nm)

Dimensional drawings

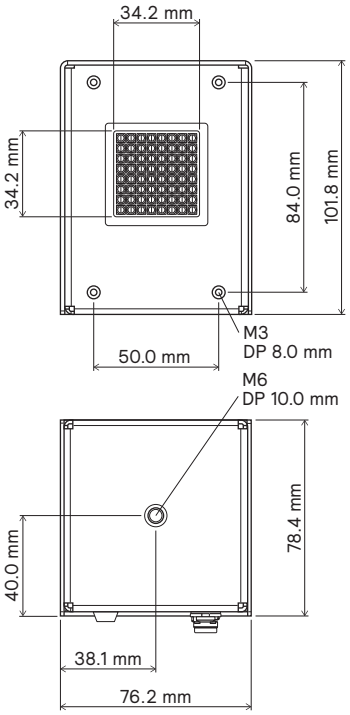
Rectangular spot



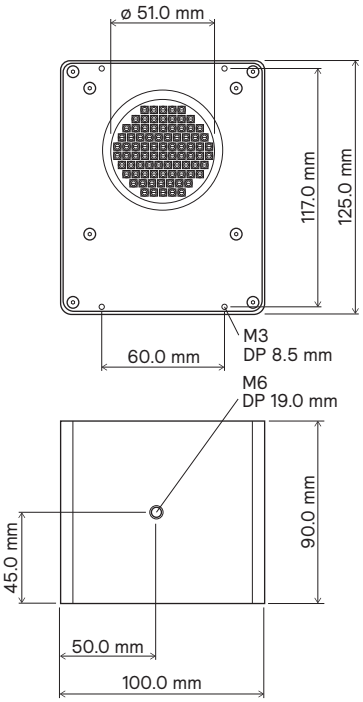
30 mm circular spot



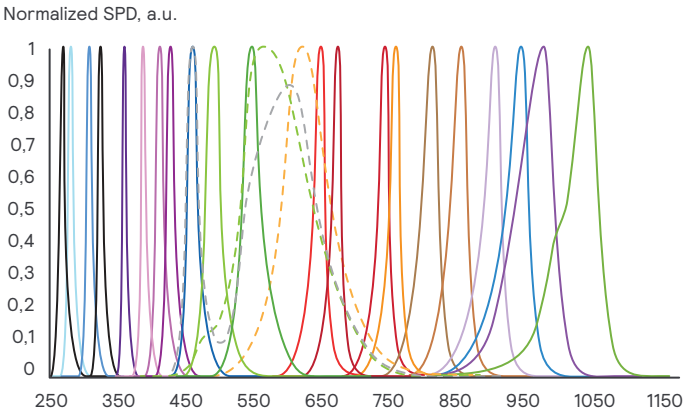
Multicolor spot



50 mm circular spot

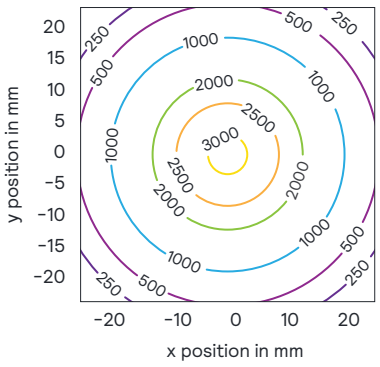


Wavelengths



- 265 nm
- 280 nm
- 308 nm
- 330 nm
- 365 nm
- 395 nm
- 405 nm
- 420 nm
- 450 nm
- 470 nm
- 525 nm
- White (PC 4000K)*
- 550 nm (PC lime)*
- 600 nm (PC amber)*
- 635 nm
- 660 nm
- 740 nm
- 750 nm
- 810 nm
- 850 nm
- 910 nm
- 940 nm
- 980 nm
- 1050 nm

* PC = Phosphor Converted



Irradiance plot at a distance of 1 cm

The graph on the left gives an irradiance profile on a vertical plane perpendicular to the optical axis at a distance of 1 cm from the spot module.

For a 450 nm 30 mm circular spot module the peak irradiance in the center is around 3000 mW/cm^2.