

DATE PROJECT FIRM FIXTURE TYPE

OVERVIEW

Quad is designed to ground a space with its unique form that balances planar structure with steady curves. It is made entirely of PET materials and carefully constructed with no metal or rigid frame. Quad is offered with a useful range of optical beam spreads, lumen packages, sizes, and configurations making it an ideal product to marry solutions of lighting design and acoustic performance. Its aesthetically elegant radius not only creates visual balance but, due to Sabin's signature sewn construction, eliminates the multiple parts, extra processes, and complex assembly that are usually required to achieve this rounded edge and unique shape.



SPECIFICATIONS

SERIES	LENGTH/ WIDTH (IN) ^{1,4}	HEIGHT ¹ (IN)	CCT/CRI	CIRCUIT	DIRECT OUTPUT	CONTROL	DIRECT OPTIC	TRIM (PREMIUM ADD-ON FINISH)
QUD	12	18	927	SS SINGLE CIRCUIT	WD 1000LM	10WD 0-10V, WARM DIM ECOWD LUTRON ECOSYSTEM, WARM DIM	NS 15° NARROW SPOT SP 25° SPOT FL 40° FLOOD WF 60° WIDE FLOOD GA ⁵ +90° GENERAL AMBIENT	NT NO TRIM IN INDIGO SP SPRUCE SK SKY AZ AZURE SG SAGE EM EMERALD OL OLIVE FE FERN LM LIME TM TIMBER
	24	24	930					
	36	34	935					
	48	54	940					
	CS ²	112			LP 750LM SP 1500LM HP 2000LM VH 2500LM VVH 3000LM	10 0-10V TO 1% 10B 0-10V TO 0.1% ECO LUTRON ECOSYSTEM ELV TRIAC/ELV DALI DALI DMX DMX	DU DUNE CY CLAY CU CURRANT ST STONE SL SLATE CT CITRUS HI HIBISCUS OX ONYX	
	CH ³							

1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE SHOWN ON PAGE 2.
2 CUSTOM SIZE AVAILABLE IN 1" (25MM) INCREMENTS.
3 CUSTOM HEIGHTS AVAILABLE IN 1" (25MM) INCREMENTS.
4 QUAD IS ALWAYS SQUARE. CHOSEN DIMENSION APPLIES TO BOTH LENGTH AND WIDTH
5 GENERAL AMBIENT ONLY AVAILABLE WITH 750 AND 1500 LUMEN OPTIONS. CONTACT THE FACTORY FOR ADDITIONAL HEIGHT AND LENGTH OPTIONS.

INNER COLOR AND OUTER COLOR (CHOOSE 2)			CORD COLOR	AIRCRAFT CABLE	CANOPY	CEILING HARDWARE
15QY QUARRY	15SF SAFFRON	15FX FLAX	BK BLACK	36BK 36" BLACK AC CABLE	BK BLACK	CTB9 T-BAR CADDY CLIP, 9/16"
15SD SAND	15MY MERCURY	15BR BEETROOT	WH WHITE	36SLV 36" SILVER AC CABLE	WH WHITE	CTB15 T-BAR CADDY CLIP, 15/16"
15PM PUMICE	15GF GULF	15WS WISTERIA	SV SILVER	60BK 60" BLACK AC CABLE		CTG9 TEGULAR CADDY CLIP, 9/16"
15FL FLINT	15SP SAPPHIRE	15PN PINE	BL BLUE	60SLV 60" SILVER AC CABLE		CTH15 TEGULAR CADDY CLIP, 15/16"
15HZ HAZEL	15JD JADE		BR BRONZE	120BK 120" BLACK AC CABLE		CHS HARD CEILING
15OB OBSIDIAN	15MS MOSS		GR GREEN	120SLV 120" SILVER AC CABLE		
			RD RED			

1 INNER COLOR OPTION ONLY

COLOR

1.5MM FELT

CONTACT THE FACTORY FOR ADDITIONAL COLOR OPTIONS.



EXAMPLE PART NUMBER: QUD-3-18-935-SS-HP-10-FL-15QY-15QY-WH-60SLV-WH-CHS

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ACOUSTIC PERFORMANCE DATA

ALL SABIN PRODUCTS ARE SUBJECT TO ACOUSTIC TESTING. PERFORMANCE VALUES WILL VARY BASED ON INSTALLATION FACTORS SUCH AS DENSITY AND MOUNTING HEIGHT.

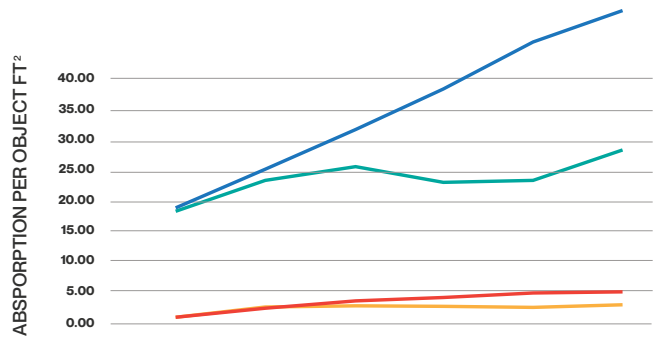
SABINS A SABIN IS A UNIT OF SOUND ABSORPTION DEFINED AS THE AMOUNT OF SOUND ABSORBED BY ONE SQUARE FOOT OF A PERFECT ABSORBER. IT WAS INITIALLY CONCEIVED AS THE EQUIVALENT OF 1 SQUARE FOOT OF OPEN WINDOW, REFLECTING NO SOUND BACK INTO THE INTERIOR. SABINS ARE USED TO EXPRESS THE TOTAL EFFECTIVE ABSORPTION FOR THE INTERIOR OF A ROOM. THIS CHART INDICATES AVERAGE SABINS PER UNIT AT THE NOTED FREQUENCIES WHICH REPRESENT THE TYPICAL RANGE OF HUMAN SPEECH OF 200-2500 HZ.

NRC NOISE REDUCTION COEFFICIENT (NRC) IS A SINGLE NUMBER VALUE RANGING FROM 0.0 TO 1.0 THAT DESCRIBES THE AVERAGE SOUND ABSORPTION PERFORMANCE OF A MATERIAL. AN NRC OF 0.0 INDICATES THE OBJECT DOES NOT ABSORB MID-FREQUENCY SOUND ENERGY, BUT REFLECTS IT. AN NRC OF 1.0 INDICATES THAT THE SOUND ABSORPTION PERFORMANCE OF THE MATERIAL IS EQUAL TO ITS SURFACE AREA (MEASURED IN UNITS SABIN), OR CONCEPTUALLY 100% SOUND ABSORPTION.

PROJECTED NRC = .95

TOTAL SOUND ABSORPTION WILL VARY BASED ON DESIGNED PRODUCT CONFIGURATION. SABIN TESTS ALL PRODUCTS IN MULTIPLE CONFIGURATIONS. PLEASE CONTACT SABIN OR YOUR LOCAL AGENT FOR MORE INFORMATION.

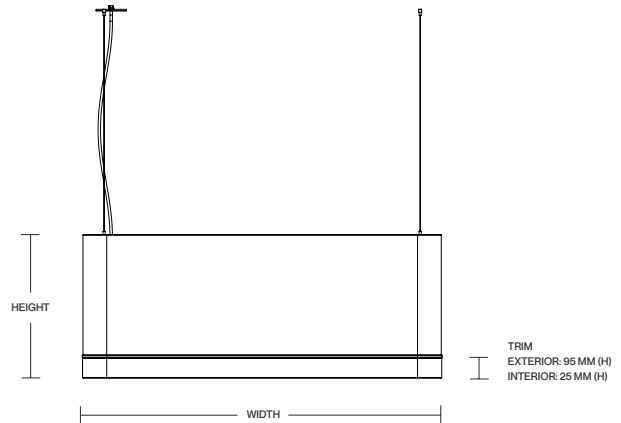
SABIN QUAD FAMILY ACOUSTIC PERFORMANCE



	125	250	500	1000	2000	4000
LIT 12 x 18	0.97	2.91	2.91	2.91	2.80	3.01
UNLIT 12 x 18	1.08	2.48	3.77	4.41	5.06	5.38
LIT 48 x 48	18.73	23.25	25.40	22.93	23.25	27.88
UNLIT 48 x 48	18.41	25.19	31.86	38.10	45.53	50.48

DIMENSIONS + WEIGHT

SERIES	HEIGHT ¹ (IN)	LENGTH/WIDTH ^{1,4} (IN)
QUD	18" (475MM)	12" (300MM)
QUAD	24" (600MM)	24" (600MM)
LIT	34" (850MM)	36" (900MM)
VERSION	54" (1350MM)	48" (1200MM)
	112" (2850MM)	CS CUSTOM SIZE ³
	CH CUSTOM HEIGHT ²	



SEE DIMENSIONS + WEIGHT TABLE FOR LIMITATIONS

1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE SHOWN IN MILLIMETERS.
2 CUSTOM HEIGHTS AVAILABLE BETWEEN 18" - 112" (475-2850MM) IN 1" (25MM) INCREMENTS.
3 CUSTOM SIZE AVAILABLE BETWEEN 12" - 48" (300-1200MM) IN 1" (25MM) INCREMENTS.
4 QUAD IS ALWAYS SQUARE. CHOSEN DIMENSION APPLIES TO BOTH LENGTH AND WIDTH.

* ALL STANDARD DIMENSIONS ARE ECO-FRIENDLY, MAXIMIZING MATERIAL USE AND MINIMIZING WASTE. CUSTOM DIMENSIONS RESULT IN EXCESS MATERIAL WASTE.

WEIGHT

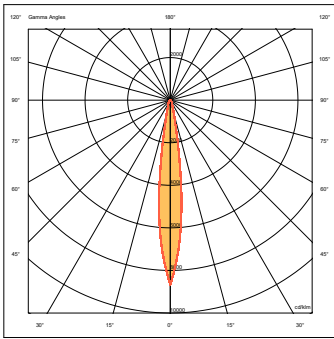
PLEASE CONSULT THE FACTORY FOR PRODUCT WEIGHTS BASED ON CONFIGURATION AND PART NUMBERS.

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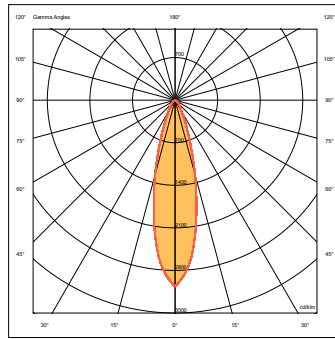
PHOTOMETRICS

*Actual Results Pending

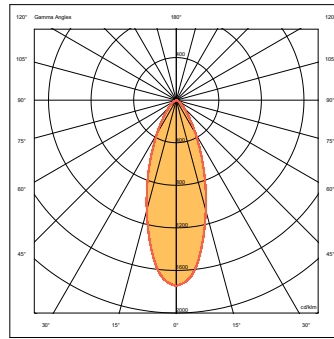
NARROW OPTIC



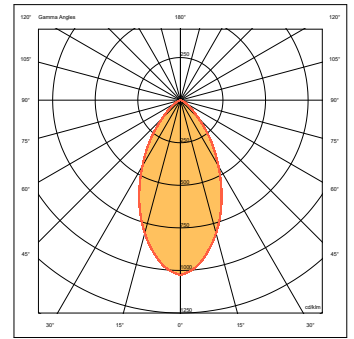
SPOT OPTIC



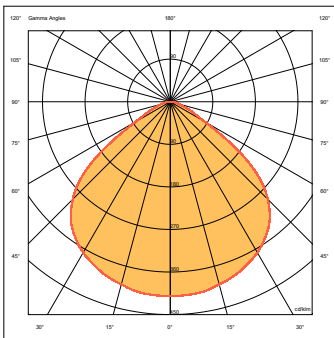
FLOOD OPTIC



WIDE OPTIC



GENERAL AMBIENT OPTIC



DELIVERED LUMENS

LUMEN PACKAGE	NARROW SPOT	SPOT	FLOOD	GENERAL AMBIENT
LP (750LM)	757	734	723	677
SP (1500LM)	1189	1153	1136	1064
HP (2000 LM)	2327	2288	2139	N/A
VH (2500LM)	2909	2860	2854	N/A
VVH (3000LM)	3490	3432	3209	N/A

*Delivered Lumens Based on a 3500K CCT.

CCT MULTIPLIER

CCT	2700K	3000K	3500K	4000K
MULTIPLIER	0.9	0.95	1.00	1.01

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ACOUSTIC MATERIAL

OUR 1.5MM PET (POLYESTER) FELT PANELS CONTAIN MINIMUM 60% POST-CONSUMER RECYCLED POLYESTER STAPLE FIBER. THE MATERIAL IS MOISTURE RESISTANT, FIRE RATED AND RECYCLABLE. THE POROUS MATERIAL IS AN OUTSTANDING ABSORBER OF ACOUSTIC ENERGY.

- FIRE RETARDANT: ASTM E84 CLASS A, EN13501 CLASS B
- DECORATIVE: 16 STANDARD COLORS
- CONSTRUCTION: 100% POLYESTER FIBER (PET)

CONSTRUCTION

A HIGHLY ENGINEERED, ROBUST ACOUSTIC LUMINAIRE COMPRISED ALMOST ENTIRELY OF RECYCLED PET PARTS AND HELD TOGETHER WITH OUR SEWN CONSTRUCTION.

LED LIGHT ENGINE

LIGHT MODULE INCORPORATES PREMIUM LEDS WITH HEAT SINK TO MAXIMUM LIFETIME. AVAILABLE IN 2700K, 3000K, 3500K OR 4000K CCT WITH >90 CRI. COLOR ACCURACY = 2.2X SDCM @ 3000K ±66K ΔUV +0.0004 STANDARD DEVIATION COLOR MATCHING (SDCM) BASED ON ANSISTANDARD C78.377A INDICATES THE VISIBLE VARIANCE IN CORRELATED COLOR TEMPERATURE, ALSO REFERRED TO AS "MACADAM ELLIPSE".

ESTIMATED USEFUL LIFETIME

L70 = 50,000 HRS

OPTICS

INJECTION MOLDED, LOW PROFILE ACRYLIC LENS DESIGNED FOR EFFICIENT AND HOMOGENEOUS LIGHT DISTRIBUTION WITH SUPERIOR COLOR OVER ANGLE PERFORMANCE. PROVIDES BEAM CONTROL DOWN TO 15° AND UP TO +90°. OPTICS ARE FIELD CHANGEABLE.

BEAM SPREAD: GENERAL AMBIENT (90°+), NARROW SPOT (15°), SPOT (25°), FLOOD (40°), WIDE FLOOD (60°), LINEAR SPREAD (40° X 20°), SOFT FOCUS

ELECTRICAL

HIGH QUALITY CLASS P ISOLATED POWER SUPPLY WITH UNIVERSAL (120-277VAC) INPUT VOLTAGE. MEETS UL OPERATION RATING DRY & DAMP (IP40) MAX 185°F (85°C) FOR 50,000 HOUR LIFE. LUMINARIES ARE PRE-WIRED WITH FACTORY INSTALLED BRANCH CIRCUIT WIRING.

POWER FACTOR:
- 0.95 @ 120VAC
- 0.90 @ 277VAC

DIMMING

STANDARD 120-277V CONSTANT CURRENT DRIVER INCLUDES 0-10V ANALOG DIMMING TO 1% OPTIONS FOR LUTRONECOSYSTEM AT 120/277V, TRIAC/ELV DALI, DMX, AND WARM DIM.

MOUNTING

SUSPENDED WITH 1/16" AIRCRAFT CABLES, COLOR MATCHING CABLE AND GRIPPERS, INSTALLED AT FACTORY. AIRCRAFT CABLES AVAILABLE IN PRECUT LENGTHS OF 36", 60", OR 120" WITH FABRIC-COVERED POWER CORD AND 5" CANOPY.

CERTIFICATES/LISTING

TESTED IN ACCORDANCE WITH NEC, ANSI/NFPA 70 STANDARDS. ETL LISTED IN ACCORDANCE WITH UL STANDARDS. INDOOR USE ONLY. SUITABLE FOR DRY LOCATIONS, IP20, ROHS COMPLIANT. TITLE 24 JA8-2016 FOR 90 CRI CONFIGURATIONS ONLY.

WARRANTY

FIXTURE RATED FOR OPERATION IN CONDITIONED ENVIRONMENTS UP TO 77°F (25°C). FIXTURE IS WARRANTIED TO BE FREE FROM DEFECTS AND/OR FAILURE UNDER NORMAL USE AND PROPER STORAGE FOR FIVE (5) YEARS FROM DATE OF SHIPMENT.

CARE

PET ACOUSTICS: REMOVE DUST WITH COMPRESSED AIR, A VACUUM OR LINT ROLLER. ALUMINUM & POLYMER COMPONENTS: REMOVE DUST AND DEBRIS WITH A CLEAN, DRY, OR DAMP LINT-FREE CLOTH.