
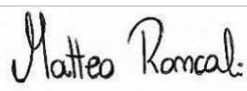



	Test report	571-QL26-R02 ver. 0	 00888 <small>Signatory of EA and ILAC Mutual Recognition Agreements</small>
	Applicant	LARES di Claudio Leric Regione Viazzi, 6 15010 - Castelletto d'Erro (AL) - Italy	
	Type	SC_04 (IEN 7121)	

TEST REPORT 571-QL26-R02 ver. 0

Dates and authorization Date e autorizzazioni		
Report Date Data emissione rapporto di prova	06/05/2026	
Written by Preparato da	Matteo Roncali	
Authorized by Autorizzato da	Ing. Michele Peschiera	
Data declared under the sole responsibility of the applicant Dati dichiarati dal richiedente e sotto la sua responsabilità		
Applicant Richiedente	LARES di Claudio Leric - Regione Viazzi, 6 - 15010 - Castelletto d'Erro (AL) - Italy	
Manufacturer Produttore	Same as applicant/Come il richiedente	
Sample description Descrizione campione	Diffuse light source	
Type Modello	SC_04 (IEN 7121)	
Light source Sorgente luminosa	Not declared	
Multimeter Multimetro	Keysight U1253B sn MY61060043	
Illuminant A current Corrente per illuminante A	I_A : 4,0768 A	
Applicable Standard Norme applicabili		
	CIE 15:2018 Colorimetry and CIE 70:1987 Measurement of absolute luminous intensity distribution	


The test results and observations indicated in this test report refer exclusively to the samples as received and tested. It is not permitted to transfer the results to other systems or configurations. The partial publication or duplication of this test report without a written consent of the test laboratory is not permitted. The test laboratory not assumes any liability to any party for any loss, expense or damage occasioned by the use of this report. Any use of the laboratories name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by the test laboratory. In case of a multilingual test report, the English version is the only official version.

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	Type	SC_04 (IEN 7121)	

Annex Annesso	Test Name Identificazione prova	Test Method Metodo di prova	Test Requirement Requisito di prova	Verdict / Result Esito / Risultato
I	Maximum light intensity at 10 m with 4,000 A setting	The sample was mounted (with the support provided by the applicant) on the goniometer and powered with the constant current of 4,000 A measured with the multimeter provided by the applicant. The light intensity distribution at 10 m was measured and the maximum light intensity was determined	Not applicable	$I_{\max}[\text{cd}] = 75,4 \text{ cd}$ $-1,90^\circ \text{ H}; -0,70^\circ \text{ V}$
II	CCT measurement with I_A setting	The sample was mounted on the goniometer; correlated color temperature was measured in the optical axis at the current I_A declared and measured with the multimeter provided by the applicant	Not applicable	$CCT = 2856 \text{ K}$
III	Maximum light intensity at 10 m with I_A setting	The sample was mounted (with the support provided by the applicant) on the goniometer and powered with the constant current I_A measured with the multimeter provided by the applicant. The light intensity distribution at 10 m was measured and the maximum light intensity was determined	Not applicable	$I_{\max_A}[\text{cd}] = 84,3 \text{ cd}$ $-1,95^\circ \text{ H}; -0,30^\circ \text{ V}$
IV	Photographs	-	-	-

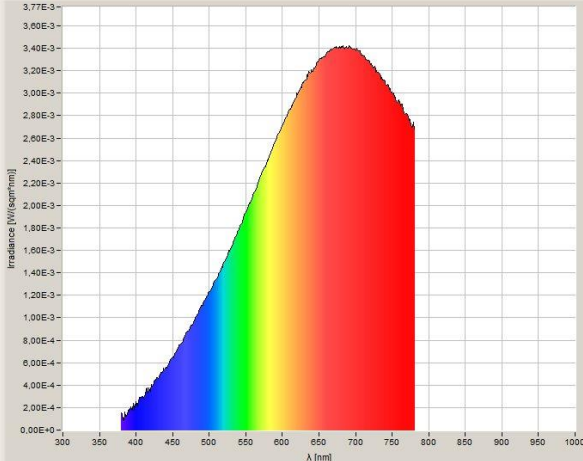
Uncertainty Incertezza	
Photometric parameter Parametri fotometrici	Luminous intensity and illuminance / Intensità luminosa e illuminamento = 1,9 %
Color coordinates Coordinate cromatiche	$x = 0,0019 \quad y = 0,0019$
Sample mounting precision Precisione montaggio dispositivo	$\pm 0,5^\circ$
Statement Dichiarazione	<p>The measured value (y) and the associated expanded uncertainty (U) represent the interval ($y \pm U$) which contains the value of the measured quantity with a probability of approximately 95 % and a coverage factor $k = 2$.</p> <p>The values into the different annex have the maximum significant figures managed by the measurement software.</p> <p>Il valore misurato (y) e l'incertezza estesa associata (U) rappresentano l'intervallo ($y \pm U$) che contiene il valore della grandezza misurata con una probabilità di circa il 95 % e un fattore di copertura $k = 2$.</p> <p>I valori negli annessi sono riportati con il massimo numero di cifre significative gestite dal software della strumentazione.</p>

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ANNEX I		Maximum Illuminance at 10 m with 4,000 A setting																																																																																																														
Test method	CIE 70:1987																																																																																																															
Sample identification	571-QL26-S02 SC_04 (IEN 7121)																																																																																																															
Place of testing	Qualilab Srl - Via Trento, 87 - 25020 - Capriano del Colle (BS) - Italy																																																																																																															
Test date	30/04/2026																																																																																																															
Environmental conditions	Temperature 23 °C ± 3 °C																																																																																																															
Instruments	Temperature-humidity datalogger QL-IN-018 Temperature-humidity datalogger QL-IN-020 Photogoniometer QL-IN-002 Multimeter Keysight U1253B sn MY61060043 (Applicant’s instrument)																																																																																																															
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Test requirements	Not applicable																																																																																																															
VERDICT / RESULT	<table><tr><td>Program:</td><td colspan="5"></td><td>max E scan</td></tr><tr><td colspan="7">max E scan</td></tr><tr><td>Name:</td><td colspan="6">LARES 571-QL26 SC.04 (IEN 7121) max E 2026 4.0000 A</td></tr><tr><td>Number:</td><td colspan="6"></td></tr><tr><td>Report:</td><td colspan="6"></td></tr><tr><td>Test no.:</td><td colspan="6"></td></tr><tr><td>Lamp type:</td><td colspan="6"></td></tr><tr><td>Lamp no:</td><td colspan="6">SC.04</td></tr><tr><td>Lamp flux:</td><td colspan="2">0 lm</td><td>Operator:</td><td colspan="3">Qualilab</td></tr><tr><td>Voltage:</td><td colspan="2">12.7300 V</td><td>Date:</td><td colspan="3">30/04/2026 16:37:13</td></tr><tr><td>Current:</td><td colspan="2">4,00000 A</td><td>File:</td><td colspan="3">LARES 571-QL26 SC.04 (IEN 7121) max E 2026 4.0000 A</td></tr><tr><td>Comment:</td><td colspan="6">Keysight U1253B sn MY61060043</td></tr></table> <table><tr><th colspan="7">max E scan</th></tr><tr><th>Function</th><th>Mean</th><th>Max</th><th>I [cd]</th><th>H [°]</th><th>V [°]</th><th>N.O.K.</th></tr><tr><td>2L to 2R - 2D to 2U (0.10)</td><td>0</td><td>0</td><td>75,4</td><td>-1,90</td><td>-0,70</td><td></td></tr></table>							Program:						max E scan	max E scan							Name:	LARES 571-QL26 SC.04 (IEN 7121) max E 2026 4.0000 A						Number:							Report:							Test no.:							Lamp type:							Lamp no:	SC.04						Lamp flux:	0 lm		Operator:	Qualilab			Voltage:	12.7300 V		Date:	30/04/2026 16:37:13			Current:	4,00000 A		File:	LARES 571-QL26 SC.04 (IEN 7121) max E 2026 4.0000 A			Comment:	Keysight U1253B sn MY61060043						max E scan							Function	Mean	Max	I [cd]	H [°]	V [°]	N.O.K.	2L to 2R - 2D to 2U (0.10)	0	0	75,4	-1,90	-0,70	
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	Type	SC_04 (IEN 7121)	

ANNEX II CCT measurement with I_A setting

Test method	CIE 15:2018									
Sample identification	571-QL26-S02 SC_04 (IEN 5587)									
Place of testing	Qualilab Srl - Via Trento, 87 - 25020 - Capriano del Colle (BS) - Italy									
Test date	30/04/2026									
Environmental conditions	Temperature 23 °C ± 3 °C									
Instruments	Temperature-humidity datalogger QL-IN-018 Spectrometer QL-IN-111 Multimeter Keysight U1253B sn MY61060043 (Applicant’s instrument)									
Test description	The sample was mounted on the goniometer; correlated color temperature was measured in the optical axis at the current I_A declared and measured with the multimeter provided by the applicant. The sample was set into the pivot point of the goniometer and the optical axis was installed perpendicular to the spectrometer head.									
Test requirements	Not applicable									
VERDICT / RESULT	<table><thead><tr><th>CCT [K]</th><th colspan="2">Chromaticity coordinates</th></tr><tr><th></th><th>x</th><th>y</th></tr></thead><tbody><tr><td>2856</td><td>0,4495</td><td>0,4112</td></tr></tbody></table> <div><div>Log scaleNormedColoredShow measurements: AllActiveZoom to RectangleRESET</div><div><div>Irradiance [W/(sqm*nm)]</div><div></div><div>λ [nm]</div></div><div>λ = 380 nmSpectral irradiance [W/(sqm*nm)] 1,531E-4Spectrum range: 300 to 1000 nm</div></div>	CCT [K]	Chromaticity coordinates			x	y	2856	0,4495	0,4112
CCT [K]	Chromaticity coordinates									
	x	y								
2856	0,4495	0,4112								

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ANNEX III Maximum Illuminance at 10 m with I_A setting

Test method	CIE 70:1987																																																														
Sample identification	571-QL26-S02 SC_04 (IEN 5587)																																																														
Place of testing	Qualilab Srl - Via Trento, 87 - 25020 - Capriano del Colle (BS) - Italy																																																														
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Test description	The sample was mounted (with the support provided by the applicant) on the goniometer and powered with the constant current I_A measured with the multimeter provided by the applicant. The light intensity distribution at 10 m was measured and the maximum light intensity was determined																																																														
Test requirements	Not applicable																																																														
VERDICT / RESULT	<table><tr><td>Program:</td><td colspan="3">max E scan</td></tr><tr><td colspan="4">max E scan</td></tr><tr><td>Name:</td><td colspan="3">LARES 571-QL26 SC.04 (IEN 7121) max E 2024 4.0768 A</td></tr><tr><td>Number:</td><td colspan="3"></td></tr><tr><td>Report:</td><td colspan="3"></td></tr><tr><td>Test no.:</td><td colspan="3"></td></tr><tr><td>Lamp type:</td><td colspan="3"></td></tr><tr><td>Lamp no:</td><td colspan="3">SC.02</td></tr><tr><td>Lamp flux:</td><td>0 lm</td><td>Operator:</td><td>Qualilab</td></tr><tr><td>Voltage:</td><td>12,9150 V</td><td>Date:</td><td>30/04/2026 17:01:16</td></tr><tr><td>Current:</td><td>4,07680 A</td><td>File:</td><td>LARES 571-QL26 SC.04 (IEN 7121) max E 2024 4.0768 A</td></tr><tr><td>Comment:</td><td colspan="3">Keysight U1253B sn MY61060043</td></tr></table> <div>max E scan</div> <table><tr><th>Function</th><th>Mean</th><th>Max</th><th>I [cd]</th><th>H [°]</th><th>V [°]</th><th>N.O.K.</th></tr><tr><td>2L to 2R - 2D to 2U (0.10)</td><td>0</td><td>0</td><td>84,3</td><td>-1,95</td><td>-0,30</td><td></td></tr></table>	Program:	max E scan			max E scan				Name:	LARES 571-QL26 SC.04 (IEN 7121) max E 2024 4.0768 A			Number:				Report:				Test no.:				Lamp type:				Lamp no:	SC.02			Lamp flux:	0 lm	Operator:	Qualilab	Voltage:	12,9150 V	Date:	30/04/2026 17:01:16	Current:	4,07680 A	File:	LARES 571-QL26 SC.04 (IEN 7121) max E 2024 4.0768 A	Comment:	Keysight U1253B sn MY61060043			Function	Mean	Max	I [cd]	H [°]	V [°]	N.O.K.	2L to 2R - 2D to 2U (0.10)	0	0	84,3	-1,95	-0,30	
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ANNEX IV

Photographs

