















Job Information Project Name Type Location Quantity Date

Round Deep Regressed, 1000 Lumens, 13 Watts

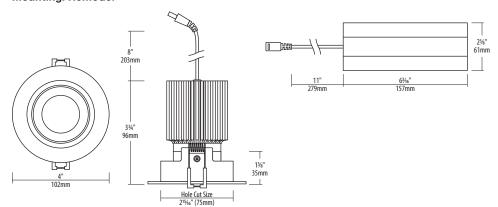
Recessed Downlighting

Description

The SIGMA 2 deep regressed model was specifically designed for low-glare and quieter ceilings. It is available in both round and square, black and white trims, and a choice of reflector options to compliment your project setting.

Technical Drawings

Mounting: Remodel

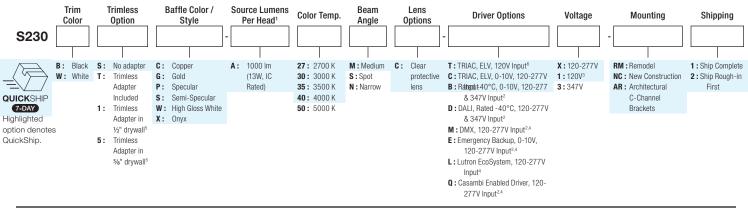




FIXTURE SPECIFICATIONS				
Aperture	25/8" (67mm)			
Application	Recessed			
Approved Location	Wet			
Certification	cETLus			
CRI	90			
Dimming	Yes			
Energy Star	Yes			
Hole Cut Size	215/16" (75mm)			
Max. Ceiling Thickness	1½"			
Power Factor	>0.9			
Power Supply Type	Constant Current			
Lumen Maintenance	70% @ 50,000 Hrs			
THD	<20%			
TM-30 Annex E	P2 / V- / F3			

Delivered Lumens Per Head	Option	Lumens/ Watt	Driver Wattage
986	Α	77	13

Ordering Guide



Wall Wash

Select from Select from above above

B: Black Wall Wash B: 415 lm (9W, M: Semi-Specular

> Wall Wash White Wall Wash with Semi-Specular Baffle

Select from above

M: Medium Select from above

Notes:

- Delivered lumens provided are based on 3000 K with wide reflector.
- ² Above ceiling access or remote mount required.
- 3 Driver option "T" only.

4 Not available in 347V.

IC Rated)

⁵ Adapter ships separately. ⁶ Not available with Wall Wash Baffles

Quick Ship option is available on orders of 100 pieces or less, and will ship within 7 business

days. Options must be selected from Quick Ship section to qualify.

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.

Liteline Corporation Copyright © 2023 All rights reserved.

Telephone 416.996.1856 1.866.730.7704 Fax 905.709.5255 1.888.738.9736



Features

Beam Angle

Multi-faceted reflector available in spot (18°), narrow (24°) or medium (36°) beam angles.

Baffle

A standard cone baffle or wall wash baffle is available.

LED Characteristics

Available with high efficiency LED chip that maintains high lumens per watt with a typical 90 CRI.

LED Optics

Integrated clear 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. Compatible with OnCloud dimmer. See LED Driver Options for details. 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" 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.

Hanger Bars – New Construction

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.

Hanger Bars – Architectural C-Channel

Architectural frame bracket accepts C-channel and EMT conduit. Vertically adjustable.

Trimless Option

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

Shipping

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

Environment

Suitable for use in wet locations. With trimless adapter, 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.
- (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. Dimming to 1% over 0-10V.
- (L): Lutron EcoSystem: Suitable for integration into a planned or existing EcoSystem® lighting control solution. Dimming down to 1% with compatible controls.
- (Q) Casambi Enabled: Casambi wireless module included. Wireless dimming to 1% provided over 0-10V signal from module.

Accessories



P-3010

75mm round pre-mounting plate for Sigma 2 fixtures.



ALB-27

27" Linear hanger bar, 2-pack.



LC-CRTL-DIM-1

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

Trimless



P-4500

115mm round pre-mounting plate for Sigma 2 fixtures.



S2-ZCR-4

102mm Sigma 2 round trimless adapter.



S2-PDW1R-4

Trimless adapter in 1/2" drywall.

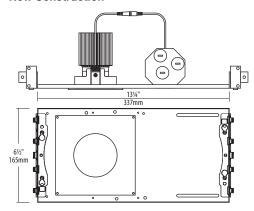


S2-PDW5R-4

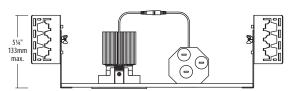
Trimless adapter in 5/8" drywall.

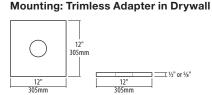
Technical Drawings

New Construction

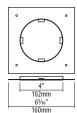


Architectural



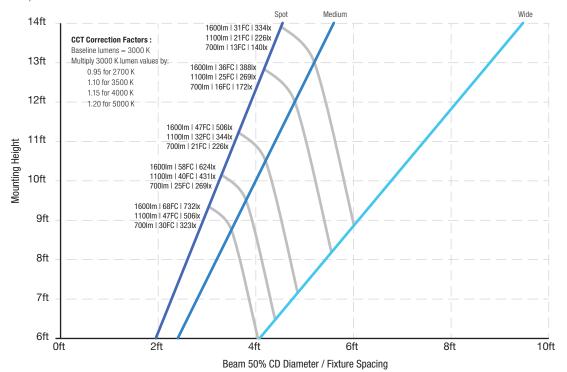


Mounting: Trimless Adapter



Luminaire Budgetary Diagram

Mounting Height vs. Fixture Spacing Sample reference with 90 CRI at 3000 K CCT



To use Liteline's Budgetary Diagram:

- 1. Determine mounting height above work surface for application on Y axis.
- 2. Determine appropriate spacing by comparing beam cone size on X axis.
- 3. Select appropriate beam angle and lumen package from slope line at intersection point.

Photometry

Note: All photometric data is based on 3000 K CCT, medium beam spread, white trim and clear protective lens.

CCT Correction Factors :

Baseline lumens = 3000 K

Multiply 3000 K lumen values by:

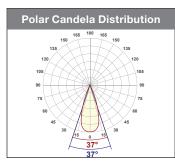
0.95 for 2700 K

1.10 for 3500 K

1.15 for 4000 K

1.20 for 5000 K

\$230Wx-A30MC-xx-xxx: SIGMA 2, 13W, medium beam spread, clear protective lens



Beam Details					
07 D					
D	Lux	FC	L	W	
<u>D</u>	Lux 1657	FC 154	L 2.7'	W 2.7'	
4'	1657	154	2.7'	2.7'	
4' 8'	1657 414	154 38	2.7' 5.4'	2.7' 5.4'	

Zonal Lumen Summary						
Zone	Lumens	% Luminaire				
0-30	583	91.23%				
0-40	866	92.62%				
0-60	885	94.65%				
60-90	14.4	1.54%				
70-100	13.2	1.41%				
90-120	12.0	1.28%				
0-90	899	96.15%				
90-180	36.1	3.86%				
0-180	935	100%				

\$230Wx-B30MC-xx-xxx: SIGMA 2, 9W, medium beam spread, clear protective lens

