



# LED 全塑燈管



## 1. 產品特色：

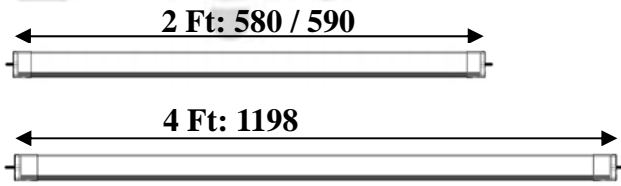
- 270 度出光
- 全塑管防水設計(選配)
- 超高光效(130 Lm/W)
- LED with IP (Intelligent Property)
- LED 通過 LM80 測試
- CE & LVD
- 超輕重量：四呎 200g, 八呎 400g

## 2. 產品規格：

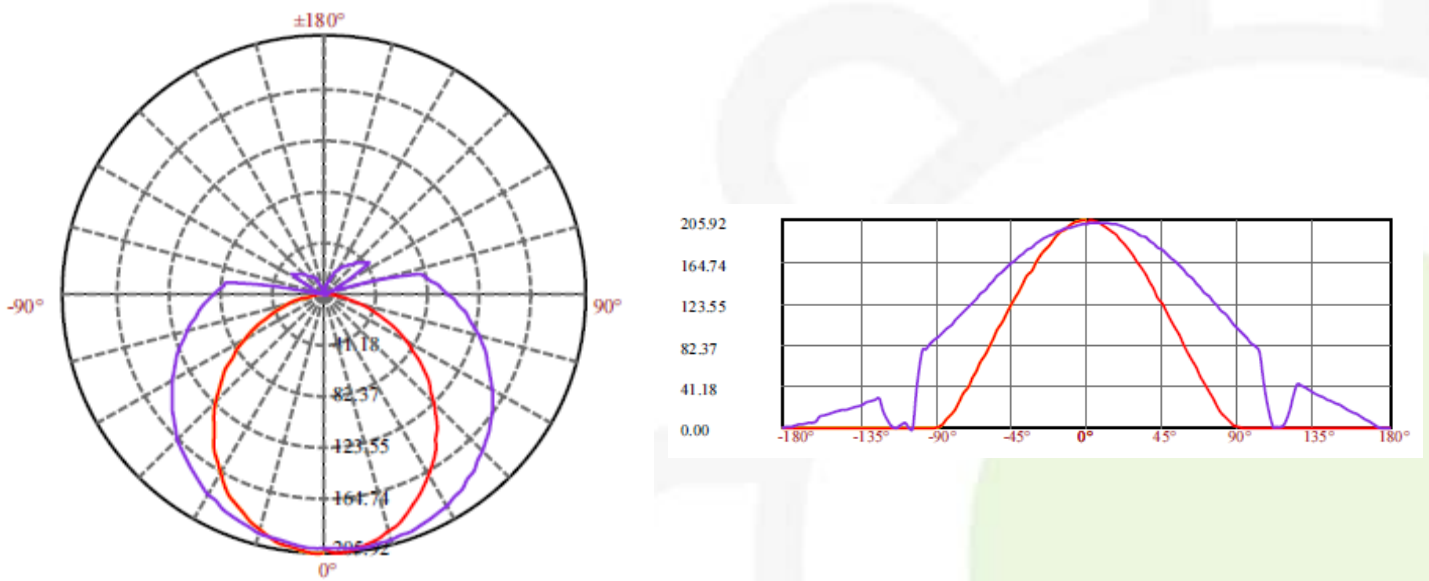
產品名稱	LED 燈管	
型號	TLN42000-100x	TLN84000-100x
消耗功率	20W	40W
光通量(正白)	2600 lm	4800 lm
照度@一米	500 Lux	600 Lux
光罩	霧面	
出光角度	270°	
光色	正白(5600~6000K)/太陽光(4000K)/暖白(3000K)	
演色性(Ra)	接近 90 Ra	
輸入電壓	100~240 VAC / 50~60Hz	
功率因素	0.9@110V, 0.85@230V	
運作溫度	0 ~ 40 °C	
儲存溫度	-20 ~ 60 °C	
產品設計壽命	40,000 小時	
重量	四呎: 200g 八呎: 400G	
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：

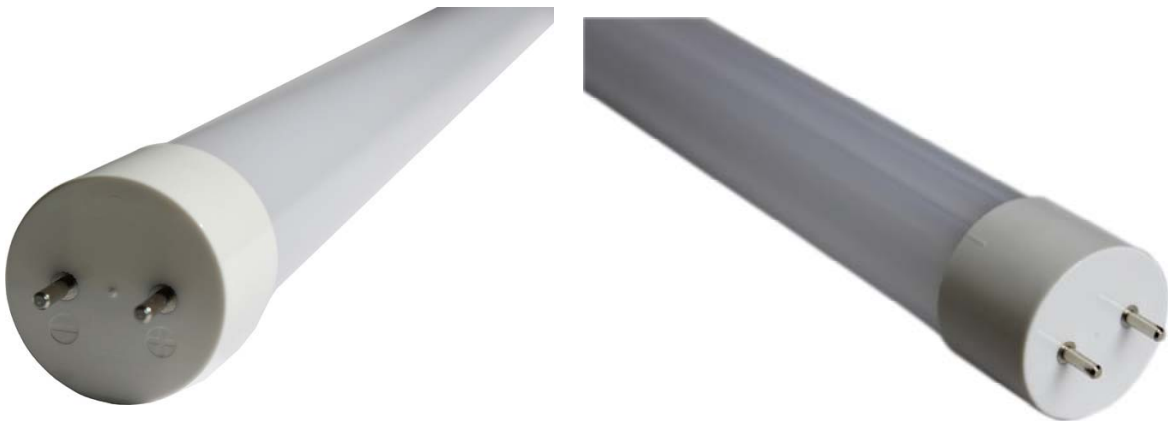


**LanYang Optics Co., Ltd.**  
No.9, Ln. 15, Xiangcheng Rd., Dongshan Township,  
Yilan County 269, Taiwan (R.O.C.)  
Tel: +886-3-9596071 Fax: +886-3-9596797

## 6. LM80 測試資料：

NO	PKG Info.	CCT [K]	Current [mA]	Ts [°C]		Date & Last Results						
						0	1000	2000	3000	4000	5000	6000
#1		2700	65	55	Average Flux Maintenance	100.0%	100.0%	100.5%	100.5%	101.8%	101.4%	
					Average Chromaticity Shift ( $\Delta u'v'$ )	0.0000	0.0008	0.0010	0.0011	0.0009	0.0009	
				85	Average Flux Maintenance	100.0%	99.3%	99.7%	99.4%	100.5%	99.9%	
					Average Chromaticity Shift ( $\Delta u'v'$ )	0.0000	0.0010	0.0012	0.0014	0.0013	0.0013	
				95	Average Flux Maintenance	100.0%	98.7%	98.9%	98.4%	99.4%	98.4%	
					Average Chromaticity Shift ( $\Delta u'v'$ )	0.0000	0.0010	0.0013	0.0015	0.0015	0.0015	
#2	5630HE	2700	120	55	Average Flux Maintenance	100.0%	100.5%	101.0%	100.6%	101.3%	100.4%	
					Average Chromaticity Shift ( $\Delta u'v'$ )	0.0000	0.0011	0.0014	0.0015	0.0014	0.0015	
				85	Average Flux Maintenance	100.0%	99.9%	100.1%	99.7%	100.6%	99.6%	
					Average Chromaticity Shift ( $\Delta u'v'$ )	0.0000	0.0011	0.0014	0.0016	0.0015	0.0014	
				95	Average Flux Maintenance	100.0%	98.9%	99.0%	98.3%	99.1%	97.9%	
					Average Chromaticity Shift ( $\Delta u'v'$ )	0.0000	0.0012	0.0015	0.0017	0.0016	0.0016	
#3		2700	150	55	Average Flux Maintenance	100.0%	100.7%	100.9%	100.3%	100.9%	100.0%	
					Average Chromaticity Shift ( $\Delta u'v'$ )	0.0000	0.0012	0.0015	0.0017	0.0016	0.0017	
				85	Average Flux Maintenance	100.0%	99.8%	99.9%	99.4%	100.2%	99.3%	
					Average Chromaticity Shift ( $\Delta u'v'$ )	0.0000	0.0012	0.0015	0.0017	0.0016	0.0015	
				95	Average Flux Maintenance	100.0%	99.1%	99.1%	98.2%	99.0%	97.6%	
					Average Chromaticity Shift ( $\Delta u'v'$ )	0.0000	0.0012	0.0015	0.0017	0.0016	0.0016	

## 7. 產品照片：



## 8. LG 免責聲明：



To: Future Electronics

Re: With regard to Patent Indemnity

Dear Sir or Ma'am

Thank you for considering our LED packages, modules, and engines products ("Products").

We, LG Innotek Co., Ltd. represent and warrant that to the best of our knowledge, the Products manufactured by us and purchased by you from us do not infringe any patent of a third party.

We will defend you against any third-party action, claim, or legal proceeding to the extent that these include a claim that the Products supplied by us directly infringe a third party's patent. We will also indemnify for damages and costs awarded by final judgment or settled and paid by you in such action, claim, or legal proceeding to the extent we are directly and solely attributable to such infringement up to the total amount of the purchase price of the Products, provided that (i) you agree to promptly notify us of any such claim; (ii) you agree to authorize us the right to defend and settle such action, claim, or legal proceeding; (iii) upon our request, you agree to provide us with all reasonable assistance and information related to the defense or settlement of such action, claim, or legal proceeding; and (iv) you do not enter into any settlement that imposes any liability or obligations on us without our prior written consent.

In the event that a court holds or arbitrator(s) decides that a Product is infringing, we may, at our option and sole expense, (i) modify such Product (in a reasonable manner) to be non-infringing; (ii) obtain a license (at no additional expense to you) for you to use such Product; or (iii) replace such Product with the non-infringing Product which will be substantially equivalent to the infringing Product.

Please be informed that we are not liable for any litigation, claim, or other dispute arising from (i) any modification made to the Products by anyone other than us; (ii) our compliance with the specifications or designs, if any, requested or provided by you; or (iii) the operation or use of any Products in combination with other hardware or software not furnished by us.

We appreciate your interest in our Products and we look forward to doing business with you.

Sincerely Yours,


Signed for and on behalf of  
LG Innotek Co., Ltd.

Signature : \_\_\_\_\_

Name : \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

  
Harry Kang  
Vice president  
April 3 2012

## 9. CE 認證：

### 9.1 EMC

	
<b>VERIFICATION OF COMPLIANCE</b>	
<b>This Verification of Compliance is hereby issued to the product designated below.</b>	
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.	

9.2 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