

## Gradient International Standards Conformity Report

Lens Code:

Production Line:

Operator:

Base:

Note:

Info:

Date:

Time:

Equipment:

S/N:



SOCIETA' EUROPEA LENTI

Additional required information  
This is not suitable for:  
- direct viewing of the sun  
- for use in twilight or at night  
- protection against sources of radiation other

### American National Standard ANSI Z80.3-2018

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="40,52"/>	<input type="text" value="24,54"/>	<input type="text" value="70,18"/>

Primary Function:


Warnings:

### International Standard ISO 12312-1:2013/Amd.1:2015

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="40,72"/>	<input type="text" value="24,68"/>	<input type="text" value="70,31"/>

Filter Category:

Descriptive Label:


Warnings:  

### Australian/New Zealand Standard AS/NZS 1067.1:2016

Center	Up	Down
Luminous Transmittance (Tv) %		
<input type="text" value="40,72"/>	<input type="text" value="24,68"/>	<input type="text" value="70,31"/>

Filter Category:

Descriptive Label:

Warnings:  

#### VISIBLE SPECTRAL RANGE

Traffic signal transmittance %

Color	Center	Up	Down	Min	Max	Result
Red	29,39	14,79	63,45	Min	> 0,00	PASS
Yellow	28,55	12,81	63,82	Min	> 0,00	PASS
Green	48,46	31,94	74,59	Min	> 0,00	PASS

Spectral transm (475-650) (Tv)

Center	Up	Down	Min	Max	Result
0,48	0,26	0,81	Min	> 0,20	PASS

#### VISIBLE SPECTRAL RANGE

Detection of signal light: **INCANDESCENT LIGHT**

Color	Center	Up	Down	Min	Max	Result
QRed	0,64	0,47	0,88	Min	> 0,80	FAIL
QYellow	0,76	0,60	0,93	Min	> 0,60	PASS
QGreen	1,12	1,16	1,04	Min	> 0,60	PASS
QBlue	1,55	2,01	1,15	Min	> 0,60	PASS

Spectral transm (475-650) %

Center	Up	Down	Min	Max	Result
19,61	6,46	57,09	Min	> 8,14	PASS

#### VISIBLE SPECTRAL RANGE

Detection of signal light: **INCANDESCENT LIGHT**

Color	Center	Up	Down	Min	Max	Result
QRed	0,64	0,47	0,88	Min	> 0,80	FAIL
QYellow	0,76	0,60	0,93	Min	> 0,60	PASS
QGreen	1,12	1,16	1,04	Min	> 0,60	PASS
QBlue	1,55	2,01	1,15	Min	> 0,70	PASS

Spectral transm (475-650) %

Center	Up	Down	Min	Max	Result
19,61	6,46	57,09	Min	> 8,14	PASS

#### UV SPECTRAL RANGE

Mean EUV (280-315) %

Center	Up	Down	Max	Result
0,04	0,05	0,00	Max < 1,00	PASS

Mean NUV (315-380) %

Center	Up	Down	Max	Result
0,03	0,07	0,00	Max < 20,26	PASS

BlueLight Tsb (380-500) %

Center	Up	Down
71,74	64,63	78,72

#### UV SPECTRAL RANGE

Tsuva (315-380) %

Center	Up	Down	Max	Result
0,04	0,08	0,00	Max < 20,36	PASS

Tsubv (280-315) %

Center	Up	Down	Max	Result
0,03	0,05	0,00	Max < 2,04	PASS

Tsuv (280-380) %

Center	Up	Down
0,04	0,07	0,00

Tsb (380-500) %

Center	Up	Down
71,73	64,62	78,72

#### UV SPECTRAL RANGE

Tsuva (315-400) %

Center	Up	Down	Max	Result
0,04	0,08	0,00	Max < 20,36	PASS

Tsubv (280-315) %

Center	Up	Down	Max	Result
0,03	0,05	0,00	Max < 2,04	PASS

Tsuv (280-400) %

Center	Up	Down
0,04	0,07	0,00

Tsb (380-500) %

Center	Up	Down
71,73	64,62	78,72

#### COLOR LIMITS

	X	Y	Result
Green	0,164	0,333	FAIL
Yellow	0,560	0,438	PASS
D65	0,225	0,260	FAIL

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

#### Color Limit Region of Acceptance

