

Acoustic

COLLECTION

Problem Solving

CHALLENGE IN COMMERCIAL SPACES

- Poor sound quality
- High noise levels
- Reverberation issues
- Discomfort for occupants

A SOUND IDEA

Today's design integrate surface elements like unfinished ceilings, exposed concrete floors, and large windows while also eliminating sound-absorbing materials. This results in acoustical challenges that have a direct impact on occupant well-being and productivity.

ACOUSTIC CONCEPTS TO CONSIDER



Speed of Sound

The distance traveled per unit time by a sound wave as it propagates through a medium.



Absorption

The conversion of sound energy into heat due to the properties of a material, thereby reducing the amount of reflected energy in a space.



Reverberation Time

A quantification of reverberation, reverberation time of a room or space is defined as the time it takes for sound to decay by 60 dB after the source of the sound has stopped.

NRC

Noise Reduction Coefficient (NRC)

A single number rating derived from measured values of sound absorption coefficients in accordance with ASTM Test Method C423.

WORK EFFICIENCY

65%

of workers report that noise in the workplace impacted their ability to complete work in an accurate and timely manner.

WELLBEING

44%

of workers reported that noise had a negative impact on their overall wellbeing.

DISTRACTION

52% of workers report they are interrupted by noise distractions more than 5 times in a working day.



The “Noise and Wellbeing at Work 2019” survey conducted by The Remark Group, supported by Dr. Nigel Oseland

Luminaire Features

OUR LUMINAIRES

Unparalleled performance and uniform illumination from a clean linear form factor. Our lines of light are designed for ease of installation and feature integral drivers, simple plug-together wiring, and screw-free access.

THE FINELITE DIFFERENCE

10

10-year warranty

L90

90% of initial light output
at 100,000 hours

1-100%

Dimming Standard

R

Replaceable LED
light arrays



Signal White shown

Acoustic Features

OUR ACOUSTICS

We offer elegant and affordable approach to improve the sound quality of open space environments. Our acoustic products can be specified as a combination of high-performing, sound-absorbing LED pendant luminaires, in addition to, noise-reducing unlit baffles.

THE FINELITE DIFFERENCE

10

10-year warranty

100%

100% Polyester
fiber housing

A

Class A fire rating
(ASTM E-84)
material

P

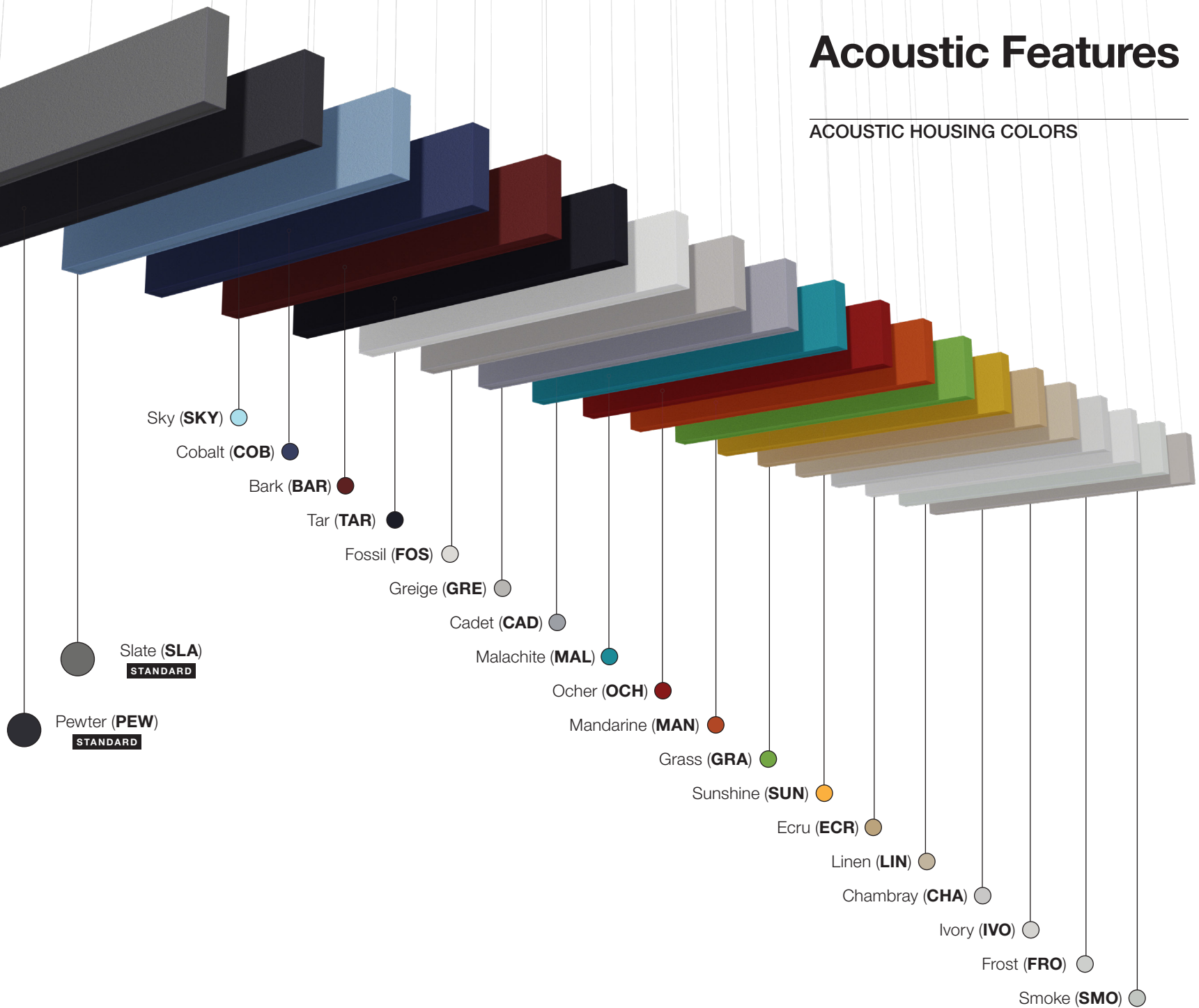
Pre-assembled



Slate housing color shown

Acoustic Features

ACOUSTIC HOUSING COLORS

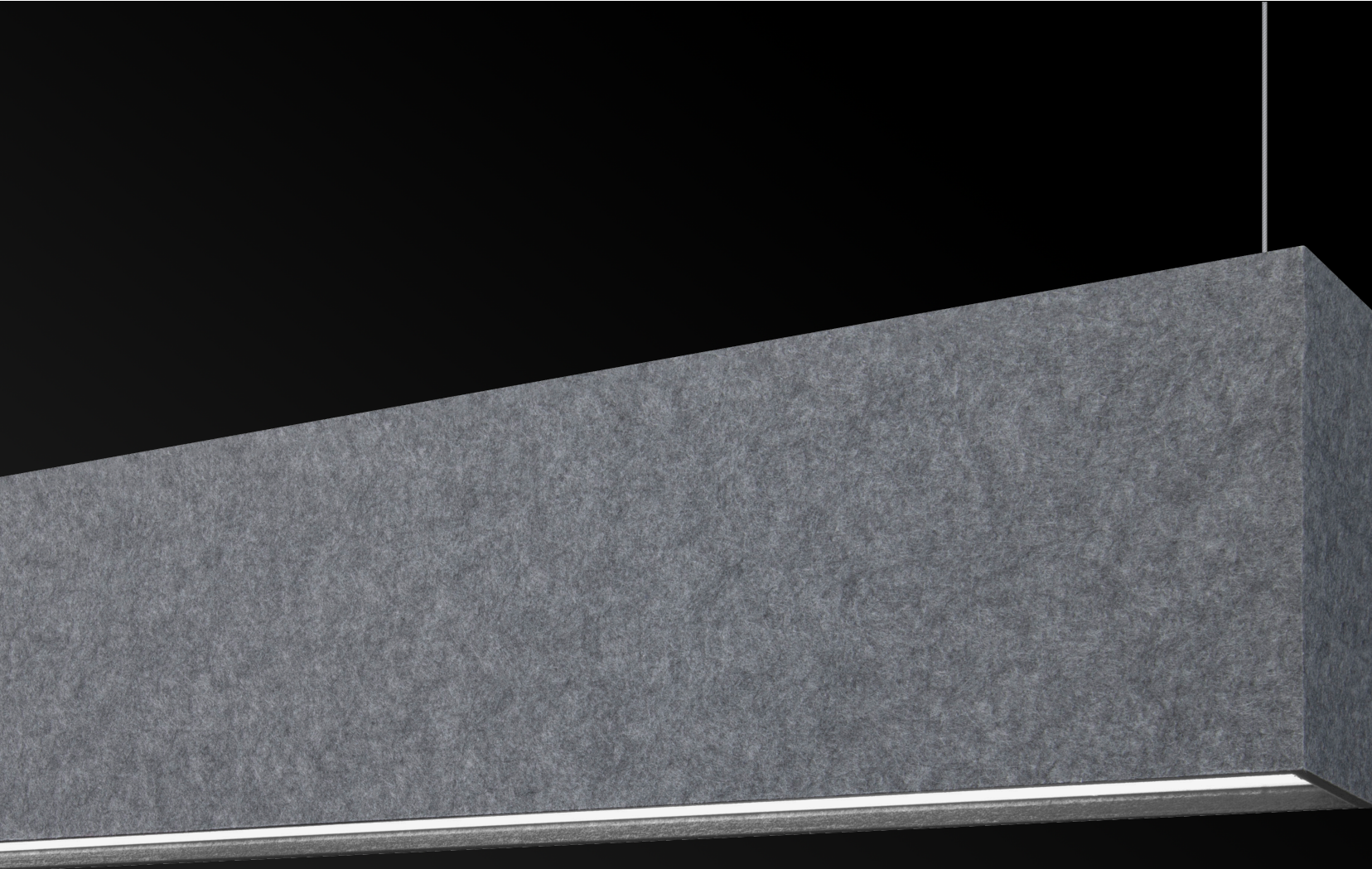


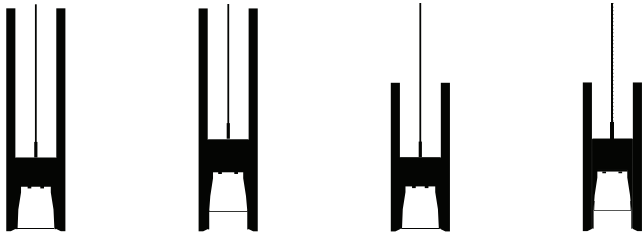
HP-2 Acoustic

HP-2 ACOUSTIC BAFFLE LIT
HP-2 ACOUSTIC BAFFLE UNLIT

APPARENT NRC

0.50 - 1.25





HP-2 Acoustic Baffle Lit

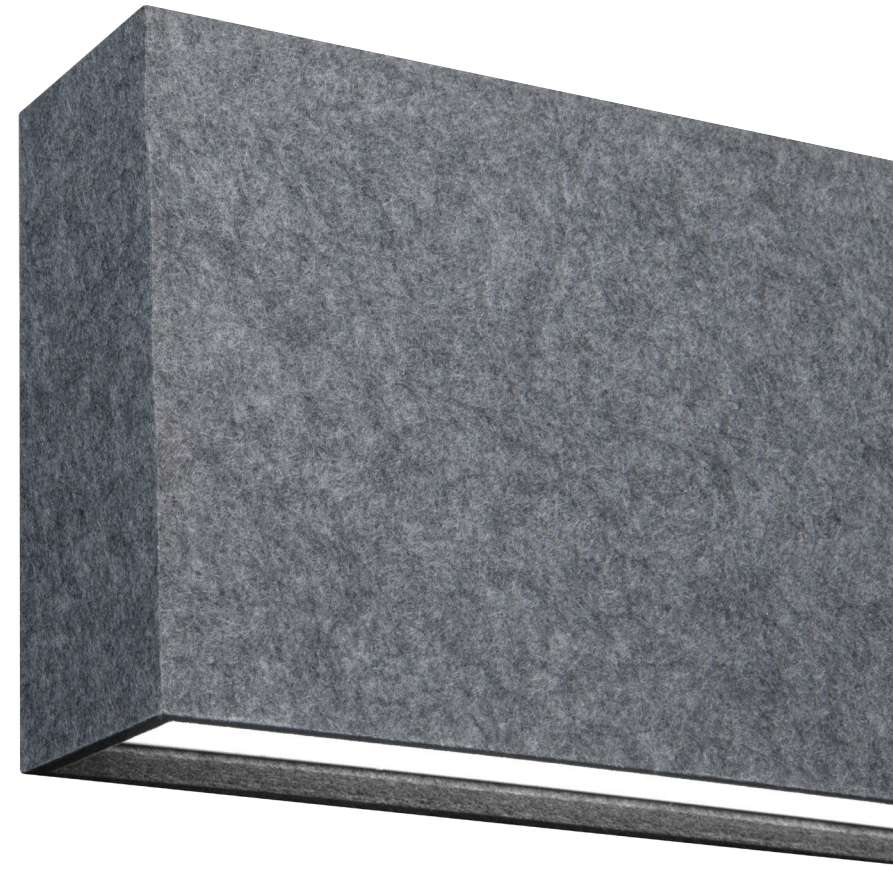
Sound Absorption
between 0.50-1.15 NRC

Flexible Mounting

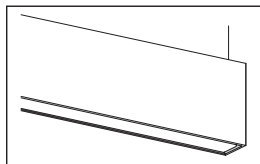
Downlight Optics

HP-2 ACOUSTIC BAFFLE LIT

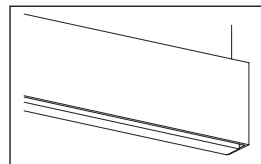
High-performing and sound-absorbing, this LED pendant luminaire achieves desired illumination and reverberation levels and features a unique aesthetics with mitered corners and beveled internal edges.



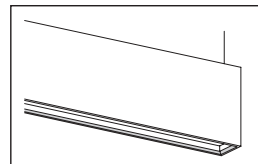
DOWNLIGHT AESTHETIC OPTIONS



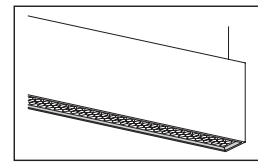
Bottom Glow



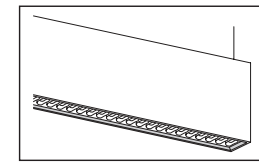
1" Drop Lens



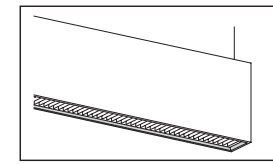
Regressed



Hex Louver



Hollowed Ellipse Louver



White Cross Blade Baffle

PRODUCT FAMILY FEATURES

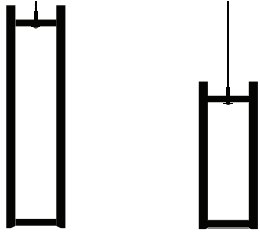
100% Polyester Housing

Fully adjustable plated steel cable

20 Housing color options

Lengths: 4' & 8' / Heights: 8" & 12"

10-Year warranty



HP-2 Acoustic Baffle Unlit

Sound Absorption
between 0.55-1.25 NRC

Class A Fire Rating
(ASTM E-84)

Moisture Resistant

HP-2 ACOUSTIC BAFFLE UNLIT

A true companion piece, this noise-reducing Unlit baffle displays a 2" aperture and features an aesthetic identical to its Lit counterpart with mitered corners and beveled internal edges.



PRODUCT FAMILY FEATURES



100% Polyester Housing



Fully adjustable plated steel cable



20 Housing color options



Lengths: 4' & 8' / Heights: 8" & 12"



10-Year warranty

CALCULATOR

We developed a calculator to help you specify Finelite acoustic products to meet the sound absorption requirements of your space.

[Sign up and download the calculator](#) or contact Finelite Internal Sales.

THE FINELITE LED DIFFERENCE



10-year warranty



Dimming standard



Replaceable LED
light arrays

FINELITE COMMITMENT TO YOU



10-day shipping on
standard orders



Focus on
sustainability