



ACTUAL SIZE

S-DELTA-2

SHOCKWAVE DELTA-2 | COLOR SERIES

The SACO Shockwave DELTA-2 is a slim and stylish, wall-grazing or wall-washing fixture using high-performance LEDs to deliver intense and precise lighting, in virtually any color. The DELTA-2 is highly adjustable and is great end-to-end, stacked, or positioned around complex structures.

DELTA-2 comes in narrow, medium, wide, and a variety of oval optic options making this a versatile lighting solution for most projects.

| HIGH RESOLUTION | SACO's proprietary V-STREAM high-speed, high-resolution video pixel control. DMX compatible. |
|----------------------------|---|
| BRIGHT FIXTURE | SACO's intelligent control maximizes output for the brightest colors across the spectrum. |
| COMPACT SIZE | Ultra-compact design and remote V-BRAIN power allows for low-profile installation and discreet integration. |
| MODULAR HEAT MANAGEMENT | Build the perfect performer by combining and stacking fixtures to suit. Efficient heat dissipation. No dirt traps. |
| | |





FEATURES GUIDE





PHYSICAL

| CONSTRUCTION | Machined high grade 6061-T6 aluminum Machined scratch resistant clear polycarbonate face (0.2″, 4.5mm thickness) |
|----------------|---|
| | Sturdy stainless steel hardware High-pressure silicone rubber seal (temp range -60°F to 400°F, -50°C to 200°C) |
| MOUNTING | Standard 304 stainless steel aimable mounting bracket (0.1", 2.6mm thickness) |
| | 180° tilt, 90° pan around central pivot |
| | Micro-adjustable for perfect aiming |
| | Locking bracket accommodates 1/4" (6mm) mechanical screws |
| SURFACE FINISH | Standard brushed anodized finish Custom painted colors also available |
| WEIGHT | 3.0lb (1.4kg), with standard cable + mounting bracket |
| WEIGHT | Solb (1.4kg), with standard cable + mounting bracket |
| THERMAL | |
| HEAT CONTROL | Use of entire fixture's surface area for ideal heat dissipation No fins, no dirt buildup |
| SURFACE FINISH | Anodized for better emissivity |
| OPERATING TEMP | -40°F to 185°F (-40°C to 85°C) |
| ELECTRICAL | |
| INPUT VOLTAGE | 24VDC (CLASS 2) |
| POWER | 23W Maximum |
| V-BRAIN LIMIT | 4 (Connect maximum 1 per V-Brain 100 output. Please refer to specification guide) |
| CABLE | Standard 4' (1.2m) cable with quick connector (Q804), or optional 10' (3m) pigtail |
| | cable for fixed color applications (P210) |
| CONTROL INPUT | SACO Video (Up to 16 bit resolution) |
| | DMX512 (8 bit resolution) DMX512 with RDM (Remote Device Management) (8 bit) |
| | On/Off without control signal for fixed colors |
| | |

OPTICAL

| COLOR SERIES | ABC: patented Adaptive Brightness Control, for more vivid single colors Red, blue, green discrete LEDs for individual color control Custom colors available | |
|-------------------------|---|--|
| LUMEN OUTPUT | From 700 to over 1500 delivered lumens (RGB full-on), depending on optics | |
| PERFORMANCE | From 30 to over 75lm/W, depending on optics | |
| REFRACTORS | Injection molded PMMA total internal reflection collimators (TIR) Variety of axial and transverse beam angles, from circular to oval light spreads Factory installed for enhanced optical precision | |
| SHOCKWAVE ACCESSORIES | | |
| EXTENSION CABLES | 10' (3m) EXT10 and 20' (6m) EXT20 fixture extension cables may be used to lengthen standard cable to a maximum of 60' (18m) IP67 quick connectors for easy connections to V-BRAIN | |
| MOUNTING | Multiple mounting and joining bracket options available See accessories guide for options | |
| OPTICAL ACCESSORIES | Multiple optical accessories are available See accessories guide for options | |
| CONTROLLERS | Multiple Shockwave video and DMX512 control options are available See accessories guide for options | |
| MORE | Please refer to accessories guide for more information | |
| ADDITIONNAL INFORMATION | | |
| CERTIFICATION | ETL listed as per UL 2108, CSA C22.2 № 250.0 CE | |

| | CE |
|----------|---|
| | IP 66, suitable for wet locations |
| | Roadway and Area Lighting Equipment Luminaire Vibration as per ANSI C136.31 |
| WARRANTY | 5 years |
| ORIGIN | Designed and made in North America |





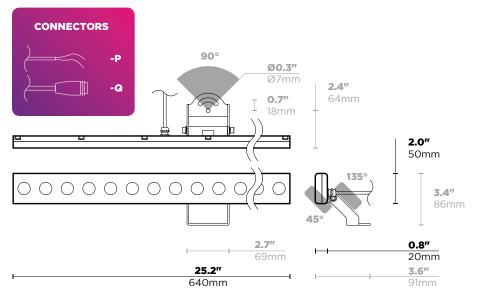




SPECIFICATIONS GUIDE



open bezel for -xn optics options



-TP MOUNTING HARDWARE VERSION, SEE ACCESSORIES GUIDE FOR MORE. (ADJUSTABILITY AND MOUNTING DIMENSIONS IN GREY)



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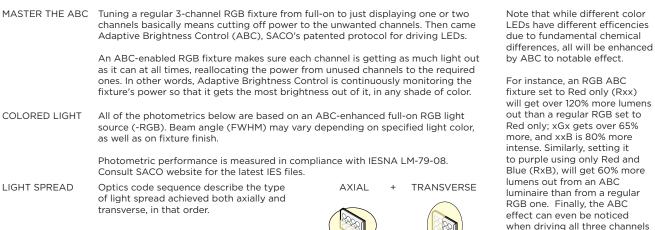
| MODEL | # |
|--|---|
| COLOR | LIGHT SOURCE |
| RGB | RGB, ABC-enabled (Max 23W, 1500Im approx. RGB, color changing) Custom, please specify (Max 23W, fixed color recipe) |
| LIGHT S | SPREAD (AXIAL + TRANSVERSE) ^{1,2} |
| N+N M+M W+W M+N W+M X+N | Narrow (Circular beam, nominal 15° TIR lens) Medium (Circular beam, nominal 30° TIR lens) Wide (Circular beam, nominal 50° TIR lens) Medium + Narrow (Oval beam, nominal 35°x15° TIR lens) Medium + Wide (Oval beam, nominal 50°x30° TIR lens) X + Narrow (Oval beam, nominal 110°x15° TIR lens, see image on left) |
| | ¹ All beam angle values (FWHM) may vary depending on specified light color. Please refer to photometric guide for corresponding beam angles. |
| | ² Factory installed. Please refer to accessories guide for field-adjustable optical accessories. |
| CONTR | OL SPECIFICATION ³ |
| SVD DMX RDM OFF | SACO Video (Up to 65,536 shades per color, dimming down to 0%) DMX512 ⁴ (Up to 256 shades per color, dimming down to 0%) DMX512 ⁴ + RDM (Up to 256 shades per color, dimming down to 0%) On/Off (No dimming) ³ Remote power supply and control gear to be ordered separately. Please refer to specification guide. ⁴ DMX addresses must be identified on order. |
| | HARNESS CONNECTOR |
| | |
| Q P | Quick connector ⁵ (8-pin, overmolded IP67) None, pigtail ⁶ (2 conductors, stripped wire ends, no connector) |
| | ⁵ Default option, 8-conductor maximum cable length is 4' (1.2m), see below. Make sure connectoric corresponds with that of remote power supply. ⁶ Description of the power supply. |
| | ⁶ 2-conductor cable compatible only, see below. |
| | HARNESS LENGTH |
| 801.2 8 203.0 2 | 8-conductor, 4' (1.2m) ⁷ 8-conductor, custom length (please specify, in meters) ⁸ 2-conductor, 10' (3m) ⁹ 2-conductor, custom length (please specify, in meters) ¹⁰ |
| | ⁷ Default length option, comes fitted with 8-pin quick connector only (-Q, see above). |
| | ⁸ Minimum 8-conductor cable length is 6" (0.15m) and maximum 10' (3m). Longer runs can be achieved using extensions. Refer to V-Brain wiring guide for details. |
| | ⁹ 2-conductor cables have pigtailed ends as standard (-P only, see above). ¹⁰ Maximum 2-conductor cable length option is 80' (24m) length. |
| SURFAC | CE FINISH |
| CLA BKA | Clear Anodized Black Anodized Custom, please specify |
| | ING HARDWARE " |
| тр | Tilt + Pan mounting bracket (Tilt 180°, Pan 90°) |
| NO | None |
| | Custom, please specify ¹¹ Tilt and pan aimable mounting bracket factory installed as standard. Please refer to accessories guide for further mounting options. |
| MOUNT | ING FINISH ¹² |
| SS | Stainless Steel |
| | Custom, please specify |
| | ¹² Bracket finish is exposed stainless steel, Custom finish to be applied to stainless steel. Consult your sales agent for compatible finishes, price and availability. |



S-DELTA-2

PHOTOMETRICS GUIDE

A NOTE ON PERFORMANCE





THE ABCS OF ADAPTIVE BRIGHTNESS CONTROL

full on: a 5% increase has been

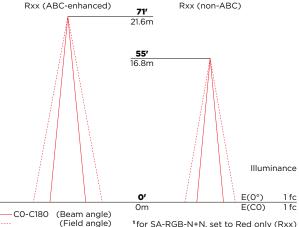
measured at SACO in-house

light lab.

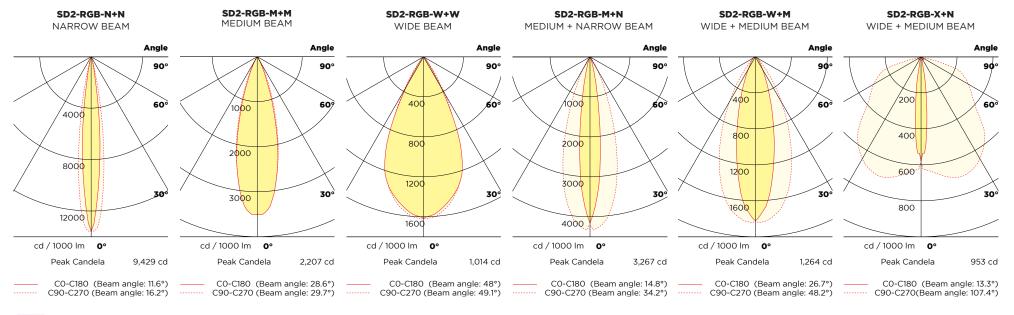


Reach Comparison Diagram 1

Maximum luminaire distance to get 1 fc illuminance on a given surface



¹for SA-RGB-N+N, set to Red only (Rxx)







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