

HILO



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.

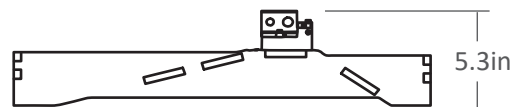
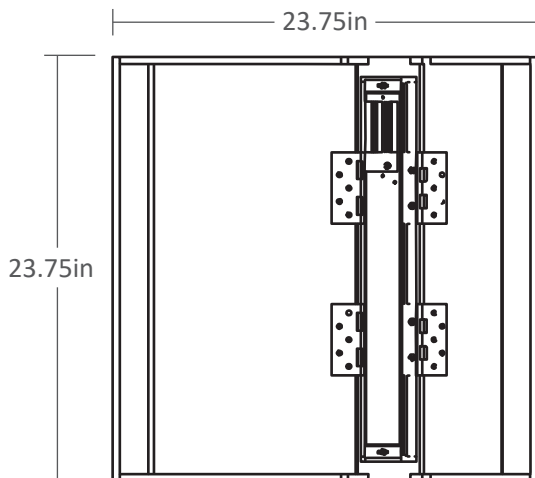


Ordering Guide

| EDGEHILO | | CEILING TYPE | | LUMENS/ft | | BEAM | | COLOR / CRI | | | |
|---|-----------|--------------|--------------------|-------------------|-------------|-----------|------------|-------------|---------------|-------------|---------------|
| ARON ID | | | | | | | | | | | |
| 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 | B2 | Asymmetric | 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 *contact factory for other driver, dimming and control options | | | | |
| | | | **Consult Factory for Bluetooth control options | | | **See Page 3 | | |

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

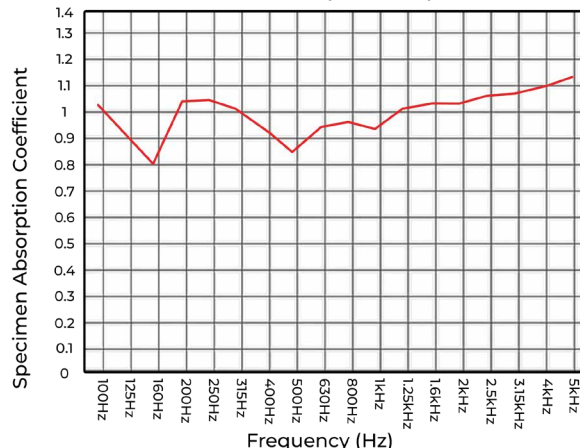
Closed plenum installation

Test method – ASTM E795-16 Type

E-400 Mounting closed tile – NRC 1.0



Sound Absorption Report



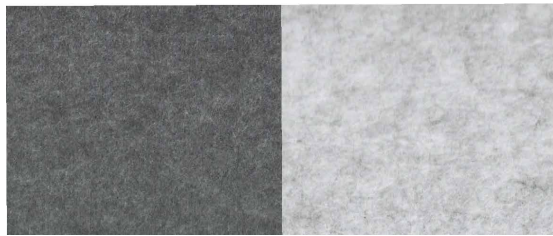
Acoustic Tile Colors



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

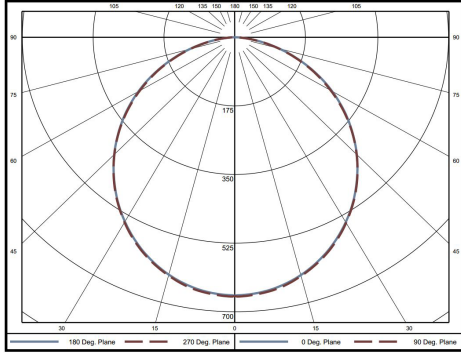
Standard colors shown below



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

EDGEHILO-F15-850

Photometric Curve



Candela Distribution

| 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 |

Zonal Lumens

| 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 |

Luminance Data (cd/m²)

| 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

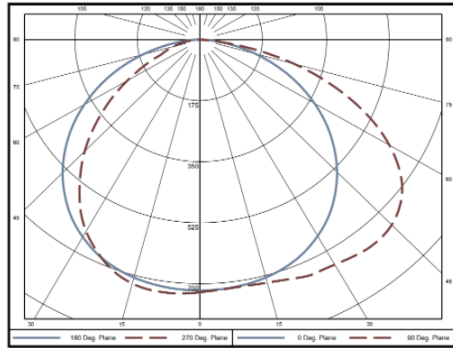
Total Lumens: 1812

Input Watts: 17.1 W

Efficacy: 105.7 lm/W

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

Photometric Curve



Candela Distribution

| 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 |

Zonal Lumens

| 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 |

Luminance Data (cd/m²)

| 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

L90: 90,000 Hours

Efficacy: 105.1 lm/W

L70: 185,000 Hours