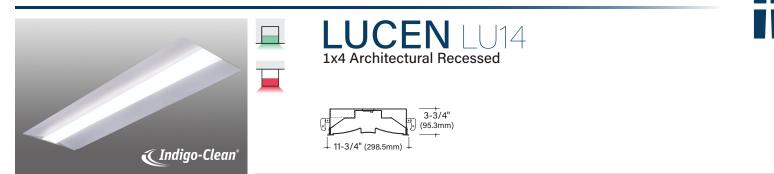
#### Ρ LE С RCHITECTURAL LIGHTING

Project Name

Date \_\_\_\_

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#### **Key Features**

- .
- Boards and driver are specifically for Indigo Clean® Indigo Clean® is safe and effective at killing SARS-CoV-2, Influenza-A, Staph Aureus and a list of pathogens that negatively impact health
- Standard, white luminaire that provides on-demand disinfection when light is on Laboratory-tested disinfection
- Unlike UV disinfection, light is safe for occupants .
- Proven effectiveness per independent lab test results
- Provides a cleaner, safer environment, even in areas normal cleaning doesn't reach .



Example Part #: LU14-A-IC37-G1-U-ND-1-0-W

LU14 - SHIELDING CRI, CCT & MOUN	TING VOLTAGE DRIVER CIRCUITING	BATTERY & FINISH FIXTURE CONTR EMERGENCY OPTIONS	OLS
			-
SHIELDING	CRI, CCT & OUTPUT	MOUNTING	VOLTAGE
A - Satine Lens	IC32 - Indigo Clean LED, 3200K IC37 - Indigo Clean LED, 3700K IC43 - Indigo Clean LED, 4300K Lumen Output pg. 2	G1 - 15/16" Grid G9 - 9/16" Grid GS - Screw Slot Grid FL - Flanged S - Surface Mount <i>Mounting pg.</i> 2	U - Universal (120 thru 277V) 1 - 120V 2 - 277V Voltage pg. 3

	-		
DRIVER <sup>1</sup>	CIRCUITING	BATTERY & EMERGENCY	FINISH
FSD - Factory Select Driver (1%, 0-10v) PL2 - Advance Xitanium (1%, 0-10v) OL2 - eldoLED Optotronic (10%, 0-10v) Driver pg. 3	<ul> <li>1 - Single Circuit</li> <li>E - Emergency (entire fixture)</li> <li>N - Night Light (entire fixture)</li> <li>Circuiting pg. 3</li> </ul>	<b>0</b> - None <b>1P</b> - Bodine 10W <b>1IC</b> - Iota 10W, CEC Listed <b>1G</b> - Bodine GTD <i>Battery and Emergency pg.</i> 3	<b>W</b> - White Finish pg. 3

FIXTURE OPTIONS <sup>2</sup>	CONTROLS
TW - Through-wiring CP - Chicago Plenum AM - Antimicrobial Paint FW6 - 6' Flex Whip GMF - Slow Blow Fusing PAF - Paint After Fabrication Fixture Options pg. 3	Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

<sup>1</sup> While we do offer dimmable driver options, please note that dimming is not recommended with Indigo-Clean fixtures as it can reduce the efficiency of disinfection. <sup>2</sup>Flex Whip (FW6) option not available with Chicago Plenum (CP) option.

Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.



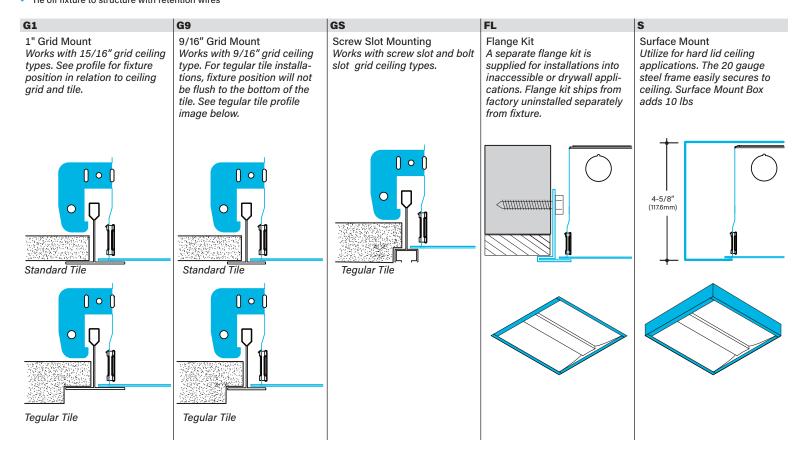
# Output

80 CRI R9 ≥ 23

Indigo Clean LED				
	Color	Watts	Shielding A Satine Lens	
IC32	3200K	60.2	Lumens 4785	<sup>LPW</sup> 79.5
IC37	3700K	60.2	4908	81.5
IC43	4300K	60.3	5020	83.3

# Mounting

- LUCEN is offered with a universal flange for all grid types. See below for fixture placement in relation to the tile for each grid type
- Grid retention clips integral to housing and require mechanical attachment Tie off fixture to structure with retention wires
- Refer to installation instructions during installation at the jobsite
- Approved for dry/damp location when PAF is specified
- Maximum fixture weight is 15lbs Surface Mount Box adds 10 lbs •





# Voltage

Some LUCEN configurations will not accommodate all voltage options; consult with factory

U	Universal
1	120 volt
2	277 volt

#### Driver

- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more Driver options, see Pinnacle Resource Guide

0-10V Drivers	
FSD	Factory Select Driver 1%, 0-10v
PL2	Advance Xitanium 1%, 0-10v
0L2	eldoLED Optotronic, 1%, 0-10v

### Circuiting

- Select fixture circuiting from options below
- Some LUCEN configurations will not accommodate all circuiting options; consult with factory

1	Single Circuit
E	Emergency Circuit only (uses nIO EZ PH ER with NLIGHT)
N	Night Light Circuit only

# **Battery & Emergency**

- Select battery or emergency options if required
- Battery duration is 90 minutes

0	No Battery
1IC	lota 10w Integral
1P	Bodine 10w Integral
FSG	Factory Select Automatic Load Control Relay (ALCR)
GI	Emergency Transfer Switch (ETS) DR Emergency Control Device
GB	Bodine GTD, Generator Transfer Device

Some LUCEN configurations will not accommodate all driver options; consult with factory

- Test button is integral to fixture
- For more Battery options, see Pinnacle Resource Guide

For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 10 (watts) x 92.3 (LPW) = 923 battery lumen output

#### **Battery & Emergency Ordering Examples**

- Single circuit, 10w integral battery Ordering Code: 1-1P
- Emergency circuit only, 10w integral battery Ordering Code: E-1P

# Finish

Powder-coat white painted finish on exposed trim

White W

# **Fixture Options**

Additional options to enhance the fixture and finish of the product

тw	Through-Wiring
СР	Chicago Plenum
АМ	Antimicrobial Paint
AR	Air Return
FW6	Flex Whip 6'
GMF	Internal Slow Blow Fuse
PAF	Paint After Fabrication

# Controls

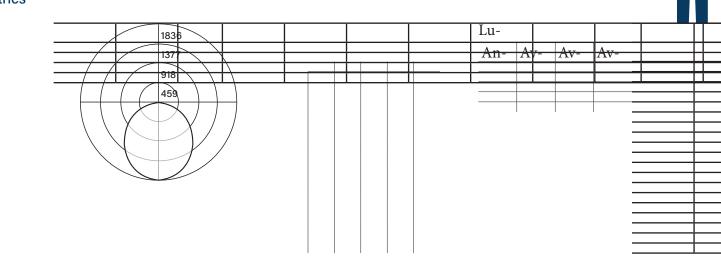
Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568

# LUCEN LU14 Architectural Recessed

# **Photometrics**





For all available IES files, please visit our website at pinnacle-ltg.com. Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP accredited testing laboratory. Testing conducted at 25°C ambient conditions

# **Approvals & Certifications**

**Construction:** Pre-painted formed 22 gauge cold rolled steel housing. Highly reflective die-formed reflectors maintain uniform lens brightness. Wiring access on both sides and top of housing. Housing designed to maintain optimal temperature of LED diodes and driver. Captive door frame swings open for room-side maintenance of lens, driver and LED boards.

**Shielding:** Single piece extruded diffuse lens with convex wings and articulated center spine creating a fully luminous housing with optimal glare control. Available with standard satine lens or optional white or silver lens side rails.

**Mounting:** Designed to install into acoustical grid and inaccessible ceilings. Specify G1, G9 or GS for acoustical grid ceiling. Specify FL for inaccessible ceilings. Grid retention clips integral to housing and require mechanical attachment. Tie off fixture to structure with retention wires. Maximum fixture weight is 15 lbs - Surface Mount Box adds 10 lbs.

Indigo Clean LED: Spectrum focused lighting for continuous environmental disinfection. 25°C test environment. Lumen output/wattage has a margin of +/- 5%. All luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. L70 = 80,000 hours. MacAdam 3-Step Ellipses. Not all products are lighting facts listed. For all available IES files, please visit our website at pinnacle-ltg.com.

Output: One lumen package available. 80 CRI is available for 3700K and 4300K. 80 CRI = R9≥23.

**Voltage:** Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify OL3 in Driver section when 347 volt (3) is selected. Some LUCEN configurations will not accommodate all voltage options; consult with factory.

Driver: Standard Driver Option is Advance Xitanium 0-10v, 1% = PL2. Electronic driver,

Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 118°F/48°C. For more driver options, see Pinnacle Resource Guide. Some LUCEN configurations will not accommodate all driver options.

**Circuiting:** Select from single circuit (1), Emergency circuit (E) or Night Light circuit (N). Some LUCEN configurations will not accommodate all circuiting options, consult with factory.

**Battery & Emergency:** Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button is integral to fixture. For more Battery options, see Pinnacle Resource Guide.

**Finish:** Pre-painted white polyester polymer finish on exposed trim. Optional Paint After Fabrication (PAF) available if specified in Options section of part number.

**Controls:** Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

**Labels:** UL and cUL Listed. Approved for dry/damp location unless otherwise noted. For damp location, must specify Paint After Fabrication (PAF) in the Options section of the luminaire.

Fixture Weight: 15 lbs maximum - Surface Mount Box adds 10 lbs.

#### **Buy American Act Compliant**

Warranty: LUCEN LED offered with a 5-year limited warranty. Covers LED, driver and fixture.