## ARON<sup>™</sup>

Shown: QuadT1-FSQ-ARB240K8500-BRB240K8500-CRE 1. ARON ID QUADT1 QUADT1 QUADT1 QUAD FSQ Flat Grid - Square SSSQ Screw Slot Grid - DWSQ Drywall Trim - Sq DW Only Available in 4 or 1 quare	system over the inter Quad is a modular Do different configura aesthet SEE PAGE 6 For *FASTSIZE tiles made-to- order through your Armstrong rep. Contact Armstrong for compatible tiles 240K8500-DRB240K8500 YPE	features a Patented mountinersection of the ceiling grid. The ownlight fixture that allows for ations based on optical and the requirements.	ne
LED A "EX. RB1 W35K8 500 -OR- Device Add. Spec IOT A "EX. Light Source RB1 Regressed Lens - Beam 1 Medium RB2 Regressed Lens - Beam 2 Wide "Reference Page 3 for beam distributions. DL Drop Lens " Specify Drop Length (.5", 75", 1") "Reference Page 9 and enter Spotlight "Reference Page 9 and enter Spotlight Specification as separate line item on PO WH Wall Wash Beam 1	4. QUADRANT B           ght Source         CCT/CRI         Lum           RB1         W35K8         50           Device         Add. Spec           Device         Add. Spec           CCT/CRI	c	D SPK IOT SPK IOT SPK SPEAker *Reference Page 11 and enter Speaker Code in Add. Spec SNR Sensor W SEC Security Contact Factory For Detials Security Camera Code in Add. Spec SEC Security *Contact Factory For Different Paint Color Options of IoT Devices - White Color Standard t lumen ture 30K8300 35K8 with ges, Refer
7. VOLTAGE       8. DRIVER/CONTROL         EX.       UNV         UNV       120-277V         347       347V         POE       Power over         Ethernet       BT         BLUEtooth         DMX         DMX         System         **See Page 3 for Bluetooth         Information. Consult Factory	9. FINISH EX. W W Matte White BLK Matte Black C1 Custom Color (Specify RAL) C2 Custom Color (Trim & Bevel Different Colors) *Contact Factory C2- Custom Trim & Bevel	10. EM/OPTIONS         EM10         E10W       Emergency 10W; Integral         ICC       Independent Quadrant Dimming Control (Max 2 Dimming Channels)         CP       Chicago Plenum	EXAMPLE Fixture
ARON Lighting reserves the right to make any design changes for continuous improvement which will not affect the overall appearance, performance or pricing.	Page 1/12	1/25/2022 Manufactured in the USA	2022 ARON Lighting aronlighting.com 484.681.5687

Designed and Manufactured in the USA

|

# **ARON**<sup>™</sup>

### Housing Types



Flat Housing

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

#### **Screw Slot Housing**



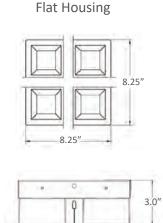
- Notate "SSSQ" in Ordering Guide - Designed for Dimensional 9/16" Grids

#### **Drywall Housing**



- Notate "DWSQ" in Ordering Guide

### **Dimensions**



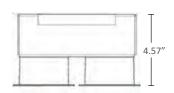
#### Screw Slot Housing

#### **Drywall Housing**

7.75"

#### **EM Housing**

\*Height Dimension for all housing Types with EM Battery



\*Used for RGBW & EM Options

#### Construction

- Cast Aluminum housing
- Powder coated paint
- Galvanized sheet metal
- components
- Mate with Flat 15/16", 9/16" and Dimensional 9/16" TBars

#### Optical

3.0"

- Symmetric and asymmetric distributions
- Coated Acrylic light guide
- Coated Acrylic diffuser
- Minimum 80 or 90 CRI
- 3000K, 3500K, 4000K
- ≤ 3 SDCM

#### Electrical

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

3.1in

- Optional remote battery pack

#### Weight

4Q = 10 lbs 3Q = 8.5 lbs 2Q = 7.0 lbs 1Q = 5.5 lbs

ARON Lighting reserves the right to make any design changes for continuous improvement which will not affect the overall appearance, performance or pricing.

#### Page 2/12

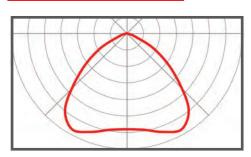
1/25/2022

2022 ARON Lighting aronlighting.com 484.681.5687



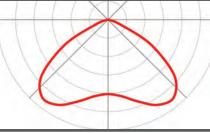
### Beam Options

\*Contact factory for custom configurations\*

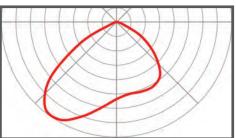


**RB1** - Medium

Fivture Wattages



**RB2-Wide** 



WW- Wall Wash Asymmetric \*See Page X

I INTUI E Wattage	RB2 Lensing		
		Lumens/Fixture	Watts/Fixture
Lumens/Quadrant	Watts/Quadrant	750	9.0
125	1.53	1000	12.0
250	3.0	1500	18.1
500	6.0	2000	24.1
750	9.0	2500	30.1
		3000	35.8

#### **Bluetooth Technology**





\*Fixture Wattage Tested with

With our BubblyNet OEM partnership,

realize the power of bluetooth lighting control! Drivers

Offering wall controlers, integrated fixture sensors, tunable white/ rgbw contol. Contact Factory for More Information



tion using low voltage cat 5, cat 6 cabling. Contact Factory For more Information.

ARON Lighting reserves the right to make any design changes for continuous improvement which will not affect the overall appearance, performance or pricing.

Page 3/12

1/25/2022

2022 ARON Lighting aronlighting.com 484.681.5687



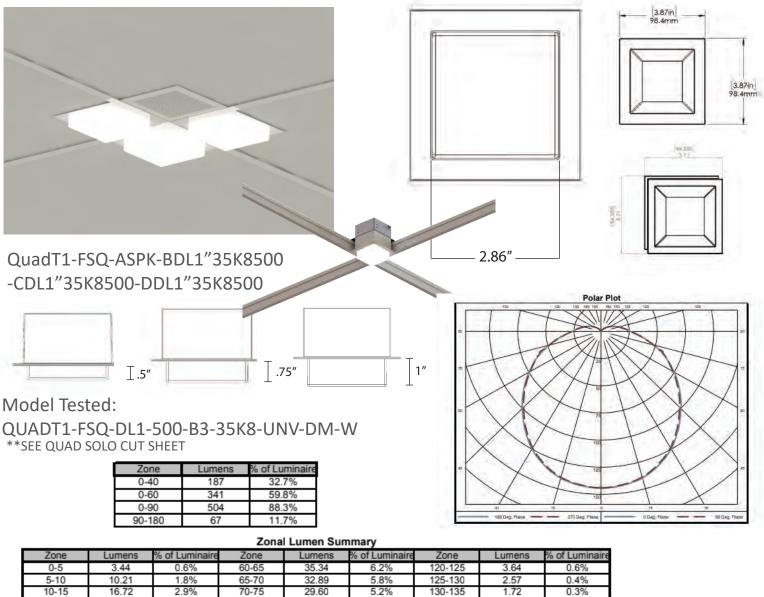
Designed and Manufactured in the USA

**ARON**<sup>™</sup>

### 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"



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%
_								

ARON Lighting reserves the right to make any design changes for continuous improvement which will not affect the overall appearance, performance or pricing.

#### Page 4/12

1/25/2022

2022 ARON Lighting aronlighting.com 484.681.5687



**ARON**<sup>™</sup>

# ARON<sup>™</sup>

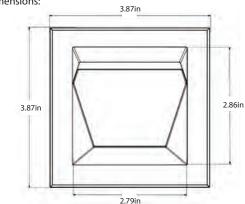
### Lens Options

#### 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-BRB1W35K8500-CWW1SW35K8500-DWW1SW35K8500-UNV-DM-W



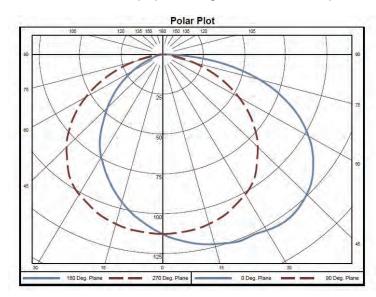
Page 1 QUAD Fixutre Product Code: QUADT1-FSQ-AX-BX-CWW1SW35K8500-DRB1W35K8500-500-B2-35K8-UNV-DM-W

ARON Lighting reserves the right to make any design changes for continuous improvement which will not affect the overall appearance, performance or pricing.



#### Description

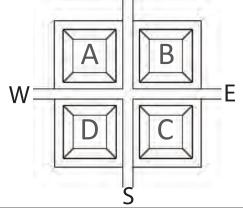
The QUAD Tbar Wall Wash Quadrant allows for great illumination accross the verticle plane. The QUAD Wall Wash can be specified in a multi-directional form factor - see below for proper ordering instructions and examples.



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



1/1/22

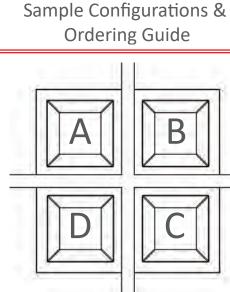
Designed and Manufactured in the USA

Page 5/12

2022 ARON Lighting aronlighting.com 484.681.5687



# ARON<sup>™</sup>



- Match labeled quadrant with corresponding column on ordering guide.

- Notate "RB1, RB2" to use quadrant with regressed lens.

-Notate "SL" to use quadrant with Spotlight

-Notate "DL" And Specify Drop Length to use quadrant with Drop Lens

-Notate "WW1, WW2" to use quadrant with Wall Wash Lensing (Must Specify Direction of light using (N,E,S,W).

-If chosing a lighting application quadrant, specify CCT & Lumens Per Quadrant

-If chosing an IoT Application notate "SPK, SNR, SEC" And list any additional IoT device specification in quadrant

- Notate "X" to omit quadrant from fixture.

Important Ordering Notes: For Armstrong Custom Tile Program please see page 7 and coordinate with EC/GC

- Coordinate lighting fixture install with ceiling contractor

ARON Lighting reserves the right to make any

design changes for continuous improvement

which will not affect the overall appearance,

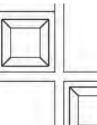
- Contact your local Armstrong representative for Made-To-Order ceiling tiles. (See page 6)

performance or pricing.

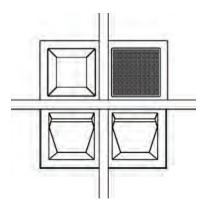
Notes:

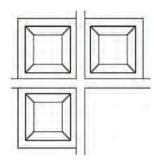
M

QuadT1-FSQ-ARB1W35K8500-BRB1W35K8500-CRB1W35K8500-DRB1W35K8500.....

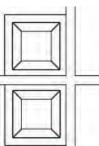


QuadT1-FSQ-ARB1W35K8500-BX-CRB1W35K8500-DX.....

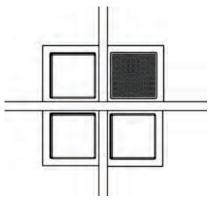




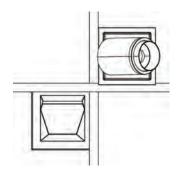
QuadT1-FSQ-ARB1W35K8500-BRB1W35K8500-CX-DRB1W35K8500.....



QuadT1-FSQ-ARB1W35K8500-BX-CX-DRB1W35K8500.....



QuadT1-FSQ-ADL1"3W5K81000-BSPK-CDL1"35K81000-DDL1"35K81000.....



QuadT1-FSQ-AX-BSL35K91000-CX-DWW1SW35K8750.....

Page 6/12

1/25/2022

Designed and Manufactured in the USA

QuadT1-FSQ-ARB1W35K8500-BSLW35K91000-

CSNR-DSLW35K8500.....

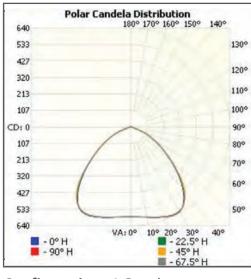
2022 ARON Lighting aronlighting.com 484.681.5687



QuadT1-FSQ-ARB1W35K8500-BSPK-CWW1SW35K8750-DWW1SW35K8750.....

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 Im/W

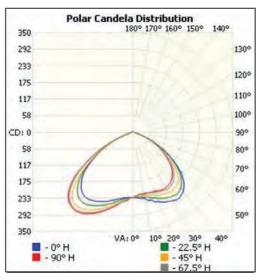
Ш	

		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
90	0	0	0	0	0

	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						

**ARON**<sup>™</sup>

#### Model Tested: QuadT1-FSQ-ARB1W35K8400-BX-CX-DRB1W35K8400-UNV-DM-W



Configuration: 2 Quadrant Parallel Lumens/Quadrant: 422 Total Lumens: 845 Input Watts: 9.76 W Efficacy: 86.6 Im/W

ARON Lighting reserves the right to make any design changes for continuous improvement which will not affect the overall appearance, performance or pricing.

		Horizont	al Angles		
Vertical Angle	0	22.5	45	67.5	90
0	229	229	229	229	229
5	232	225	227	223	221
10	236	233	226	223	219
15	247	239	229	221	220
20	260	248	237	225	221
25	271	257	241	230	226
30	279	264	244	234	227
35	283	267	244	231	223
40	273	260	241	221	212
45	253	240	225	202	194
50	218	210	190	174	168
55	170	166	146	140	134
60	122	120	105	104	100
65	76	76	68	68	67
70	33	38	38	37	34
75	13	13	16	14	14
80	7	7	7	8	8
85	2	2	2	3	3
90	0	0	0	0	0

	Zonal Lumens						
Zone	Lumens	% Luminaire					
0-10	22.3	2.6					
10-20	70.5	8.3					
20-30	125.3	14.8					
30-40	177.5	21					
40-50	197.1	23.3					
50-60	155.2	18.4					
60-70	77.3	9.1					
70-80	17.2	2					
80-90	2.9	0.3					

Page 7/12

1/25/2022

2022 ARON Lighting aronlighting.com 484.681.5687



# ARON<sup>™</sup>

## **Spotlight Ordering Guide**

#### Beam Adjustable Ordering Code

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

#### GX Series Ordering Code

PRODUCT ID	ССТ	LUMENS	FINISH	BEAM ANGLE	DIMMING
Spotlight - GX SP02	27K9 2700K - 90CRI 30K9 3000K - 90CRI 35K9 3500K - 90CRI 40K9 4000K - 90CRI	900 lumens (GX10) 1150 lumens (GX15) 1800 lumens (GX25)	BLK Black	20 20 Degrees 38 38 Degrees 60 60 Degrees	STD No Dim DM 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

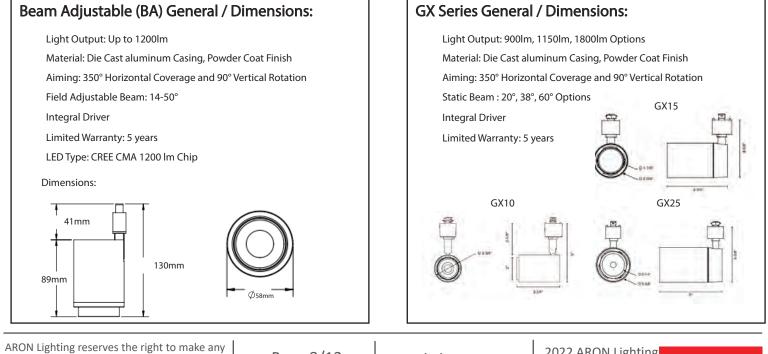
#### Description

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.



ARON Lighting reserves the right to make any design changes for continuous improvement which will not affect the overall appearance, performance or pricing.

Page 8/12

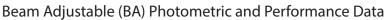
1/1/22

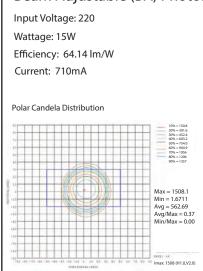
Designed and Manufactured in the USA

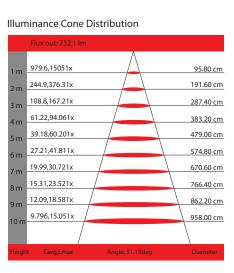
2022 ARON Lighting aronlighting.com 484.681.5687

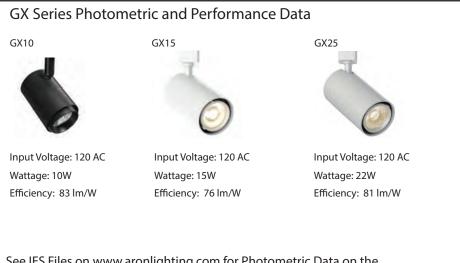
## **Spotlight Ordering Guide**

# ARON<sup>™</sup>









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

ARON Lighting reserves the right to make any design changes for continuous improvement which will not affect the overall appearance, performance or pricing.

Page 9/12

1/1/22

2022 ARON Lighting aronlighting.com 484.681.5687



# ARON<sup>™</sup>

## **Speaker Ordering Guide**

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

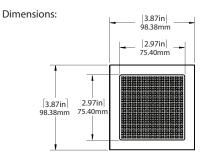
#### General / Dimensions:

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.





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

**Example Product Codes:** 

ARON Lighting reserves the right to make any design changes for continuous improvement which will not affect the overall appearance, performance or pricing.

Page 10/12

1/1/22

2022 ARON Lighting aronlighting.com 484.681.5687



Designed and Manufactured in the USA

ا Manufactured in the USA ا

# ARON<sup>™</sup>

## **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

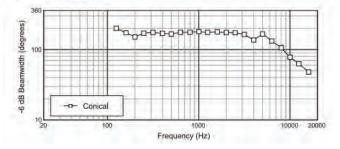
Directivity Index (DI): 6.8 dB

Rated Maximum SPL: 94 dB @ 1m (3.3 ft) average, 114 dB peak Rated Impedance: 16 ohms

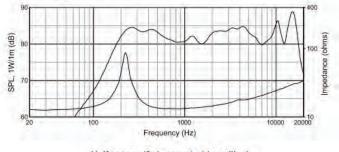
Transducer

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

#### Beamwidth:

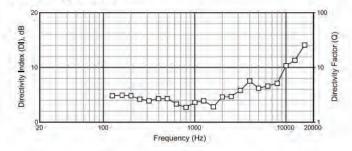


#### **Frequency Response:**

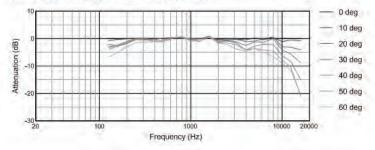


Half-space (2pi, mounted in ceiling)

#### **Directivity Index:**



#### **Off-Axis Frequency Response:**



ARON Lighting reserves the right to make any design changes for continuous improvement which will not affect the overall appearance, performance or pricing.

Page 11/12

1/1/22

2022 ARON Lighting aronlighting.com 484.681.5687

