

Lextar

The Corporation

Lextar Electronics Corporation is a global leader in LED (Light Emitting Diode) solutions with a strategic advantage of integrating upper stream epitaxial, middle stream chip, downstream package and LED lighting applications. Founded in May 2008, Lextar is a subsidiary of AU Optronics, the leading TFT-LCD and solar PV manufacturer. With over 1,500 patents worldwide, Lextar is an innovator of product applications, which include: LCD backlights, luminaire, and various lighting solutions. To further stretch its market advantage, Lextar acquired LightHouse Technology Inc. in March 2010 and Wellpower Optronics in February 2013. It currently has 3 manufacturing plants in Taiwan, and 1 in Suzhou China, Lextar's revenue in 2012 reached US\$ 340 million; it was one of the few LED companies that kept growing in both 2011 and 2012, testament to the organizations strength and strategy.



- **Headquarters**
Hsinchu Science Park,
Taiwan
- **Capital**
\$177 million USD
- **Number of Employees**
over 3,800 (as of Sep. 2013)
- **Products**
LED Chip
LED Package for Backlight and Lighting
LED Lighting product
LED Light Module and Solution

● **Annual Revenue**



The Fab

Lextar's strategic geographic location of its Fabs and manufacturing in China and Taiwan facilities means it profits from economies of scale.

Lextar's state-of-the-art LED manufacturing sites are located in Hsinchu Science Park, Hukou and Chunan in Taiwan, and Suzhou in mainland China.

The production lines include epitaxy, chip, package, SMT and lighting product assembly.

TAIWAN

Hsinchu Site T01 Headquarters Epi / Chip / R&D Center	Hukou Site T03B PKG	Chunan Site T05 PKG
--	------------------------	------------------------

CHINA

Suzhou Industrial Park S01 PKG/ SMT/ Light Module & Product Assembly/ R&D Center

LED package wire bonding



LED burn-in test



LM-79 and LM-80 accreditation LAB



R&D

Lextar is associated with rapid technological improvements because of its leadership in LED R&D. Lextar invests substantially in R&D in LED Epi, Chip, package process as well as T.E.M.P. technology (thermal, electrical, mechanical, photometric). As of June 2013, Lextar had over 1,500 patents (including granted and filed) in the US, Japan, Europe, Germany, Korea, China and Taiwan.

Quality

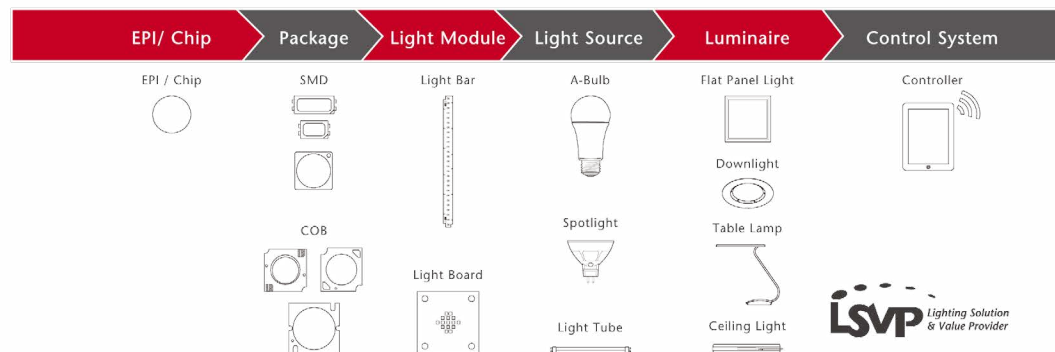
Lextar's difference is that its quality is both world-class, and consistently flawless. Lextar's lighting luminaires meet the global qualification standards of: UL, CE, RoHS and more. Light modules meet the LM-80 standard. In addition, the Photometric Lab, part of Lextar Research Center, was certified with both LM-79 and LM-80. It is no wonder that Lextar is the choice of leading international brands.

LM-80 is a Lumen Maintenance assurance for LED packages. LED packages are lit on at multiple temperatures for over 6,000 hours (250 days) without lumen output depreciation. Lextar has its own global certified LM-80 lab that can guarantee the quality of its own LED packages.

LM-79 is the industry standard procedure for photometric and electrical measurements for LED lighting products. Lextar's Photometric Lab was awarded LM-79 accreditation. Further proof that Lextar remains a reliable resource in energy saving lighting, and of the company's commitment to delivering LED solutions with globally competitive photometric and lumen maintenance performances.

Vertical Integration

Lextar's unique LED vertical integration offers customers the assurance of a consistent supply chain with on-time delivery. Lextar's start to end control means the right product design: no over design from chip, package, module to finished luminaires. The company enjoys superior economies of scale and lower production costs because it eliminates costs in each production step. Lextar also has the advantage of efficiencies by controlling the quality at each stage – reinforcing its LSPV advantage.



LED Tube

T8 - Standard

Overview

Lextar's LED light tube features high lumen output and high efficiency. The simple and robust design is suitable for office and commercial lighting, especially grid fixture and batten. We offer various lengths for commercial and consumer applications.

Features

- Direct replacement for traditional tube with starter
- Full plastic tube & lightweight design
- Full range power input
- LED light bar at the bottom to create uniform light
- Power saving comparing with conventional T8 light tube
- Long lifetime: 40,000 hrs

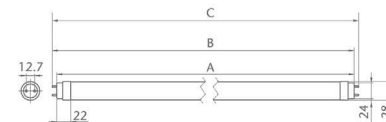


Product Specifications

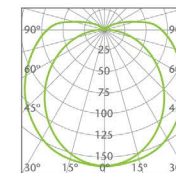
Ordering Code	Length (mm)	Lumen (lm)	CCT (K)	Angle (°)	IP	CRI	Voltage (V)	Power (W)	Efficiency (lm/w)	PF	Base
T802-830-09U-N-SA	590	900	3000	160	20	> 80	100-240	9	100	> 0.9	G13
T802-840-09U-N-SA	590	1000	4000						110		
T802-865-09U-N-SA	590	1000	6500						110		
T804-830-18U-N-SA	1198	1800	3000	160	20	> 80	100-240	18	100	> 0.9	G13
T804-840-18U-N-SA	1198	2000	4000						110		
T804-865-18U-N-SA	1198	2000	6500						110		
T805-830-24U-N-SA	1498	2385	3000	160	20	> 80	100-240	24	100	> 0.9	G13
T805-840-24U-N-SA	1498	2650	4000						110		
T805-865-24U-N-SA	1498	2650	6500						110		

Mechanical Drawings (mm)

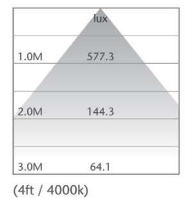
Module Size	Dimension A			Dimension B		Dimension C
	Min.	Typ.	Max.	Min.	Max.	Max.
2ft	587.6	588.7	589.8	594.5	596.9	604
4ft	1197.2	1198	1199.4	1204.1	1206.5	1213.6
5ft	1497.8	1498.6	1500	1504.7	1507.1	1514.2



Photometric



Lux Diagram(Δ)



LED Tube

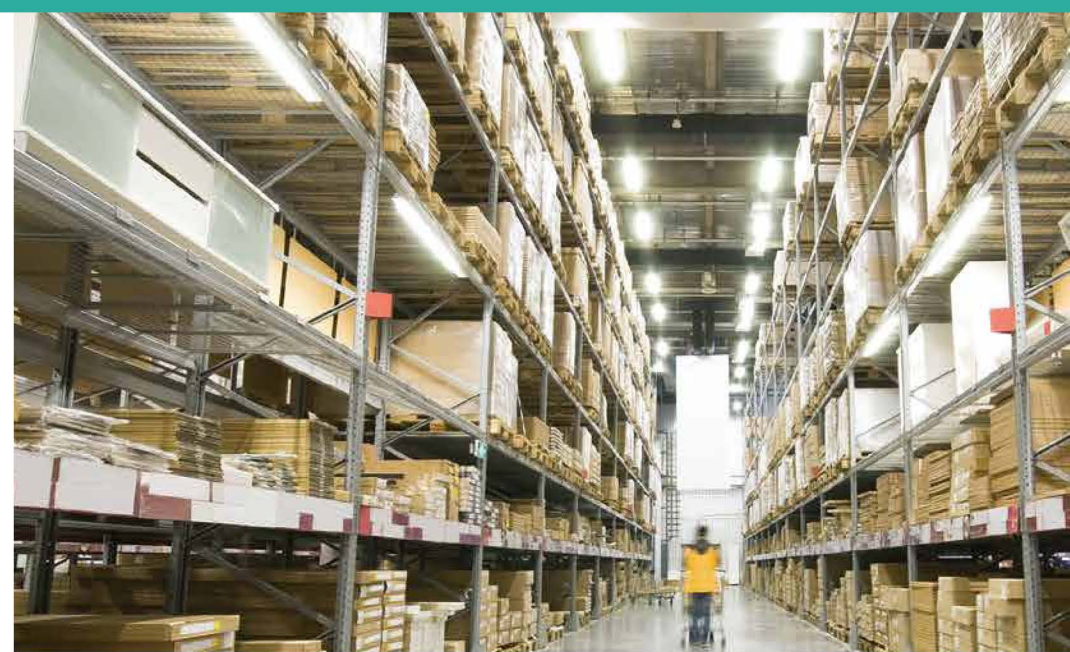
T8 - Premium

Overview

Lextar's LED light tube (premium type) features ultra high brightness of over 3000 lumen (5ft) and high efficacy (125 lm/W). The simple and robust design is suitable for commercial lighting that requires high brightness. We offer various lengths for all applications.

Features

- Ultra high efficiency: 125lm/W
- Ultra high lumen output 3000 lm @5ft
- Direct replacement for traditional tube with starter
- Full plastic tube & lightweight design
- LED light bar at the bottom to create uniform light
- Full range power input
- Long lifetime: 40,000 hrs

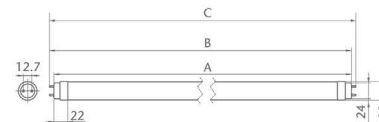


Product Specifications

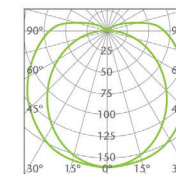
Ordering Code	Length (mm)	Lumen (lm)	CCT (K)	Angle (°)	IP	CRI	Voltage (V)	Power (W)	Efficiency (lm/w)	PF	Base
T802-830-09U-N-PA	590	990	3000	160	20	> 80	100-240	8.8	113	> 0.9	G13
T802-840-09U-N-PA	590	1100	4000						125		
T802-865-09U-N-PA	590	1100	6500						125		
T804-830-18U-N-PA	1198	2025	3000	160	20	> 80	100-240	18	113	> 0.9	G13
T804-840-18U-N-PA	1198	2250	4000						125		
T804-865-18U-N-PA	1198	2250	6500						125		
T805-830-24U-N-PA	1498	2700	3000	160	20	> 80	100-240	24	113	> 0.9	G13
T805-840-24U-N-PA	1498	3000	4000						125		
T805-865-24U-N-PA	1498	3000	6500						125		

Mechanical Drawings (mm)

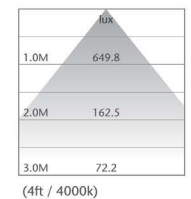
Model Size	Dimension A			Dimension B		Dimension C
	Min.	Typ.	Max.	Min.	Max.	Max.
2ft	587.6	588.7	589.8	594.5	596.9	604
4ft	1197.2	1198	1199.4	1204.1	1206.5	1213.6
5ft	1497.8	1498.6	1500	1504.7	1507.1	1514.2



Photometric



Lux Diagram (Δ)



LED Tube

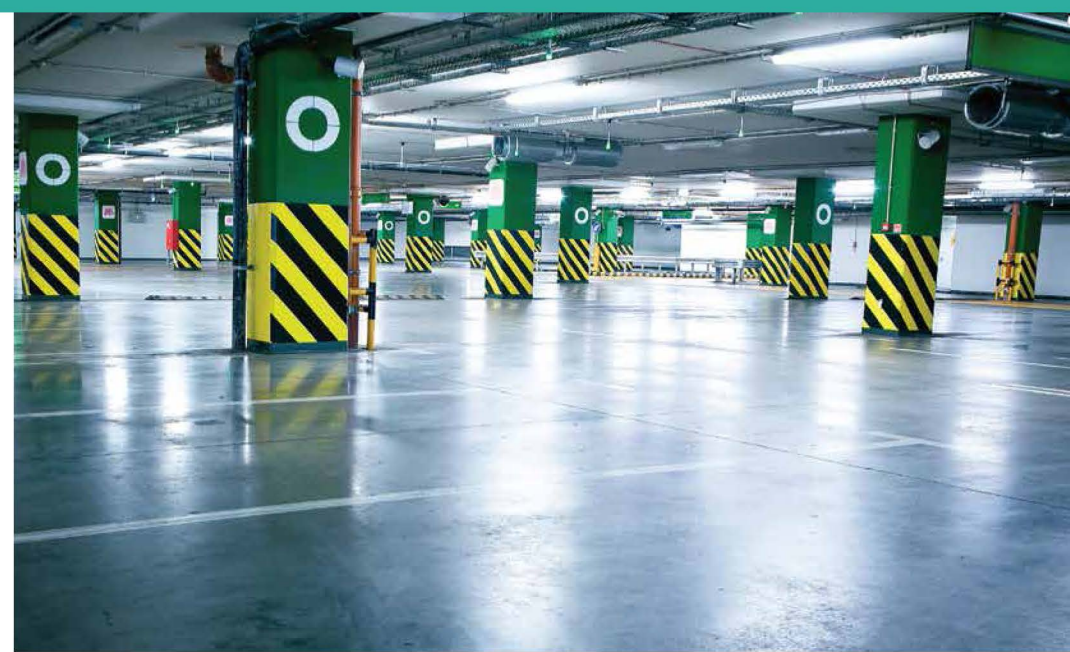
T8 - Economic

Overview

Lextar's LED light tube provides uniform light output with good value. The simple and robust design is suitable for office and commercial lighting, especially grid fixture and batten. We offer various lengths for commercial and consumer applications.

Features

- Direct replacement for traditional tube with good value
- Full plastic tube & lightweight design
- Full range power input
- LED light bar at the bottom to create uniform light
- Long lifetime: 40,000 hrs

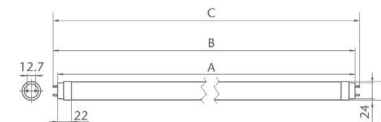


Product Specifications

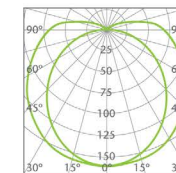
Ordering Code	Length (mm)	Lumen (lm)	CCT (K)	Angle (°)	IP	CRI	Voltage (V)	Power (W)	Efficiency (lm/w)	PF	Base
T802-830-09U-N-CA	590	720	3000	160	20	> 80	100-240	9.6	75	> 0.9	G13
T802-840-09U-N-CA	590	800	4000						83		
T802-865-09U-N-CA	590	800	6500						83		
T804-830-19U-N-CA	1198	1440	3000	160	20	> 80	100-240	19.2	75	> 0.9	G13
T804-840-19U-N-CA	1198	1600	4000						83		
T804-865-19U-N-CA	1198	1600	6500						83		
T805-830-24U-N-CA	1498	1800	3000	160	20	> 80	100-240	24	75	> 0.9	G13
T805-840-24U-N-CA	1498	2000	4000						83		
T805-865-24U-N-CA	1498	2000	6500						83		

Mechanical Drawings (mm)

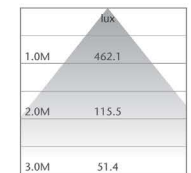
Model Size	Dimension A			Dimension B		Dimension C
	Min.	Typ.	Max.	Min.	Max.	Max.
2ft	587.6	588.7	589.8	594.5	596.9	604
4ft	1197.2	1198	1199.4	1204.1	1206.5	1213.6
5ft	1497.8	1498.6	1500	1504.7	1507.1	1514.2



Photometric



Lux Diagram(Δ)



T5 Batten



Overview

Lexar's LED T5 batten offers seamless continuous light by connecting up to 10 pieces. It performs uniform light with good value. This T5 batten has simple and robust design yet lightweight to ensure safety. We offer various lengths for commercial and consumer applications.

Features

- Creating seamless linear light by connecting up to 10 pieces
- Full plastic housing, safe with good value
- Long lifetime: 40,000 hrs

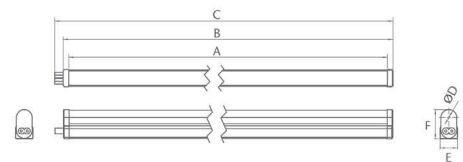


Product Specifications

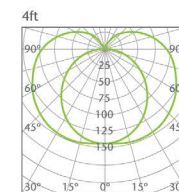
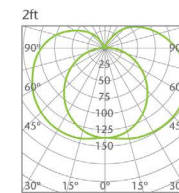
Ordering Code	Length (mm)	Lumen (lm)	CCT (K)	Angle (°)	IP	CRI	Voltage (V)	Power (W)	Efficiency (lm/w)	PF
T5B2-830-10U-N-SA	590	720	3000						72	
T5B2-840-10U-N-SA	590	800	4000	180	20	> 80	220-240	10	80	> 0.9
T5B2-865-10U-N-SA	590	800	6500						80	
T5B4-830-20U-N-SA	1198	1440	3000						72	
T5B4-840-20U-N-SA	1198	1600	4000	180	20	> 80	220-240	20	80	> 0.9
T5B4-865-20U-N-SA	1198	1600	6500						80	

Mechanical Drawings (mm)

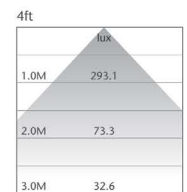
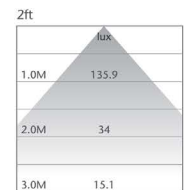
Model Size	2ft			4ft			Tolerance
	Min.	Typ.	Max.	Min.	Typ.	Max.	
A	561.6	562.2	562.8	1161.6	1162.2	1162.8	±0.6
B	573.4	574	574.6	1173.4	1174	1174.6	±0.6
C	584.8	586	587.2	1184.8	1186	1187.2	±1.2
ØD	-	22.6	-	-	22.6	-	-
E	-	25	25.2	-	25	25.2	+0.2
F	-	41.9	-	-	41.9	-	-



Photometric



Lux Diagram(Δ)



Ceres II A-bulb



Overview

Lextar LED bulb features omni-directional light distribution. Its exquisite outline and wide light distribution makes it perfect to be installed in an open luminaire. It carries 40W, 60W and 75W incandescent bulb replacement lineup with good quality and value.

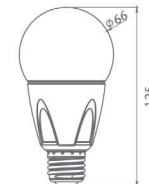
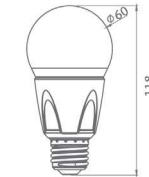
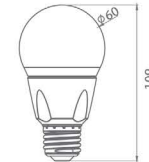
Features

- Omni-directional with wide view angle >260°
- Elegant and stylish design
- High CRI >80
- 100-240V full range voltage input

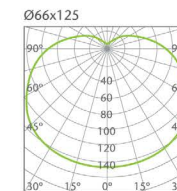
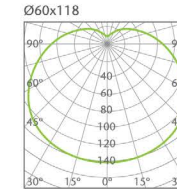
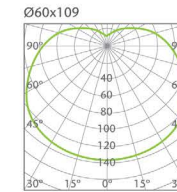
Product Specifications

Ordering Code	Size (mm)	Lumen (lm)	CCT (K)	Angle (°)	IP	CRI	Voltage (V)	Power (W)	Efficiency (lm/w)	PF	Base
PL40-830-07U-N-SA	Ø60x109	485	3000	260	20	> 80	100-240	7	69	> 0.9	E27
PL40-857-07U-N-SA	Ø60x109	5700	5700								
PL60-830-10U-N-SA	Ø60x118	810	3000	260	20	> 80	100-240	10	81	> 0.9	E27
PL60-857-10U-N-SA	Ø60x118		5700								
PL75-830-13U-N-SA	Ø66x125	1100	3000	260	20	> 80	100-240	13	85	> 0.9	E27
PL75-857-13U-N-SA	Ø66x125		5700								

Mechanical Drawings (mm)



Photometric



Lux Diagram(Δ)

