

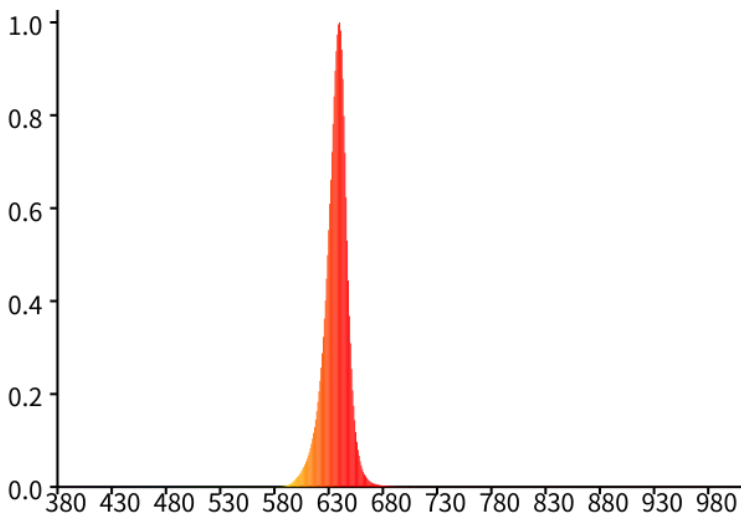
OPTICAL MEASUREMENT DATA

Red light mode | English translation

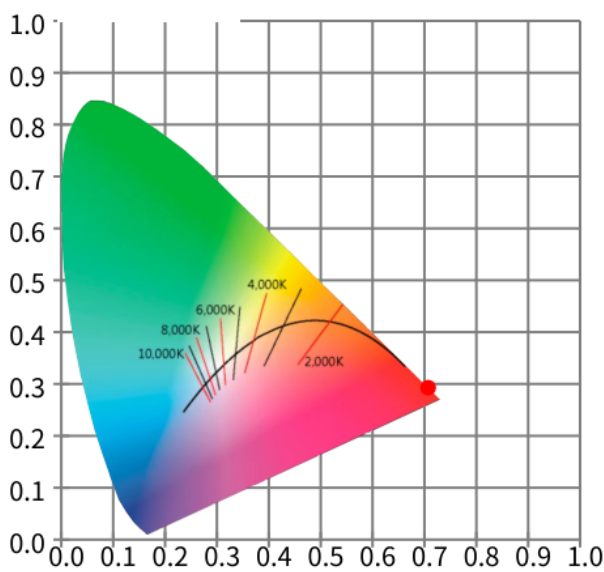
Source heading: Spectral Analysis System

Correlated colour temperature (K)	Illuminance (lx)	Peak wavelength (nm)	Centre wavelength (nm)
1000	36121.9	639.6	638.0
Dominant wavelength (nm)	Centroid wavelength (nm)	Full width at half maximum (nm)	Dark signal
629.3	636.7	18.5	5985.0
Peak signal	Colour purity (%)	Integration time (ms)	Colour tolerance
59109	100.0	0.686	200.253
Blackbody deviation (duv)	Optical power density (W/m2)	Irradiance (mW/cm2)	Irradiance (uW/cm2)
0.00000	245.713	24.571	24571.277
Illuminance (fc)	Photopic / scotopic ratio	CIE 1931 X	CIE 1931 Y
3344.6	0.0	127681.1	52886.1
CIE 1931 Z	Red-light irradiance (uW/cm2)	Near-infrared irradiance (uW/cm2)	Transmittance (%)
13.7	24451.9	5.3	100.0

Spectral distribution



CIE 1931 chromaticity diagram



Chromaticity coordinates

x: 0.7071 y: 0.2929 u: 0.5545 v: 0.3445 u': 0.5545 v': 0.5167

Primary colour proportions

Red (%): 99.5 Green (%): 0.5 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

OPTICAL MEASUREMENT DATA

Red 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	0.0000	0.000000	580	0.0001	7.418731	780	0.0000	0.000000
385	0.0000	0.000000	585	0.0005	27.499805	785	0.0000	0.000000
390	0.0000	0.000000	590	0.0024	127.955811	790	0.0000	0.000000
395	0.0000	0.000000	595	0.0080	435.093567	795	0.0000	0.000000
400	0.0000	0.000000	600	0.0194	1051.581177	800	0.0000	0.000000
405	0.0000	0.000000	605	0.0366	1985.190674	805	0.0000	0.000000
410	0.0000	0.000000	610	0.0641	3477.040771	810	0.0000	0.000000
415	0.0000	0.000000	615	0.1110	6016.819336	815	0.0000	0.000000
420	0.0000	0.000000	620	0.1954	10592.983398	820	0.0000	0.000000
425	0.0000	0.000000	625	0.3439	18642.449219	825	0.0000	0.191141
430	0.0000	0.000000	630	0.5802	31448.695313	830	0.0001	3.712420
435	0.0000	0.000000	635	0.8657	46925.332031	835	0.0000	0.664636
440	0.0000	0.000000	640	1.0000	54203.746094	840	0.0000	0.000000
445	0.0000	0.000000	645	0.7350	39838.882813	845	0.0000	0.000000
450	0.0000	0.000000	650	0.3406	18463.277344	850	0.0000	0.000000
455	0.0000	0.000000	655	0.1324	7178.430176	855	0.0000	0.000000
460	0.0000	0.000000	660	0.0516	2796.429932	860	0.0000	0.000000
465	0.0000	0.000000	665	0.0217	1176.582153	865	0.0000	0.000000
470	0.0000	0.000000	670	0.0099	538.671570	870	0.0000	0.000000
475	0.0000	0.000000	675	0.0056	304.863281	875	0.0000	0.000000
480	0.0000	0.000000	680	0.0033	177.681488	880	0.0000	0.000000
485	0.0000	0.000000	685	0.0019	101.588585	885	0.0000	0.000000
490	0.0000	0.000000	690	0.0011	61.151531	890	0.0000	0.000000
495	0.0000	0.000000	695	0.0006	30.843027	895	0.0000	0.000000
500	0.0000	0.000000	700	0.0005	26.558647	900	0.0000	0.000000
505	0.0000	0.000000	705	0.0003	15.035190	905	0.0000	0.000000
510	0.0000	0.000000	710	0.0004	19.196461	910	0.0000	0.000000
515	0.0000	0.586586	715	0.0001	4.719549	915	0.0000	0.000000
520	0.0000	0.424504	720	0.0000	0.772623	920	0.0000	0.000000
525	0.0000	0.000000	725	0.0000	0.000000	925	0.0000	0.000000
530	0.0000	0.272392	730	0.0000	0.800844	930	0.0000	0.000000
535	0.0001	3.739056	735	0.0000	0.380053	935	0.0000	0.000000
540	0.0000	0.994538	740	0.0000	0.334652	940	0.0000	0.000000
545	0.0000	0.298592	745	0.0000	1.126099	945	0.0000	0.000000
550	0.0000	0.673944	750	0.0000	0.000000	950	0.0000	0.000000
555	0.0001	3.063168	755	0.0000	0.000000	955	0.0000	0.000000
560	0.0001	3.253829	760	0.0000	0.000000	960	0.0000	0.000000
565	0.0001	3.814893	765	0.0000	0.000000	965	0.0000	0.000000
570	0.0001	3.255500	770	0.0000	0.000000	970	0.0000	0.000000
575	0.0002	8.713662	775	0.0000	0.000000	975	0.0000	0.000000

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

Red 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	0.0000	0.000000						
985	0.0000	0.000000						
990	0.0000	0.000000						
995	0.0000	0.000000						
1000	0.0000	0.000000						

Colour rendering indices

Ra: 6.8	Ravg: 8.1	R1: -4.8	R2: 72.2	R3: 28.6	R4: -34.2
R5: -4.4	R6: 87.3	R7: -3.5	R8: -86.1	R9: -100.0	R10: 64.9
R11: -21.0	R12: 79.2	R13: 20.2	R14: 56.6	R15: -48.8	

Additional source parameters

Colour quality scale (CQS): NaN

Blue-light parameters - near-infrared irradiance (uW/cm2): 0.5

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