

DATE	PROJECT	FIRM	FIXTURE TYPE
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## QUAD - LBO (LIGHT BY OTHERS) DOWNLIGHT

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 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	LBO FIXTURE TYPE	DL CEILING CUT OUT <sup>1,6</sup>	QUAD LENGTH/WIDTH <sup>1,5,7</sup>	QUAD HEIGHT <sup>1</sup>
QUD-LBO	DL DOWNLIGHT	3" (76MM) 4" (102MM) 5" (127MM) 6" (152MM) 7" (178MM) CD <sup>5</sup>	12" (300MM) 24" (600MM) 35" (900MM) 47" (1200MM) CLW <sup>2</sup>	19" (475MM) 24" (600MM) 33" (850MM) 55" (1350MM) 112" (2850MM) CH <sup>3</sup>
EXTERIOR COLOR <sup>9</sup>		INTERIOR COLOR		TRIM COLOR (OPTIONAL PREMIUM FINISH)
<b>15BR</b> BEETROOT <b>15OB</b> OBSIDIAN <b>15BS</b> BISQUE <b>15PN</b> PINE <b>15CN</b> CANARY <b>15PM</b> PUMICE <b>15FL</b> FLINT <b>15QY</b> QUARRY <b>15GF</b> GULF <b>15SP</b> SAPPHIRE <b>15HZ</b> HAZEL <b>15SD</b> SAND <b>15JD</b> JADE <b>15SF</b> SAFFRON <b>15MY</b> MERCURY <b>15SA</b> SIENNA <b>15MS</b> MOSS <b>15WS</b> WISTERIA	<b>15BR</b> BEETROOT <b>15OB</b> OBSIDIAN <b>15BS</b> BISQUE <b>15PN</b> PINE <b>15CN</b> CANARY <b>15PM</b> PUMICE <b>15FL</b> FLINT <b>15QY</b> QUARRY <b>15GF</b> GULF <b>15SP</b> SAPPHIRE <b>15HZ</b> HAZEL <b>15SD</b> SAND <b>15JD</b> JADE <b>15SF</b> SAFFRON <b>15MY</b> MERCURY <b>15SA</b> SIENNA <b>15MS</b> MOSS <b>15WS</b> WISTERIA	<b>NT</b> NO TRIM <b>FR</b> FROST <b>SH</b> SHELL <b>AZ</b> AZURE <b>HI</b> HIBISCUS <b>SK</b> SKY <b>BF</b> BLUFF <b>IN</b> INDIGO <b>SL</b> SLATE <b>CY</b> CLAY <b>IR</b> IRIS <b>SP</b> SPRUCE <b>CT</b> CITRUS <b>LM</b> LIME <b>ST</b> STONE <b>CU</b> CURRANT <b>OL</b> OLIVE <b>TM</b> TIMBER <b>DU</b> DUNE <b>OX</b> ONYX <b>WH</b> WHITE <b>EM</b> EMERALD <b>PO</b> POPPY <b>FE</b> FERN <b>SG</b> SAGE		
CORD COLOR	CABLE	CANOPY <sup>8</sup>	CEILING HARDWARE	
<b>PCBK</b> BLACK <b>PCBL</b> BLUE <b>PCBR</b> BRONZE <b>PCGR</b> GREEN <b>PCRD</b> RED <b>PCGY</b> GRAY <b>PCWH</b> WHITE	<b>36BK</b> 36" (915MM) BLACK AC CABLE <b>36SLV</b> 36" (915MM) SILVER AC CABLE <b>60BK</b> 60" (1524MM) BLACK AC CABLE <b>60SLV</b> 60" (1524MM) SILVER AC CABLE <b>120BK</b> 120" (3048MM) BLACK AC CABLE <b>120SLV</b> 120" (3048MM) SILVER AC CABLE	<b>BK</b> BLACK <b>WH</b> WHITE	<b>CTB9</b> T-BAR CADDY CLIP, 9/16" <b>CTB15</b> T-BAR CADDY CLIP, 15/16" <b>CTG9</b> TEGULAR CADDY CLIP, 9/16" <b>CTG15</b> TEGULAR CADDY CLIP, 15/16" <b>CHS</b> HARD CEILING	

1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.  
 2 CUSTOM DIAMETER AVAILABLE BETWEEN 12"- 47" (300-1200MM).  
 3 CUSTOM LENGTHS AND WIDTHS AVAILABLE IN 1" (25MM) INCREMENTS.  
 4 CUSTOM HEIGHTS AVAILABLE IN 1" (25MM) INCREMENTS.  
 5 QUAD IS ALWAYS SQUARE. CHOSEN DIMENSION APPLIES TO BOTH LENGTH AND WIDTH.  
 6 DIAMETER OF HOLE SPECIFIED IN CHOSEN DOWNLIGHT INSTALLATION INSTRUCTIONS.

7 LENGTH AND WIDTH NEEDS TO BE AT LEAST 12" (300MM) LARGER THAN THE DL CEILING CUT OUT.  
 8 5" (127MM) CANOPY PROVIDED. 2" (50.8MM) CANOPY PROVIDED UPON REQUEST.  
 9 CUSTOM THREAD COLORS AVAILABLE. CONSULT FACTORY.

SEE ADDITIONAL OPTIONS FOR SIZE, TRIM FINISH, AND CUSTOMIZATION AT [SABIN.BUILD](https://sabin.build)



EXAMPLE PART NUMBER: QUD-LBO-DL-3(76)-24(600)-19(475)-15MY-15SP-TM-PCBK-36SLV-CHS

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## SWATCHES

*Quad* utilizes 1.5mm felt and has the option to add trim and customize color for cable and thread — and cord (for lit fixtures.)

Contact the factory for additional color options.

### 1.5MM FELT



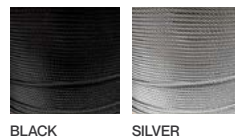
### TRIM (OPTIONAL PREMIUM FINISH)



### CORD



### CABLE



Colors are subject to slight variation from your screen or paper to the finished product.

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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.

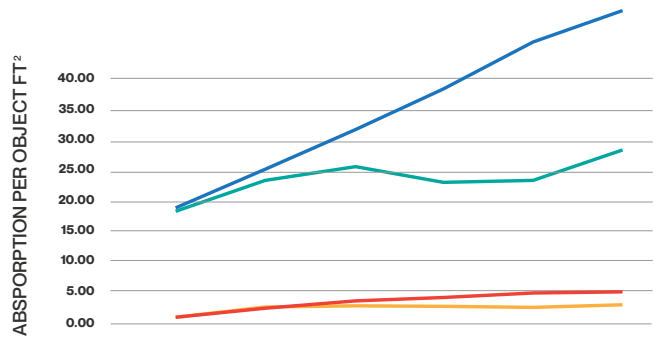
**NRC** NOISE REDUCTION COEFFICIENT (NRC) IS A SINGLE NUMBER VALUE RANGING FROM 0.0 TO 1.0 THAT DESCRIBES THE AVERAGE SOUND ABSORPTION PERFORMANCE OF A MATERIAL. AN NRC OF 0.0 INDICATES THE OBJECT DOES NOT ABSORB MID-FREQUENCY SOUND ENERGY, BUT REFLECTS IT. AN NRC OF 1.0 INDICATES THAT THE SOUND ABSORPTION 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

PROJECTED ACOUSTIC PERFORMANCE



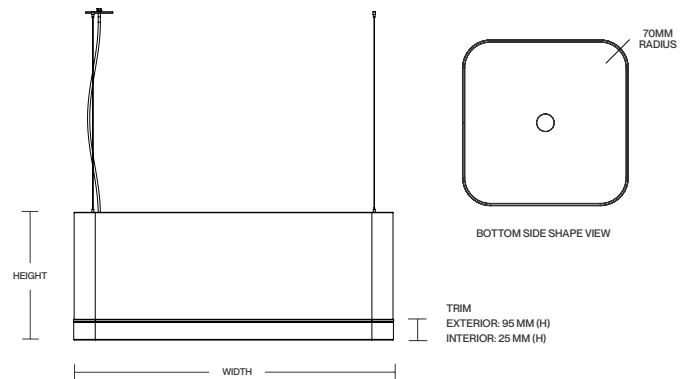
	125	250	500	1000	2000	4000
LIT 12 x 18"	0.97	2.91	2.91	2.91	2.80	3.01
UNLIT 12 x 18"	1.08	2.48	3.77	4.41	5.06	5.38
LIT 48 x 48"	18.73	23.25	25.40	22.93	23.25	27.88
UNLIT 48 x 48"	18.41	25.19	31.86	38.10	45.53	50.48

## DIMENSIONS + WEIGHT

SERIES	LENGTH/WIDTH <sup>1,4</sup>	HEIGHT <sup>1</sup>
QUD-LBO	12" (300MM)	19" (475MM)
	24" (600MM)	24" (600MM)
	35" (900MM)	33" (850MM)
	47" (1200MM)	55" (1350MM)
	CLW <sup>2</sup>	112" (2850MM)
		CH <sup>3</sup>

1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.  
 2 CUSTOM LENGTHS AND WIDTHS AVAILABLE BETWEEN 12" - 47" (300-1200MM).  
 3 CUSTOM HEIGHTS AVAILABLE BETWEEN 19" - 112" (475-2850MM).  
 4 QUAD IS ALWAYS SQUARE. CHOSEN DIMENSION APPLIES TO BOTH LENGTH AND WIDTH.

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



See Dimensions and Weight Table for Limitations

## WEIGHT

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

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## ACOUSTIC MATERIAL

OUR 1.5MM AND 9MM 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 OF ≥ 60% RECYCLED PET MATERIAL UTILIZING SEWN CONSTRUCTION TO MAXIMIZE STRENGTH, DURABILITY AND SOUND ABSORBENCY.

## 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.

## MOUNTING

SUSPENDED WITH 1/16" (1.6MM) AIRCRAFT CABLES, COLOR MATCHING CABLE AND GRIPPERS, INSTALLED AT FACTORY. AIRCRAFT CABLES AVAILABLE IN PRECUT LENGTHS OF 36" (915MM), 60" (1524MM), OR 120" (3048MM) WITH FABRIC-COVERED POWER CORD AND 5" (125MM) CANOPY.

## CERTIFICATES/LISTING

TESTED IN ACCORDANCE WITH NEC, ANSI/NFPA 70 STANDARDS. ETL LISTED FOR DRY LOCATIONS, IP20, ROHS COMPLIANT.

## 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.