



Nattelyst

nattelyst.dk

Nattelyst Blue Light Glasses — 30%

European Standard [EN/ISO 12312-1-2015]

Item	Value	Requirement	Results
Transmittance(Tv)	91.40%		
Filter Category	0		
Tsuvb (280nm~315nm)	0.00%	<4.57%(0.05Tv)	PASS
Tsuva (315nm~380nm)	0.00%	<91.40%Tv	PASS
Tmin (475nm~650nm)	84.47%	>=18.28%(0.2Tv)	PASS
Claimed Value			
Tsuvb (280nm~315nm)	0.00%	<=(2.00+0.5)%	PASS
Tsuva (315nm~380nm)	0.00%	<=(2.00+0.5)%	PASS
Tsuv (280nm~380nm)	0.00%	<=(2.00+0.5)%	PASS
Tsb (380nm~500nm)	69.27%	<=(90.00+0.5)%	PASS
Recognition of signal lights			
Red[Q] (LED / INCT)	1.03 / 1.03	≥0.8	PASS / PASS
Yellow[Q] (LED / INCT)	1.02 / 1.02	≥0.6	PASS / PASS
Green[Q] (LED / INCT)	0.97 / 1.00	≥0.6	PASS / PASS
Blue[Q] (LED / INCT)	0.91 / 0.96	≥0.6	PASS / PASS

AS/NZS Standard [AS/NZS 1067-2016]

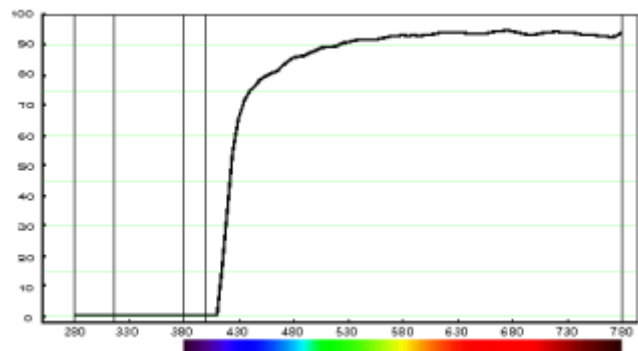
Item	Value	Requirement	Results
Transmittance(Tv)	91.40%		
Filter Category	0		
Tsuvb (280nm~315nm)	0.00%	<4.57%(0.05Tv)	PASS
Tsuva (315nm~400nm)	0.00%	<91.40%Tv	PASS
Tmin (475nm~650nm)	84.47%	>=18.28%(0.2Tv)	PASS
Claimed Value			
Tsuvb (280nm~315nm)	0.00%	<=(2.00+0.5)%	PASS
Tsuva (315nm~400nm)	0.00%	<=(2.00+0.5)%	PASS
Tsuv (280nm~400nm)	0.00%	<=(2.00+0.5)%	PASS
Tsb (380nm~500nm)	69.27%	<=(90.00+0.5)%	PASS
Recognition of signal lights			
Red[Q] (LED / INCT)	1.03 / 1.03	≥0.8	PASS / PASS
Yellow[Q] (LED / INCT)	1.02 / 1.02	≥0.6	PASS / PASS
Green[Q] (LED / INCT)	0.97 / 1.00	≥0.6	PASS / PASS
Blue[Q] (LED / INCT)	0.91 / 0.96	≥0.7	PASS / PASS

American National Standard [ANSI Z80.3-2015]

High and prolonged exposure NO

Item	Value	Requirement	Results
Transmittance(Tc)	91.43%		
Filter Category	(Cosmetic lens or shield, light)		
Tsig Vaules			
Red	93.97%	≥8%	PASS
Yellow	93.05%	≥6%	PASS
Green	90.62%	≥6%	PASS
Mean Transmittance			
Tsb	69.27%		
UVB (280nm~315nm)	0.00%	<=11.43%(0.125T	PASS
UVA (315nm~380nm)	0.00%	<=91.43%(Tv)	PASS
Tmin (475nm~650nm)	84.47%	>=18.29%(0.2Tv)	PASS
Color CIE			
Day light (D65)	X:0.329 Y:0.355		PASS
YELLOW	X:0.577 Y:0.422		PASS
GREEN	X:0.214 Y:0.424		PASS

lens: 1



CIE 1976 L*,a*,b* col L*= 96.59 a*= -3.97 b*= 12.43

Ap% 100.00% P%= 100.00% Photochromic= 0.00 UV400= 0.00

Spectrum Data:

780	94.06	775	92.88	770	92.69	765	92.92	760	93.07	755	93.27	750	93.48	745	93.44
740	93.57	735	93.99	730	94.20	725	94.29	720	94.30	715	94.20	710	93.94	705	93.55
700	93.47	695	93.24	690	93.52	685	93.91	680	94.35	675	94.78	670	94.66	665	94.49
660	94.23	655	93.84	650	93.54	645	93.76	640	93.72	635	94.02	630	94.00	625	94.28
620	94.24	615	93.96	610	93.53	605	93.40	600	93.32	595	93.01	590	93.22	585	93.07
580	93.14	575	92.77	570	92.78	565	92.42	560	92.12	555	91.90	550	91.78	545	91.57
540	91.65	535	91.32	530	90.82	525	90.30	520	89.78	515	89.48	510	89.26	505	88.89
500	87.96	495	87.28	490	86.46	485	86.05	480	85.56	475	84.47	470	83.04	465	81.41
460	80.54	455	79.82	450	78.41	445	76.32	440	74.49	435	71.74	430	65.87	425	54.58
420	36.78	415	15.01	410	0.00	405	0.00	400	0.00	395	0.00	390	0.00	385	0.00
380	0.00	375	0.00	370	0.00	365	0.00	360	0.00	355	0.00	350	0.00	345	0.00
340	0.00	335	0.00	330	0.00	325	0.00	320	0.00	315	0.00	310	0.00	305	0.00
300	0.00	295	0.00	290	0.00	285	0.00	280	0.00						

CIE 1931 XYZ

