



Forest

GEM ACOUSTIC

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 - Unlit (Model #: 2757), Gem Acoustic Cluster (Model #: 2856).

GEM ACOUSTIC

STANDARD SPECIFICATIONS

HOUSING + ACOUSTIC FINS + CANOPY

Extruded aluminum cylinder and heat sink. Spun aluminum canopy.
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.

FINISH

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

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.**

Delivered lumens noted in 3500K, standard bezel, White finish.
Note: Black bezel finish results in approx. 6%-10% lumen loss.

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

¹Unavailable on 18°/24° Beams.

SUSPENSION

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

MOUNTING

Directly to j-box (by others). **Canopy Mount** (deep) is the standard offering - driver integral to canopy for surface access. **Remote Mount** (shallow) is optional - driver mounted in provided remote enclosure (see drawing). See ordering code "RM" in Options section of spec sheet. Indoors only.

BATTERY BACKUP

Battery Backup optional. Utilizes Remote Mount configuration and shallow canopy. Battery pack and driver mounted in provided remote enclosure (see drawing). Battery test switch and traditional 4.50" x 2.75" white mount plate provided - must be visibly installed in accordance with local codes. Battery mode: 10W - operational for a minimum of 90 minutes.

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:



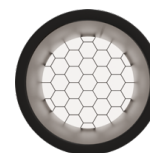
Heather Grey



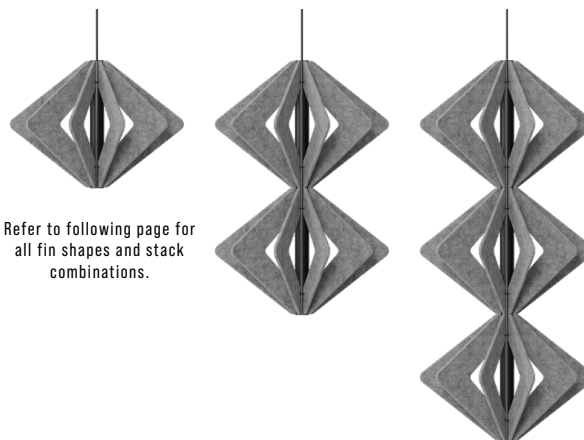
Standard: Canopy Mount (Deep)
6" dia. x 1.25" h
Driver mounted in canopy



Optional: Remote Mount (Shallow)
4.5" dia. x 0.50" h
Driver mounted in provided remote enclosure.
Drawing in Options section.



Optional: Honeycomb Louver
Glare reduction accessory



Refer to following page for
all fin shapes and stack
combinations.

Specifications subject to change without notice.

GEM ACOUSTIC - FIN DESIGN

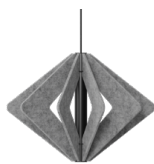
STANDARD FIN OFFERING

Height: 16.75"



F01

Width: 17.50"



F08

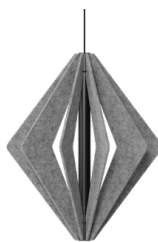
Width: 22.50"

Height: 28.50"



F15

Width: 17.50"



F20

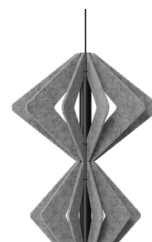
Width: 22.50"

Height: 33.00"



F09

Width: 22.50"



F04

Width: 22.50"



F02

Width: 17.50"



F11

Width: 22.50"

Height:
45.00"



F06

Width: 17.50"



F16

Width: 17.50"



F13

Width: 22.50"



F17

Width: 22.50"



F07

Width: 22.50"



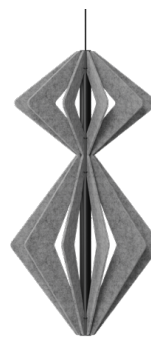
F21

Width: 22.50"



F14

Width: 22.50"



F22

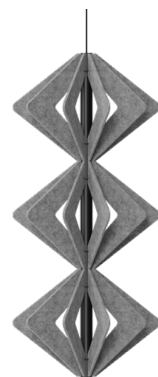
Width: 22.50"

Height:
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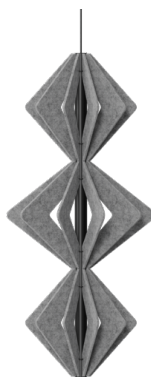
F03

Width: 17.50"



F12

Width: 22.50"



F05

Width: 22.50"



F10

Width: 22.50"

Height:
57.00"



F18

Width: 17.50"



F24

Width: 22.50"



F23

Width: 22.50"



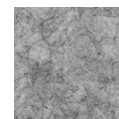
F19

Width: 22.50"

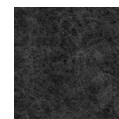
STANDARD ACOUSTIC COLORS STANDARD LEAD TIME & PRICING



MARBLE

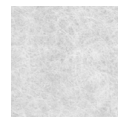


HEATHER GREY

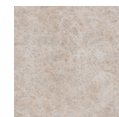


GRAPHITE

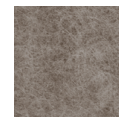
PREMIUM ACOUSTIC COLORS 6-8 WEEK LEAD TIME, PRICING ADDER



WHITE



SAND



GREIGE



YELLOW



ORANGE



RED



GREEN



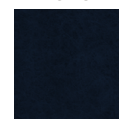
FOREST



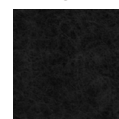
VIOLET



NAVY



ABYSS



BLACK

2756

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

2. 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

3. WATTAGE

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.

4. FIN DESIGN

Refer to Page 3 for dimensional diagram.

F01	F01 Single
F02	F01 / F01 Stack
F03	F01 / F01 / F01 Stack
F04	F08 / F01 Stack
F05	F01 / F08 / F01 Stack
F06	F15 / F01 Stack
F07	F20 / F01 Stack
F08	F08 Single
F09	F01 / F08 Stack
F10	F08 / F01 / F08 Stack
F11	F08 / F08 Stack
F12	F08 / F08 / F08 Stack
F13	F15 / F08 Stack
F14	F20 / F08 Stack
F15	F15 Single
F16	F01 / F15 Stack
F17	F08 / F15 Stack
F18	F15 / F15 Stack
F19	F20 / F15 Stack
F20	F20 Single
F21	F01 / F20 Stack
F22	F08 / F20 Stack
F23	F15 / F20 Stack
F24	F20 / F20 Stack

5. ACOUSTIC FIN COLOR

Applies to PET fins. Refer to swatches on previous page.

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
NVY	Navy
ORA	Orange
RED	Red
SND	Sand
VL	Violet
WHT	White
YEL	Yellow

6. 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

7. DISTRIBUTION

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

¹Unavailable on U16 wattage.

8. SUSPENSION

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

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

S06	Rigid Stem - 6"
S12	Rigid Stem - 12"
S24	Rigid Stem - 24"
S36	Rigid Stem - 36"
S48	Rigid Stem - 48"

Contact factory for custom stem drops. Provide desired overall height (OAH) from ceiling to fixture bottom.

9. COLOR TEMPERATURE

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

(90+ CRI Standard)

10. AVAILABLE OPTIONS

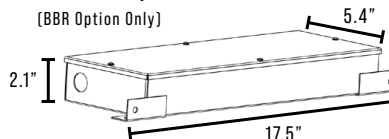
BAC¹	Buy American Compliant
BBR^{2*}	Utilizes Remote Mount Shallow Canopy Driver and battery in provided remote enclosure (see drawing) <i>Battery must be connected to continuous power supply within 7 Mo. of shipping. See Warranty Note 3.</i>
CE2	Cord Extension: 20' Cord (total length)
DTR⁴	Triac (Line Voltage) Dimming (120V Only)
FCL⁷	French Canadian Labels
HCB	Honeycomb Louver (Decreases efficacy, alters beam angle - refer to photometrics)
RM	Remote Mount (Shallow Canopy) - Driver in provided remote enclosure (see drawing)

REMOTE ENCLOSURE DRAWINGS

Applies only if option is specified.

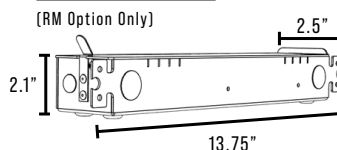
Remote Battery Enclosure

(BBR Option Only)



Remote Driver Enclosure

(RM Option Only)



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.

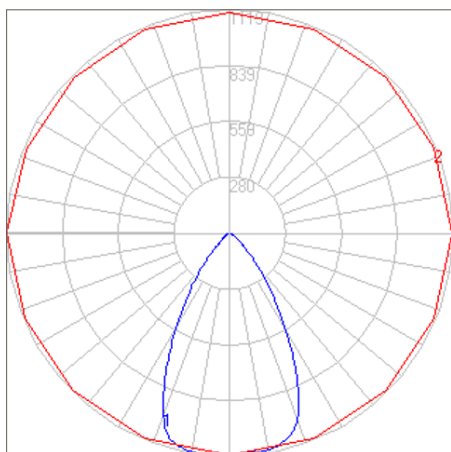
****BLD** - integral microwave motion sensor with step-dim control. 1: Motion is detected, illuminate to 100%.

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.

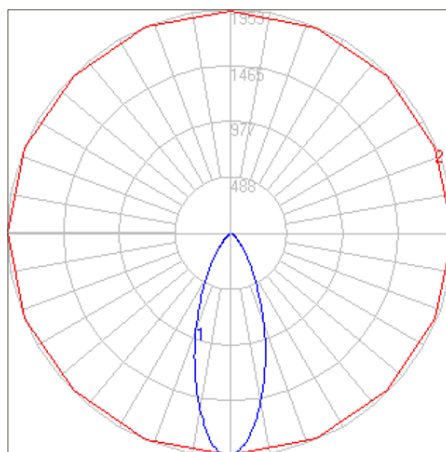
Luminaire Based UGR (Tabular Method)					
Note 1: UGR calculated using the luminaire/tabular method. Application-based UGR will vary.					
Note 2: Additional UGR reduction can be achieved via Honeycomb Louver (option code HCB).					
Bezel Finish	Wattage	18°	24°	36°	60°
Black (BL)	U08	2.0	1.2	7.7	10.2
	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



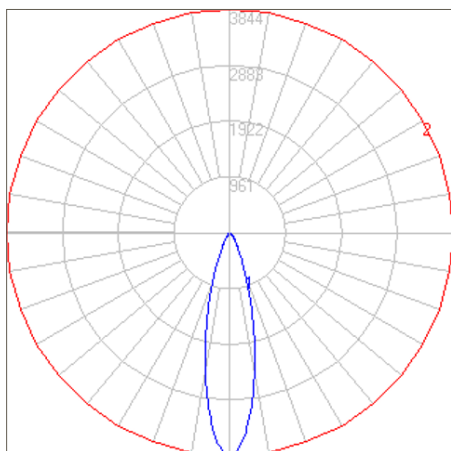
60° - Extra Wide

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



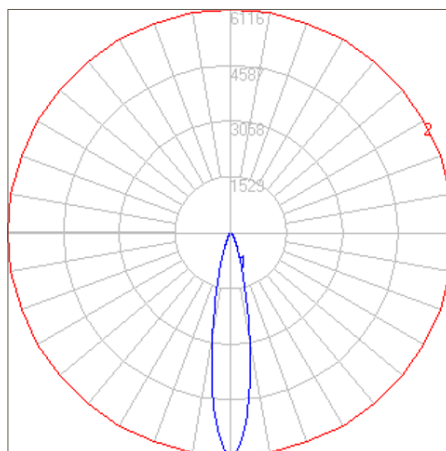
36° - Medium

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



BROWNLEE
LIGHTING

www.brownlee.com

1/3 Octave (Hz)	F01	F08	F15	F20	F09	F17	F10	F23
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	0.65	0.81	1.03	1.31	1.46	1.84	2.26	2.34
500	1.63	2.03	2.59	3.29	3.66	4.61	5.68	5.88
1000	3.16	3.92	5.01	6.37	7.08	8.93	11.01	11.38
2000	3.68	4.57	5.83	7.42	8.25	10.40	12.82	13.25
4000	4.69	5.83	7.44	9.47	10.53	13.27	16.96	16.91
Avg. at 250 to 2000 Hz	2.76	3.43	4.38	5.57	6.19	7.81	9.63	9.95
SqFt. Acoustic Material	7.64	9.51	12.22	15.55	17.15	21.73	26.66	27.77

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.

