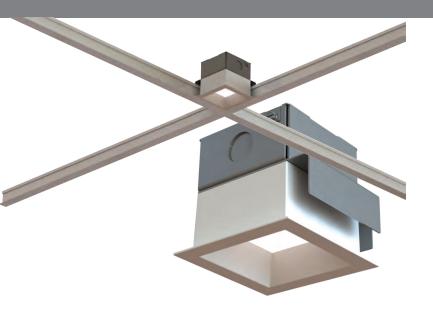
ARON™

QUAD SOLO



Shown: QuadT1-FSQ-R-...

Project:	
Type:	
Notes:	

The QUAD SOLO Luminaire features a Patented mounting system over the intersection of the ceiling grid. The Quad Solo also mounts easily in drywall with a simple spring clip design and can be mounted in the center of ceiling panels.





Patent - US Utility Patent # 10,859,242 Patent - US Design Patent # D885650

Ordering Guide





Qua	dT1						
ARO	N ID	МО	UNTING	QL	JAD TYPE		LUMENS
QuadT1	QUAD	F	Flat Grid	R	Regressed Lens	250	250 Lumens @ 3.0W
	SQUARE	00	O Ol-t O-id	DL	Drop Lens *Specify Length	500	500 Lumens @ 6.0W
	SOLO	33	Screw Slot Grid		.5" .75" 1"	750	750 Lumens @ 9.1W
		GYP	Gypsum Ceiling	ww	Wall Wash	1000	1000 Lumens @13.1W
		Р	Center of	SL	Spotlight		
			Center of Ceiling Panel	SPK	Speaker		
				SNR	Sensor		

^{**}For Drop Lens Ordering Guide, please see page 4

Important Ordering Notes:

For Armstrong Custom Tile Program - please see page 6 and coordinate with EC/ GC



ВІ	EAM	СО	LOR / CRI	VOLT	TAGE	_	DRIVER	F	INISH	EM/ACC	ESSORIES
B1	Medium		2700K - 80CRI	UNV	120 - 277V	DM	Factory 0-10V Dim 1%	W	White	E5W	5W EM Battery
B2	Wide		3000K - 80CRI 3500K - 80CRI	347	347V	вт	Bluetooth Control	BLK	Matte Black	E10W	10W EM Battery
		40K8 27K9	4000K - 80CRI 2700K - 90CRI 3000K - 90CRI	POE	Power over Ethernet	DMX	DMX Control	С	Custom Color	СР	Chicago Plenum
**Beam Fo	r Regressed Lens		3500K - 90CRI 4000K - 90CRI								
Option Onl	y.	RGBW	RGBW **Specify Static White CCT							1	

**EM Batteries are Remoted Add all Accessories/EM At the End of the Product Code.

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^{**}For Wall Wash Ordering Guide, please see page 5

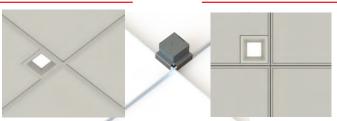
QUAD SOLO



Mounting Types

Flat TBar Mounting

Screw Slot TBar Mounting



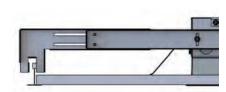
- Notate "FSQ" in Ordering Guide
- Designed for Flat 9/16" & 15/16" Grids
- Notate "SSSQ" in Ordering Guide
- Designed for Dimensional 9/16" Grids

Drywall - Trim



- Notate "GYP" in Ordering Guide
- -Designed for all Hard Lid Ceilings Spring Clip Installation

Center of Panel

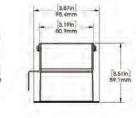


- Notate "P"in Ordering Guide
- Designed for Any Panel Size

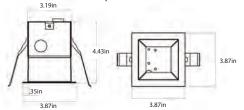
Dimensions

3.87in

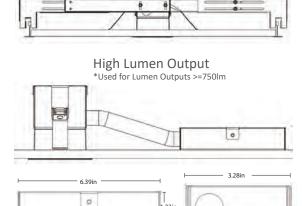
Grid



Drywall



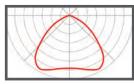
Center of Panel



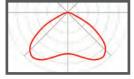
Beam Options

*Available only for the Regressed Lens Type.

With an Edge Lit optical system, ARON Lighting's diffusion technology enables different beam options to fit various downlight applications.



B2 - Medium



B3- Wide

Bluetooth Technology



With our BubblyNet OEM partnership,

With our BubblyNet OEM partnership, realize the power of bluetooth lighting control! Offering wall controlers, integrated fixture sensors, tunable white/ rgbw contol. Contact Factory for More

PoE Technology







Our Partnerships with Igor and NuLEDs offer PoE Integration using low voltage cat 5, cat 6 cabling. Contact Factory For more Information.

Construction

- Cast Aluminum housing
- Powder coated paint
- Galvanized sheet metal components
- Mate with Flat 15/16", 9/16" and Dimensional 9/16" TBars
- Drywall and Center of Panel Installation
- Weight = 4.7 lbs

Optical

- Various Beam distributions
- Coated Acrylic light guide
- Coated Acrylic diffuser
- Thermoformed Diffuse Drop
- Minimum 80 or 90 CRI
- 3000K, 3500K, 4000K
- ≤ 3 SDCM

Electrical

- Integral high efficiency driver
- 0-10V dimming (1%) standard
 - Class 2
 - Optional remote battery pack

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Side View 1

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Side View 2

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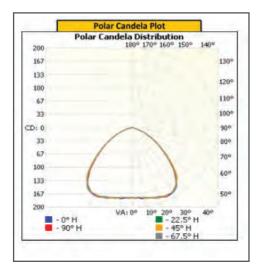
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QUAD SOLO



Model Tested: QuadT1-GYP-R-500-B2-35K8-UNV-DM-W



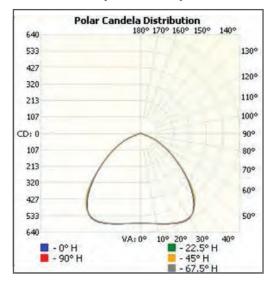
Configuration: 1 Quadrant **Lumens/Quadrant:** 480

Total Lumens: 480 Input Watts: 9 W Efficacy: 53.4 lm/W

Angle	0	22.5	45	67.5	90
0	176	176	176	176	176
5	177	176	176	176	177
10	180	180	179	179	179
15	182	182	183	183	183
20	186	185	187	188	187
25	190	190	187	190	192
30	189	188	187	189	189
35	181	180	177	178	179
40	161	159	163	158	155
45	132	132	134	130	127
50	102	102	101	101	98
55	76	77	74	75	73
60	54	55	52	54	52
65	36	37	35	36	34
70	18	20	20	19	16
75	6	6	8	6	6
80	3	3	3	3	3
85	1	1	1	1	1
90	0	0	0	0	0
95	- 0	0	0	0	0
100	0	0	0	0	0
105	0	0	0	0	0
110	0	0	0	0	0
115	0	0	0	0	0
120	. 0	0	0	0	0
125	0	0	0	0	0
130	0	- 0	- 0	0	0
135	0	0	0	0	0
140	0	- 0	0	0	0
145	0	0	0	0	- 0
150	0	0	0	0	0
155	0	0	0	0	- 0
160	0	0	0	0	0
165	D	0	0	0	0
170	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

Zone	Lumens	Luminaire
0-30	156.0	32.5%
0-40	266.6	55.5%
0-60	434.6	90.5%
60-90	45.7	9.5%
70-100	10.1	2.1%
90-120	0.0	0.0%
0-90	480.3	100.0%
90-180	0.0	0.0%
0-180	480.3	100.0%

Model Tested: QuadT1-FSQ-ARB1W35K8400-BRB1W35K8400-CRB1W35K8400-DRB1W35K8400-UNV-DM-W



Configuration: 4 Quadrant

Lumens/Quadrant: 403 Total Lumens: 1613 Input Watts: 19.77 W Efficacy: 81.6 lm/W

		Horizont	al Angles		
Vertical Angle	0	22.5	45	67.5	90
0	582	582	582	582	582
5	585	585	585	584	585
10	594	593	593	592	593
15	606	606	604	604	606
20	620	620	618	619	621
25	633	632	629	631	633
30	631	629	628	629	632
35	598	598	602	600	599
40	526	530	543	532	528
45	433	437	451	441	437
50	337	340	340	344	340
55	250	256	249	259	253
60	180	189	177	187	182
65	122	124	121	127	122
70	59	67	70	69	60
75	21	22	27	22	21
80	11	11	11	11	11
85	3	3	3	3	3

Zonal Lumens								
Zone	Lumens	% Luminaire						
0-10	56.1	3.5						
10-20	172.0	10.7						
20-30	291.1	18.0						
30-40	370.9	23.0						
40-50	338.0	20.9						
50-60	229.2	14.2						
60-70	122.3	7.6						
70-80	29.9	1.9						
80-90	4.4	0.3						

See QUAD Square Spec Sheet for Different Configurations.

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1/25/2022

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QUAD TBar



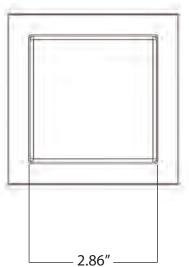
Lens Options

Drop Lens

The QUAD offers a new and unique look with its drop lens option. Made from thermoformed acrylic optimum light diffusion material, the drop lens creates a dimensional look within the ceiling while providing functional lighting. Drop lens lengths available in .5", .75", and 1"



QuadT1-F-DL1"...

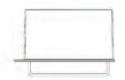


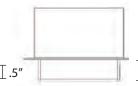
Screw Slot Grid Dimensions

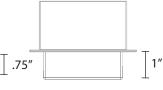
Screw Slot Grid Dimensions

1.87ini
98.4mm

Screw Slot Grid Dimensions



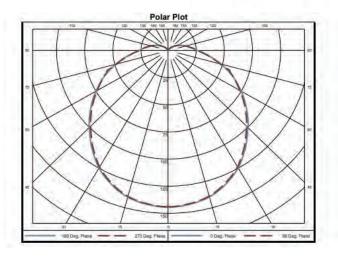




Model Tested:

QUADT1-F-DL1-500-35K8-UNV-DM-W

Zone	Lumens	% of Luminaire
0-40	187	32.7%
0-60	341	59.8%
0-90	504	88.3%
90-180	67	11.7%



Zonal Lumen Summary

Zonai Zumen Gumnary									
Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	
0-5	3.44	0.6%	60-65	35.34	6.2%	120-125	3.64	0.6%	
5-10	10.21	1.8%	65-70	32.89	5.8%	125-130	2.57	0.4%	
10-15	16.72	2.9%	70-75	29.60	5.2%	130-135	1.72	0.3%	
15-20	22.73	4.0%	75-80	25.49	4.5%	135-140	1.04	0.2%	
20-25	28.00	4.9%	80-85	21.58	3.8%	140-145	0.53	0.1%	
25-30	32.44	5.7%	85-90	17.96	3.1%	145-150	0.21	0.0%	
30-35	35.72	6.3%	90-95	14.96	2.6%	150-155	0.07	0.0%	
35-40	37.83	6.6%	95-100	12.37	2.2%	155-160	0.04	0.0%	
40-45	38.92	6.8%	100-105	10.16	1.8%	160-165	0.04	0.0%	
45-50	39.28	6.9%	105-110	8.22	1.4%	165-170	0.03	0.0%	
50-55	38.73	6.8%	110-115	6.48	1.1%	170-175	0.02	0.0%	
55-60	37.36	6.5%	115-120	4.95	0.9%	175-180	0.01	0.0%	

Drop Lens Wattage

250 250 Lumens @ 5.5W
400 400 Lumens @ 8.9W
500 500 Lumens @ 11.1W
750 750 Lumens @ 16.7W
1000 1000 Lumens @ 22.2W

QUAD Family

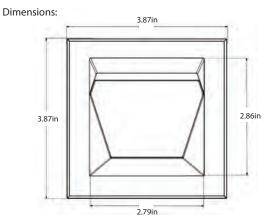


Lens Options

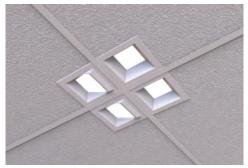
Wall Wash

General / Dimensions:

Material: Die Cast aluminum Casing, Powder Coat Finish Applications: Retail, Corridor, Restaurants, Commercial



Example Product Codes:



Page 1 QUAD Fixutre Product Code:
QUADT1-FSQ-ARB1W35K8500-BRB1W35K8500CWW1SW35K8500-DWW1SW35K8500-UNV-DM-W

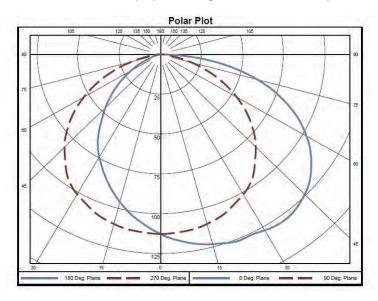


Page 1 QUAD Fixutre Product Code: QUADT1-FSQ-AX-BX-CWW1SW35K8500-DRB1W35K8500-500-B2-35K8-UNV-DM-W

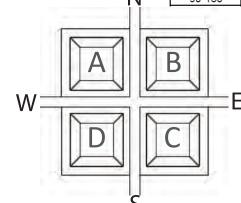


Description

The QUAD Tbar Wall Wash Quadrant allows for great illumination accross the verticle plane. The QUAD Wall Wash can be specified in a multi-directional form factor - see below for proper ordering instructions and examples.



Zone	Lumens	% of Luminaire
0-40	151	41.6%
0-60	277	76.6%
0-90	361	100.0%
90-180	0	0.0%



Specify Direction of the Wall Wash Quadrant In relation to the Fixture:

For Example, if Wall Wash quadrant is specified in Quadrant C, Specify if this will face North, East, South, or West

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SA





FASTSIZE Tile Guide

FASTSIZE tiles made-to-order through your Armstrong rep

Coordinate with EC and GC for ordering tiles



The sizes you need...factory finished...one carton minimums...

SIZE FLEXIBILITY

- 4"-48" long and 4"-120" wide for panels
- 36"-144" for main beams

24"x24" Quad Notched Tiles

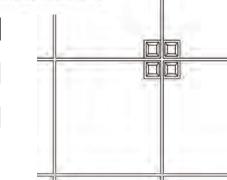
0	6"-144"	for	cross	tee
V		-	2.007	

FAST LEAD TIMES

3 weeks for panels 2 weeks for suspension systems

24 hours for quotes

24 hours for ship date confirmations



*Below ceiling view

1	Armstrong Tile Style	Tile Lay	Armstrong Tile Number	ARON Fixture	ARON Precut Tile Number
ı	Ultima/ Ultima High NRC	Square	1940	QUAD Square	1940-QSQ
-	Ultima/ Ultima High NRC	Tegular	1941	QUAD Square	1941-QSQ
ı	Lyra PB*	Square	8372PB	QUAD Square	8372PB-QSQ
-	Optima PB	Square	3352	QUAD Square	3352-QSQ
	Calla*	Tegular	2824	QUAD Square	2824-QSQ

^{*} Directional Panel - Please consider direction when ordering through Armstrong

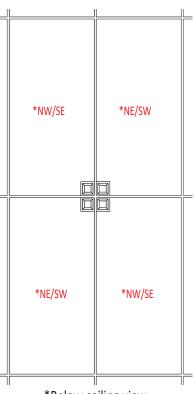
GC to Coordinate with EC and Armstrong Rep for ordering with ARON tile codes Save on Install Time and Hassle - for any questions please contact rob.aronchick@aronlighting.com

24"x48" Quad Notched Tiles

Armstrong Tile Style	Tile Lay	Armstrong Tile Number	ARON Fixture	Con figuration	ARON Precut Tile Number
Ultima/ Ultima High NRC**	Square	1943	QUAD Square	NE/SW	1943-QSQ-NESW
Ultima/ Ultima High NRC**	Tegular	1944	QUAD Square	NE/SW	1944-QSQ-NESW
Ultima/ Ultima High NRC**	Square	1943	QUAD Square	NW/SE	1943-QSQ-NWSE
Ultima/ Ultima High NRC**	Tegular	1944	QUAD Square	NW/SE	1944-QSQ-NWSE
Lyra PB***	Square	8373PB	QUAD Square	NE/SW	8373PB-QSQ-NESW
Optima PB**	Square	3353	QUAD Square	NE/SW	3353-QSQ-NESW
Optima PB**	Square	3353	QUAD Square	NW/SE	3353-QSQ-NWSE
Calla***	Tegular	2825	QUAD Square	NE/SW	2825-QSQ-NESW
Calla***	Tegular	2825	QUAD Square	NW/SE	2825-QSQ-NWSE

^{**} Please Notify AWI of 2x4 Panel Grid Notch

GC to Coordinate with EC and Armstrong Rep for ordering with ARON tile codes Save on Install Time and Hassle - for any questions please contact rob.aronchick@aronlighting.com



*Below ceiling view

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^{***}Directional Panel - Please Consider Direction when ordering through Armstrong. Notify AWI of 2x4 Panel Grid Notch

ARON™

Spotlight Ordering Guide

Beam Adjustable Ordering Code

PRODUCT ID	ССТ	LUMENS	FINISH			
Spotlight - Field Adj SP01	27K9 2700K - 90CRI 30K9 3000K - 90CRI 35K9 3500K - 90CRI 40K9 4000K - 90CRI	1200 lumens (BA)	W White BLK Black SLV Silver	STD No Dim DM 0-10V Dimming		

GX Series Ordering Code

PRODUC	TID	C	CT	LUMENS		FINISH	BE	AM ANGLE	0	IMMING
Spotlight - GX	SP02	27K9 30K9 35K9 40K9	2700K - 90CRI 3000K - 90CRI 3500K - 90CRI 4000K - 90CRI	lumens (GX10) lumens (GX15) lumens (GX25)	• • • • • • • • • • • • • • • • • • • •	White Black Silver	20 38 60	20 Degrees 38 Degrees 60 Degrees		No Dim 0-10V Dimming

Include the Quantity and Product ID on Purchase Order Beneath
QUAD Product Ordered

** See Example Product Codes

For More Information or Further Ordering Questions,
Please Consult Factory

Description

The QUAD Tbar Spotlight offers a unique solution to grid mounted accent lighting. Easily mount the fixture with or without other downlight quadrants at the intersection of any TBar grid system. There are multiple configurations available, with the ability to have 4 spotlights in 1 fixture.

We have Two OEM partners for our spotlight solution. The first, by LPA, offers a field adjustable beam angle, 14-50°, with high CRI. Available in 2700K-4000K. Obtain the perfect aim illumination angle for any solution with full horizontal rotation and up to 90° verticle adjustability.

Our Secound, by Bruck Lighting, Offers various static beam angles, with different lumen outputs. The GX series offers variable accent light solutions while achieving an architecturally clean look in the QUAD Tbar Housing.

No more track needed - just drop the fixture on the TBar.

Beam Adjustable (BA) General / Dimensions:

Light Output: Up to 1200lm

Material: Die Cast aluminum Casing, Powder Coat Finish

Aiming: 350° Horizontal Coverage and 90° Vertical Rotation

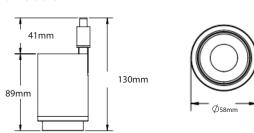
Field Adjustable Beam: 14-50°

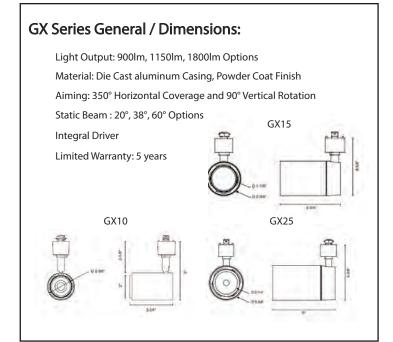
Integral Driver

Limited Warranty: 5 years

LED Type: CREE CMA 1200 lm Chip

Dimensions:





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Designed and Manufactured in the USA



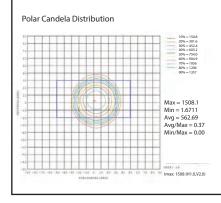
ARON™

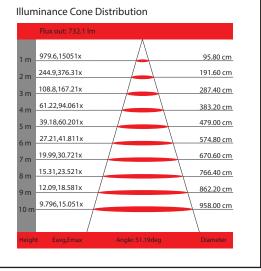
Spotlight Ordering Guide

Beam Adjustable (BA) Photometric and Performance Data

Input Voltage: 220 Wattage: 15W

Efficiency: 64.14 lm/W Current: 710mA





GX Series Photometric and Performance Data

GX10



Input Voltage: 120 AC

Wattage: 10W Efficiency: 83 lm/W GX15



Input Voltage: 120 AC

Wattage: 15W

Efficiency: 76 lm/W

GX25



Input Voltage: 120 AC

Wattage: 22W

Efficiency: 81 lm/W

See IES Files on www.aronlighting.com for Photometric Data on the GX10, 15, and 25

Example Product Codes:



Page 1 QUAD Fixutre Product Code:

QUADT1-FSQ-ASL-BX-CX-DX-500-B2-35K8-UNV-DM-W

Page 7 Spotlight Product Code:

(qty:1) SP01-40K90-1500-W-ND



Page 1 QUAD Fixutre Product Code:

QUADT1-FSQ-AR-BR-CSL-DSL-500-B2-35K8-UNV-DM-W

Page 7 Spotlight Product Code:

(qty:2) SP01-35K9-1500-W-ND

QUAD TBar

ARON

Speaker Ordering Guide

Speaker Addons					
ARON PO ID					
Sub:	SB-01				
Receiver:	RE-01				
Mixer:	MIX-01				



General / Dimensions:

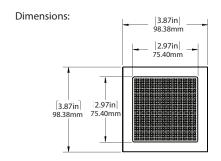
Broad Coverage Pattern: 160°

Material: Die Cast aluminum Casing, Powder Coat Finish

Driver: 60 mm (2.5 in) mid/high driver with butyl rubber surround

16-ohm allows for parallelling of multiple units on
a low-Z amplifier

Applications: Retail, Corridor, Restaurants, Commercial Grill: Many options in color and dimension for a reveal or flush aesthetic Sub: Designed to be paired with 40CS/T subwoofer-satellite system



Description

The QUAD Tbar Speaker offers a unique solution to grid mounted sound solutions. Easily mount the speaker with or without otherdownlight quadrants at the intersection of any TBar grid system. There are multiple configurations available, recommended to haveone speaker in one fixture..

No more need for cluttered ceilings at the center of the tile - just drop the fixture and speaker on the TBar. Only a single dropdown required for these various technologies!

Our speaker partner, JBL, is well renowned within the sound industry. This integrated partnership pairs great light quality with equally competitive sound quality in quite a small form factor.



Example Product Codes:



Page 1 QUAD Fixutre Product Code:QUADT1-FSQ-ASPK-BR-CR-DR-500-B2-35K8-UNV-DM-W



Page 1 QUAD Fixutre Product Code:QUADT1-FSQ-ASPK-BX-CX-DX-500-B2-35K8-UNV-DM-W

*Subwoofer, Receiver, and Mixer Available

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Designed and Manufactured in the USA



QUAD TBar

ARON[™]

Speaker Ordering Guide

Specifications and Performance Data

System:

Frequency Range (-10 dB): 140 Hz - 20 kHz

Frequency Response (± 3 dB): 180 Hz - 17 kHz lm/W

Power Capacity: 30W Continuous Program Power

15W Continuous Pink Noise

Nominal Sensitivity (2.83V/1m): 82 dB

Nominal Coverage Angle: 160° conical coverage

Directivity Factor (Q): 6.6 Directivity Index (DI): 6.8 dB

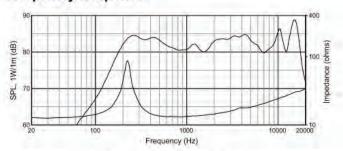
Rated Maximum SPL: 94 dB @ 1m (3.3 ft) average, 114 dB peak

Rated Impedance: 16 ohms

Transducer

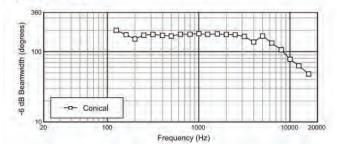
Driver: 60 mm (2.5 in) with polypropylene cone, butyl rubber surround, copper-clad coil, vented aluminum former

Frequency Response:

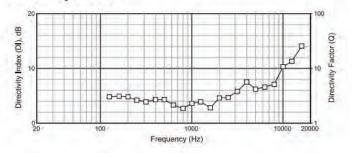


Half-space (2pi, mounted in ceiling)

Beamwidth:



Directivity Index:



Off-Axis Frequency Response:

