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.

Noise Reduction Coefficient (NRC)
A single number rating derived from measured values of sound absorption coefficients in accordance with ASTM Test Method C423.
of workers report that noise in the workplace impacted their ability to complete work in an accurate and timely manner.

44%

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

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

100% Polyester fiber housing

Class A fire rating (ASTM E-84) material

Pre-assembled

Slate housing color shown
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
Application

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

REVERBERATION TIME

1.88 s before / 0.88 s
Application

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

REVERBERATION TIME
1.07 s before / 0.80 s
**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.

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### THE FINELITE LED DIFFERENCE

<table>
<thead>
<tr>
<th></th>
<th>FINELITE COMMITMENT TO YOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-year warranty</td>
<td>10-day shipping on standard orders</td>
</tr>
<tr>
<td>Dimming standard</td>
<td>Focus on sustainability</td>
</tr>
<tr>
<td>Replaceable LED light arrays</td>
<td></td>
</tr>
</tbody>
</table>

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