



Heather Grey



GEM ACOUSTIC CLUSTER

Gem Acoustic Cluster utilizes a multi-port canopy with three drops. A striking fusion of light and sound control, Gem Acoustic's diamond-shaped PET felt fins frame a central luminaire at the core, delivering focused illumination and sound absorption without compromise. Ideal for open-plan offices, hospitality, and collaborative spaces — suspended as an individual statement piece or arranged in clusters. Sculptural elegance with functional performance.

Other Gem models: Gem Acoustic (Model #: 2756),
Gem Acoustic - Unlit (Model #: 2757).



GEM ACOUSTIC CLUSTER

STANDARD SPECIFICATIONS

HOUSING + ACOUSTIC FINS + CANOPY

Extruded aluminum cylinder and heat sink. Steel canopy housing in Circle-Square-Hex shapes with aluminum cover plate. 60% Recycled PET acoustic felt fins, 9mm thick.

BEZEL + OPTIC

Cast aluminum bezel with an ultra slim 1.5" aperture, offered in a variety of finishes. Optic is regressed inside bezel to reduce glare and is offered in multiple beam spreads. Anti-glare honeycomb louver available - refer to options section.

LED PERFORMANCE

120-277V, 0-10V dimmable, 90+ CRI, L90 (Per TM-21) > 50,000 hrs, L70 (projected) > 100,000 hrs
Color consistency: 3 SDCM. Operating ambient temperature: 35°C / 95°F Max.

Individual drop delivered lumens noted in 3500K, standard bezel, White finish.
Multiply lumens by drop quantity for total system output.
Note: Black bezel finish results in approx. 6%-10% lumen loss.

Code	60° Beam	36° Beam	24° Beam	18° Beam
U08	805 lm x 3	745 lm x 3	805 lm x 3	835 lm x 3
U10	975 lm x 3	900 lm x 3	930 lm x 3	965 lm x 3
U12	1130 lm x 3	1045 lm x 3	1050 lm x 3	1090 lm x 3
U16 ²	1400 lm x 3	1300 lm x 3	NA*	NA*

¹Unavailable on 18°/24° Beams.

SUSPENSION

Power cord drop (10-ft standard, field-cuttable). 20-ft cord available, see Options section. Max fixture weight: 40 lbs.

MOUNTING

Anchored to ceiling (hardware by others). Wired to j-box or conduit entry. Driver(s) integral to canopy. Indoors only.

FINISH

Parts are prepared using a three step pre-treatment/cleaning process, followed by a durable powder coat finish.

CUSTOMIZATION

Pick your canopy shape, fin shape, colors, distribution, and more. Each drop is identical on this model. For further customization, such as multiple fin shapes and colors on the same canopy, contact factory. Additional charges and extended lead time may apply.

ACOUSTIC MATERIAL INFORMATION

9mm fins are 100% polyester [PET] containing up to 60% recycled plastic material. ASTM E-84 Class A fire rating. Slight color and surface deviations due to high degree of recycled fiber are an inevitable characteristic and do not claim warranty services. Material color varies from screen to print. Contact factory for swatch samples. Color offering subject to change without notice.

ACOUSTIC PERFORMANCE TESTING

Fixtures tested in accordance with ASTM C423-23: "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method." Gem F20 was tested - data was extrapolated for other sizes based on square footage of absorbing material. Weighted sound absorption coefficient of the PET material = .85.

ACOUSTIC MATERIAL CLEANING

Remove dust with soft, lint-free cloth or vacuum. Remove stains using water and mild soap with a clean cloth or sponge and allow to air dry. Do not aggressively scrub material.

WARRANTY

5 year limited warranty on this LED product. Consult factory for details.

PROJECT:

MODEL #:

FIXTURE TYPE:



CANOPY OPTIONS



Circle [CRL]
24" dia. x 1.75" h



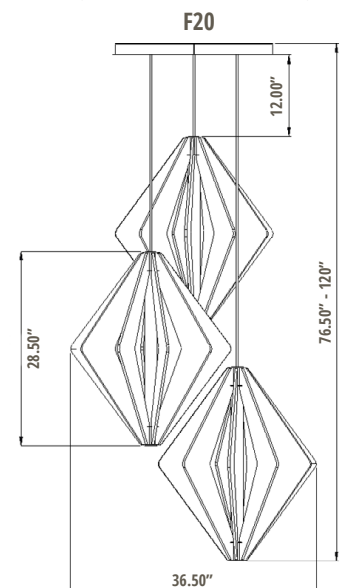
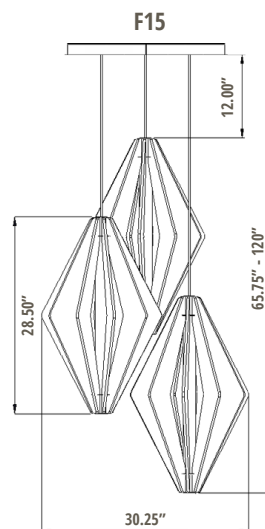
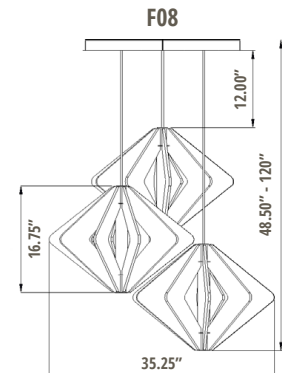
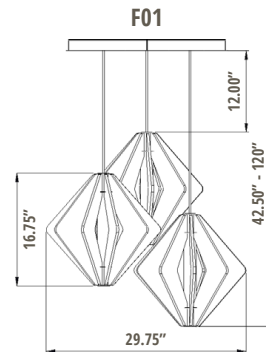
Square [SQU]
24" W x 1.75" h



Hexagon [HEX]
24" x 1.75" h

DIMENSIONS

Minimum OAH shown to allow for uninterrupted fin clearance.



Specifications subject to change without notice.

GEM ACOUSTIC CLUSTER

ORDERING INFORMATION



DAMP

RoHS
COMPLIANT
ELECTRONICS



2856

1. Model 2. 3. 4. 5. 6. 7. 8. 9. 10.

11.

2. CANOPY SHAPE

CRL Circle
HEX Hexagon
SQU Square

3. FINISH

Applies to primary cylinder, ceiling canopy, and rigid stem if specified. Does not apply to bezel.

BL Black
BU Pastel Blue
BZ Bronze
GN Pastel Green
MG Metallic Gold
NT Nickel Tone
OR Florida Orange
RD Red
WH White
YL Yellow

4. WATTAGE

Wattage listed is per drop. For total, multiply by 3.

U08 08W LED, (.07 A @ 110V)
U10 10W LED, (.09 A @ 110V)
U12 12W LED, (.10 A @ 110V)
U16¹ 16W LED, (.14 A @ 110V)

¹Unavailable with 18°/24° Beams.

5. FIN DESIGN

Refer to diagrams on Page 2. Each drop matches. For further customization, contact factory.

F01 16.75" L x 17.50" W x 3
F08 16.75" L x 22.50" W x 3
F15 28.50" L x 17.50" W x 3
F20 28.50" L x 22.50" W x 3

6. ACOUSTIC FIN COLOR

Applies to PET fins. Refer to swatch diagram.

STANDARD

Standard lead time and pricing.

GPH Graphite
HGY Heather Grey
MBL Marble

PREMIUM

6-8 week lead time. Pricing adder.

ABY Abyss
BLK Black
FRS Forest
GRG Greige
GRN Green
NAVY Navy
ORA Orange
RED Red
SND Sand
VL Violet
WHT White
YEL Yellow

7. BEZEL FINISH

Applies only to bezel at end of cylinder.

BL Black
BU Pastel Blue
BZ Bronze
GN Pastel Green
MG Metallic Gold
NT Nickel Tone
OR Florida Orange
RD Red
WH White
YL Yellow

8. DISTRIBUTION

18D¹ 18° Beam - Spot
24D¹ 24° Beam - Narrow
36D 36° Beam - Medium
60D 60° Beam - Extra Wide

¹Unavailable on U16 wattage.

9. SUSPENSION

BLC Cord, Black - 10' (field cuttable)
WHC Cord, White - 10' (field cuttable)

Note: For 20' cord, refer to CE2 in Options section.

10. COLOR TEMPERATURE

27K 2700K color temperature
30K 3000K color temperature
35K 3500K color temperature
40K 4000K color temperature

(90+ CRI Standard)

11. AVAILABLE OPTIONS

BAC¹ Buy American Compliant
CE2 Cord Extension: 20' Cord (total length)
DTR⁴ Triac (Line Voltage) Dimming (120V Only)
FCL⁷ French Canadian Labels
HC Honeycomb Louver
(Decreases efficacy, alters beam angle - refer to photometrics)

STANDARD ACOUSTIC COLORS STANDARD LEAD TIME & PRICING



PREMIUM ACOUSTIC COLORS 6-8 WEEK LEAD TIME, PRICING ADDER



Universal Footnotes (only applies if superscript is shown in Options section): (0) **90R** - All LEDs/CCTs are being transitioned to 90 CRI standard over 2025. Inquire for this model's availability. (1) **BAC/BAB** - www.brownlee.com/resources/usa. (2) **BBI/BBC** - cannot combine with ECW or EXT. (3) **BLD** - integral microwave motion sensor (step-dim). Cannot combine with DTR. (4) **DTR** - cannot combine with BLD. (5) **ECW** - cannot combine with BBI, BBC, or DTR. (7) **FCL** - cannot combine with BAC. (8) **OCC** - integral microwave motion sensor (ON/OFF). (9) **T24** - includes JA8 labeling and 90 CRI LEDs. (10) **PCH/PC4** - cannot combine with BLD or OCC.

Add'l Notes: ***BBI/BBC** - **BBI** minimum operating temp: 10C/50F unless otherwise stated. **BBC** minimum operating temp: -20C/-4F.

****BLD** - integral microwave motion sensor with step-dim control. 1: Motion is detected, illuminate to 100%.

2: Motion no longer detected, dim to set level. 3: Remain in continuous dimmed state or turn off after set period. Config. via onboard dip switches.

Specifications subject to change without notice.

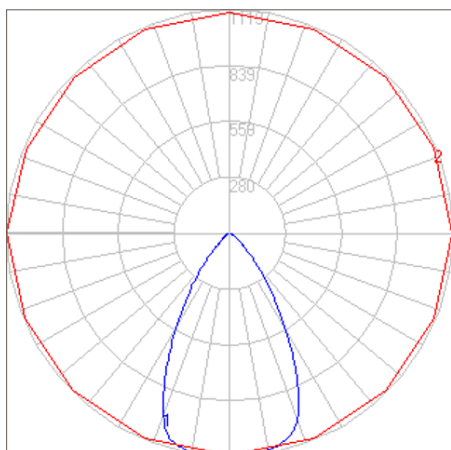
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PHOTOMETRIC INFORMATION

Outputs and distribution vary by model/accessory. Specifications subject to change without notice.

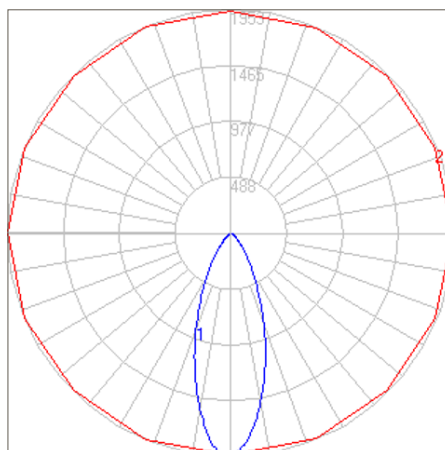
Luminaire Based UGR (Tabular Method)					
Note 1: UGR calculated using the luminaire/tabular method. Application-based UGR will vary.					
Note 2: Additional UGR reduction can be achieved via Honeycomb Louver (option code HCB).					
Bezel Finish	Wattage	18°	24°	36°	60°
Black (BL)	U08	2.0	1.2	7.7	10.2
	U10	2.5	1.7	8.3	10.9
	U12	2.9	2.1	8.9	11.4
	U16	NA	NA	9.6	12.1
White (WH)	U08	17.5	18.3	22.3	21.5
	U10	18.0	18.8	23.0	22.1
	U12	18.4	19.3	23.5	22.6
	U16	NA	NA	24.3	23.4

LOW UGR



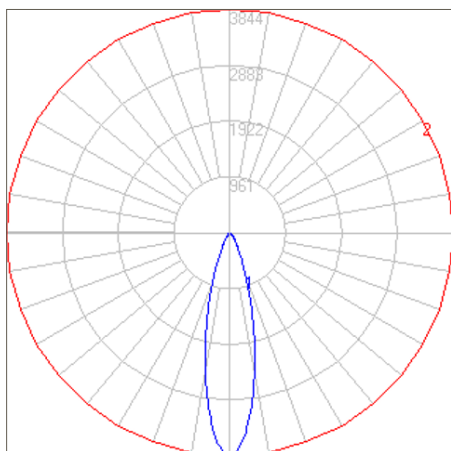
60° - Extra Wide

Based on U12 output / White Bezel / 3500K.
Spacing Criteria: .95



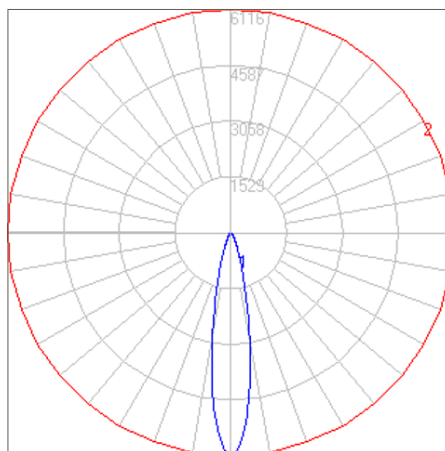
36° - Medium

Based on U12 output / White Bezel / 3500K.
Spacing Criteria: .60



24° - Narrow

Based on U12 output / White Bezel / 3500K.
Spacing Criteria: .45



18° - Spot

Based on U12 output / White Bezel / 3500K.
Spacing Criteria: .35

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ACOUSTIC INFORMATION & PERFORMANCE

Sabins per object represents all three fixtures combined.

1/3 Octave (Hz)	Model F01	Model F08	Model F15	Model F20
125	0.00	0.00	0.00	0.00
250	1.95	2.43	3.09	3.93
500	4.89	6.09	7.77	9.87
1000	9.48	11.76	15.03	19.11
2000	11.04	13.71	17.49	22.26
4000	14.07	17.49	22.32	28.41
Avg. at 250 to 2000 Hz	8.28	10.29	13.14	16.71
Square Feet of Acoustic Material	22.92	28.53	36.66	46.65

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