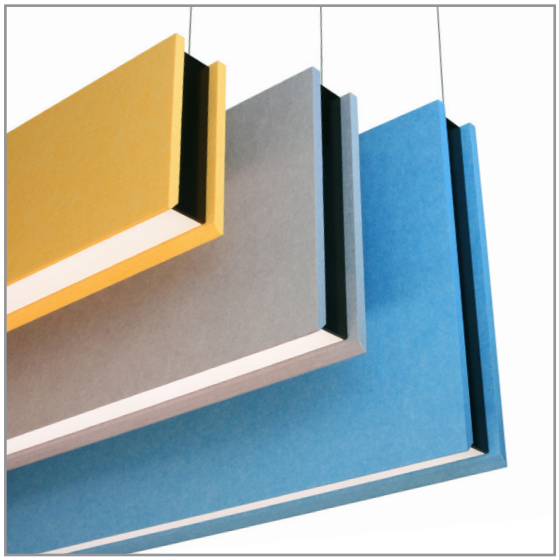
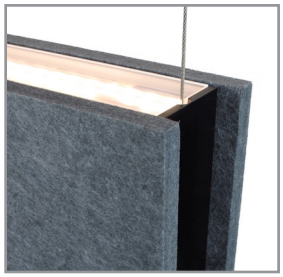
HL2 | chill

2" aperture direct/indirect acoustic panel luminaire

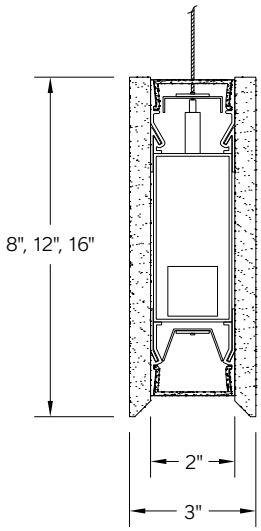
bartco
VISIONS BROUGHT TO LIGHT™

Project: _____ Type: _____





SECTION



PERFORMANCE

NOMINAL LENGTH	OPTIC CONFIGURATION	OUTPUT	LUMENS/ft.	WATTS/ft.	LUMINAIRE LUMENS	EFFICACY (LPW)
4′	Indirect – Lambertian	L: low	475	3.7	1899	127.4
		R: regular	645	5.2	2589	124.5
		H: high	880	7.3	3524	120.5
		VH: very high	1340	11.9	5351	112.8
	Indirect – batwing	L: low	455	3.7	1811	120.5
		R: regular	620	5.2	2470	118.5
		H: high	840	7.3	3362	114.8
		VH: very high	1275	11.9	5105	107.4
	Direct	L: low	445	5.2	1789	85.5
		R: regular	610	7.4	2435	82.8
		H: high	860	11.0	3441	78.6

*Note: All data reflects fixtures with 3500K LEDs

FEATURES

The Chill® HL2 direct/indirect luminaire is designed to enhance interior spaces with subtle to bold colors, while damping sound reflections. The 2" wide aperture fixture is clad with ½" thick felt acoustic panels in 8", 12" or 16" heights and twenty standard colors. Fixture end treatments include matching acoustic material, machined aluminum end caps with powder coat or printed imagery options or solid wood end caps in a variety of finishes. The HL2 is Controls Capable, being offered with a variety of integrated control options. Add further sound absorption in an architectural space with complimenting HB2 non-illuminated acoustic baffles.

SPECIFICATIONS

Fixture constructed of extruded aluminum, heavy gauge sheet formed steel and aluminum, extruded acrylic lenses and PET acoustic felt panels.

Model variations offered for cable suspended and wall mount applications as 2′–8′ nominal single fixtures and continuous runs.

The ½" thick, 100% PET (>75% recycled), fire rated (ASTM E84 Class B) 0.98 NRC acoustic felt panels feature a bottom beveled edge and are available in twenty standard colors.

Fixture end treatment options available in matching acoustic material or machined aluminum end caps with standard powder coat, optional RAL finishes, high resolution digital imagery or solid wood end caps.

Indirect Lambertian and batwing optic options are available.

Basic continuous run fixtures provided with 18 ga. wiring harness for 6 Amp maximum load (consult factory for runs requiring multiple circuits, sensor integration, etc.).

Standard integral 120-277V driver offered with 0-10V dimming or non-dim (other dimming driver options available).

Integral 120-277V emergency battery backup available for non-dim or 0-10V fixtures and operate the direct source in 4′ sections within the run (consult factory for details and for compatibility with other drivers).

Standard light outputs range from 445 – 860 lumens per foot for the direct source and 455 – 1340 lumens per foot for the indirect source.

LEDs available in 2700K, 3000K, 3500K and 4000K, within a 3 step MacAdam ellipse, all with 90+ CRI typical.

Bartco Lighting Controls Capable fixture available with integrated controls from a variety of suppliers.

Life: 50,000 hours L_{70}.

Limited five year warranty.

UL and C-UL listed for dry and damp locations.

CERTIFIED · Made in USA · BAA Compliant · Controls Capable

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HL2 | chill

2″ aperture direct/indirect acoustic panel luminaire

bartco
VISIONS BROUGHT TO LIGHT™

HL2 – ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____

HEIGHT
8: 8″
12: 12″
16: 16″

RUN LENGTH*
Specify run of ≥2′ to the nearest foot

BOTTOM EDGE TREATMENT
DB: drop beveled edge
CF: consult factory for custom edge treatment

END TREATMENT
1: extended panels
2: acoustic
CF: consult factory for custom end treatment

END FINISH
code from color key:
_____
CF: consult factory for custom end finish

CORRELATED COLOR TEMPERATURE
27: 2700K-90+ CRI
30: 3000K-90+ CRI
35: 3500K-90+ CRI
40: 4000K-90+ CRI

DRIVER
ND: non-dimming
[Dimming]
D: 0-10V, 1%
DTR: triac, 1%
DLV: electronic low voltage, 1%
HES: Lutron Eco-System, soft-on/fade-to-black, 1%
EL: eldoLED ECO-drive 0-10V, 1%
ES: eldoLED SOLOdrive 0-10V, 0.1%
ELD: eldoLED ECOdrive DALI, 1%
ESD: eldoLED SOLOdrive DALI, 0.1%

CIRCUIT
1: single circuit
2: two circuit (4′+ run length)

INDIRECT LIGHT CONFIGURATION
L1: low output, Lambertian dist. – 475 lm/ft.
R1: reg. output, Lambertian dist. – 645 lm/ft.
H1: high output, Lambertian dist. – 880 lm /ft.
VH1: very high output, Lambertian dist. – 1340 lm /ft.
L2: low output, batwing dist. – 455 lm /ft
R2: reg. output, batwing dist. – 620 lm /ft
H2: high output, batwing dist. – 840 lm/ft.
VH2: very high output, batwing dist. – 1275 lm/ft.
NA: no indirect light source
CF: consult factory for custom configuration

DIRECT LIGHT CONFIGURATION
LA: low output, flush lens – 445 lm /ft.
RA: reg. output, flush lens – 610 lm/ft.
HA: high output, flush lens – 860 lm/ft.
NA: no direct light source
CF: consult factory for custom output

MOUNT
C4: cable mount 4′ cable length
C8: cable mount 8′ cable length
WM: wall mount
CF: consult factory for custom mounting

OPTIONS
ED: emergency driver (SINGLE CIRCUIT, non-dim or 0-10V only)
WS1A: Wattstopper FS-205, 100%-0% ‡
WS1B: Wattstopper FS-205, 100%-50% ‡
ES4: Philips EasySense SNS211 MC ‡
CA1: Casambi CBU-A2D ‡
NL1: nLight RES7 ‡
NL2: nLight RIO ‡
LA1: Lutron Athena A-WN-D01-RF-WH ‡
LA2: Lutron Athena A-WN-D01-OCC-WH ‡

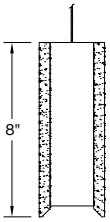
PANEL FINISH
code from color key:
_____
CF: consult factory for custom finish

* Specify run length to the nearest one foot. Factory will configure using the least quantity of fixtures *as close to the desired run length as possible without exceeding the length*. Run to be confirmed with a shop drawing.

‡ See Integrated Controls section for driver compatibility information.

HEIGHT

ORDER CODE
8



ORDER CODE
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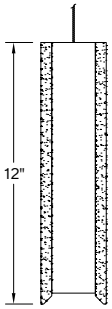

ORDER CODE
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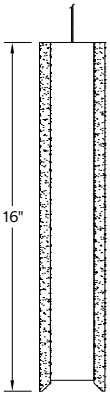
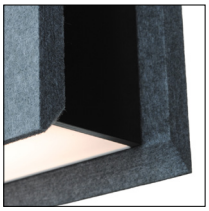


BOTTOM EDGE TREATMENT

	ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	DB	DROP BEVEL EDGE	Bottom edge of panels extends ½″ below the lens, finished with a 45 degree bevel.

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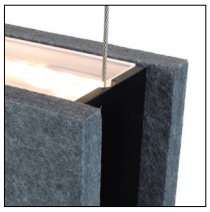
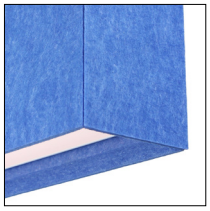
END TREATMENT

	ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	1	EXTENDED PANELS	Panel ends extend 1/2" beyond the housing length. Includes machined aluminum end cap.
	2	ACOUSTIC	Acoustic material end cap, bottom edge finished with 45 degree bevel.

END FINISH COLOR KEY

NOTE: For End Treatment 2 (acoustic), the end finish will be the same as the specified panel finish.

POWDER COAT FINISH OPTIONS
Applies to End Treatment 1 (extended panels).
Finish applied to machined aluminum end cap.
When the indirect or direct light source options are omitted, the visible fixture will be finished to match.

AW
Architectural White

WH
White (semi-gloss)

BL
Black (semi-matte)

MB
Matte Black

ESS
Environmental Satin Silver

BZ
Bronze

RAL
Select from options on the Panel Color Key

CF
Custom Finish Consult Factory

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END FINISH COLOR KEY (CONTINUED)

WOOD END CAP OPTIONS
Applies to End Treatment 1 (extended panels).
Furniture grade caps are ½" thick and hand finished in clear shellac with a liquid wax sealer.

WN

Solid Walnut

EB

Solid European Beech

MH

Solid Mahogany

WO

Solid White Oak

BB

Bamboo Ply

P01

Baltic Birch Ply
Natural Maple

P02

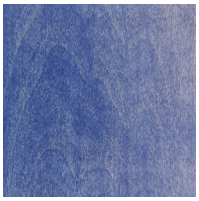
Baltic Birch Ply
Red Stained Maple

P03

Baltic Birch Ply
Orange Stained Maple

P04

Baltic Birch Ply
Green Stained Maple

P05

Baltic Birch Ply
Blue Stained Maple

FAUX FINISH OPTIONS
Applies to End Treatment 1 (extended panels).
Finish comprised of a multi-stage application process that produces durable, high resolution imagery.

FXW

Faux Walnut

FXP

Faux Pine

FXWO

Faux White Oak

FXC

Faux Cherry

FCF

Custom Faux Finish
Consult Factory

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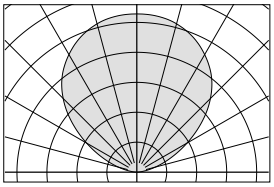
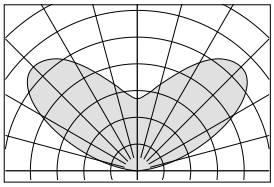
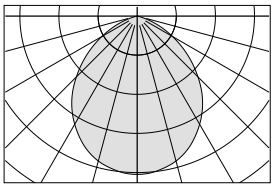
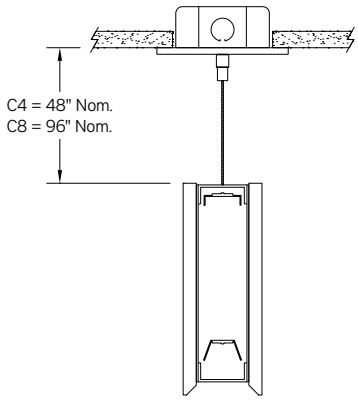
INDIRECT LIGHT CONFIGURATION

	ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	L1	Low light output - Lambertian distribution	Lightly diffuse extruded acrylic lens for general Lambertian distribution
	R1	Regular light output - Lambertian distribution	
	H1	High light output - Lambertian distribution	
	VH1	Very high light output - Lambertian distribution	
	L2	Low light output - batwing distribution	Clear extruded acrylic lens with wide distribution optic features
	R2	Regular light output - batwing distribution	
	H2	High light output - batwing distribution	
	VH2	Very high light output - batwing distribution	

DIRECT LIGHT CONFIGURATION

	ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	LA	Low light output - flush lens	Flush, frosted extruded acrylic lens
	RA	Regular light output - flush lens	
	HA	High light output - flush lens	

MOUNTING

	ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	C4 and C8	CABLE MOUNT	Mounting option includes: • Ø 1⁄16"x 48" (C4) or 96" (C8) aircraft cables • 60" (C4) or 108" (C8) power cable in coordinating finish • Ceiling couplers, cable grippers and Ø 5" white canopies NOTE: WHEN DUAL CIRCUIT OPTION IS USED, TWO POWER CABLES ARE REQUIRED

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OPTIONS

ORDERING CODE	DESCRIPTION	SPECIFICATIONS
ED	EMERGENCY LED DRIVER	• Universal 120-277V input voltage emergency driver delivers initial minimum power of 10W for 90 minutes. • Available for runs greater than 4' with non-dim or 0-10V driver/s, operating the direct source in 4' sections (consult factory for details and compatibility with other drivers). • Indicator lamp/test switch located on the underside at an end.

OPTIONS – INTEGRATED CONTROLS

Note: Control option takes up 4" of the overall lens length. Controls are mounted to flush filler piece, in Architectural White finish, located at an end.

Controls Capable

	ORDERING CODE	LIGHT OUTPUT SETTING	MODEL	CONTROL PROTOCOL	FUNCTIONS	COMPATIBLE DRIVERS
legrand® WATTSTOPPER®	**WS1A**	100% – 0% [1]	FS-205	N/A	PIR occupancy and light level sensor.	For use with on/off or 0-10V dimming drivers only.
	WS1B	100% – 50% [1]				
PHILIPS EasySense	**ES4**	Set during commisioning	SNS211 MC	Bluetooth Wireless	Occupancy, daylight harvesting and task tuning sensor with advance grouping, for use within a MasterConnect network.	Provided with Advance sensor ready series 0-10V dimming drivers.
CASAMBI	**CA1**	Set during commisioning	CBU-A2D	Bluetooth Wireless	0-10V/DALI driver controller, for use within a Casambi ecosystem.	For use with 0-10V or DALI drivers. Consult factory for details.
nLIGHT	**NL1**	Set during commisioning	RES7 [2]	Radio Wireless	Dimming, PIR occupancy detection and daylight harvesting, for use within an nLight AIR network.	Provided with Advance sensor ready series or eldoLED 0-10V drivers.
	NL2		RIO [2]		Dimming, for use within an nLight AIR network.	
LUTRON	**LA1**	Set during commisioning	A-WN-D01-RF-WH	Radio Wireless	Dimming only for use with an Athena control system.	Provided with Advance sensor ready series or eldoLED 0-10V or eldoLED DALI-2 drivers.
	LA2		A-WN-D01-OCC-WH		Dimming, PIR occupancy and daylight sensor for use with an Athena control system.	

1. Consult factory for custom light output setting.
2. Consult your Acuity representative for application-specific model number.

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ACOUSTIC PANEL COLOR KEY

Chill acoustic panels are made from 100% PET (>75% recycled) colored felt fibers. The ½" thick, cohesive material construction traps sound waves and aids in reducing sound reflections within interior spaces (0.98 NRC). Lightweight and durable, the panels are also fire rated (ASTM E84 Class B). The twenty standard colors can be paired with matching acoustic ends, wood end caps or metal end caps in six standard powder coat finishes, optional coordinating RAL colors or Faux finishes.

Note: Ordering Code shown above color image.
Optional coordinating RAL finish for end cap and unlit areas shown in parenthesis.

01

White
(RAL 9003)

02

Granite
(RAL 7047)

03

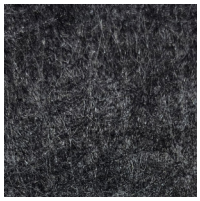
Overcast
(RAL 7004)

04

Slate
(RAL 7039)

05

Lava Rock
(RAL 7016)

06

Black Sand
(RAL 7022)

07

Black
(RAL 9004)

08

Light Sand
(RAL 1013)

09

Dark Sand
(RAL 1019)

10

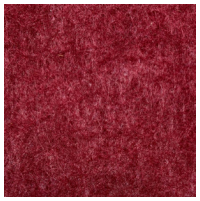
Mango
(RAL 1017)

11

Poppy
(RAL 2011)

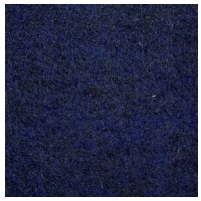
12

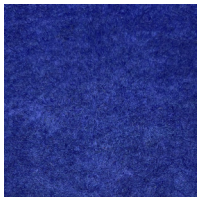
Hibiscus
(RAL 3031)

13

Burgundy
(RAL 4002)

14

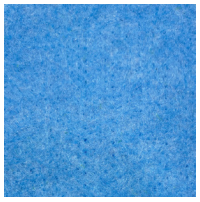
Violet
(RAL 4005)

15

Marine Blue
(RAL 5011)

16

Deep Sea
(RAL 5002)

17

Sky Blue
(RAL 5007)

18

Laguna Blue
(RAL 5012)

19

Emerald
(RAL 6012)

20

Lime
(RAL 6011)

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RUN INFORMATION

Specify run length to the nearest one foot. Factory will configure using the least quantity of fixtures as close to the desired run length as possible without exceeding the length. Mounting points will be located to provide the most even appearance possible. Consult factory for other mounting options.

Runs to be confirmed with a shop drawing.

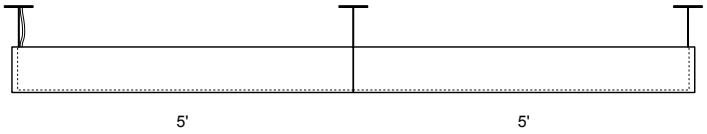
RUN LENGTH	FIXTURES USED (TO THE NOMINAL FOOT)
2′	2′
3′	3′
4′	4′
5′	5′
6′	6′
7′	7′
8′	8′
9′	5′ + 4′
10′	5′ + 5′
11′	6′ + 5′
12′	6′ + 6′
13′	7′ + 6′
14′	7′ + 7′
15′	8′ + 7′
16′	8′ + 8′
17′	6′ + 5′ + 6′
18′	6′ + 6′ + 6′

RUN LENGTH	FIXTURES USED (TO THE NOMINAL FOOT)
19′	6′ + 7′ + 6′
20′	7′ + 6′ + 7′
21′	7′ + 7′ + 7′
22′	7′ + 8′ + 7′
23′	8′ + 7′ + 8′
24′	8′ + 8′ + 8′
25′	6′ + 6′ + 6′ + 7′
26′	7′ + 6′ + 6′ + 7′
27′	7′ + 7′ + 7′ + 6′
28′	7′ + 7′ + 7′ + 7′
29′	7′ + 7′ + 7′ + 8′
30′	8′ + 7′ + 7′ + 8′
31′	8′ + 8′ + 8′ + 7′
32′	8′ + 8′ + 8′ + 8′
33′	6′ + 7′ + 7′ + 7′ + 6′
34′	7′ + 7′ + 6′ + 7′ + 7′

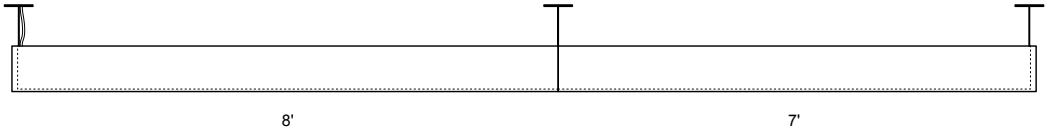
RUN LENGTH	FIXTURES USED (TO THE NOMINAL FOOT)
35′	7′ + 7′ + 7′ + 7′ + 7′
36′	7′ + 7′ + 8′ + 7′ + 7′
37′	8′ + 7′ + 7′ + 7′ + 8′
38′	7′ + 8′ + 8′ + 8′ + 7′
39′	8′ + 8′ + 7′ + 8′ + 8′
40′	8′ + 8′ + 8′ + 8′ + 8′
41′	7′ + 7′ + 7′ + 7′ + 7′ + 6′
42′	7′ + 7′ + 7′ + 7′ + 7′ + 7′
43′	7′ + 7′ + 7′ + 7′ + 7′ + 8′
44′	8′ + 7′ + 7′ + 7′ + 7′ + 8′
45′	8′ + 8′ + 7′ + 7′ + 7′ + 8′
46′	7′ + 8′ + 8′ + 8′ + 8′ + 7′
47′	8′ + 8′ + 8′ + 8′ + 8′ + 7′
48′	8′ + 8′ + 8′ + 8′ + 8′ + 8′
49′	7′ + 7′ + 7′ + 7′ + 7′ + 7′ + 7′
50′	7′ + 7′ + 7′ + 8′ + 7′ + 7′ + 7′

ILLUSTRATED EXAMPLES

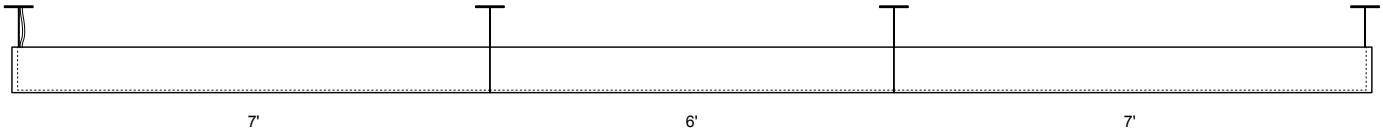
10′ RUN



15′ RUN



20′ RUN



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