

DATE :
CUSTOMER :

APPROVAL SHEET

PRODUCT	LED TUBE CONVERTER TYPE LAMP
MODEL	SJ-SR240-40C
REVISION DATE	2013 .03.

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SJ HIGHTECH CO.,LTD.			CUSTOMER		
PREPARED	CHECKED	APPROVED			
/	/	/	/	/	/

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SPECIFICATION

製品仕様書

LED TUBE CONVERTER TYPE LAMP (LED蛍光灯)

MODEL : SJ-SR240-40C

PRODUCT

LED TUBE CONVERTER TYPE LAMP (LED蛍光灯)

DATE	DECD	APPD	MODEL	SHEET	REV.
			SJ-SR240-40C	1	1

1. 製品の特性

- ・ 防水型
- ・ 放熱対策で設計した回路とLED配置
- ・ 既存のG13口金
- ・ 最適な光拡散で眩しさ解消

2. 製品基本仕様

2-1 .照明仕様

No	項目 (ARTICLE)	規格(SPECIFICATIONS)	備考
1	定格電圧(V)	DC 35.5Vdc	
2	定格電流(A)	1.1A(2つモジュール総合)	0.55A @1channel
3	定格電力(W)	39.6W	ランプの消費電力測定値
4	外部寸法(mm)	2367×28φ,CAP(31φ)	[mm] (公差 : ± 1.5mm)
5	重量(Kg)	380g	± 0.2 [g]
6	色温度(K)	2,700K~5,200 K	
7	演色性(Ra)	Ra>75	
8	光束(lm)	4,920 lm	
9	光効率(lm/W)	123 lm/W	
10	照射角(°)	270 Degree	
11	動作温度(°C)	-20[°C] ~ +40[°C]	
12	保管温度(°C)	-40[°C] ~ +85[°C]	
13	電源	外付型	
14	Base Type	G13 or R17D	
15	Life Time(hr)	30,000 hr	
16	電源接続方式	無極性、右左独立電源	

PRODUCT

LED TUBE CONVERTER TYPE LAMP (LED蛍光灯)

DATE	DECD	APPD	MODEL	SHEET	REV.
			SJ-SR240-40C	2	1

2-2. SMPS 仕様

No	ITEM	SPEC
1	INPUT	VOLTAGE
2		95Vac-265Vac
3		POWER FACTOR
4		100V@ 99%, 220V@95%
5		VA
6	OUTPUT	FREQUENCY
7		50/60 Hz, 1PHASE
8		EFFICIENCY
9	WRRANTY	MORE THAN 85%
		CURRENT
		0.55A - 2 OUTPUT
		VOLTAGE
		34 ~ 40Vdc
		WATTAGE
		39W
		2 YEARS

PRODUCT

LED TUBE CONVERTER TYPE LAMP (LED 蛍光灯)

DATE	DECD	APPD	MODEL	SHEET	REV.
			SJ-SR240-40C	3	1

2-3 .LED PKG 仕様

LED PKG Information	製造社	LUMIMICRO, ILJIN LED
	Type	Top View LED-SMD 5050(1.6T)
	数量	240pcs

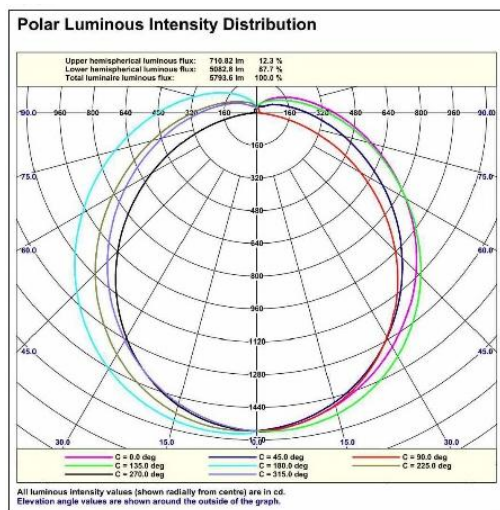
2-4 . 材質

Base Material	Polycarbonate
Sub Material	FR-4 PCB And PC Side cap

2-5 . 製品外観



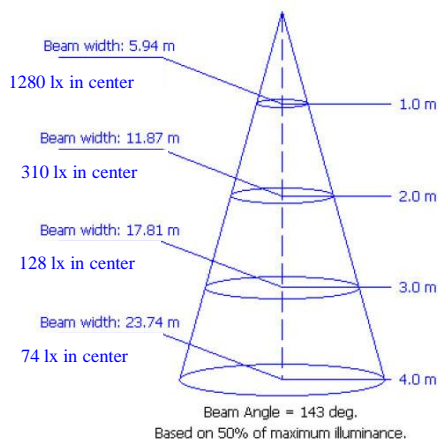
2-6 . 配光データ



<Polar Distribution>

2-7 . 直下照度

Illuminance Cone Diagram



PRODUCT

LED TUBE CONVERTER TYPE LAMP (LED蛍光灯)

DATE	DECD	APPD	MODEL	SHEET	REV.
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3. 梱包及び表示

3-1. 梱包

- (1) 運送または取り扱い中発生する外部の衝撃から製品を保護するため、梱包の時製品の front と裏側に緩衝材を入れて梱包する。
- (2) 個別箱に梱包後、大きい箱に梱包する。

3-2. 表示

次の事項を ランプや包装の見やすいところに容易に消えない方法で はっきり表示しなければならない。

- (1) メーカー名またはその略号
- (2) 定格電圧(V)
- (3) 定格電流(A)
- (4) 定格電力(W)
- (5) 定格光束(lm)
- (6) 光効率(lm/W)
- (7) 色温度(k)
- (8) 点灯角度がある場合、方向。
- (9) 注意事項
- (10) 製造年月
- (11) AS連絡先

4. 注意事項

- (1) 本製品は電源外付型 LEDランプです。 専用電源を使って下さい。
- (2) 一般蛍光灯の安定器に使わないで下さい。
- (3) 勝手に製品を分解したり改造しないでください。
- (4) 製品を落としたり衝撃を与えないでください。
- (5) 本製品は屋内用です。屋外に使用しないでください。
- (6) 故障時、当社A/Sセンターに連絡してください。

5. 保証

5-1. 無償保証

納品完了後 3年以内の障害(設計、製造上の不良)発生時修正、補完または再供給する。

5-2. 有償保証

- (1) 使用者の取扱不注意による故障時(製品の落下 並びに衝撃, 容量超過使用など).
- (2) 火災, 水害などのその他天災地変による故障時.
- (3) 納品完了後の 運送による故障や損傷時.

PRODUCT

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6. PART LIST

Part List

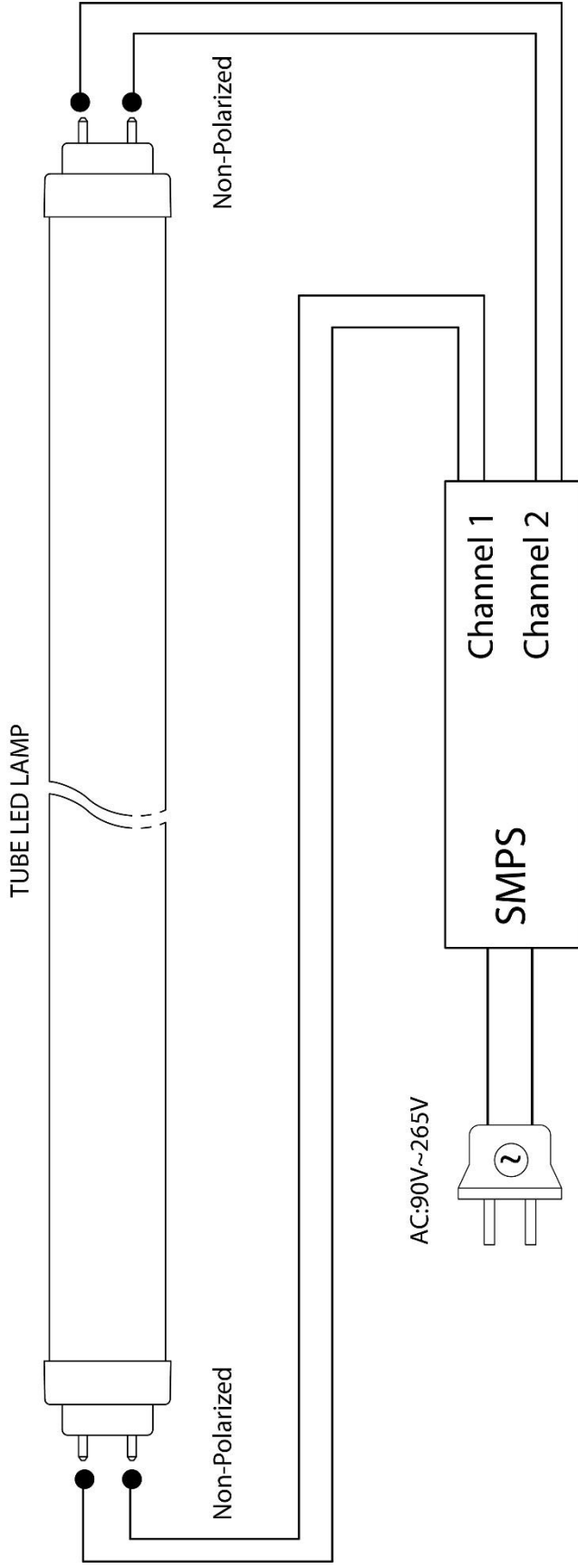
NO	PART NAME	SPECIFICATION	TYPE	Q'TY	MAKER
1	LED	5450 CHIP	TOP VIEW LED 5050(1.6T) WHITE	240PCS	-
2	Diode	SS26	2.0 AMPS, 60V	8PCS	DEC
3	PC TUBE	PC	T8-2,400mm	1PC	LG化学
4	PCB	CEM-1	588×26.6×1.2T × 4	4PCS	Green電子
5	BASE	G13 or R17D	PC 難燃	1PC	LG化学
6	TOP CAP	TOP CAP	PC 難燃	2PCS	LG化学

7. POLYCARBONATE PIPE 生産配合データ

既存生産データ	LD 7700	透明	8 KG : 2 KG
	8	2	
サンプル生産データ	LD 7700	LD7650	5 KG : 5 KG
	5	5	
※ 一般的なグレード(7550,7600,7650 など)の基本物性表は同一で			
透過率は先端の7を抜いた二桁が透過率です。			
7700 は 70%で7650は 65%です。			
2つを50%ずつ配合して作業しました。			

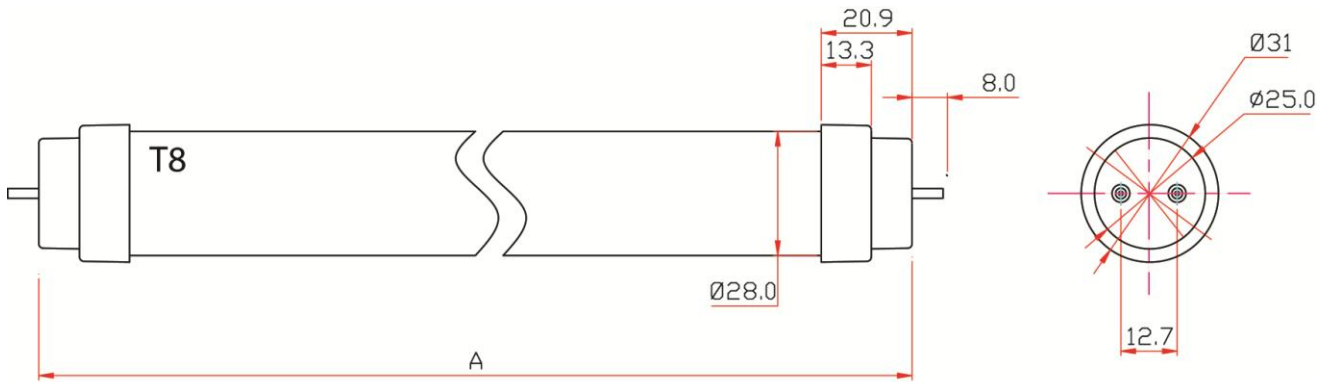
電気配線図

SJ-SR240-40C

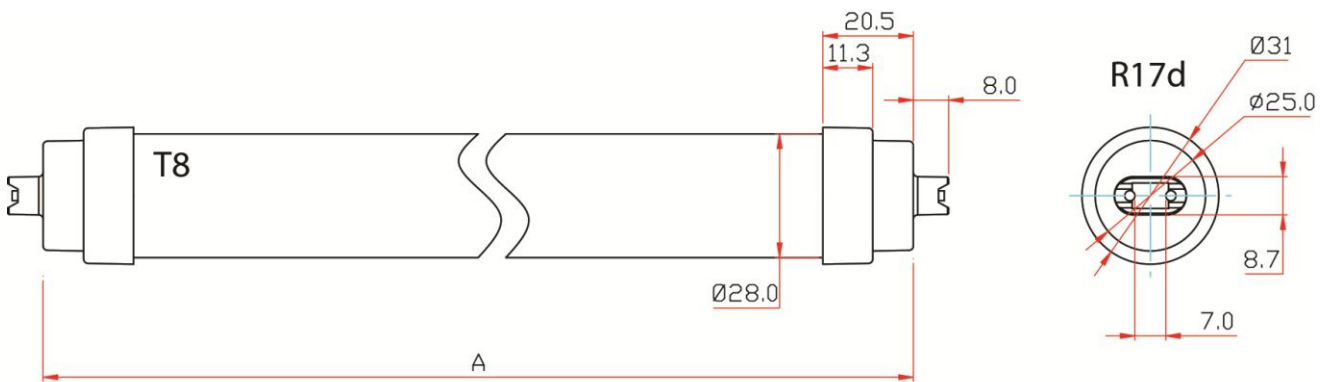


Outline Dimension

SJ-SR240-40C



Model	A
600mm	580.5mm
1200mm	1198mm
2400mm	2367mm



Model	A
600mm	580.5mm
1200mm	1198mm
2400mm	2367mm

LUMIMICRO(日本向け) Patent Guarantee Certification

SJ-SR240-40C



LUMIMICRO CO., LTD.

64-1, Bong Mu-ri, Namsa-myeon, Cheoin-gu
Yongin-si, Gyeonggi-Do, Korea,

Tel +8231 213 9200 / Fax. +8231 213-9210

To : SJ HIGHTECH Co., Ltd.

By : Lumimicro Corporation

Title : Letter Of Guarantee



Date : March. 13, 2013

Lumimicro Corporation (hereinafter "Supplier") a corporation established and existing under the laws of the Republic of Korea with its principal office at 64-1, Bong Mu-ri, Namsa-myeon, Cheoin-gu Yongin-si, Gyeonggi-Do, Korea, hereby represents and warrants that the products(hereinafter "Products") supplied by the Supplier will not infringe the third party's intellectual property rights, including patent, trademark, copyright, trade secret, and the Supplier shall hold SJ HIGHTECH Co.,LTD. (hereinafter "SJ HIGHTECH") free and harmless from any of the legal claims arising from infringement against the third party's intellectual properties. In the event that the third party's claim of infringement is made against SJ HIGHTECH, the Supplier shall at its own expense conduct ensuing litigation including negotiations for a settlement of the claim. The Supplier shall pay damages, expenses and costs, resulting from such suits or claims against SJ HIGHTECH from the third party.

[Products]

■ PART No.

- . 5450 PKG (LMLTP55H1CWHZ060-C80) / 5630 PKG (LMLTP5621CWHZ060-C80)

■ PATENT : WORLD-WIDE GUARANTEE

Confirmed and accepted by

Lumimicro Co., Ltd.



To : SJ-HIGHTECH Co., Ltd
Re : With regard to Patent Indemnity

Dear whom it may concern,

Thank you for considering our 5450 1.1T LED package (including ILJIN 4424 chip) product ("Product").

As far as we, ILJIN LED Co., Ltd., acknowledge, patent infringement have not been raised by a third party in relation to our Products. We represent and warrant that the Products manufactured by us and purchased by you from us do not infringe any patent of a third party. If a third party brings a claim, action or lawsuits an infringement (a "Third Party Claim") of any of his patents related with our Products against you, we will defend you against the Third Party Claim and also indemnify you harmless from damages and costs awarded by final judgment or settlement of such Third Party Claim up to the total amount of our sales price of the Product to the extent we are directly and solely attributable to such infringement by the Product.

Please be informed that we are not liable for any Third Party Claim 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 hardware, software or any other product not furnished by us. Also, should you wish to retain independent counsel of your choice, you will have to first consult with us in the case you may have to defend against such legal action by yourself, and you will be solely responsible for any and all fees and expenses resulting from, and related to, such a retainer.

You shall give a written notice to us of any such Third Party Claim within 7 (seven) days of receiving notice of such claim, and permit us to have exclusive control the defense or settlement of such Third Party Claim, at our expense, and provide us with all reasonable assistance necessities for the defense or settlement of such Third Party Claim. If you and ILJIN have to defend jointly, the cost and expenses for such defence or settlement will be divided at a reasonable portion by the agreement of both parties.

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

Sincerely Yours,

2014. 05. 08

ILJIN LED Co., Ltd.
10-81 Songdo-Dong, Yeonsu-Gu, Incheon,
406-840, Korea

시험성적서

고객명	에이스케미칼	제품명	EPC	GRADE/ COLOR	LUP0Y GN1002FC W0262 2
LOT NO	W2121104	출하수량 (KG)	25.000	출하 일자	2013/02/22

검사결과

검사항목	시험방법	시험단위	시험결과
충격강도(Izod)	ASTM D256	kgf cm/cm	66.7
유동지수	ASTM D1238	g/10min	15.4
열변형온도	ASTM D648	℃	116.9
인장강도	ASTM D638	kgf/cm ²	574

위에 표기된 시험성적서 결과는 정확하며 당사의 규격을 만족함을 보증합니다.

생산일자	2012/12/12	생산처	EP 위스컴 안산
측정일자	2012/12/13	측정자	
발행인	QA Manager D.C. LEG		