# Liteline

## LUNA PRO 3.5"
### Square Trimless, up to 2400 Lumens, 7-30 Watts
Recessed Downlighting

## Features

### Body
Durable airtight aluminum body with heat sink to provide maximum airflow for the LED light source.

### LED Characteristics
This general application light fixture in 7 to 30 watt options that maintains uniform intensity producing up to 2400 lumens; with a typical CRI of 95. On-fixture color selectable switch allows switching between 2700 K, 3000 K, 3500 K, 4000 K and 5000 K color temperatures.

### Dimming
100%-10% dimming capability. This fixture is compatible with industry standard forward-phase / reverse-phase and TRIAC/ELV dimmers. 0-10V dimming capability available with commercial driver (see dimming compatibility list).

### Beam Spread
The fixture lens provides 20°, 30°, 40° and 60° beam spread options.

### Mounting
Trimless mudding frame with included mud stopper to attach to drywall ceilings. Maximum ceiling thickness 1⅞".

### LED Driver
Extruded aluminum hardwire box with dimmable class II electronic LED driver with 100-135V AC input. Includes an 18" FT6 rated cable with DC 2.1 connector between driver and fixture approved for use in plenums and suspended ceilings. Other optional drivers available.

### Quick Connect push-in Terminals
Three "Quick Connect" push-in terminals for fast and easy wiring.
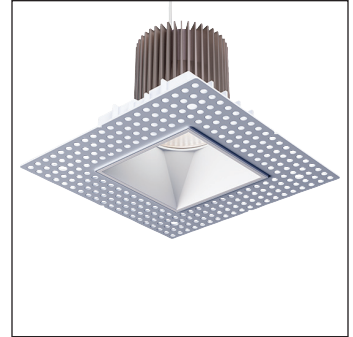
### Minimum Starting Temperature
-40°C (-40°F)

### Environment
• Suitable for damp locations.
• Suitable for indoor/outdoor applications
• Approved for direct contact with insulation (IC model only, up to 20W).
• Airtight

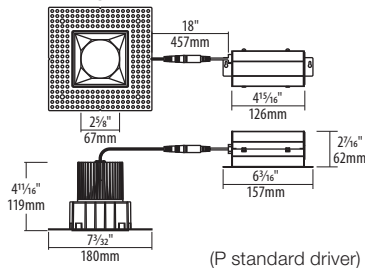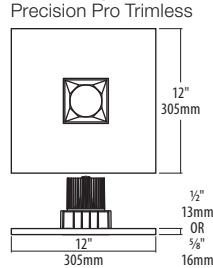| SPECIFICATION | |
|---|---|
| Aperture | 3½" (90mm) |
| Application | Trimless |
| Approved Location | Damp |
| Certification | cETLus |
| CRI | 95 |
| CCT | 2700 K - 5000 K (CCT switch) |
| Dimming | 1% (Standard)[5] |
| Hole Cut | 4¼" × 4¼" (108mm × 108mm) |
| Lumen Maintenance | 70% @ 50,000 hrs |
| Max. Ceiling Thickness | 1⅞" |
| Power Factor | 0.9 |
| Power Supply Type | Constant Current |
| THD | <35% |
| Title 24 | Yes |
| TM-30 Annex E | P1 / V- / F2 |
| Warranty | Lifetime |



### Description
The LUNA PRO 3.5" series boasts a sleek modern look in square trimless and baffle color combinations. In addition, choose between 7-30W options with 2700 K - 5000 K color select switch. The regressed optics and various beam angles provide an intentional true trimless finish in your architectural space.

## Technical Drawings

### Mounting: Remodel



18" / 457mm
4¹⁵⁄₁₆" / 126mm
2⁵⁄₈" / 67mm
2⁷⁄₁₆" / 62mm
6³⁄₁₆" / 157mm
4¹¹⁄₁₆" / 119mm
7³⁄₃₂" / 180mm
(P standard driver)

### Mounting: New Construction
Precision Pro Trimless



12" / 305mm
12" / 305mm
½" 13mm OR ⅝" 16mm

ETL Intertek · JA8 TITLE 24 · LIFETIME WARRANTY

## Ordering Guide

| | Wattage[1] | Color Temp | Style | Baffle shape | Beam | Lens Options | Driver Options | | Baffle Color | Mounting | Shipping |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RA35P - | | | | | - | | | 1 | - | | |

**QUICKSHIP 7-DAY** — Highlighted option denotes QuickShip.

**Wattage[1]**
- **07 :** 7W, 560 lumens (IC)
- **09 :** 9W, 720 lumens (IC)
- **12 :** 12W, 1000 lumens (IC)
- **16 :** 16W, 1300 lumens (IC)
- **20 :** 20W, 1750 lumens (IC)
- **31 :** 30W, 2400 lumens, 120V (non-IC)
- **32 :** 30W, 2400 lumens, 277V (non-IC)
- **33 :** 30W, 2400 lumens, 347V (non-IC)

**Color Temp**
- **C :** 5 CCT (2700K - 5000K)
- **D :** DTW (2000K - 3000K)[2]

**Style**
- **T :** Trimless

**Precision Pro Trimless**
- **1 :** ½" Drywall
- **5 :** ⅝" Drywall

**Baffle shape**
- **S :** Round-on-Square
- **Q :** Square-on-Square[6]
- **1 :** Wall Wash[8,9]

**Beam**
- **S :** Spot (20°)
- **N :** Narrow (30°)
- **M :** Medium (40°)
- **W :** Wide (60°)

**Lens Options**
- **2 :** Softening
- **C :** Clear

**Driver Options**
- **T :** 120V Standard, TRIAC/ELV[4]
- **P :** 120-277V, Commercial, 0-10V[4]
- **C :** 120-347V, Commercial, 0-10V[3,4]
- **M :** 120-277V, Emergency Backup, 0-10V[3,7]
- **E :** Lutron ECO, 120-277V input[3,4]
- **D :** DALI, 120-277V & 347V input[3,4]
- **X :** DMX, 120-277V[2]
- **A :** Lutron Athena Wireless Node RF only (AWNR)
- **L :** Leviton Intellect Wireless Controller
- **O :** 120-277V, 0-10V, 1% dimming
- **S :** 120-277V, TRIAC/ELV/0-10V

**Baffle Color**
- **W :** White
- **B :** Black
- **G :** Gold
- **P :** Specular
- **S :** Semi-Specular

**Mounting**
- **RM :** Remodel
- **NC :** New Construction (includes P-4020S-NC)
- **AR :** Architectural C-Channel Brackets

**Shipping**
- **1 :** Ship Complete
- **2 :** Ship Rough-in first

**Notes:**
[1] IC rating up to 20W. [2] Available in 20W only. [3] Requires above ceiling access or remote driver mounting [4] Rated for -40°C starting temperature. [5] Refer to "LED Driver Options" for more details. [6] Q Baffle Shape must be used with S beam angle (up to 16W only). [7] Not available with 7W or 9W Wattage options. [8] Must be used with "W" beam angle, and IC rated up to 16W. [9] Only available in "W", "B" and "S" Baffle Colors. QuickShip option is available on orders of 100 pieces or less. QuickShip lead time may vary for orders greater than 100 pieces. No additional shipment rates apply. Subject to availability. For additional options please consult your Liteline representative. Due to our continued efforts to improve our products, product specifications are subject to change without notice.

REV 12.6.24

## Accessories

**SLM-60-FC**
60" Flexible connector, for use with SlimLED, Skye and Luna fixtures.

**P-4020S**
4¼" Square pre-mounting plate with driver attachment clip.

**P-4020S-NC**
4¼" Square new construction plate with driver attachment clip.

**P-NCMK-1**
New construction mounting kit. Includes hanger bars, brackets and screws.

**VBE-1**
Vapour barrier extender. For use in new construction applications.

**VBE-2**
Vapour barrier extender. For use in remodel applications.

**P-CBKT**
2 commercial mounting brackets. For use in conjunction with mounting frames."

**LC-CRTL-3WAY-1**
OnCloud Smart Wi-Fi 3-Way Switch, compatible with WiZ App.

**LC-CRTL-DIM-1**
OnCloud Smart Wi-Fi dimmer, 120V, compatible with WiZ App.

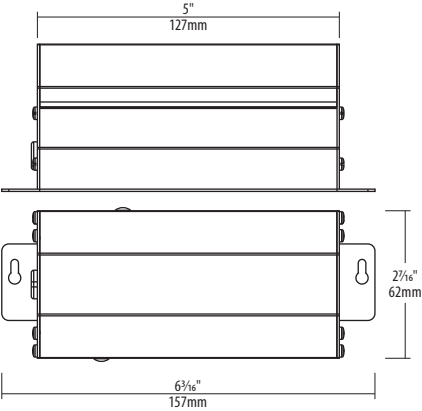| Minimum Dimming Levels | |
|---|---|
| **Driver** | **Dimming** |
| (T) Standard, 120V | 10% TRIAC |
| (P) Commercial, 120-277V | 10% 0-10V |
| (C) Commercial, 120-347V | 10% 0-10V |
| (E) Lutron ECO, 120-277V | 10% 0-10V |
| (D) DALI, 120-277V & 347V | 1% DALI |
| (X) DMX, 120-227V | 0.1% DMX |
| (A / L / O) 0-10V w/AUX | 1% 0-10V |

## Lumen Output Chart

| Correlated Color Temperature | | | | | | |
|---|---|---|---|---|---|---|
| **Wattage** | **2000K** | **2700K** | **3000K** | **3500K** | **4000K** | **5000K** |
| 7W | | 645 | 675 | 730 | 735 | 720 |
| 9W | | 810 | 845 | 920 | 925 | 905 |
| 12W | | 1015 | 1060 | 1155 | 1160 | 1135 |
| 16W | | 1255 | 1315 | 1435 | 1445 | 1410 |
| 20W | | 1485 | 1550 | 1675 | 1750 | 1720 |
| 20W DTW | 50 | | 1325 | | | |
| 33W | | 2030 | 2135 | 2335 | 2400 | 2340 |

**NOTE:** Results based on Baffle shape "RS". For Baffle shape "RQ", there is a 50% light loss (16W maximum).

## Technical Drawings (Drivers)

**Commercial Driver, 120-277V, 0-10V (Option P)**



**Commercial Driver, 120-347V, 0-10V (Option C)**