

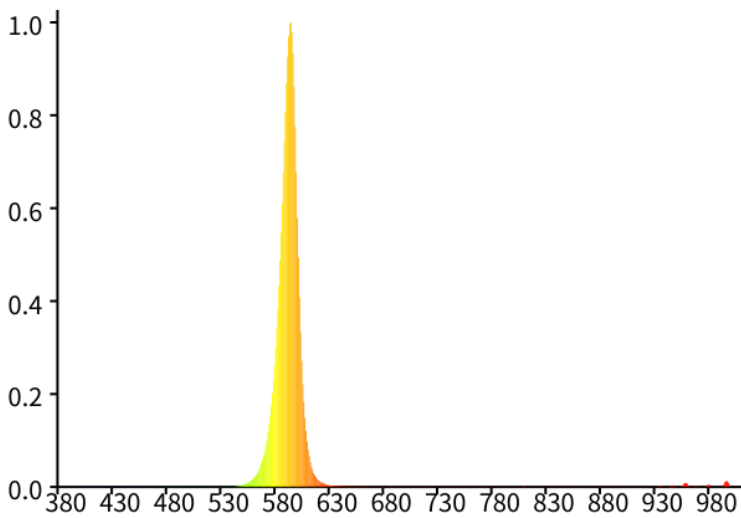
OPTICAL MEASUREMENT DATA

Yellow light mode | English translation

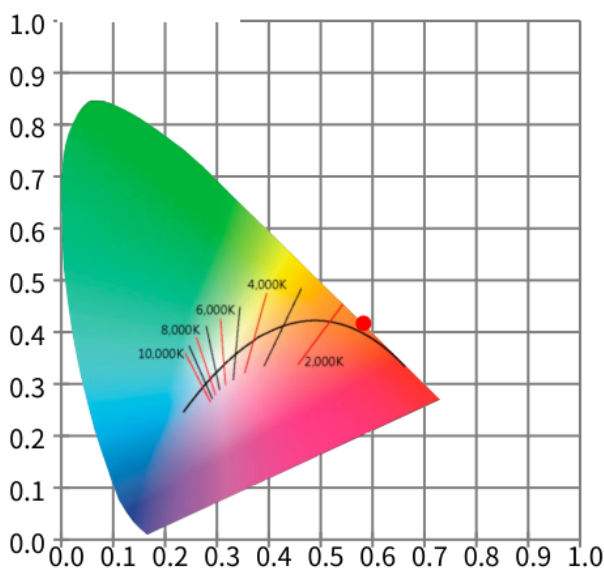
Source heading: Spectral Analysis System

Correlated colour temperature (K)	Illuminance (lx)	Peak wavelength (nm)	Centre wavelength (nm)
1636	37040.8	594.6	593.5
Dominant wavelength (nm)	Centroid wavelength (nm)	Full width at half maximum (nm)	Dark signal
591.3	595.4	17.0	6297.0
Peak signal	Colour purity (%)	Integration time (ms)	Colour tolerance
57702	100.0	1.516	76.763
Blackbody deviation (duv)	Optical power density (W/m2)	Irradiance (mW/cm2)	Irradiance (uW/cm2)
0.00527	75.979	7.598	7597.912
Illuminance (fc)	Photopic / scotopic ratio	CIE 1931 X	CIE 1931 Y
3429.7	0.2	75761.4	54231.4
CIE 1931 Z	Red-light irradiance (uW/cm2)	Near-infrared irradiance (uW/cm2)	Transmittance (%)
93.6	1290.5	7.0	100.0

Spectral distribution



CIE 1931 chromaticity diagram



Chromaticity coordinates

x: 0.5824 y: 0.4169 u: 0.3407 v: 0.3658 u': 0.3407 v': 0.5487

Primary colour proportions

Red (%): 17.2 Green (%): 82.8 Blue (%): 0.0

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

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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	0.0000	0.000000	580	0.2842	5165.440430	780	0.0000	0.066714
385	0.0000	0.534390	585	0.5209	9467.346680	785	0.0001	1.290525
390	0.0000	0.717532	590	0.8393	15252.861328	790	0.0001	1.421688
395	0.0000	0.798634	595	1.0000	18173.533203	795	0.0001	1.137365
400	0.0001	1.739392	600	0.7077	12862.144531	800	0.0001	1.797960
405	0.0000	0.766202	605	0.3075	5589.116699	805	0.0000	0.794913
410	0.0000	0.000000	610	0.1122	2038.861816	810	0.0006	11.524437
415	0.0000	0.753628	615	0.0414	752.083008	815	0.0002	4.242546
420	0.0001	2.394644	620	0.0172	311.769989	820	0.0000	0.177694
425	0.0001	0.987459	625	0.0085	154.297043	825	0.0000	0.000000
430	0.0000	0.169220	630	0.0044	79.689125	830	0.0000	0.000000
435	0.0000	0.430817	635	0.0026	48.117832	835	0.0000	0.295240
440	0.0000	0.411482	640	0.0021	37.993206	840	0.0002	3.560420
445	0.0000	0.184426	645	0.0014	25.123039	845	0.0002	4.283103
450	0.0000	0.366482	650	0.0010	17.929434	850	0.0000	0.504339
455	0.0000	0.121587	655	0.0007	12.972836	855	0.0000	0.000000
460	0.0000	0.000000	660	0.0011	19.440138	860	0.0001	1.063703
465	0.0000	0.000000	665	0.0006	11.140868	865	0.0001	1.972248
470	0.0000	0.016174	670	0.0002	3.861065	870	0.0000	0.000000
475	0.0000	0.440264	675	0.0003	4.660571	875	0.0001	1.286091
480	0.0001	0.909595	680	0.0004	6.404932	880	0.0002	3.741347
485	0.0001	1.116442	685	0.0005	8.628428	885	0.0002	3.436182
490	0.0001	1.158569	690	0.0004	6.872600	890	0.0002	3.331046
495	0.0001	1.159256	695	0.0002	3.351252	895	0.0000	0.389568
500	0.0001	0.963378	700	0.0001	1.030936	900	0.0000	0.000000
505	0.0000	0.344801	705	0.0001	1.166600	905	0.0000	0.000000
510	0.0000	0.330915	710	0.0001	1.203643	910	0.0000	0.000000
515	0.0001	1.711432	715	0.0001	2.525314	915	0.0000	0.000000
520	0.0001	1.892987	720	0.0003	5.080360	920	0.0000	0.000000
525	0.0001	2.591099	725	0.0005	8.908848	925	0.0000	0.000000
530	0.0001	1.656081	730	0.0001	2.692122	930	0.0000	0.901515
535	0.0001	1.334791	735	0.0000	0.835075	935	0.0012	21.416813
540	0.0002	3.909463	740	0.0003	4.749802	940	0.0002	3.974215
545	0.0013	23.298981	745	0.0004	7.535296	945	0.0015	26.522995
550	0.0039	71.316002	750	0.0004	8.023331	950	0.0011	19.653881
555	0.0089	162.069717	755	0.0003	5.672108	955	0.0021	38.092171
560	0.0186	338.486481	760	0.0001	1.258031	960	0.0062	111.792267
565	0.0368	669.657288	765	0.0002	3.745957	965	0.0008	13.896411
570	0.0733	1332.962036	770	0.0006	10.818238	970	0.0008	13.890106
575	0.1461	2655.853516	775	0.0003	5.679500	975	0.0001	2.248469

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

Yellow 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	0.0027	49.440456						
985	0.0006	11.026579						
990	0.0000	0.404229						
995	0.0061	110.562569						
1000	0.0047	85.098991						

Colour rendering indices

Ra: -22.7	Ravg: -28.5	R1: -44.7	R2: 45.5	R3: 16.0	R4: -75.2
R5: -47.0	R6: 33.3	R7: -10.0	R8: -100.0	R9: -100.0	R10: 19.2
R11: -100.0	R12: -23.6	R13: -26.2	R14: 44.0	R15: -74.0	

Additional source parameters

Colour quality scale (CQS): 0.0
Blue-light parameters - near-infrared irradiance (uW/cm2): 57.1

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
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