

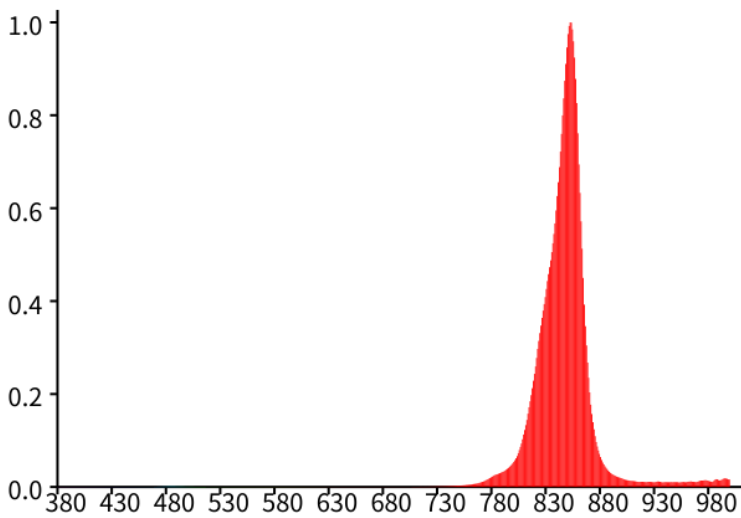
OPTICAL MEASUREMENT DATA

Infrared light mode | English translation

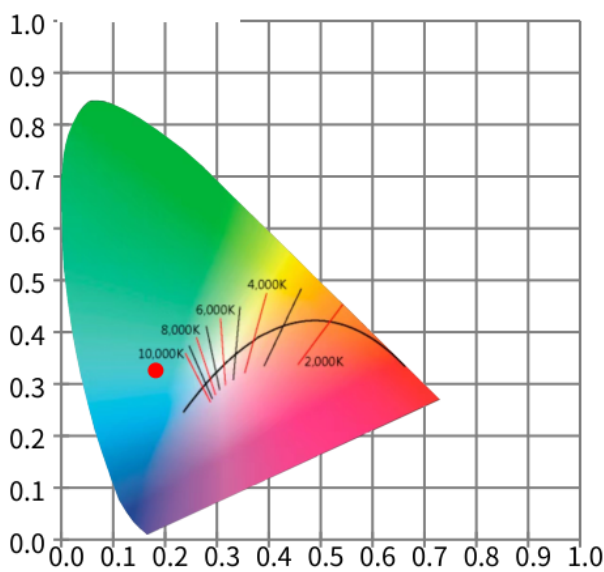
Source heading: Spectral Analysis System

Correlated colour temperature (K)	Illuminance (lx)	Peak wavelength (nm)	Centre wavelength (nm)
21916	45.0	853.6	850.0
Dominant wavelength (nm)	Centroid wavelength (nm)	Full width at half maximum (nm)	Dark signal
491.1	848.2	28.6	6341.0
Peak signal	Colour purity (%)	Integration time (ms)	Colour tolerance
57844	51.7	13.332	100.204
Blackbody deviation (duv)	Optical power density (W/m2)	Irradiance (mW/cm2)	Irradiance (uW/cm2)
0.07590	166.572	16.657	16657.211
Illuminance (fc)	Photopic / scotopic ratio	CIE 1931 X	CIE 1931 Y
4.2	5.4	36.7	65.9
CIE 1931 Z	Red-light irradiance (uW/cm2)	Near-infrared irradiance (uW/cm2)	Transmittance (%)
99.3	3.9	139.5	100.0

Spectral distribution



CIE 1931 chromaticity diagram



Chromaticity coordinates

x: 0.1819 y: 0.3262 u: 0.1111 v: 0.2988 u': 0.1111 v': 0.4482

Primary colour proportions

Red (%): 88.5 Green (%): 5.8 Blue (%): 5.7

Colour rendering and additional parameters are listed on page 3.

Figures reproduced from source; wavelength axis in nm.

Product:	Face mask	Product model:	SolarMask SM-1001
Product / sample No.:	01	Test date:	2025/10/28
Tester:	Liao Haijiao	Test instrument:	HP350FR
Manufacturer:	Not specified in source	Remarks:	Not specified in source

OPTICAL MEASUREMENT DATA

Infrared light mode | English translation

Source heading: Spectral Data Report

Spectral data table

WL (nm)	PL	PE (mW/nm)	WL (nm)	PL	PE (mW/nm)	WL (nm)	PL	PE (mW/nm)
380	0.0001	1.594089	580	0.0001	1.392709	780	0.0216	471.498871
385	0.0000	0.844229	585	0.0000	1.076460	785	0.0278	607.341187
390	0.0000	0.582602	590	0.0000	0.923197	790	0.0330	720.892822
395	0.0000	0.694081	595	0.0000	0.874956	795	0.0409	893.757385
400	0.0000	1.010173	600	0.0000	0.919608	800	0.0536	1171.052002
405	0.0000	1.001585	605	0.0001	1.619663	805	0.0768	1678.776978
410	0.0000	0.797425	610	0.0000	1.080780	810	0.1181	2580.684326
415	0.0000	0.891147	615	0.0000	0.603132	815	0.1783	3897.600586
420	0.0000	0.828184	620	0.0000	1.091578	820	0.2545	5562.854980
425	0.0001	1.182471	625	0.0001	1.438800	825	0.3428	7491.594727
430	0.0001	1.238389	630	0.0001	1.257821	830	0.4260	9309.755859
435	0.0000	0.988691	635	0.0001	2.139760	835	0.5096	11138.541016
440	0.0000	1.082963	640	0.0001	2.189222	840	0.6233	13621.534180
445	0.0000	0.747159	645	0.0001	1.653026	845	0.7916	17301.679688
450	0.0000	0.710682	650	0.0000	1.057151	850	0.9697	21192.572266
455	0.0001	1.412705	655	0.0001	1.353545	855	1.0000	21855.630859
460	0.0001	2.872896	660	0.0001	2.182142	860	0.7845	17145.115234
465	0.0002	4.907862	665	0.0001	1.981086	865	0.4761	10404.814453
470	0.0004	8.731220	670	0.0001	2.206647	870	0.2510	5485.620605
475	0.0006	13.503236	675	0.0001	2.361468	875	0.1324	2892.903564
480	0.0008	17.796276	680	0.0001	2.569714	880	0.0756	1651.642212
485	0.0009	19.346748	685	0.0002	3.458593	885	0.0474	1036.031006
490	0.0008	17.769081	690	0.0001	2.887203	890	0.0325	709.914978
495	0.0007	15.299179	695	0.0001	3.014178	895	0.0245	535.279053
500	0.0006	13.059005	700	0.0002	4.031708	900	0.0196	428.142761
505	0.0005	10.888453	705	0.0003	5.630258	905	0.0156	340.976410
510	0.0004	9.240219	710	0.0004	8.365247	910	0.0135	295.074890
515	0.0003	7.174160	715	0.0005	10.513060	915	0.0118	258.134033
520	0.0002	5.119188	720	0.0006	12.805625	920	0.0112	245.810211
525	0.0002	4.391024	725	0.0007	15.264709	925	0.0112	244.935577
530	0.0002	3.651543	730	0.0010	21.228056	930	0.0109	238.911301
535	0.0001	2.242175	735	0.0012	27.314722	935	0.0114	249.236099
540	0.0001	1.221428	740	0.0017	36.426876	940	0.0106	232.036728
545	0.0001	1.211880	745	0.0022	49.167065	945	0.0107	232.977600
550	0.0001	1.423754	750	0.0029	63.454582	950	0.0107	233.240219
555	0.0001	1.665655	755	0.0038	82.686592	955	0.0105	229.043274
560	0.0001	1.182751	760	0.0051	112.187492	960	0.0110	241.486984
565	0.0001	1.188328	765	0.0070	152.099060	965	0.0117	256.073669
570	0.0001	1.404155	770	0.0099	215.689377	970	0.0118	256.941406
575	0.0001	1.681667	775	0.0148	323.468079	975	0.0142	309.573029

WL = wavelength. PL and PE headings and units are reproduced as supplied.

Product:	Face mask	Product model:	SolarMask SM-1001
Product / sample No.:	01	Test date:	2025/10/28
Tester:	Liao Haijiao	Test instrument:	HP350FR
Manufacturer:	Not specified in source	Remarks:	Not specified in source

OPTICAL MEASUREMENT DATA

Infrared light mode | English translation

Source heading: Spectral Data Report

Spectral data table (continued)

WL (nm)	PL	PE (mW/nm)	WL (nm)	PL	PE (mW/nm)	WL (nm)	PL	PE (mW/nm)
980	0.0138	302.294006						
985	0.0136	296.673523						
990	0.0158	345.839325						
995	0.0177	385.819366						
1000	0.0167	365.296295						

Colour rendering indices

Ra: 33.9	Ravg: 33.1	R1: 66.5	R2: 38.9	R3: -10.6	R4: 10.5
R5: 71.3	R6: 30.8	R7: 23.2	R8: 40.9	R9: 60.3	R10: -41.5
R11: 19.5	R12: 36.7	R13: 46.1	R14: 34.5	R15: 54.8	

Additional source parameters

Colour quality scale (CQS): 8.0

Blue-light parameters - near-infrared irradiance (uW/cm2): 16495.2

Translation notes

All numerical measurement values and units have been retained.

WL = wavelength. PL and PE are retained as labelled in the source.

Blank manufacturer and remarks fields are identified as not specified.

Tester name is transliterated; source company details have been omitted.

The source heading "Blue-light parameters" is retained despite the NIR field.

No measurement distance or geometry is stated in the supplied source.

Product model SM-1001 is supplied by SolarMask; equivalence to the tested sample is not verified in this translation. Independent testing is not established.

Product:	Face mask	Product model:	SolarMask SM-1001
Product / sample No.:	01	Test date:	2025/10/28
Tester:	Liao Haijiao	Test instrument:	HP350FR
Manufacturer:	Not specified in source	Remarks:	Not specified in source