

LED 全塑防水燈管

1. 產品特色：

- 270 度出光 · 超高水平照度
- 全塑管防水設計
- 高光效(120 lm/w)
- 完整認證: CE, LVD, BSMI, CNS 15438

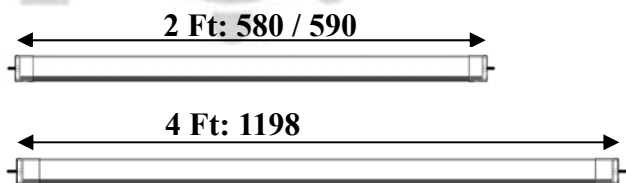


2. 產品規格：

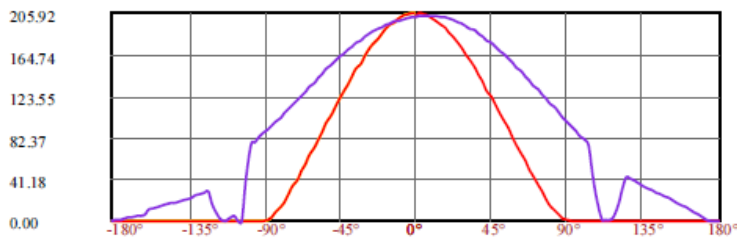
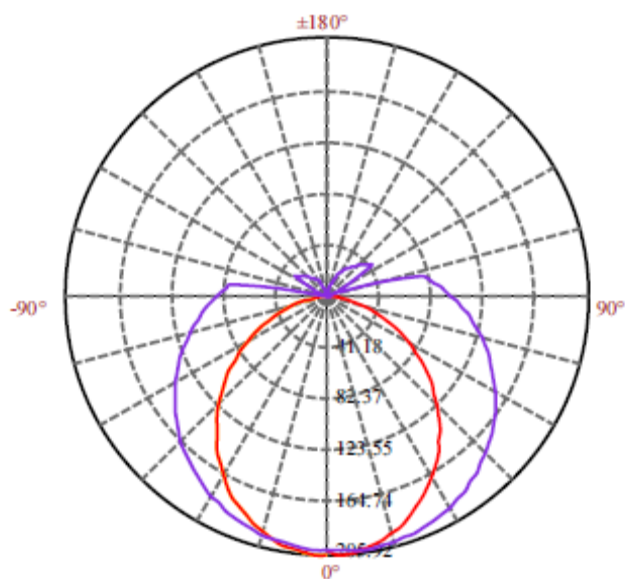
產品名稱	LED 燈管	
型號	TLN21000-000x	TLN42000-000x
長度	二呎	四呎
消耗功率	10 W	20W
光通量(正白)	3000K: 900lm 4000K: 1000lm 6000K: 1100lm	3000K: 2200lm 4000K: 2300lm 6000K: 2400lm
照度@一米	250 Lux	400 Lux
演色性(Ra)	75 Ra	
光色	正白(6000K)/太陽光(4000K)/暖白(3000K)	
光罩	霧面	
出光角度	270°	
輸入電壓	100~240 VAC / 50~60Hz	
功率因素	0.9@110V, 0.85@230V	
運作溫度	0 ~ 40 °C	
儲存溫度	-20 ~ 60 °C	
產品設計壽命	40,000 小時	
重量	2 呎 – 150g, 4 呎 – 200g	
防水	選配(燈頭上防水膠)	
保固	2 年	

備註：相關規格數據皆有正負 10%的測量誤差容許值。如消耗功率、光通量、照度、色溫、演色性等。

3. 外觀尺寸圖：



4. 配光曲線(2 呎)：

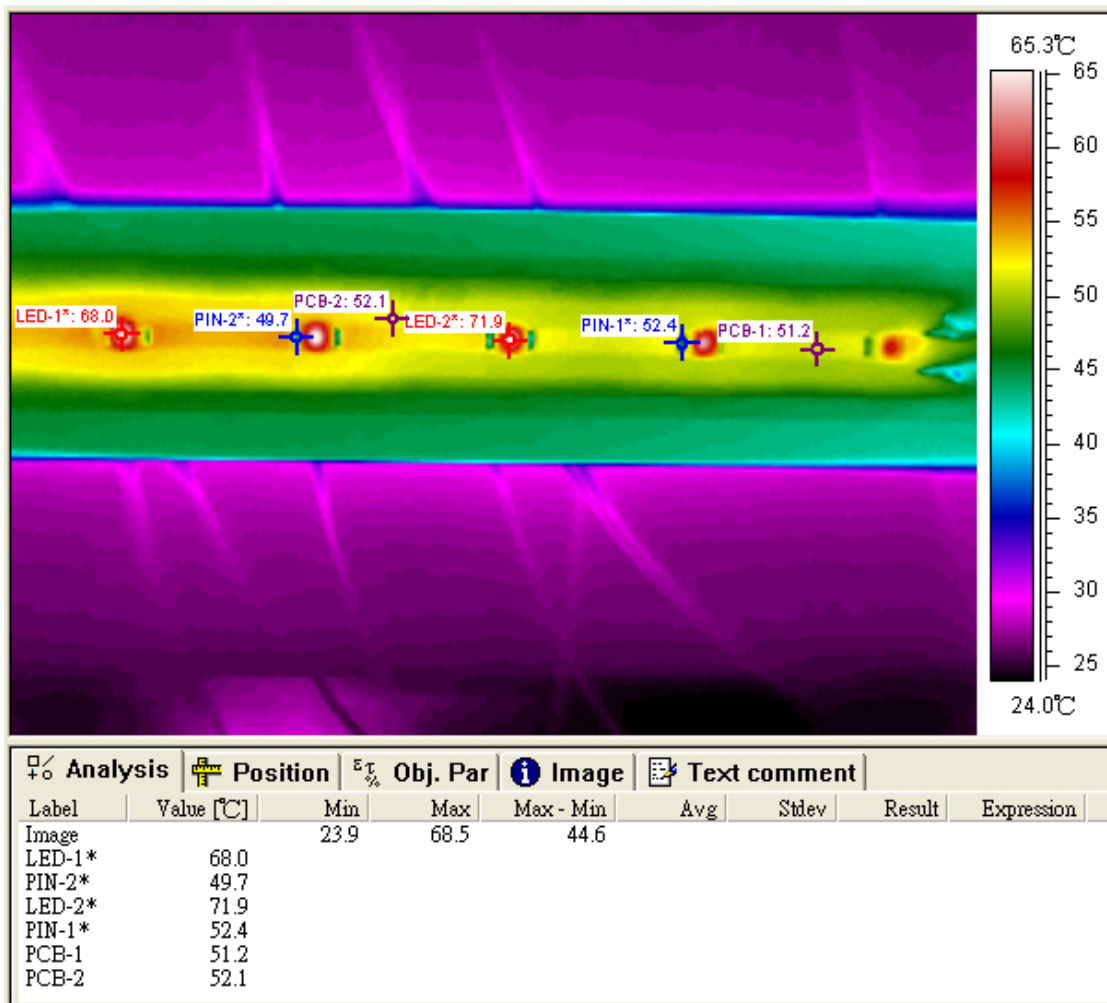


5. 包裝資訊：



LanYang Optics Co., Ltd.
No.9, Ln. 15, Xiangcheng Rd., Dongshan Township,
Yilan County 269, Taiwan (R.O.C.)
Tel: +886-3-9596071 Fax: +886-3-9596797

6. 熱顯像溫度分布圖：



7. 光衰測試資料：

Date(2012~2013)	Aug. 15	Nov. 21	Dec. 18	Jan. 15	Feb. 6
Burning Time(Hours)	0	2352	3000	3672	4200
Initial(%)	100.00%	98.37%	98.47%	97.14%	100.76%
Thermal Equilibrium(%)	100.00%	98.50%	98.23%	97.16%	100.59%
Luminance Flux (Initial)	1961 lm	1929 lm	1931 lm	1905 lm	1976 lm
Luminance Flux (Thermal Equilibrium)	1866 lm	1838 lm	1833 lm	1813 lm	1877 lm
Wattage(W)	20.57	20.6	20.6	20.6	20.6

PS.




1. Each LED Current@95mA
2. Ambient Temperature is 42°C

8. 產品照片：



10. CE 認證：

10.1 EMC

	
VERIFICATION OF COMPLIANCE	
This Verification of Compliance is hereby issued to the product designated below.	
Product	LED Tube
Model	TLNxxxx00-xxxx (Please refer to appendix)
Trade Name	LYO
Applicant	LanYang Optics No.9, Ln. 15, Xiangcheng Rd., Dongshan Township, Yilan County 269, Taiwan (R.O.C.)
Applicable Standard(s)	EN 55015:2006 + A2:2009 EN 61000-3-2:2006+ A2:2009 EN 61000-3-3:2008 EN 61547:2009, including IEC 61000-4-2:2008 IEC 61000-4-3:2006 + A1:2007 + A2:2010 IEC 61000-4-4:2004 + A1:2010 IEC 61000-4-5:2005 IEC 61000-4-6:2008 IEC 61000-4-8:2009 IEC 61000-4-11:2004
Reference No.	T130415D05-E
Test Laboratory	Compliance Certification Services Inc. (Hsin-Chu Lab) NO. 989-1 Wen Shan Rd., Shang Shan Village, Qionglin Shiang Hsinchu County 30741, Taiwan, R.O.C Tel: +886-3-5921698 / Fax: +886-3-5921108
<p>This device has been tested and found to comply with the stated standard(s), which is(are) required by the Council Directive of 2004/108/EC. The test results are indicated in the test report and are applicable only to the tested sample identified in the report.</p>	
 Michael Yu / Lab. Manager	
 程智科技股份有限公司 Compliance Certification Services Inc.	

10.2 Safety *選配



SUPERIOR PRODUCT CONSULTING, INC.

3F, No. 10, Alley 6, Lane 235, Pao Chiao Rd., Hsien Tien, New Taipei City, Taiwan

TEL:02-29174137 FAX:02-29184517



CERTIFICATION OF CONFORMITY

According to the LVD Directive 2006/95/EC

Type of Product.....: LED Tube

Model Designation: TLNX1X200-X30X4X5

X1 can be 1 (1 Ft), 2 (2 Ft), 3 (3 Ft), 4 (4 Ft),
5 (for marketing purpose) for tube length.

X2 can be 07 (7W), 10 (10 W), 15 (15 W), 20
(20 W) for power consumption.

X3, X4, X5 can be 0-9 or A-Z or blank for
marketing purpose.

Manufacturer's Name.....: LanYang Optics Co. LTD

Manufacturer's Address: No.9, Ln. 15, Xiangcheng Rd., Dongshan
Township, Yilan County 269, Taiwan (R.O.C.)

Report Reference No.: SPCLVD 1304047

The above equipment was tested by Superior Product Consulting Inc., for compliance with the requirements set forth in the LVD Directive 2006/95/EC and the technical standards mentioned below. The results of testing in the report apply only to the product which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

IEC62560:2011, draft IEC62560 Annex C

EN61347-2-13: 2006, EN60598-1: 2008

EN62471-1: 2008; IEC62471: 2009 , EN61195:1999

11. CNS (帶燈具) :

經濟部標準檢驗局
BUREAU OF STANDARDS METROLOGY AND INSPECTION
MINISTRY OF ECONOMIC AFFAIRS

TAF
PRODUCT CERTIFICATION

商品驗證登錄證書
CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼： C1382069790014 號 00
Certificate No.

茲據 **德泰光電科技有限公司** 申請驗證登錄，經審查結果符合規定，准予登錄並使用商品安全標章及識別號碼：**R38979**。其登錄事項如下：
The application made by **德泰光電科技有限公司** for Registration of Product Certification has been reviewed and found to be in compliance with related regulations. Therefore, registration is granted with the Product Safety Mark and the Identification No. **R38979**. Details of the registration are follows:

申請人：德泰光電科技有限公司 統一編號：53226576
Applicant: **德泰光電科技有限公司** Uniform No. **53226576**

地址：新北市板橋區大觀路3段01號
Address: **新北市板橋區大觀路3段01號**

生產廠場：蘭陽光電有限公司
Factory: **蘭陽光電有限公司**

廠址：宜蘭縣冬山鄉香城路15巷9號
Factory Address: **宜蘭縣冬山鄉香城路15巷9號**

商品種類名稱：
Type/name of product

商品分類號列：9405.40.00.00.6-B
C.C.C Code

中文名稱：LED 2 呎隱網架燈具
Chinese name

英文名稱：N/A
English name

型式：CLN40002-0005
Type

系列型式：CLN30002-0005(以下空白)
Series of the type

依據標準：CNS14115 (93年版)、CNS14335 (88年版)、IEC60598-2-2 (1979)
Standards

標準檢驗局北所屬分局發證
(本證書經驗證機關使用鋼印後生效)
This certificate shall be issued by the BSMI or its branches.
(This certificate will become effective only when stamped with the BSMI seal.)

登錄日期：中華民國	102	年	12	月	16	日
Registration Date	2013	(year)	12	(month)	16	(day)
本證書有效期限至	105	年	12	月	15	日
Expiration Date	2016	(year)	12	(month)	15	(day)
發證日期：中華民國	102	年	12	月	16	日
Date of issue	2013	(year)	12	(month)	16	(day)

註1：持本證書進口驗證登錄商品時，進口人須與本證書名義人相同。
註2：次年度商品驗證登錄年費繳納期限為當年11月30日，逾期未繳納者，經限期繳納屆期未繳納，即依商品檢驗法第42條第7款規定廢止驗證登錄，並自次年度1月1日起生效。

527

經濟部標準檢驗局
BUREAU OF STANDARDS METROLOGY AND INSPECTION
MINISTRY OF ECONOMIC AFFAIRS

TAF
PRODUCT CERTIFICATION

商品驗證登錄證書
CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼： C1382069790025 號 00
Certificate No.

茲據 **德泰光電科技有限公司** 申請驗證登錄，經審查結果符合規定，准予登錄並使用商品安全標章及識別號碼：**R38979**。其登錄事項如下：
The application made by **德泰光電科技有限公司** for Registration of Product Certification has been reviewed and found to be in compliance with related regulations. Therefore, registration is granted with the Product Safety Mark and the Identification No. **R38979**. Details of the registration are follows:

申請人：德泰光電科技有限公司 統一編號：53226576
Applicant: **德泰光電科技有限公司** Uniform No. **53226576**

地址：新北市板橋區大觀路3段91號
Address: **新北市板橋區大觀路3段91號**

生產廠場：蘭陽光電有限公司
Factory: **蘭陽光電有限公司**

廠址：宜蘭縣冬山鄉香城路15巷9號
Factory Address: **宜蘭縣冬山鄉香城路15巷9號**

商品種類名稱：
Type/name of product

商品分類號列：9405.40.00.00.6-B
C.C.C Code

中文名稱：LED 4 呎山型燈具
Chinese name

英文名稱：N/A
English name

型式：CLN200M4-0005
Type

系列型式：CLN100M4-0005(以下空白)
Series of the type

依據標準：CNS14115 (93.9.27)、IEC60598-2-1 (1979)、CNS14335 (88.8.4)
Standards

標準檢驗局北所屬分局發證
(本證書經驗證機關使用鋼印後生效)
This certificate shall be issued by the BSMI or its branches.
(This certificate will become effective only when stamped with the BSMI seal.)

登錄日期：中華民國	102	年	12	月	13	日
Registration Date	2013	(year)	12	(month)	13	(day)
本證書有效期限至	105	年	12	月	12	日
Expiration Date	2016	(year)	12	(month)	12	(day)
發證日期：中華民國	102	年	12	月	13	日
Date of issue	2013	(year)	12	(month)	13	(day)

註1：持本證書進口驗證登錄商品時，進口人須與本證書名義人相同。
註2：次年度商品驗證登錄年費繳納期限為當年11月30日，逾期未繳納者，經限期繳納屆期未繳納，即依商品檢驗法第42條第7款規定廢止驗證登錄，並自次年度1月1日起生效。

526

11. CNS (單燈管 – 15438) :

試驗報告首頁 COVER PAGE FOR TEST REPORT

產品名稱 Product:	LED 燈管
型號 Model/Type Reference:	TLN21000, TLN42000
產品規格 Rating(s):	100-240Vac 48V, 150mA for Model TLN21000 48V, 350mA for Model TLN42000
量測規範 Standards:	CNS 15438: 99 年版
申請者 Applicant Name	蘭陽光電有限公司
申請者地址 Applicant Address:	宜蘭縣冬山鄉香城路 15 巷 9 號
試驗結果 Result:	合格 Pass
本試驗報告包含以下部份 This Report includes the following parts, in addition to this cover page:	
<ol style="list-style-type: none">1. 條文裁定2. 關鍵性零組件3. 測試結果4. 附件	

“鼎安科技股份有限公司”在此證明上述待測設備樣品，已在本公司的標準測試場地完成量測。報告中所描述之測試結果和待測設備的架構組合，均根據實際量測情況作詳實的記錄。

此份報告結果只適用於上述接受量測那台樣機及報告內敘述之配備。此份報告未經鼎安科技股份有限公司書面同意，不得部分複製。

This is to certify that representative samples of the products covered by this Test Report have been investigated by “Superior Product Consulting, Inc.” in accordance with the above referenced Standards. The products have been found to comply with the requirements.

This report shall not be reproduced, except in full, or with the written approval of “Superior Product Consulting, Inc.”.

製作者 Test Report By:



林宜芃
Amy Lin

審核者 Reviewed By:



黃文隆
Allen Huang