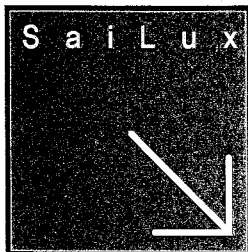


Best Products of Member Companies



www.sai-lux.com

(주)싸이릭스 SaiLux Inc. (광주 / Gwangju)
 대표 : 박병재 CEO : Byung-Jae Park
 제품명 : SFP Type[High Power LEDs]

Product : SFP Type[High Power LEDs]

제품특징

- 신뢰도 높은 멀티칩 패키징
- 고전력 · 작은 패키지
- 멀티칩 아레이 타입

Product Features

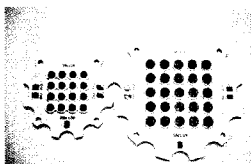
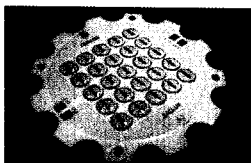
- High Reliable Multi-chip Packaging
- Ultra High Power in Small Package
- Multi-Chip Array Type

응용

- 일반 조명
- 조경보조 및 데코레이션
- 거리 조명
- 투광 조명

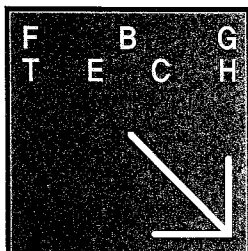
Applications

- General Lighting
- Light Projection & Decorations
- Street Lighting
- Floodlighting



Absolute Maximum Ratings

Parameter	Symbol	20W	60W	Unit	
DC Forward Current	Blue, Green, White	I _F	1,400	1,750	mA
	Red, Amber	I _F	1,400	1,750	mA
LED Junction Temperature	Blue, Green, White	T _J	150		°C
	Red, Amber	T _J	120		°C
Operating Temperature					-40 °C to +80 °C
Storage Temperature					-60 °C to +100 °C
Rework solder Temperature					-260 °C for 5sec

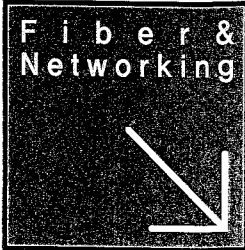
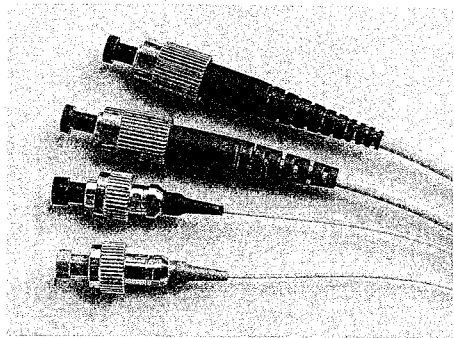
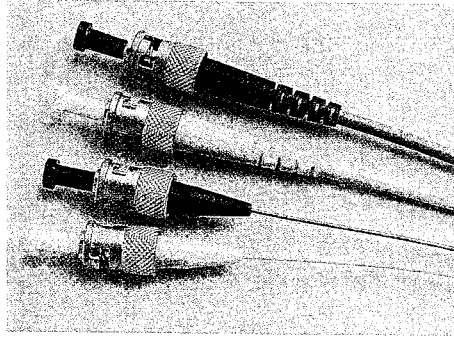


www.fbg.co.kr

에프비지테크 FBG TECH (광주 / Gwangju)
 대표 : 이금석 CEO : Geum-Suk Lee
 제품명 : FBG 온도센서 (FTS-5)
 Product : FBG Temperature Sensor (FTS-5)



측정 범위(Measurement Range)	-40 °C ~ +80 °C	확장 케이블(Extension cable)	단일모드섬유
분해력(Resolution)	0.1 °C	대역폭(Bandwidth) (FWHM -3dB)	< 0.1nm
FBG 반사율%(FBG Reflectivity(%))	≥80	무게(Weight)	10g
비율(Scale factor)	9.5pm/ °C	넓이(Dimension)	φ 5×100mm
연결 형태(Connector Type)	FC/APC	격자 파장(Grating wavelength)	1511~1584nm



www.efinn.co.kr

에프엔엔(주) Fiber & Networking Co. Ltd (광주 / Gwangju)

대표 : 주양진 CEO : Yang-Jin Joo

제품명 : Optical fiber Patch Cord

Product : Optical fiber Patch Cord

제품특징

- JIS C-5973, IEC, 벨코어에 준함
- 고성능 광학 공장 100% 실험 완료
- SC, FC, ST 어셈블리 기준에 부합
- 길이, 커넥터 형태(SC, FC, ST)를 포함한 고객에 맞춤형 어셈블리 구축
- IEC 제안에 맞춰 기입된 지리학적 등 정밀도, 세라믹 페룰

Product Features

- Compliant with : JIS C-5973, IEC, Belcore
- Optical performance 100% factory tested
- Standard length of SC and FC, ST assemblies in stock
- Customized assemblies available include of lengths, connector styles and performance
- precision ceramic ferrule with endface geometry per IEC proposal

응용

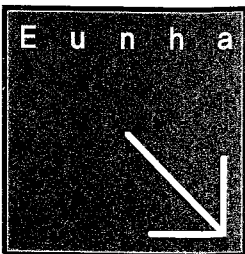
- 통신 네트워크, CATV 네트워크, 농동 장치 단말기, 지역 네트워크

Application

- Telecommunication Networks ,CATV Networks, Active Device Termination, Local Area Networks

Product Specification

Characteristics	Conditions	Values
Insertion Loss	Against Reference connector	(0.2dB
	PC)45dB
Return Loss	UPC)55dB
	APC)65dB
		(0.2dB
Durability	500matings	(0.2dB
Temperature Cycling	-40 ~ +80°C (42 cycles)	(0.2dB
Humidity Cycling	75°C, 95%/336hr	(0.2dB
Vibration	10 ~ 55Hz(2hr)	(0.2dB
Flex Test	0° → 90° → 0° → 90°, 5kgf(100cycles)	(0.2dB
Twist Test	ø0.9mm : 0.75kgf, ø2.0mm : 1.53kgf	(0.2dB
Straight Pull Test	100N Load	(0.2dB
Impact	1.5m drop, 8times	(0.2dB



www.eunha.co.kr

(주)은하 Eunha Co., Ltd. (광주 / Gwangju)

대표 : 용영수 CEO : Young-Soo Yong

제품명 : LED 응용기술 감성형 렌지후드 조명시스템

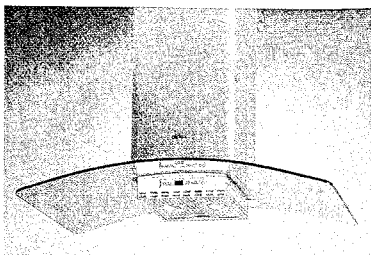
Product : LED-applied sensitive range hood lighting system

제품특징

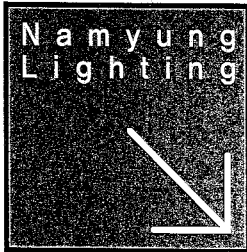
- 할로겐등과 비교하여 30% 이상의 에너지 절감 효과
- LED 광원을 이용하여 인간의 감성에 영향을 주는 Color Contents를 결합
- 사용자의 환경 및 생리-심리학적 감성에 따라 색온도 및 휘도, 빛의 밝기 등의 광학적 특성 제어

Product Features

- Over 30% energy-saving compared to halogen lighting
- It combines color contents that affect human sensitivity by using LED light source
- Optical property control over color emperature, luminance and brightness according to user environment and physiologica / psychological sensitivity



Best Products of Member Companies



namyung.co.kr

(주)남영전구 Namyung Lighting Co., Ltd. (광주 / Gwangju)

대표 : 정한휘 CEO : Han-Hui Jung

제품명 : LED Lamp EAGLED

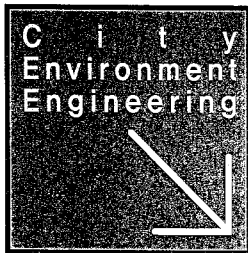
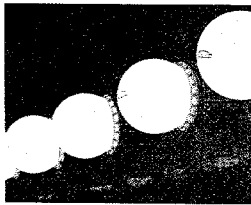
Product : LED Lamp EAGLED

제품설명

- 태양광에 가까운 자연색을 재현하며 눈부심을 없애 편안하고 고급스러운 웰빙조명을 제공
- EAGLED는 실내용 다운라이트 조명으로 최적 설계되었으며, CFL 25W 및 IL 60~100W 램프 대체
- CFL 25W의 72%, IL 60W의 90% 에너지 절감효과
- EAGLED는 친환경 제품으로 유해물질(수은, 납)을 포함하지 않으며, CO2 배출을 감소시켜 지구환경을 보호함
- 우수한 방열설계와 삼성전기 Chip을 사용하여, 수명이 반영구적 (50,000시간)이며, 백열전구의 50배, 전구식 형광등의 약 10배에 달함
- 인증획득 : 'CE'(유럽), 'PSE'(일본)

Product Features

- Emits the most accurate and natural light, minimize eye-dazzling
- Brightness & efficiency of EAGLED 6.5W are remarkably increased(World 1st)
- Save 72% energy less than DFL 25W and 90% less than incandescent lamp
- RoHS Appliance, Most environment-friendly lighting source
- More than 50 times of incandescent lamp, 10times of CFL
- 'CE' Approved for EUROPE, 'PSE' Approved for for JAPAN



www.cityenv.co.kr

(주)도시환경이엔지 City Environment Engineering Co., Ltd. (광주 / Gwangju)

대표 : 공중현 CEO : Jong-Hyeon Gong

제품명 : Street Light Headpiece

Product : Street Light Headpiece

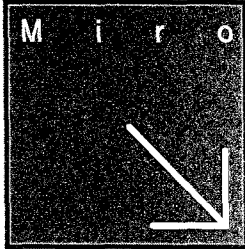
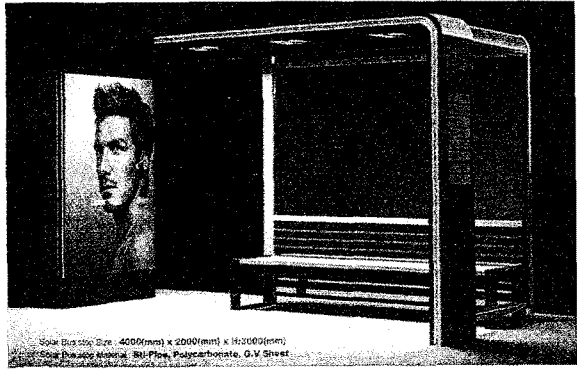
특징

- LED를 이용한 친환경적이고 반영구적인 광원
- 외부 전원 공급 및 설치가 불필요한 독립형 발전을 통해 뛰어난 경제성
- 친환경적이고 전력소모가 적은 LED광원과 차세대 에너지원인 Solar를 이용한 보안등

Product Features

- Eco-friendly semi-permanent light source using LED
- Great economical efficiency through separate power generation with no need of external power supply or installation
- Guard lamp using eco-friendly, energy-saving LED light source and solar energy, the next generation energy source





www.ksrp.com

(주)미로 Miro Co.,Ltd. (전남 / Jeonnam)
 대 표 : 최병술 CEO : Byung-Sul Choi
 제 품 명 : 태양광버스승강장
 Product : Solar energy bus stop

제품설명

- 야간 이용자를 쉽게 발견하여 교통사고 예방
- 도심지에 어울리는 모던한 스타일
- 별도의 전기요금 발생하지 않음
- 보도를 파내는 설치작업이 필요없음

특징

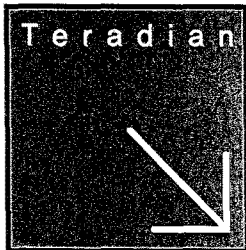
- Material Type : STS, GV Sheet, PC, 강화유리
- Bus stop Size : 4,000×1,800×2,400H(mm)

Product Features

- It prevents traffic accidents by easy detection of nighttime users
- Modern style that fits into urban setting
- No additional electric charges
- No need of installation work that requires digging a sidewalk

Product Specifications

- Material Type : STS, GV Sheet, PC, tempered glass
- Bus stop Size : 4,000(L)×1,800(W)×2,400(H) (mm)

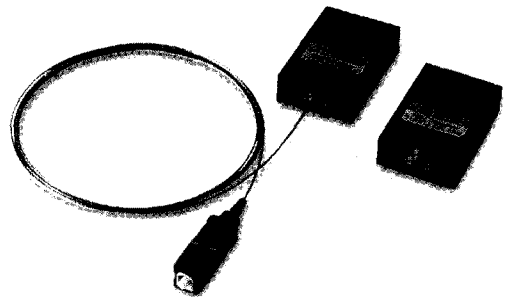
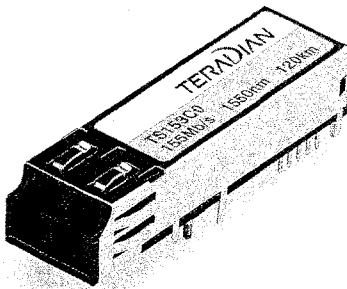


www.teradian.com

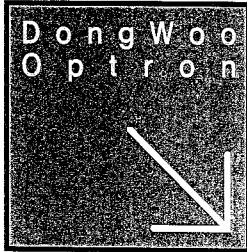
(주)테라디안 Teradian Inc (대전 / Daejeon)
 대 표 : 장낙진 CEO : Nak-Jin Jeong
 제 품 명 : Transceiver
 Product : Transceiver

제품명 Product Specifications

- Transceiver
- SC Duplex Transceiver : 155Mbps ~ 2.5Gbps
- Bi-Directional Transceiver : 155Mbps ~ 3.125Gbps
- Asymmetric Bi-Di Transceiver : 155M/622M, 155M/1.25G, 622M/1.25G, 155M/2.5G
- SFP Transceiver : 155Mbps ~ 2.5Gbps
- SFP Transceiver : 155Mbps ~ 4.125Gbps
- XFP Transceiver : 10Gbps



Best Products of Member Companies



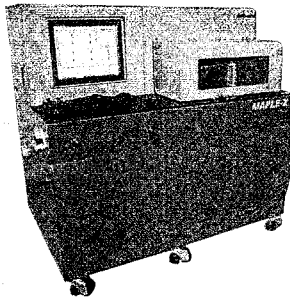
www.wellco.com

동우옵트론(주) Dong Woo Optron Co., Ltd. (경기 / Gyeonggi)

대표 : 김영준 CEO : Young-Joon Kim

제품명 : Maple-X

Product : Maple-X



제품 특징

- 고성능성, PL 맵핑의 원가절약
- 확장된 넓이, 길이 (UV-VIS-NIR)
- 단단한 디자인, 높은 해상도
- 어떤 자극적 레이저 원천도 가능
- 얇은 필름 굽기 측정
- 대량생산을 위한 빠른 자동화 시스템

응용

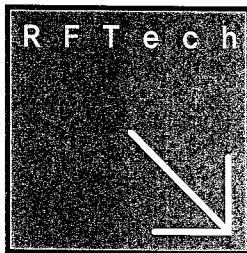
General photoluminescence, III-Vmaterials photoluminescence, Fluorescence, LD, LED Epi-wafer PL mapping

Product Features

- High performance & Low cost PL Mapping
- Wide extension wavelength range(UV-VIS-NIR)
- Compact design & high resolution
- Any excitation laser source available
- Thin film thickness measurements
- High speed Automatic system(For the mass-production)

Application

General photoluminescence, III-Vmaterials photoluminescence, Fluorescence, LD, LED Epi-wafer PL mapping



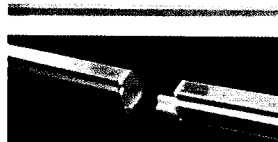
www.wellco.com

(주)알에프텍 RFTech Co., Ltd. (경기 / Gyeonggi)

대표 : 차정운 CEO : Jeong-woon cha

제품명 : 시스템 바

Product : System Bar



특징

- SMPS(Switching Mode Power Supply) 내장형
- 연결하는 구조로 인해 다양한 디자인 가능
- 집광을 통해서 광효율의 극대화
- 직접조명, 간접조명분야에서의 다양한 활용
- 슬림화한 디자인
- 완벽한 직선라이팅
- 초절전 등기구(형광등 대비 50%이상 절전)
- 장수명(50,000 hrs)
- 완벽한 열해소
- 환경친화적 등기구

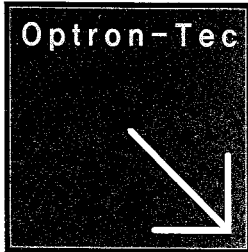
Features

- SMPS(Switching Mode Power Supply)-installed
- Diversity of designs with the connection structure
- Maximized light efficiency through concentration
- Variety of use in direct lighting and indirect lighting
- Slim design
- Perfect straight lighting
- Super energy-saving lighting (over 50% saving compared to fluorescent lighting)
- Long life time (50,000 hrs)
- Complete heat reliability
- Eco-friendly lighting



Absolute Maximum Ratings

Product reference	Input Power(V)	Power consumption	Color Temp.	Illuminance at 1m	Dimensionmm (LxWxH)	Light Dim, mm(LxW)	DrawingNo.
SB 60-9W/835 SB 60-9W/850	100-240V, 50-60Hz	9.2W	3,500K Warm White 5,000K Cool White	200 lx	200 lx 600x22x29.4	594x11	1



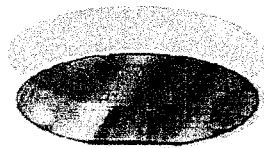
www.optron-tec.co.kr

옵트론-텍 Optron-Tec Inc. (경남 / Gyeongnam)

대표 : 임지윤, 이상목 CEO : Jee-Youn Lim, Sang-Mok Lee

제품명 : 8" Wafer 부품

Product : 8" Wafer



제품특징

- 반도체 웨이퍼와 접합시 Warpage 문제로 인한 접합의 문제점을 해결
- High Power Ion beam assist로 대면적 Coating시 발생할 수 있는 박막의 신뢰성을 해결
- 센서특성에 영향을 미치는 재현성과 Uniformity의 안정적 확보로 반도체와 Wafer의 Glass 접합 후 전체 면적이 사용가능하며 철저한 Partial 관리로 높은 양품률 달성이 가능함

응용제품

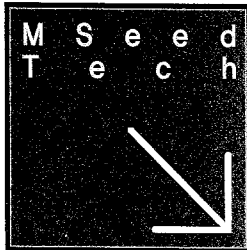
- 카메라 모듈

제품특징

- It solves connection problem due to its bending property when connection with semiconductor wafer
- It solves thin film reliability issue that may be caused when large area coating, through high power ion beam assist
- Overall dimension is usable after connection of semiconductor and wafer glass by securing reproducibility which affects sensor characteristics and stable uniformity; high yield possibility through partial management

Application

- Camera module



www.mseedtech.com

(주)엠시드텍 MSeedTech Co., Ltd (서울 / Seoul)

대표 : 김영훈, 신성철 CEO : Young-Hoon Kim, Sung-Cheol Shin

제품명 : Waterproof LED Lights (LED 방수조명)

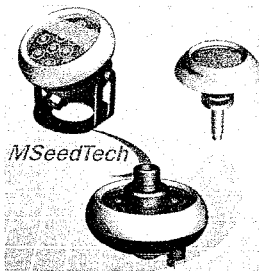
Product : Waterproof LED Lights

제품특징

- LED 방수조명등 : 수중조명등, 경관조명등
- MSC101(1W급), MAC103(3W급)

Product Features

- Waterproof LED light : Underwater light, LED Scenery light
- MSC101(1W), MAC103(3W)



Technical Data Sheet(TDS)

Housing Material	<ul style="list-style-type: none"> • Processed aluminum with 3+ chrome coating • Corrosion : RN 9.8 in CASS 72hr test • Thickness : 5mm normally
Body Color	upper body(Chrome), lower body(Black)
Dimension	<ul style="list-style-type: none"> • 150 mm diameter(Round) • 80mm height
Weight	around 1.5kg
LED Applied	OSRAM LED GD+

Color	White, Amber, Red, Green, Blue
LED ea	12 ea
W	1W & 3W
Radiation	<ul style="list-style-type: none"> • blue : 18,000~33,000LF • Warm white : 39,000~97,000LF
Waterproof Rating	IP 68
Warranty	<ul style="list-style-type: none"> • Electrical parts : 1 Year • Housing body : 3 Year
Approved	CEI(2009), ISO9001-2008