Photochemistry Spot module (PS) family

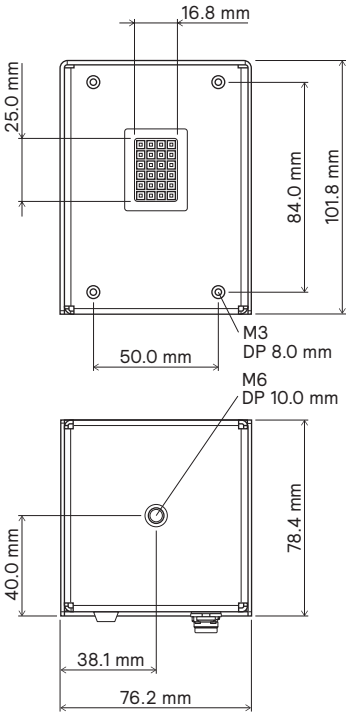
- Single wavelength and multicolor (4 wavelengths per product)
- Dimming 10 till 100% in steps of 10%
- 265 to 1050 nm
- Optical output up to 100 W
- Different window shapes (rectangular and round)
- CE certified

Overview spot range colors and powers

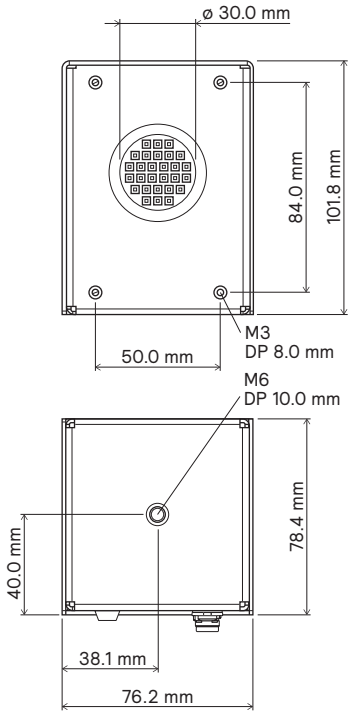
		Rectangular spot		30 mm circular spot		Multicolor spot		50 mm circular spot	
Colors	Peak wavelength	Electrical input (W)	Optical output (W)	Electrical input (W)	Optical output (W)	Electrical input (W)	Optical output (W)	Electrical input (W)	Optical output (W)
UVC/B	265	48	1.7						
	280	45	1.7						
	308	40	1.6						
	330	40	1.6						
UVA/ blue	365	76	21	86	25	51	15	213	67
	395	65	25	74	30	43	17	216	90
	405	61	24	70	38			204	85
	420	70	26	80	31	47	18	235	93
	450	58	30	66	34	39	20	193	103
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				

Dimensional drawings

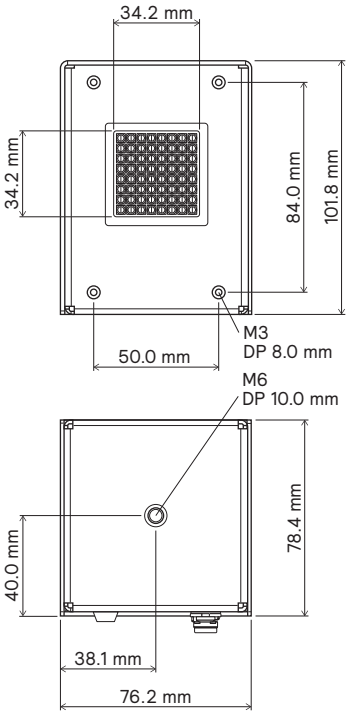
Rectangular spot



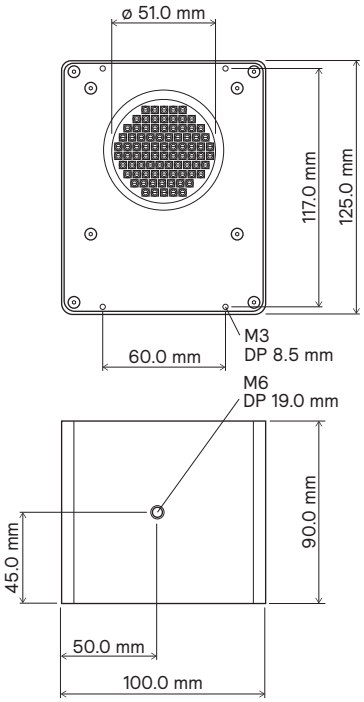
30 mm circular spot



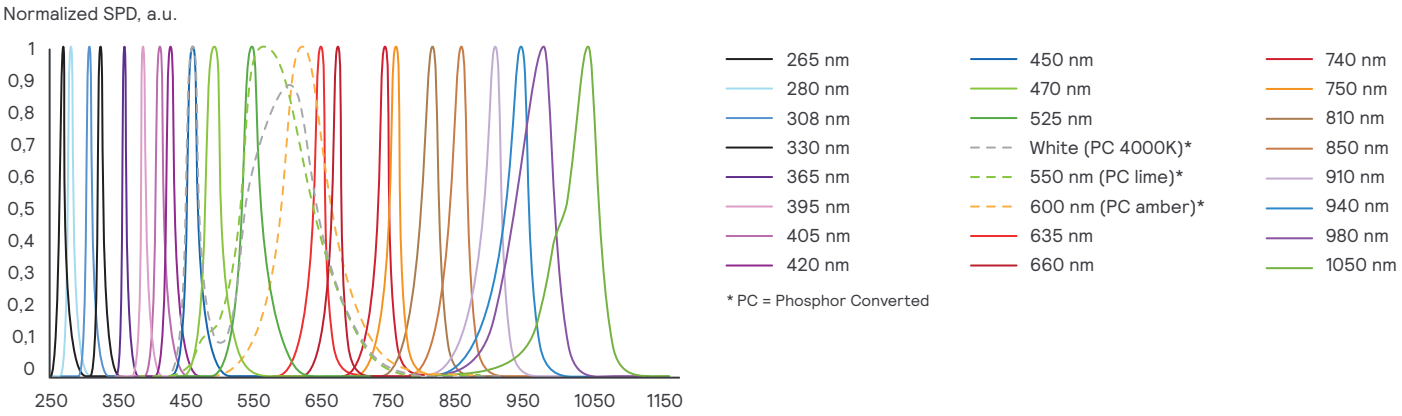
Multicolor spot

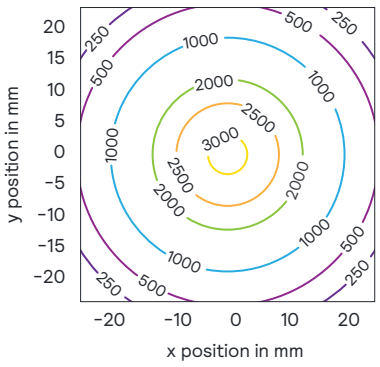


50 mm circular spot



Wavelengths





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.

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