

Polarizing Lens International Standards Conformity Report

Lens Code

Production Line

Operator

Base

Note

Info

Date

Time



Equipment

Equipment SN

Additional required informations
This is not suitable for:

- direct viewing of the sun
- for use in twilight or at night
- protection against sources of radiation other than natural

American National Standard ANSI Z80.3-2010

Visible Transmittance

Primary Function

Warnings

VISIBLE SPECTRAL RANGE

Traffic signal transmittance

Red	35.42 %	Min>	8.00	PASS
Yellow	29.68 %	Min>	6.00	PASS
Green	20.45 %	Min>	6.00	PASS

Total Transmittance (475-650)

	0.43	(Tv)Min>	0.20	PASS
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UV SPECTRAL RANGE

in EUV (280-315)

	0.00	(Tv) Max<	0.03	PASS
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in NUV (315-380)

	0.00	(Tv) Max<	0.24	PASS
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Light Tsb (380-500) %

	7.775			
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COLOR LIMITS

	X	Y	
Green	0.269	0.501	PASS
Yellow	0.595	0.404	PASS
D65	0.426	0.413	PASS

See color Limit of acceptance on a CIE (1931) chromatic diagram

European Standard EN 1836 : 2005 + A1:2007

Transmittance value

Filter Category

Description

Warnings

VISIBLE SPECTRAL RANGE

Recognition of signal light and colors

QRed	1.42	Min>	0.80	PASS
QYellow	1.24	Min>	0.80	PASS
QGreen	0.85	Min>	0.60	PASS
QBlue	0.79	Min>	0.40	PASS

Spectral Transmittance (500-650)

	0.62	Min>	0.20	PASS
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UV SPECTRAL RANGE

in UVB (280-315)

	0.04	% Max<	2.40	PASS
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in UVA (315-350)

	0.03	% Max<	24.01	PASS
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in UVA (315-380)

	0.01	% Max<	24.01	PASS
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in UVB (280-315)

	0.01	%		
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in UV (280-380)

	0.01	%		
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Light Tsb (380-500)

	7.88	%		
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Australian/New Zeland Standard AS/NZS 1067-2003/Amdt 1:2009

Visible Transmittance

Filter Category

Description

Warnings

VISIBLE SPECTRAL RANGE

Recognition of signal light and colors

QRed	1.42	Min>	0.80	PASS
QYellow	1.24	Min>	0.80	PASS
QGreen	0.85	Min>	0.60	PASS
QBlue	0.79	Min>	0.70	PASS

Min Spectral Transmittance (450-650)

	0.31	Min>	0.20	PASS
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UV SPECTRAL RANGE

in UVB (280-315)

	0.00	(Tv)Max<	0.01	PASS
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in UVA (315-350)

	0.00	(Tv)Max<	0.24	PASS
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in UVA (315-400)

	0.00	(Tv)Max<	0.24	PASS
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UVB (Tsub 280-315)

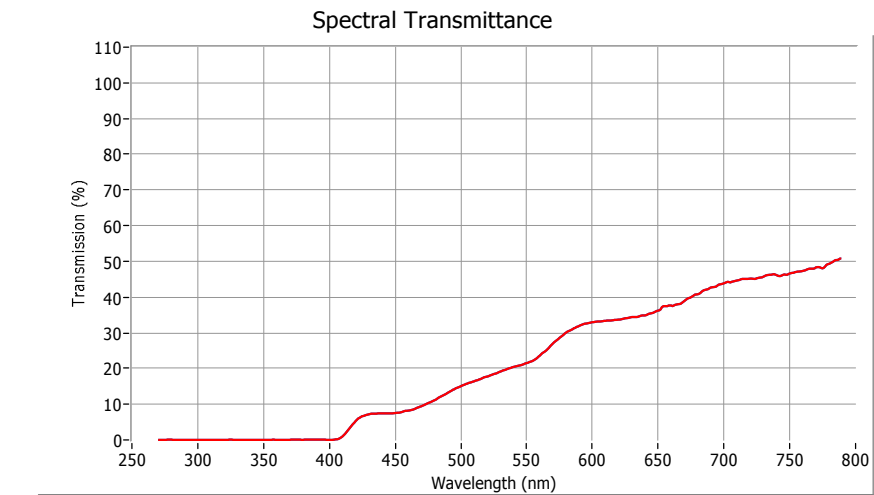
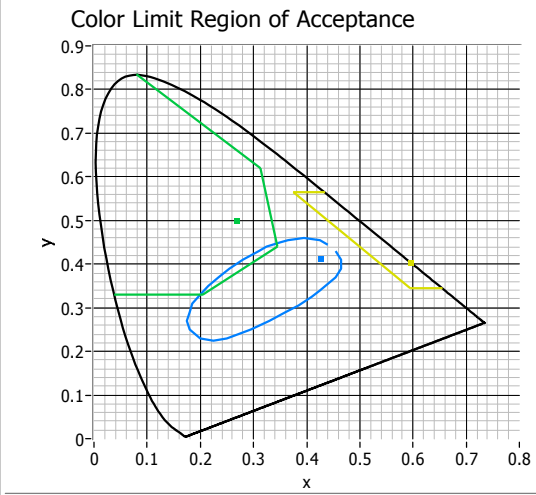
	0.01	%		
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in UV (Tsub 280-400)

	0.01	%		
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in UV (Tsb 380-500)

	7.88	%		
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Lens Code
Production Line
Operator
Base
Note
Info

Date
Time



Equipment
Equipment SN

Additional required informations
 This is not suitable for:
 - direct observation of the sun
 - for use as eye protection against mechanical impact hazard
 - protection against artificial light sources

International Standard
ISO 12312-1

Visible Transmittance (Tv) %
 Filter Category
 Descriptive label
 Warnings

VISIBLE SPECTRAL RANGE

Detection of signal light

QRed	<input type="text" value="1.42"/>	Min >	<input type="text" value="0.80"/>	<input type="text" value="PASS"/>
QYellow	<input type="text" value="1.20"/>	Min >	<input type="text" value="0.60"/>	<input type="text" value="PASS"/>
QGreen	<input type="text" value="0.89"/>	Min >	<input type="text" value="0.60"/>	<input type="text" value="PASS"/>
QBlue	<input type="text" value="0.68"/>	Min >	<input type="text" value="0.60"/>	<input type="text" value="PASS"/>

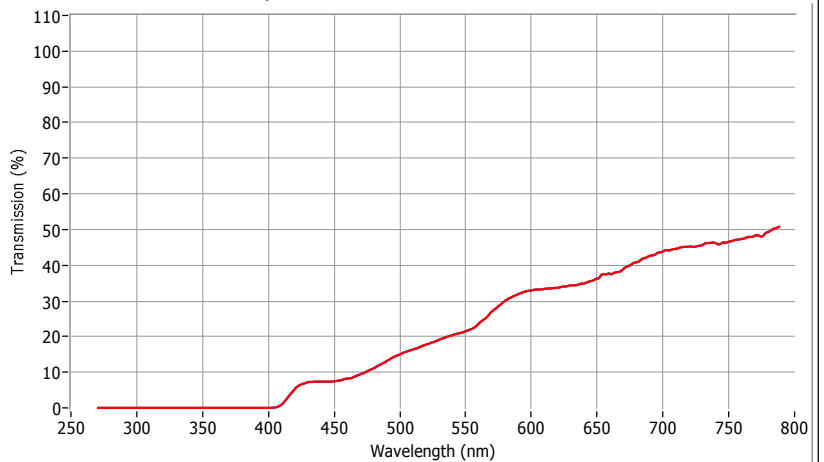
Spectral Transmittance (475-650)

<input type="text" value="10.25"/>	Min >	<input type="text" value="4.80"/>	<input type="text" value="PASS"/>
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UV SPECTRAL RANGE

Uva (315-380)	<input type="text" value="0.01"/>	% Max <	<input type="text" value="12.01"/>	<input type="text" value="PASS"/>
Uvb (280-315)	<input type="text" value="0.01"/>	% Max <	<input type="text" value="1.20"/>	<input type="text" value="PASS"/>
Uuv (280-380)	<input type="text" value="0.01"/>	%		
Uvb (380-500)	<input type="text" value="7.81"/>	%		

Spectral Transmittance



Current