

HILO

ARON™
Light Delivered™



Project: _____

Type: _____

Notes: _____

HILO | Designed in collaboration with paper-folding artist Peter Dahmen, HILO translates complex folding geometry into a high-performance architectural ceiling system. Its modular, three-dimensional profile interlocks to create a continuous, undulating plane that enhances the interplay of light and shadow while delivering effective acoustic performance. Faceted surfaces diffuse sound, and the porous substrate provides targeted absorption to reduce reverberation and improve overall comfort.

Now integrated with ARON Lighting's edge-lit optical system in a linear form, HILO seamlessly incorporates illumination within the geometry—delivering clean, uniform light that blends perfectly with the tile for a cohesive visual and acoustic solution.



Ordering Guide

EDGEHILO									
ARON ID		CEILING TYPE		LUMENS/ft		BEAM		COLOR / CRI	
EDGEHILO	EDGE HILO	F15	Flat Grid - 15/16"	300	300 lm/ft	B1	Symmetric	30K8	3000K - 80CRI
			F9	Flat Grid - 9/16"	400		400 lm/ft	30K9	3000K - 90CRI
		500			500 lm/ft		35K8	3500K - 80CRI	
		750			750 lm/ft		35K9	3500K - 90CRI	
		850			850 lm/ft		40K8	4000K - 80CRI	
		1000			1000 lm/ft		40K9	4000K - 90CRI	
		1500	1500 lm/ft	TW	Tunable White				
						RGBW	RGB White		
								**TW range 2700K-6500K	
				*Consult Factory for Other Lumen Packages *Wattage Calculated w/ CCT of 35K8					

VOLTAGE		DRIVER		ACCESSORIES/RATINGS		TILE COLOR	
UNV	120-277V	DM	Factory 0-10V, Dim 1%	E5W	5W EM Battery	####	Specify Acoustic Tile Color Code (FACT Design)
347	347 V	BT	Bluetooth	E10W	10W EM Battery		
		ELD	EldoLED .1% Dimming	AWN R	Athena Wireless Node RF only		
		*contact factory for other driver, dimming and control options		AWNS	Athena Wireless Node with sensor		
		**Consult Factory for Bluetooth control options				**See Page 3	

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

Page 1/4

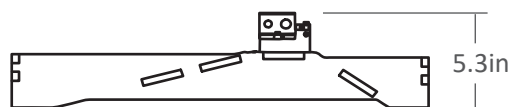
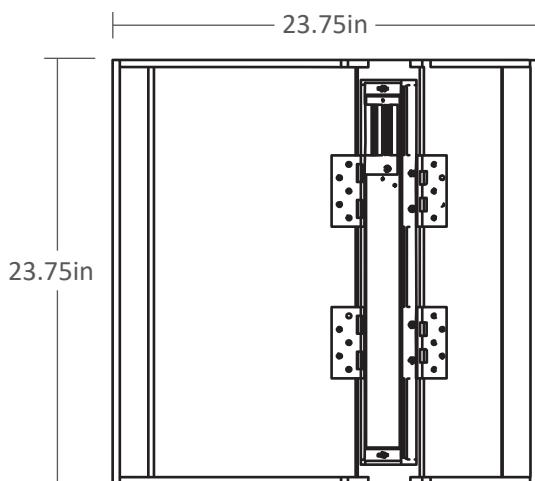
8/27/2026

Designed and Manufactured in the USA

2024 ARON Lighting
aronlighting.com
484.681.5687

ARON

Application Sizes



Construction

- Optic: Edge lit light guide
- Lens: Volumetric Diffusion lens
- Fixture Housing: Extruded Aluminum
- Acoustical felt tile housing
- Driver Box: Galvanized 18 gauge sheet metal

Optical

- Symmetric and asymmetric distributions
- Cast acrylic light guide
- Extruded volumetric diffuser
- Minimum 80 or 90 CRI
- 3000K, 3500K, 4000K
- ≤ 3 SDCM

Electrical

- Integral high efficiency driver
- 0-10V dimming (1%) standard
- Class 2
- Optional battery pack
- Tunable White Drivers
- L90: 90,000 Hours
- L70: 185,000 Hours
- Various Control and Driver Options
- *Contact factory

Acoustic Tile Properties

Material

9mm Polyester (PET) Felt +/- .35"

Size

2x2: 23.75" x 23.75"

Note: 6" clearance required above grid

Environmental

60% pre-consumer recycled content

Flammability

ASTM E84 Class A Certified /
CAN/ULC-S102.2

Acoustics

Closed plenum installation

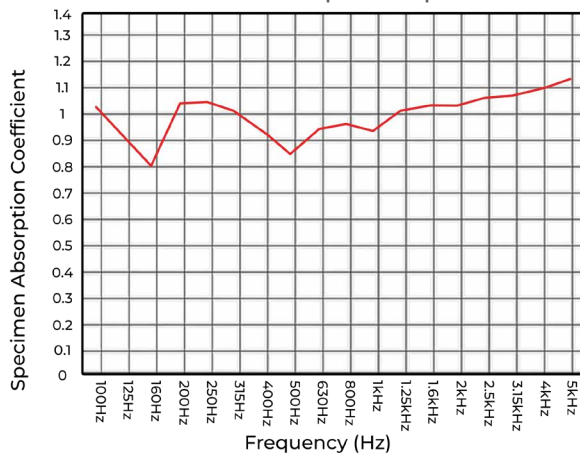
Test method – ASTM E795-16 Type

E-400 Mounting closed tile – NRC 1.0



FACT

Sound Absorption Report



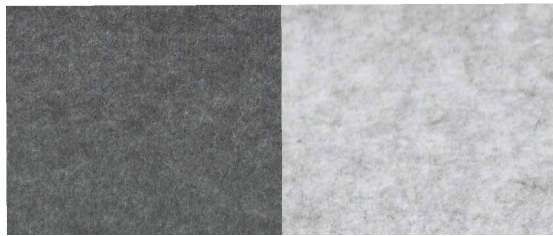
Acoustic Tile Colors



Additional Accent Color Options

The following collections from Camira can be used in addition to our standard colors to add accents to your design. Contact us at samples@fact.design and we will have the samples sent to you. There is a 20 tile min. per color for this option

For other tile and pattern options, visit
www.fact.design



Closeup to show texture

Standard colors shown below



Light Gray

Medium Gray

Dark Gray

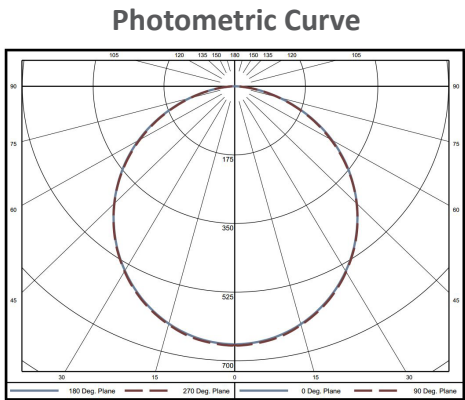
Warm Gray

Blue



Model Tested: EDGEHILO-F15-450-B1-35K8-UNV-DM

EDGEHILO-F15-850



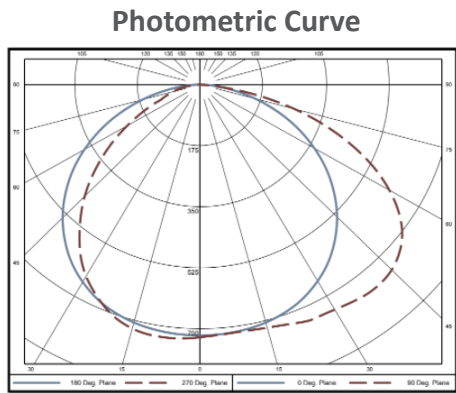
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	659	659	659	659	659
5	654	656	654	654	657
15	627	629	627	627	630
25	577	579	577	577	580
35	508	508	507	506	509
45	424	422	423	421	423
55	329	326	326	324	326
65	223	222	220	218	219
75	115	115	114	113	113
85	26	26	26	26	26
90	5	4	4	4	4

Zone	Lumens
0-10	62
10-20	177
20-30	266
30-40	318
40-50	326
50-60	291
60-70	218
70-80	121
80-90	32

Vertical Angle	Horizontal Angles		
	0	45	90
45	9691	9665	9678
55	9261	9177	9183
65	8536	8412	8395
75	7216	7135	7075
85	4868	4947	4819

Length: 4ft
 Lumens/ft: 453
 Total Lumens: 1812
 Input Watts: 17.1 W
 Efficacy: 105.7 lm/W

Model Tested: EDGEHILO-F15-600-B2-35K8-UNV-DM



Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	724.2	724.2	724.2	724.2	724.2
5	717.8	725.4	719	719.7	718.9
15	706.4	716.6	713.6	719.9	721.4
25	677.5	700	713.6	736.1	742
35	622.7	667.6	700.3	735.5	753.8
45	540.6	605.3	647.7	718.2	750.8
55	433.1	498	556.4	640.7	678.7
65	304.4	355.3	410.7	480.7	511.1
75	164	197.7	227.5	259	272
85	40.2	45.8	36.9	22.5	16.3
90	0.9	0.8	0.7	0.7	0.7

Zone	Lumens
0-10	69.00
10-20	202.80
20-30	320.60
30-40	404.90
40-50	439.10
50-60	408.60
60-70	310.30
70-80	171.80
80-90	37.30

Vertical Angle	Horizontal Angles		
	0	45	90
45	11210	13430	15560
55	11070	14220	17340
65	10560	14240	17730
75	9285	12880	15400
85	6757	6207	2742

Length: 4ft
 Lumens/ft: 592
 Total Lumens: 2365
 Input Watts: 32.5 W
 Efficacy: 105.1 lm/W
 L90: 90,000 Hours
 L70: 185,000 Hours