

Job Information

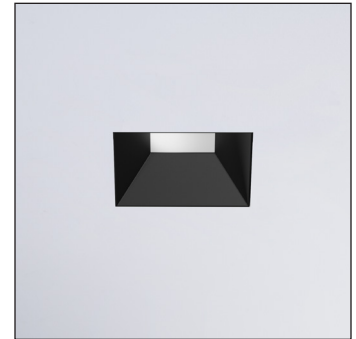
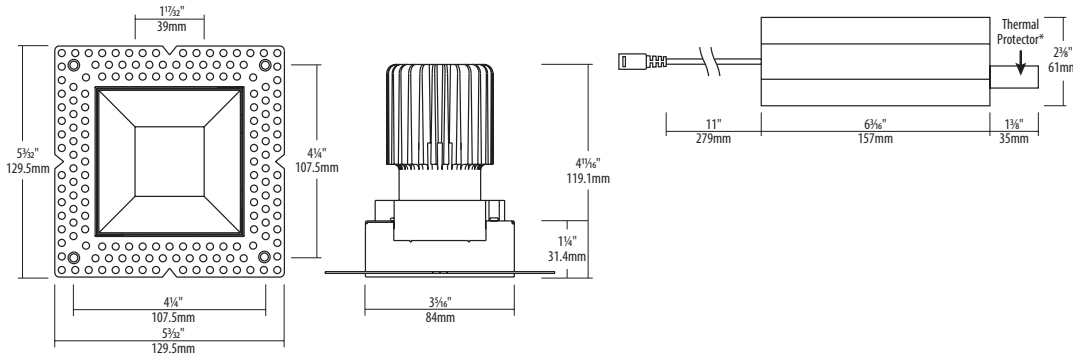
Project Name	
Type	
Location	
Quantity	
Date	

Description

The SIGMA 2 series boasts a sleek modern look with a broad offering of shapes, including pinspots, slots, and slopes. In addition, choose between multiples, regressed optics and tailed beam angles to match the intended look and feel of your architectural space. Add a hex cell louver, a softening, or a linear spread lens to further customize your fixture to further meet desired optical performance.

Technical Drawings

Mounting: Remodel



FIXTURE SPECIFICATIONS

Aperture	1 1/2" (38mm)
Application	Recessed
Approved Location	Damp
Certification	cETLus
CRI	90
Dimming	Yes
Hole Cut Size	90*90mm
Max. Ceiling Thickness	1/2" (13mm)
Power Factor	>0.9
Power Supply Type	Constant Current
Lumen Maintenance	70% @ 50,000 Hrs
THD	<20%
Title 24	Yes
TM-30 Annex E	P2 / V- / F3
UGR/Glare	Refer to photometric reports

Ordering Guide Example: **S251WT-A30MC-T1-RM1**

	Trim Color	Trimless Option	Lumens Per Head ¹	Color Temp.	Beam Angle	Lens Options	Driver Options	Voltage	Mounting	Shipping
S251										
	B : Black W : White	T : Trimless Adapter Included 1 : PrecisionPro in 1/2" drywall ² 5 : PrecisionPro in 5/8" drywall ³	A : 700 (IC Rated) B : 700 (IC Box) ⁹ C : 1100 (IC Rated) D : 1100 (IC Box) ² E : 1600 (Non-IC) F : 1600 (IC Box) ⁹ M : 900 (DTW, Non-IC) ² N : 900 (DTW, IC Box) ^{2,9}	27 : 2700 K 30 : 3000 K 35 : 3500 K 40 : 4000 K DW : Dim-to-Warm ² 50 : 5000 K ¹¹ TW : Tunable White ¹²	S : Spot (10°) ¹⁰ N : Narrow (24°) M : Medium (40°) W : Wide (50°)	C : Protective lens 2 : Soft Lens 3 : Linear spread film	T : TRIAC, ELV, 120V Input ⁶ P : Commercial, 120-277V, 0-10V C : TRIAC, ELV, 0-10V, 120-277V Input B : Rated -40°C, 0-10V, 120-277 & 347V Input ⁴ D : DALI, Rated -40°C, 120-277V & 347V Input ⁴ M : DMX, 120-277V Input ^{4,6} E : Emergency Backup, 0-10V, 120-277V Input ^{4,6} L : Lutron EcoSystem, 120-277V Input ⁶ Q : Sensor Compatible Driver, 120-277V Input ^{4,6}	X : 120-277V ⁷ 1 : 120V 2 : 277V 3 : 347V	RM : Remodel ⁸ NC : New Construction AR : Architectural C-Channel Brackets	1 : Ship Complete 2 : Ship Rough-in First

Example items for "Ship Rough-in First":

First: S251WT-C30MC-T1-NC2
Second: S251WT-C30MC2

Notes:

¹ Delivered lumens provided are based on 3000 K with wide reflector.

² DTW can reach up to 1150 lumen. check IES report for specific configuration.

³ Precision Pro drywall ships separately.

⁴ Above ceiling access or remote mount required.

⁵ Only available in 120V (Voltage option 1).

⁶ Not available in 347V.

⁷ Available with Source Lumens Per Head option; A, B, C, D, F or N only.

⁸ Not available with IC Box (option B, D, F or N).

⁹ Only available with IC Box (option B, D, F or N).

¹⁰ Only available with lumen per head (options A, B in 27,30,35 and 40 K).

¹¹ Not available in Spot beam angle.

¹² Not available with lumen per head M or N. Must select driver option "D".

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 A-Line representative. All trademarks are the property of their respective owners.

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

Features

Beam Angle

This option is available with 10°, 24°, 40° and 50° beam angles. For UGR/ Glare Data – please refer to the photometric reports.

LED Characteristics

Available with high powered BRIDGELUX® LED chip that maintains high lumens per watt with a typical 90 CRI.

LED Characteristics – Dim-to-Warm

Available with high powered LED chip that dims from 3000 K to 2000 K with a typical 90 CRI.

LED Optics

Integrated protective lens.

Dimming

Multiple dimming options are available. 100~10% dimming with TRIAC/ELV, 100~1% dimming with 0-10V, and dim to off with compatible devices. See LED

Driver Options for details. Compatible with OnCloud dimmer. Consult factory for compatible dimmers.

Thermal Performance

Extruded aluminum heat sink ensures optimal heat dissipation and LED life.

LED Driver

The LED driver is remote mounted to allow for a lower operating temperature of the LED, longer life, and serviceable separate from the fixture. Includes an 18" (457mm) plenum rated FT6 wire with DC 2.1 connector from the driver to fixture. Inrush current for all drivers is compliant with NEMA 410. See LED Driver Options for more specific details.

System Protection

Integral thermal protection provided on Non-IC models to indicate improper installations. Mounted to the junction box and will disconnect if insulation is detected. Insulation must maintain 3" (76mm) clearance from top or sides.

IC Box and New Construction Chicago Plenum

Single wall aluminum housing allows fixture to be installed in insulated ceiling applications. The housing is equipped with rigid hanger bars for easy installation without warping or moving. With Mounting option "NP" the fixture is built in accordance with City of Chicago Environmental Air (CCEA).

Hanger Bars – New Construction and IC Box

Rigid hanger bars extend up to 25" (635mm). Score lines on the hanger bars allow for tool-less shortening down to 12" (305mm). Built-in line-up foot allows for accurate housing height during installation. Integrated T-bar clips easily snap onto T-bars.

Trimless Option

Trimless adapter provides a flush and seamless ceiling mount. Trimless adapter is also available prefabricated in level 5 drywall for ease of installation

(PrecisionPro).

Shipping

Fixtures can be shipped complete or with rough-in components first, and the remainder once requested. Drywall options ship separately.

Environment

Suitable for use in damp locations.

Warranty

5-Year warranty.

QuickShip Made-To-Order

Made-To-Order products ship within seven business days of an order being released.

LED Driver Options

(T) **TRIAC** : Dimming for 120V only, 100~10% dimming.

(P) **Commercial** : Commercial driver for 120-277v, 0-10V dimming, 100%-10% dimming.

(C) **TRIAC/ELV/0-10V** : TRIAC/ELV dimming for 120V only, 100~10% dimming. 1% Dimming over 0-10V is optional, but required for 277V & 347V dimming.

(B) **Rated -40** : Low temperature driver operation. Dimming to 1% over 0-10V.

(D) **DALI** : DALI soft dimming to 1%. Dim-to-off with standby power <0.3W. Rated to -40.

(M) **DMX** : DMX/RDM soft dimming to 0.1%. Dim-to-off with standby power <0.3W.

(E) **Emergency Backup** : Integrated emergency battery with switchable output of 5W for 180 minutes, or 10W for 90 minutes of operation during an outage.

(L) : **Lutron EcoSystem** : Suitable for integration into a planned or existing EcoSystem® lighting control solution. Dimming down to 1% with compatible controls.

(Q) : **Sensor Compatible Driver**: Wireless module NOT included. Wireless dimming to 1% provided over 0-10V signal from module.

Accessories



SIGMA-EXT-10

10' Single CCT Sigma driver extension, FT6.

SIGMA-EXT-50

50' Single CCT Sigma driver extension, FT6.



LC-CRTL-DIM-1

Smart Wi-Fi dimmer, 150W, 120V.
* Compatible with TRIAC Driver.

Trimless



P-SIGMA-SFRAME-1L

Sigma 2 round trimless adapter.



S2-PDW2S-1

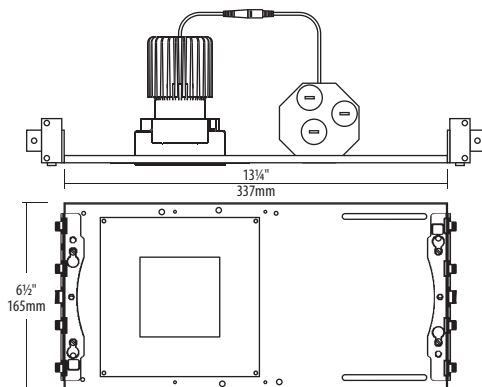
PrecisionPro in 1/2" drywall.

S2-PDW8S-1

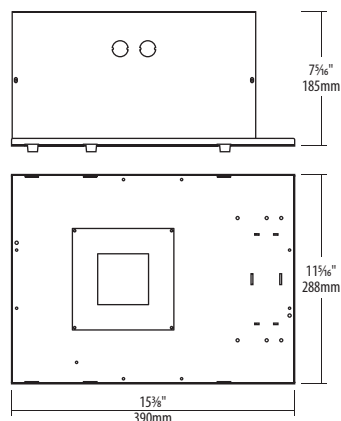
PrecisionPro in 5/8" drywall.

Technical Drawings

Mounting: New Construction



Mounting: IC Box New Construction / Chicago Plenum



Jbox sit outside of the IC-box for "New construction IC box" and sit inside the IC-box for "NC Chicago plenum".

Mounting: Architectural

