COMMERCIALPRO SERIES

luxoⒶRCH

LCNP

27W - 60W

LED CANOPY

COMMERCIAL GRADE

PRODUCT OVERVIEW

The luxoⒶRCH LED canopy is engineered with a rugged slim-profile with a white optical pattern for maximum site visibility. It is sealed against water and dust intrusion, armed with shatter-resistant lens, and protects against environmental contaminants for a virtually maintenance free experience.

Easy to mount directly on ceilings, pendant or J-box options, the LCNP-series is the superior solution for parking garages, awnings, canopies, and other general commercial areas for security lighting.

ARCHIPELAGO LIGHTING

PROJECT DETAILS

Project Name	
Fixture Schedule	
Product Number	
Notes	

PIR Sensor

EM Driver

KEY FEATURES

- WEATHER-SEALED DIE-CAST ALUMINUM HOUSING
- MOUNTING PLATE IS DESIGNED FOR ANY OVERHEAD INSTALLATION
- POLYCARBONATE OPTICAL LENS PROVIDES WIDE BEAM SPREAD
- BUILT-IN KNOCK OUT SUPPORTS OPTIONAL VERTICAL MOUNT
- OPTIONAL BUILT-IN SENSOR FOR OPTIMUM EFFICIENCY
- OPTIONAL BUILT-IN BATTERY BACKUP
- REPLACES UP TO 250W MH

MODEL SPECIFICATIONS

Model	Watt	Lumens	Voltage	CCT	LPW	Replaces
LCNP27	27W	3,800LM	120-277V 347-480V	4000K 5000K	140LM/W	100W MH
LCNP40	40W	5,500LM			137LM/W	175W MH
LCNP60	60	8000LM			133LM/W	250W MH

KEY SPECIFICATIONS

- **Housing:** Weather-sealed die-cast aluminum
- **Input Voltage:** 120-277Vac & 347-480Vac
- **Operating Temp: -**40°F — 130°F
- **IP:** UL Wet Location Listed
- **PF:** >0.9 Non-Flicker
- **Efficacy:** >140LM/W
- **Dimming:** 1-10V
- **THD:** <20%
- **CRI:** >70

APPLICATIONS

Parking Garages   Awnings   Canopies   Security Lighting

CERTIFICATIONS

FC | RoHS | cULus LISTED | DLC PREMIUM | 7 Year | 75,000-Hours

ORDERING GUIDE

Model Series	Watt (W)	CCT (K) [xx]	Voltage (V)	Finish [y]	Sensor [a]	Remote Controller [b]	Emergency Driver [c]
LCNP | LED Canopy	**27 |** 27W **40 |** 40W **60 |** 60W	**40 |** 4000K **50 |** 5000K	**U |** 100-277V **H |** 347-480V	**D |** Dark Bronze * **B |** Black **W |** White **S |** Silver	**Blank |** None * **MS |** PIR Motion Sensor	**Blank |** None * **RM |** Remote Controller	**Blank |** None ** **EM08 |** EM Driver + 8W Battery

*   Standard option
**   Integral Controls & Emergency Drivers

Choose Your Model Specifications Above:

LCNP	27	50	H	D	MS	Blank	EM08

Example Ordering Number:

LCNP27-50-HD-MS-EM08

PHYSICAL FEATURES

Housing
Features a compact, one-piece die cast housing, saving costs versus models that are extruded or cast and require additional parts. The heat sink is included in the actual casting, further minimizing the need for additional parts.

Mounting Bracket
Suitable for J-BOX mounting, and easy for installation, also support pendant mounting, wires coming out from the back for easier wire connections.
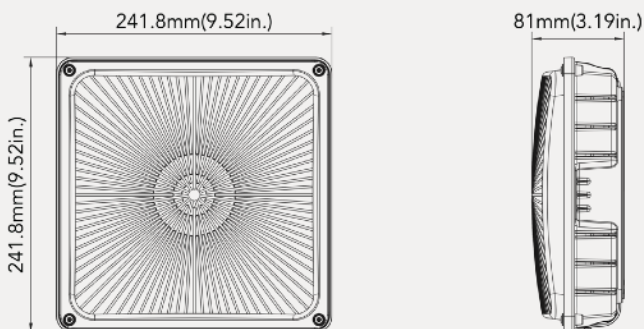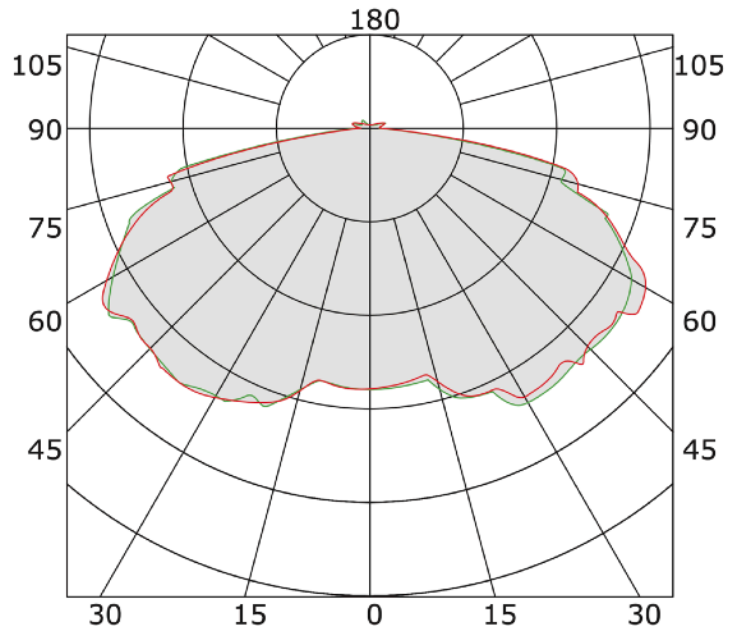
1/2 in Knock Hole
Support wires coming from the hole for easier wire connections. Optional PIRsensor and Emergency Battery.

Photometry
Parking Garage Photometry and polycarbonate optical lens with heat resisting.

SIZING & MEASUREMENTS

Model Series	Depth (in)	Height (in)	Length (in)	Weight (lb)
LCNP27	3.19	9.52	9.52	3.62
LCNP40	3.19	9.52	9.52	4.17
LCNP60	3.19	9.52	9.52	5.07

241.8mm(9.52in.)
241.8mm(9.52in.)
81mm(3.19in.)

PHOTOMETRICS

ACCESSORIES

luxo-MS *	Bi-level PIR Sensor	
luxo-RM **	PIR sensor controller	
luxo-EM08 *	Emergency backup driver w/ 8W battery (15-55Vdc) in enclosed junction box	

Notes:

*   Accessory item(s) may only be ordered as part of full fixture assembly. Example ordering code: LCNP60-50-UD-EM08

** Accessory item(s) may be ordered separately from full fixture assembly.

DLC MODEL GUIDE

Product ID	Model No.	DLC	Controls	Lumen	Efficacy	THD	PF	CCT	CRI	Voltage
LCNP27 | 27W										
PL39PHIYNRZO	LCNP27-40-U[D,B,W,S]-[Blank,M][Blank,B]D[Blank,0-9 or A-Z or a-z]	Premium	Yes	3,750	139	15	0.90	4000	70	120 - 277Vac
PLPV27YZT63D	LCNP27-50-U[D,B,W,S]-[Blank,M][Blank,B]D[Blank,0-9 or A-Z or a-z]	Premium	Yes	3,800	141	15	0.90	5000	70	120 - 277Vac
LCNP40 | 40W										
PLJDKSNHL512	LCNP40-40-U[D,B,W,S]-[Blank,M][Blank,B]D[Blank,0-9 or A-Z or a-z]	Premium	Yes	5,350	134	15	0.90	4000	70	120 - 277Vac
PLXUCBIOSZZI	LCNP40-40-H[D,B,W,S]-[Blank,M][Blank,B]D[Blank,0-9 or A-Z or a-z]	Premium	Yes	5,350	134	15	0.90	4000	70	347 - 480Vac
PLVN7R2BAFU4	LCNP40-50-U[D,B,W,S]-[Blank,M][Blank,B]D[Blank,0-9 or A-Z or a-z]	Premium	Yes	5,450	136	15	0.90	5000	70	120 - 277Vac
PLD3FNOK3Z9M	LCNP40-50-H[D,B,W,S]-[Blank,M][Blank,B]D[Blank,0-9 or A-Z or a-z]	Premium	Yes	5,450	136	15	0.90	5000	70	347 - 480Vac
LCNP60 | 60W										
PLB0574BM3YJ	LCNP60-40-H[D,B,W,S]-[Blank,M][Blank,B]D[Blank,0-9 or A-Z or a-z]	Standard	Yes	7,800	130	15	0.90	4000	70	347 - 480Vac
PLZTHQULJ7BL	LCNP60-40-U[D,B,W,S]-[Blank,M][Blank,B]D[Blank,0-9 or A-Z or a-z]	Standard	Yes	7,800	130	15	0.90	4000	70	120 - 277Vac
PLIEAY5Z42R3	LCNP60-50-U[D,B,W,S]-[Blank,M][Blank,B]D[Blank,0-9 or A-Z or a-z]	Premium	Yes	8,000	133	15	0.90	5000	70	120 - 277Vac
PLGUVNN0XCHI	LCNP60-50-H[D,B,W,S]-[Blank,M][Blank,B]D[Blank,0-9 or A-Z or a-z]	Premium	Yes	8,000	133	15	0.90	5000	70	347 - 480Vac

Link: *https://www.designlights.org/search/?search=LCNP*

* Note:

      Dimming Status: Continuous Dimming to 10% or below
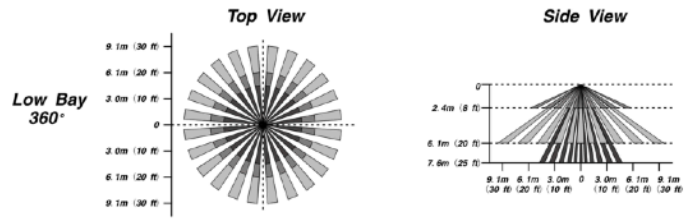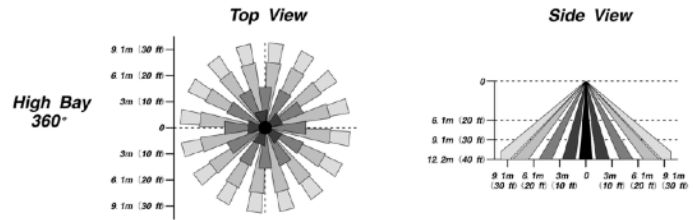   **Integral Controls:** Has Integral Controls
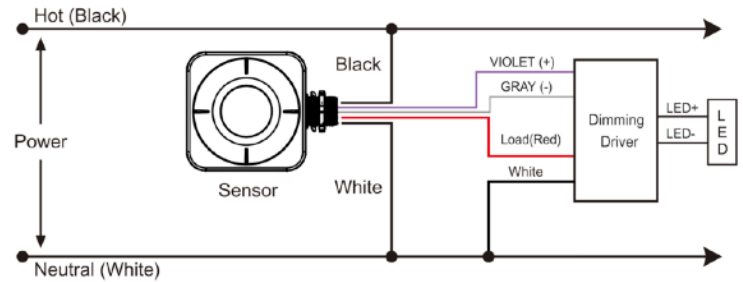
luxo-MS

luxo-RM

COVERAGE PATTERNS

L1 Lens

Low Bay 360°

Top View

Side View

L2 Lens

High Bay 360°

Top View

Side View

MODEL SPECIFICATIONS

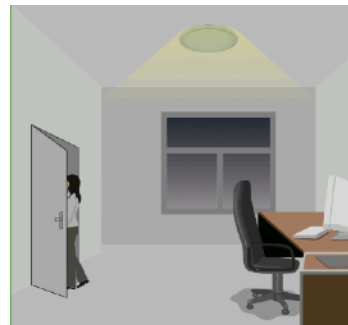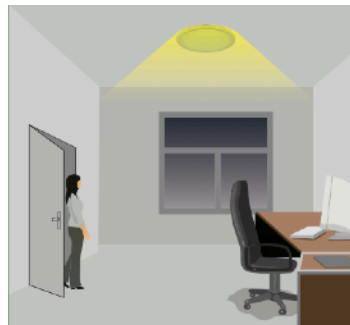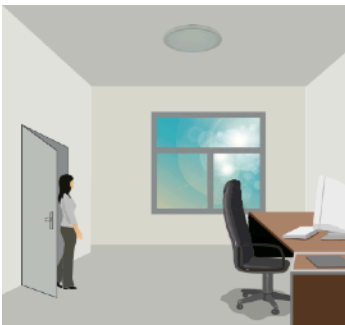|	
Model No.	luxo-MS
Product ID	BRI819P-B-D
Operating Voltage	120/277Vac, 50/60Hz
Max Load	Resistive/Tungsten: 600W @ 120V Electronic Ballast: 800W @ 120V	1200W @ 277V
Dimming Output	0-10V @ 25mA
Detection Radius	360°, 30FT @ 40FT max height
Mounting Height	Max 25FT @ L1	Max 40FT @ L2
Remote Range	50FT Indoor & minimal ambient light
Time Setting	10sec — 60min (Remote adjustable)
Light Control	10—20000Lux (Adjustable)
Operating Humidity	95%RH Max
Operating Temperature	-40°F — 167°F

WIRING DIAGRAM

FUNCTIONS & CONTROLS

Bi-Level Control

The PIR sensor to achieve multi-level dimming controls for same areas that require a light change notice before switch OFF.

Bi-level control: 0% OFF —> [0% | 10% | 30% | 50%] —> 100% ON

Selectable holding period: Motion hold-time | standby time. Selectable daylight threshold and choice of detection area

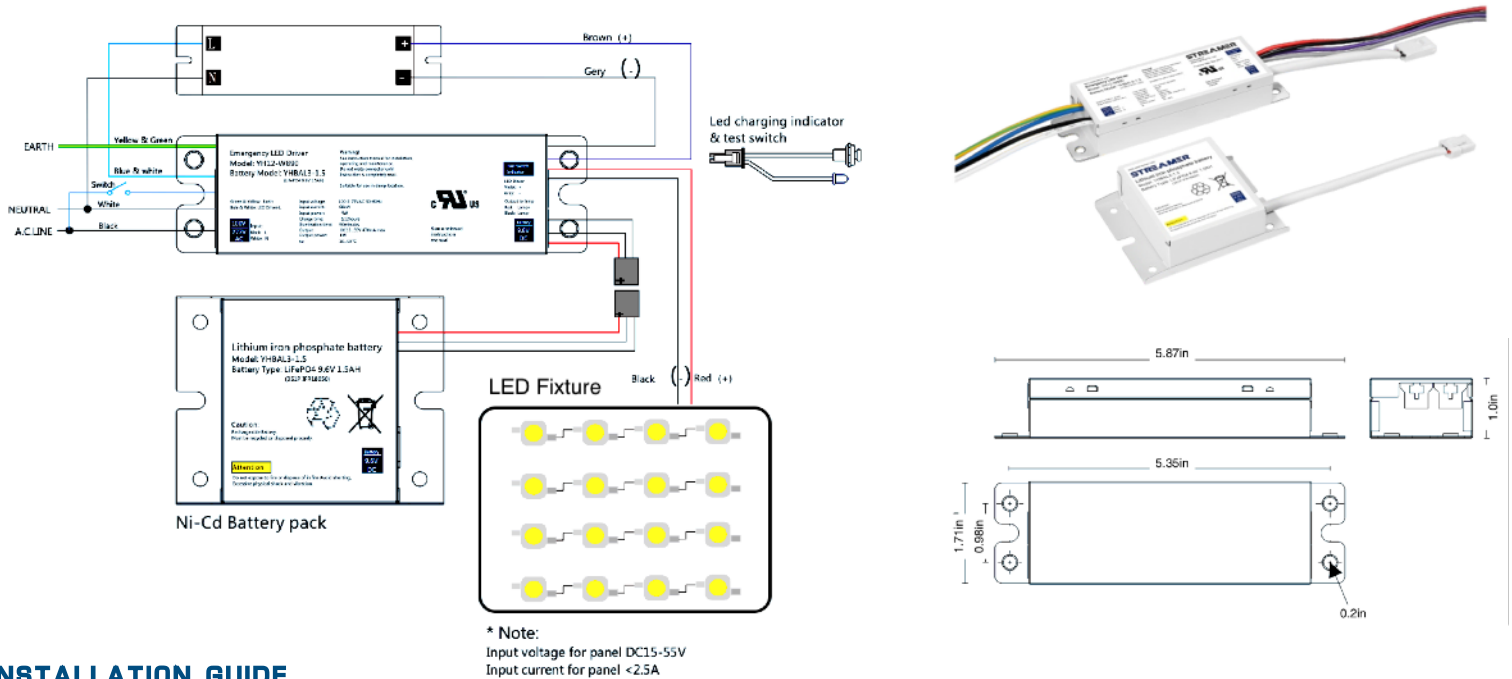With sufficient ambient light, fixtures will not be switched ON even if motion is detected.

With insufficient ambient light, the sensor will switch ON the fixture when motion is detected.

After standby period elapsed, the sensor will switch OFF the fixture when no motion is detected.

The fixture switches OFF automatically after standby time elapsed.

PERFORMANCE SPECIFICATION

Model No.	luxo-EM08	Output Voltage Range	DC15-50V
Product ID	YH12-W890	Output Power	8W (7-8.5W) Constant Power
Rated Input Voltage	100-277Vac, 50/60Hz	Ambient Operating	50°F — 122°F
Rated Input Current	10-80mA	Storage Temperature	14°F — 95°F
Rated Input Power	4W Max @ 277Vac	Charge Discharge Cycle	1000 Full Cycles
Power Factor	0.50 @ 100Vac	RFI/EMI	FCC
Blue & White Lead	Input Pass Through, 50V, 3A Max	Life Cycle	50,000 Hours
Charge Time	24hours	Approvals	UL Listed, Class 2, Damp & Dry Locations
Emergency Standby	90min	IP	IP20
Charge Current	0-250mA	Net Weight	1.0lb
Charge Voltage Limit	7.4V	Protection	Input over-current protection (fuse) Output over-voltage protection Output low-voltage protection Output short-circuit protection
Battery Type	LiFePO4 9.6V 1.5Ah		
Battery Cells	18650 Battery Core		

WIRING DIAGRAM

Led charging indicator & test switch

LED Fixture

Ni-Cd Battery pack

* Note:
Input voltage for panel DC15-55V
Input current for panel <2.5A

INSTALLATION GUIDE

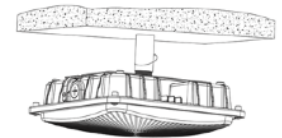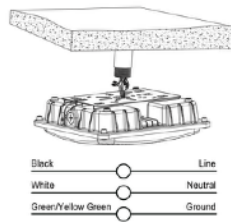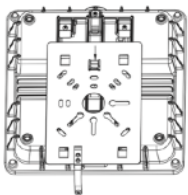⚠ **PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION**

- ◉ Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED Emergency Backup. Check for enclosed wiring and components.

- ◉ Risk of fire or electric shock. This LED Emergency Backup installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

- ◉ Before installing, make sure the AC power to the fixture is off.

- ◉ The electrical rating of this product is 100-277V. Installer must confirm that there is 100-277Vac the fixture before installation.

- ◉ To prevent electrical shock, only mate unit connector after installation is complete and before the AC power to the fixture is back on.

- ◉ This LED Emergency Backup unit requires an un-switched AC power source of 100-277V, 50/60Hz. The AC driver must be on the same branch circuit as the LED Emergency Backup unit.

- ◉ Do not let power supply cords touch hot surfaces.

- ◉ Do not mount near gas or electric heaters.

- ◉ Do not join battery pack connecter until all other wiring is complete and AC power is on.

ARCHIPELAGO LIGHTING

INSTALLATION GUIDE

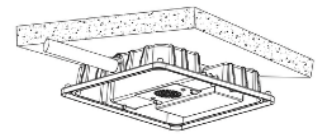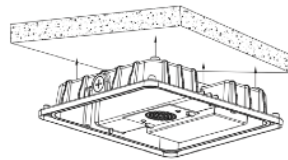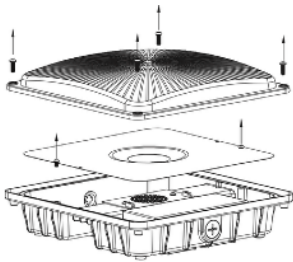⚠ **PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION**

◉ Please read the product specification carefully first to confirm that the working environment is in line with the condition on the specification before it is used.

◉ Please confirm the input voltage and frequency before use.

◉ The light must be installed by professional personnel

◉ If the power cord and case of the products are damaged, it will be regarded as disqualified product and should not be used.

◉ If external soft cable or wire of the product is damaged, the wire should be replaced by manufacturer or service agent or personnel with similar qualification to avoid danger.

◉ This luminaire is designed to operate in ambient temperatures ranging from -40°F to 150°F and to be horizontally mounted facing down.

◉ This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

◉ This product is not available for several special environments, such as places with corrosive gas liquids or high pressure water vapor.

◉ CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR

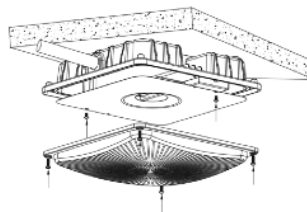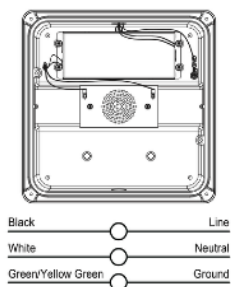◉ CAUTION - RISK OF FIRE

PENDANT W/ 3/4IN CONDUIT

1. Loosen the screw on side of the light, removing the bracket from Canopy light by pulling it slightly out, just leaving the ring on bracket.

2. Connect the wires threaded from conduit and Canopy, Black wire for Line, White for Neutral, Green/Yellow Green for Ground.

3. Secure the conduit into the hole on top of the fixture.
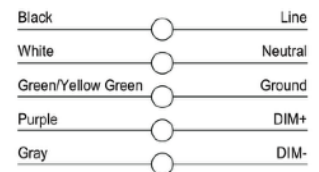
SURFACE MOUNT

1. Remove the lens and metal plate by unscrewing the screws.

2. Cut off the wires through from 3/4" hole and plug the hole with provided Plug. Drill 4 holes on edge of fixture and fix it on the ceiling with using appropriate screws.

3. Remove 1/2" plug from direction you intend to feed conduit.

WIRING DIAGRAM

4. Disconnect the wires came from 3/4" hole and connect the wires came from 1/2" conduit with canopy . (White for Neutral, Black for Line, Green/Yellow Green for Ground).

5. Replace the metal plate and the lens, make sure no wires are pinched when replacing parts.

WARRANTY

🛡 **7 Year**   🕐 **75,000-Hours**

The lesser of 7-Years after shipment by Seller, or 75,000-Hours of use.

ARCHIPELAGO will not under any circumstances whether as a result of breach of contract, breach of warranty, tort, strict liability or otherwise be liable for consequential, incidental, special or exemplary damages including but not limited to, loss of pro its or revenues, loss of use of the above product or any other goods or associated equipment or damage to any associated equipment, cost of capital, cost of substituted products, facilities of services, downtime cost, or claims of claimant's customers. ARCHIPELAGO's liability on any claim of any kind for any loss or damages arising out of, resulting from or concerning any aspect of this agreement of from the product or services furnished hereunder shall not exceed the price of the specific product or products listed above which gives rise to the claim. This warranty gives the claimant specific legal rights. The claimant may also have other rights, which vary from state to state.

For a complete documentation of ARCHIPELAGO Lighting, Inc. warranty and limitation of liability, please refer to www.archipelagolighting.com.

CERTIFICATIONS

FC · RoHS · cULus LISTED · DLC QPL PREMIUM

QUESTIONS?

ARCHIPELAGO LIGHTING, Inc.

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ARCHIPELAGO LIGHTING

Archipelago Lighting, Inc. is a leading prime manufacturer of commercial and residential lighting products in USA and China. We are a team of passionate lighting professionals whose goal is to improve life through disruptive LED lighting products. We manufacturer a wide variety of products to support the growing adoption of energy efficient LED.