

GENERAL SHEET NOTES

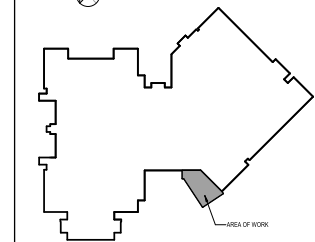
- DO NOT SCALE DRAWINGS.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CROSS-CHECK THE MEP DRAWINGS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO THE ORDERING, INSTALLATION OF MECHANICAL, ELECTRICAL, AND PLUMBING WORK. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND MEP DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR IMMEDIATE CLARIFICATION.
- COORDINATE WORK WITH OTHER TRADES. EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND THE CONDITIONS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. COORDINATE THE INSTALLATION WITH OTHER TRADES AS REQUIRED TO ENSURE A NEAT AND DIRECTLY INSTALLATION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BEFORE STARTING WORK.
- GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- WHERE THERE MAY BE A CONFLICT IN THE SPECIFICATIONS AND/OR DRAWINGS, THEN THE MORE EXPENSIVE LABOR, MATERIALS AND EQUIPMENT SHALL BE ASSUMED TO BE REQUIRED AND SHALL BE PROVIDED BY THE GENERAL CONTRACTOR TO THE SATISFACTION OF THE OWNER.
- ALL DOORS SHALL BE LOCATED 4\"/>

REFERENCE KEYNOTES

PLAN KEYNOTES

- PROVIDE NEW CONCRETE WALL ANCHORS TO MATCH EXISTING WALL CONSTRUCTION. PROVIDE NEW 45 MINUTE FIRE PROTECTED HM DOORS.
- INSTALL NEW 8\"/>

KEYPLAN



ASSOCIATION

DATE

REV

PRELIMINARY DRAFT
NOT FOR CONSTRUCTION.
BID, RELIANCE,
RECORDING PURPOSES
OR IMPLEMENTATION.

HUDSON HIGH SCHOOL - ORCHESTRA ADDITION
2300 HUDSON AVE. AKA. RD. HUDSON, NH 03051

ISSUED FOR:	
PERMIT	----
BID	----
CONSTRUCTION	----
RECORD	----
PROJECT MANAGER	DESIGNER
JP	FL

2024098.02

A-101

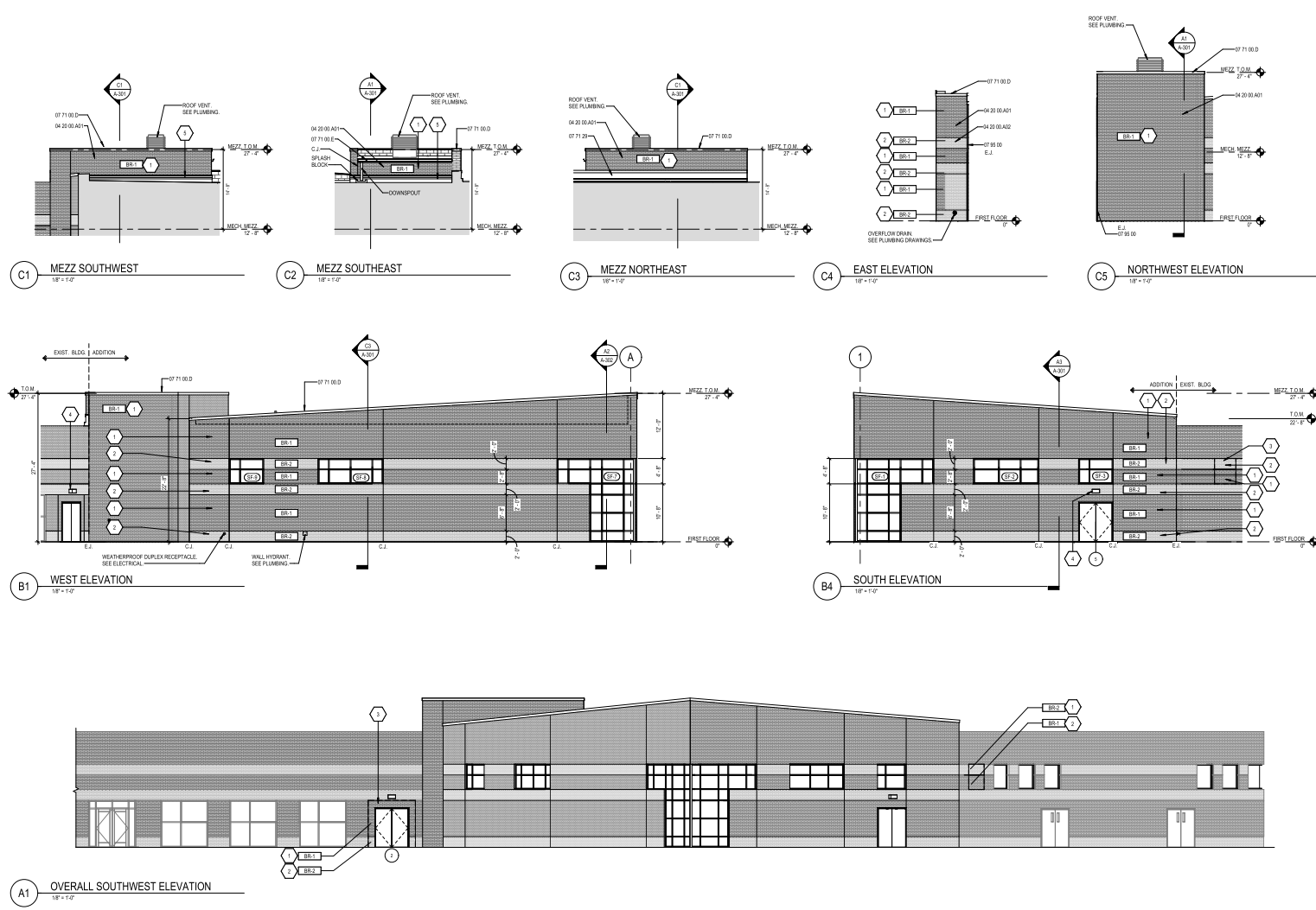
FLOOR PLANS

REFERENCED KEYNOTE

04 20 00 A01 CLAY MASONRY VENEER (TYPE 1)
 04 20 00 A02 CLAY MASONRY VENEER (TYPE 2)
 07 71 00 D GRAVEL STOP
 07 71 00 E GUTTER
 07 71 00 F MANUFACTURED ROOF EXPANSION JOINTS
 07 95 00 EXPANSION CONTROL

PLAN KEYNOTES

1. BRICK TYPE 1 (04 20 00 A01) - UTILITY BRICK (RED) (SEE TUDOR BLIND) (EXISTING)
 2. BRICK TYPE 2 (04 20 00 A02) - UTILITY BRICK (RED) (SEE VELOUR BRICK) (EXISTING)
 3. WALL IMPR. SEE STRUCTURAL
 4. WALL PACK LIGHT FEATURE. SEE ELECTRICAL
 5. WALL FLASHING. REFER TO WALL SECTIONS AND DETAILS SHEET.



ASSOCIATION

DATE

REV

**PRELIMINARY DRAFT
 NOT FOR CONSTRUCTION.
 BID, REFINANCE,
 RECORDING PURPOSES
 OR IMPLEMENTATION.**

**HUDSON HIGH SCHOOL - ORCHESTRA ADDITION
 2300 HUDSON AUKORA RD HUDSON, NY 12534**

EXTERIOR ELEVATIONS

ISSUED FOR:	
PERMIT	---
BID	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
JP	FL

2024098.02

A-201



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



View looking southeast along the drive to the west side of the school by the staff parking lot.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



View looking southeast along the drive to the staff parking lot (on right) and Malson Athletic Center/Hudson Memorial Stadium in the distance.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



Looking northeast from the drive to the loading dock area. Chiller yard screen fencing to the right.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



Looking east from the drive to the area of the Orchestra addition. Carpentry lab to the right, auditorium stage high loft in the background.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



Looking east from the drive – Malson Athletic Center straight ahead, Hudson High School to the left.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



Looking north/northeast at the carpentry lab. The Orchestra Addition will abut the building at this corner to the left.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



Looking north – carpentry lab is to the right. The addition will be situated in the current lawn area.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



The Orchestra addition will abut the wall of the carpentry lab (to the right) and the corridor (angled wall). The high window openings and two openings in the corridor will be infilled with concrete masonry due to the addition. The fence and trees in this view will be removed.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



View looking northwest – orchestra addition will be to the right. A total of four (4) trees will be removed.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



View looking west – parking/drive to the left, chiller enclosure to the right.

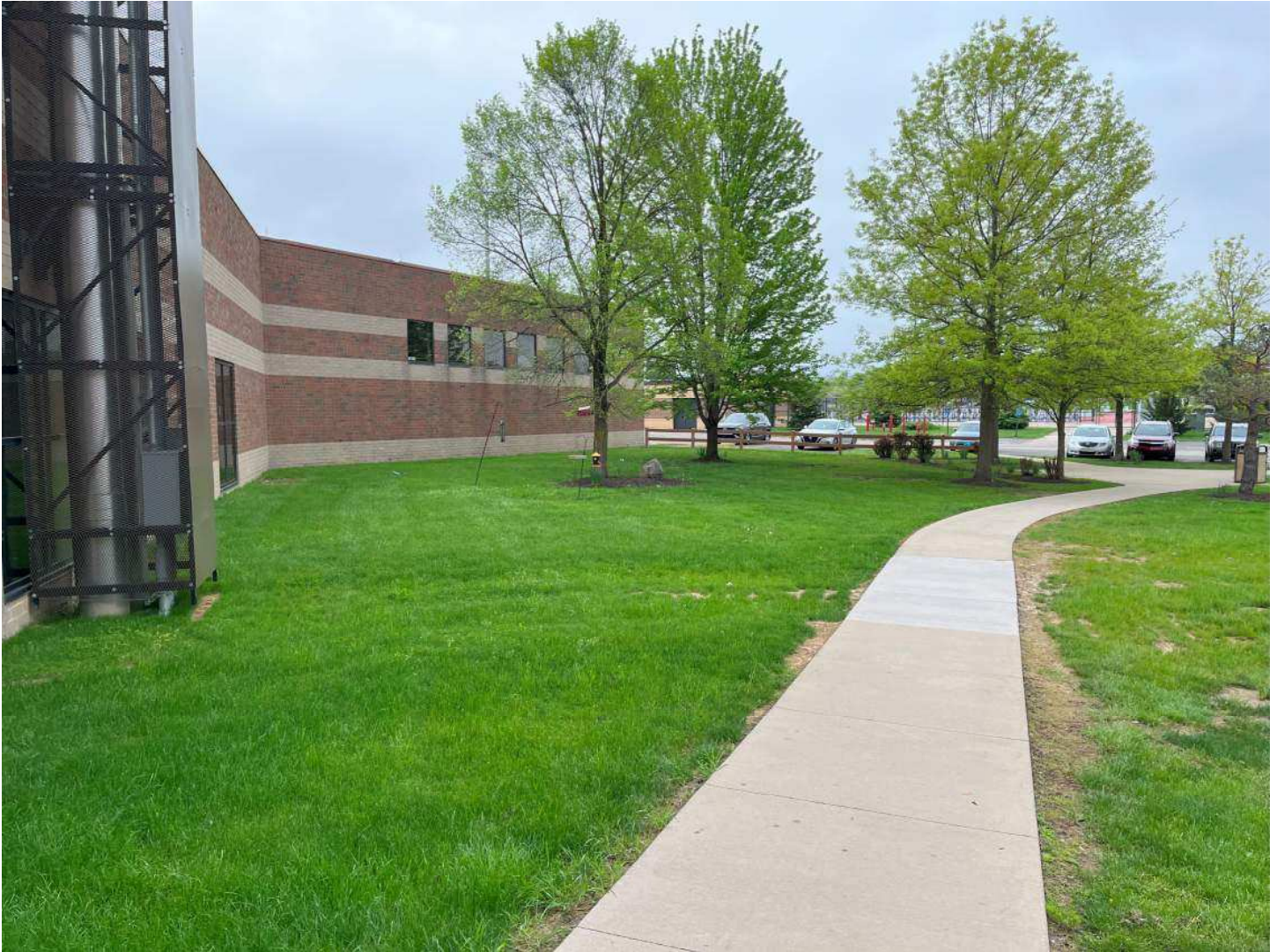


ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



View looking southeast from the loading dock. The Orchestra addition will be located in the lawn to the right of the building. Portions of the walk will be removed and reconfigured.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



Looking south from the loading dock. The Chillers enclosure and related utilities are unaffected.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



View looking southwest from the loading dock.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



View looking east – an existing corridor is to the left and carpentry lab to the west where the Orchestra addition is to be abutting.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



Existing recycling dumpsters – not a part of the project

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



View looking east of the addition south of the Carpentry Lab where an existing fenced dust collection system is located as well as parking.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



View looking west along south wall of Graphic Arts and Carpentry Programs. Existing entry concrete pads, dust collection system and gas service regulator are present as well as parking.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



Concrete pad and apron at doors to Carpentry Lab.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



Concrete walk at Malson Athletic Center south of the Orchestra Addition and Carpentry/Graphic Arts Labs.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Site Images

5/12/25 – Updated 6/12/25



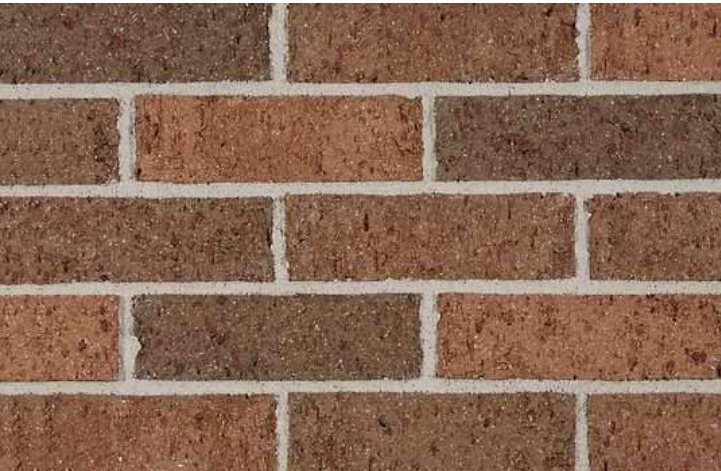
EMS access drive heading east between Hudson High School and Malson Athletic Center.

St Simon Blend Dart-Tex

Brick Type 1 (Field) - Same brick used on Hudson High School



Hudson High School
Orchestra Addition
Exterior Finish Selections
6/12/25



Type	Face
Color	Brown
Texture	Dart-Tex
Plant	Plant 8
Manufacturing Method	Extruded

Sizes

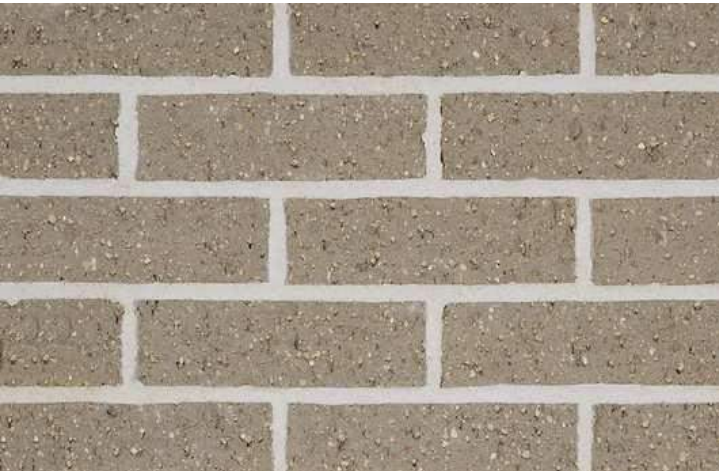
Sizes	Width	Height	Length	Unit/Sq Ft
Modular	3 5/8" 92mm	2 1/4" 57mm	7 5/8" 194mm	6.86
Norman	3 5/8" 92mm	2 1/4" 57mm	11 5/8" 295mm	4.57
Ambassador	3 5/8" 92mm	2 1/4" 57mm	15 5/8" 397mm	3.43
Economo Modular	3 5/8" 92mm	3 5/8" 92mm	7 5/8" 194mm	4.50
Utility	3 5/8" 92mm	3 5/8" 92mm	11 5/8" 295mm	3.00
Monarch	3 5/8" 92mm	3 5/8" 92mm	15 5/8" 397mm	2.25

Specs

Standards / Value	FACE BRICK C216	FBS
Size		
Avg. Comp. (PSI)	14,720	
Avg. 24 Hr. Cold Water Absor.	5.10	
Avg. 5 Hr. Boil Absor.	6.60	
Avg. Saturation Coeff.	0.77	
Avg. Initial Rate Absor.	11.30	
Test Report	 Download	
Cleaning Recommendation	Belden Brick recommends using Vanatrol® to clean this product. Alternatively, EaCo Chem NMD 80® can be used to clean any of our brick.	

8522 Coarse Velour

Brick Type 2 (Accent Banding) - Same accent banding brick used on Hudson High School





Type	Face
Color	Gray
Texture	Coarse Velour
Plant	Plant 8
Manufacturing Method	Extruded

Sizes

Sizes	Width	Height	Length	Unit/Sq Ft
Modular	3 5/8" 92mm	2 1/4" 57mm	7 5/8" 194mm	6.86
Norman	3 5/8" 92mm	2 1/4" 57mm	11 5/8" 295mm	4.57
Ambassador	3 5/8" 92mm	2 1/4" 57mm	15 5/8" 397mm	3.43
Economo Modular	3 5/8" 92mm	3 5/8" 92mm	7 5/8" 194mm	4.50
Utility	3 5/8" 92mm	3 5/8" 92mm	11 5/8" 295mm	3.00
Monarch	3 5/8" 92mm	3 5/8" 92mm	15 5/8" 397mm	2.25
Modular 5/8 Flat Back	5/8" 16mm	2 1/4" 57mm	7 5/8" 194mm	6.86
Economo Modular 5/8 Flat Back	5/8" 16mm	3 5/8" 92mm	7 5/8" 194mm	4.50
Norman 5/8 Flat Back	5/8" 16mm	2 1/4" 57mm	11 5/8" 295mm	4.57
Utility 5/8 Flat Back	5/8" 16mm	3 5/8" 92mm	11 5/8" 295mm	3.00
Modular 3/4 Back Surface Texture	3/4" 19mm	2 1/4" 57mm	7 5/8" 194mm	6.86
Economo Modular 3/4 Back Surface Texture	3/4" 19mm	3 5/8" 92mm	7 5/8" 194mm	4.50
Norman 3/4 Back Surface Texture	3/4" 19mm	2 1/4" 57mm	11 5/8" 295mm	4.57
Utility 3/4 Back Surface Texture	3/4" 19mm	3 5/8" 92mm	11 5/8" 295mm	3.00

Specs

Standards / Value	FACE BRICK C216	FBS
	THIN BRICK C1088	TBS
	THIN BRICK PCI	Length and Height
Size		
Avg. Comp. (PSI)	13,090	
Avg. 24 Hr. Cold Water Absor.	3.70	
Avg. 5 Hr. Boil Absor.	5.30	
Avg. Saturation Coeff.	0.70	
Avg. Initial Rate Absor.	7.70	
Test Report	 Download	
Size	Thin	
Avg. 24 Hr. Cold Water Absor.	3.70	
Avg. 5 Hr. Boil Absor.	5.30	
Avg. Saturation Coeff.	0.70	
Test Report	 Download	
Cleaning Recommendation	Belden Brick recommends using Vanatrol® to clean this product. Alternatively, EaCo Chem NMD 80® can be used to clean any of our brick.	



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition

Brick Matching Images

6/12/25



Brick selections held up against the existing brick. The brick is the same brick originally used on Hudson High School.



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition Brick Matching Images 6/12/25



Brick Type 1 held up against existing field brick (Belden Tudor Blend Dart-TeX)



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition Brick Matching Images 6/12/25



Brick Type 2 held up against the existing accent banding brick (Belden 8522 Course Velour)



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition
Brick Matching Images
6/12/25



Mortar selection for field brick Type 1 (Fairborn Cement Company – 55C Keystone)



ARCHITECTS • ENGINEERS • PLANNERS

Hudson High School – Orchestra Addition Brick Matching Images

6/12/25

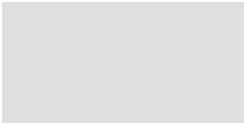
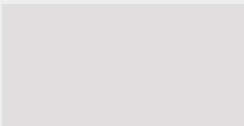




Mortar selection for field brick Type 2 (Fairborn Cement Company – 50 Kentucky Ochre)

KAWNEER ANODIZED FINISHES

Kawneer gives you a wide variety of anodized finishes with attractive alternatives. The benefit of a durable, anodized finish is married to the beauty of some very dynamic and exciting colors.

At the start of every design, there's a choice of how you want to finish. Contact your Kawneer sales rep for the information on these and other finishes available from Kawneer.

	KAWNEER FINISH NO.	COLOR	ALUMINUM ASSOCIATION SPECIFICATION	OTHER COMMENTS
	#14	CLEAR	AA-M10C21A41	Architectural Class I (0.7 mils minimum)
	#17	CLEAR	AA-M10C21A31	Architectural Class II (0.4 mils minimum)
	Selection #40	DARK BRONZE	AA-M10C21A44	Architectural Class I (0.7 mils minimum)
	#29	BLACK	AA-M10C21A44	Architectural Class I (0.7 mils minimum)

FLUSHLINE™ ENTRANCES

FRP (Fiberglass Reinforced Polyester) Doors
(Matches Existing)



High-Traffic Entrances Designed to Protect What's Inside

narrow lite view
windows in corridor
(not half lite as shown
- fire rated)

Dark Bronze Anodize
lite frames, perimeter
trim

Eagle Point Elementary School
DeForest, Wisconsin
ARCHITECT
Foth & Van Dyke, Green Bay, Wisconsin
GLAZING CONTRACTOR
Lake City Glass & Paint, Madison, Wisconsin
PHOTOGRAPHY
© Bob Freund

Our proven Flushline™ Entrances have been enhanced from the inside out for the performance and protection you need for today's harsh environments, more demanding building codes and commercial applications where durability is needed. This makes Flushline™ Entrances the natural choice for educational building applications – from grade schools to universities – where durability, strong design aesthetics, security and a custom look are important.

For decades, our Flushline™ heavy-duty flush panel door has provided the kind of performance you need in areas with heavy traffic. Now, our impact-tested, blast-tested and expanded hardware provides architects, designers and building owners with the ideal solution to protect our students and educators from unpredictable natural disasters and other threats. Kawneer is proud to continue to serve as a single-source solution for entrances that are proven to protect what's inside.

PERFORMANCE

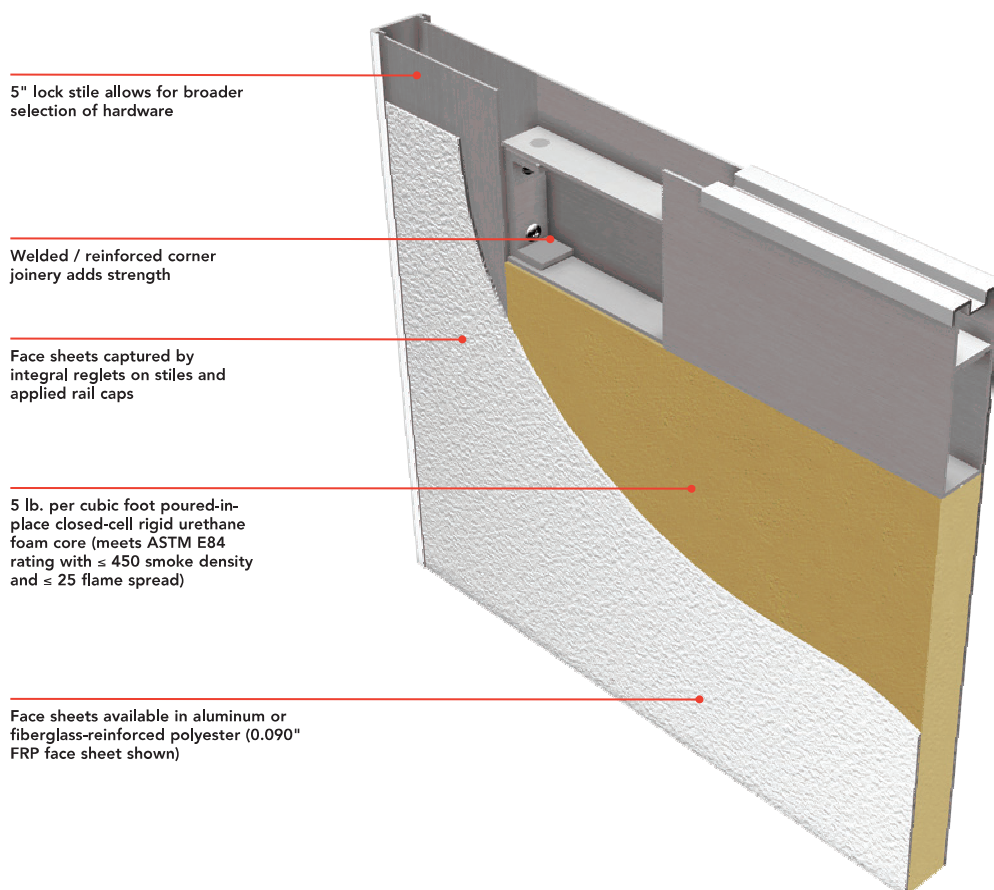
Flushline™ Entrances are engineered to resist many forms of damage associated with educational building applications – from athletic equipment to active students to the high-volume traffic associated with day-to-day use. But more than that, these doors have been designed to meet third-party testing standards for hurricane resistance and blast mitigation. Now tested for both large and small missile impact, Flushline™ Entrances not only withstand windborne debris and hurricane forces, but also provide increased security throughout the year. And, as one of the first aluminum flush doors tested for blast mitigation, Flushline™ Entrances help to protect students and educators from bomb blasts.

These tough exterior doors are constructed with vertical stiles joined to top and bottom rails by Sigma deep-penetration welds. Mechanical clips and Sigma fillet welds create the strongest door corners available today – a configuration that withstands abusive conditions while providing lower maintenance costs. Flushline™ Entrances provide both strength and flexibility to withstand years of wear and abuse.

AESTHETICS AND VERSATILITY

Starting with the exterior, our engineers have designed Flushline™ Entrances with a flush appearance and face sheets that are captured with integral projections on the stiles and applied rail caps. Aluminum face sheets are available in both plain and embossed textures, with anodized or painted finishes. Fiberglass-reinforced polyester (FRP) sheets are also available and are designed to be colorfast and resist fading due to ultraviolet rays. Extremely tough FRP sheets resist the scratching and denting that can occur with metal skins.

Wider 5" lock stiles offer the added benefit of a broader selection of standard hardware options, allowing Flushline™ Entrances to match other entrances in the building for a total building solution. For maximum versatility, Flushline™ Entrances can also accommodate geometric aluminum framed vision lites.



© Kawneer Company, Inc. 2016–2019
Form Number 17-2253.B
Flushline™ is a trademark of Kawneer Company, Inc.

Kawneer Company, Inc.
Technology Park / Atlanta

555 Guthridge Court
Norcross, GA 30092

770.449.5555
kawneer.com



ARCHITECTURAL SYSTEMS | ENTRANCES + FRAMING | CURTAIN WALLS | WINDOWS

COLOR CHART



Express Colors*

Roof Edge Fascia



Standard Colors



Premium Colors



* = Also in Mill Finish
 ■ = Post-Painted
 ▲ = Must Specify Supplier
 ★ = Available in 3 Other Stone Colors

Our colors are deep, rich and true. Made of Valspar's Fluorpon® High Performance Hylar 5000®/Kynar 500® finish, they offer the ultimate in resistance against fading and weathering. Custom colors also available.

METL-0008

Quick Reference Guide

Hylar 5000®/Kynar 500®		24 ga.	22 ga.	.040"	.050"	.063"
Aged Bronze	*					
Almond	*	*	*	*	*	
Antique Bronze	*		*	*	*	
Black ▲	*	*	*	*	*	*
Bone White	*	*	*	*	*	*
Buckskin	*					
Cardinal (Regal) Red	*					
Charcoal (Charcoal Gray)	*	*	*	*	*	
Cityscape	*	*	*	*	*	
Classic Bronze	*					
Colonial Red	*		*	*	*	
Dark Bronze	*	*	*	*	*	*
Evergreen	*					
Forest (Sherwood) Green	*	*	*	*	*	
Granite	*	*	*	*	*	
Hartford Green	*		*	*	*	
Hemlock Green	*					
Inkwell	*					
Interstate (Regal) Blue	*	*	*	*	*	
Iron Ore	*		*	*	*	
Mansard Brown	*	*	*	*	*	
Medium Bronze	*	*	*	*	*	*
Midnight (Extra Dark) Bronze	*	*	*	*	*	
Musket Gray	*	*	*	*	*	
Onyx (Matte Black) ▲	*	*	*	*	*	
Pacific Blue	*					
Patina Green ▲	*		*	*	*	
Regal White	*		*	*	*	
Sandstone	*	*	*	*	*	*
Sierra Tan	*	*	*	*	*	
Slate Gray	*	*	*	*	*	
Sky (Military) Blue	*	*	*	*	*	
Stone White	*	*	*	*	*	*
Terra Cotta	*			*	*	

Premium	Award Blue	*				
Champagne Metallic	*	*	*	*	*	
Copper Penny (Classic)	*		*	*	*	
Sand Stone (Spatter Coat)			*	*	*	*
Silver (Metallic)	*	*	*	*	*	
Silversmith			*	*	*	
Weathered Zinc	*	*	*	*	*	
Zinc	*		*	*	*	

Coil Anodized	Black			*		
Clear			*	*	*	*
Dark Bronze			*	*	*	*

Other	Mill Finish (3003-H14)	.040, .050, .063, .080, .100, .125
	110 Copper	16 oz. & 20 oz.
	304 - 2B Stainless Steel	20 ga., 22 ga. & 24 ga.
	Galvanized Steel	16 ga., 20 ga., 22 ga. & 24 ga.
	Galvalume Plus	22 ga., 24 ga.
	Paint Grip	24 ga.

Please Note

Express colors available in shorter lead times for 24 ga., .040" and .050" only. Standard lead times, which may be longer, apply for 22 ga. and .063"

Protective film must be removed immediately. Please note this chart is only a representation of color options. Color matches should only be made with actual samples. Please call or write for actual metal sample(s).

Metal-Era® receives metal through multiple vendors. If a specific metal vendor is required for a project, please specify this at the time of order.

These color reproductions are as accurate as modern printing technology will permit and may vary slightly from actual colors supplied. Finished color chip samples are available upon request. Customer is responsible for color selections chosen from printed literature.

Kynar 500 based fluoropolymer coating is a high-grade architectural finish offering excellent resistance to degradation caused by nature's elements and airborne contaminants. A limited thirty (30) year warranty is available on the prefinished coil-coated steel and aluminum colors shown.

A limited ten (10) year warranty is included for post-painted Kynar-coated aluminum applications unless otherwise stated. A twenty (20) year warranty is also available only upon request at the time of order. Restrictions may apply; consult a sales representative for specific information.

Standard anodized finishes that utilize a continuous coil anodizing process to provide excellent color consistency from piece to piece are available. However, shade variations may occur from coil batch to coil batch. Class I batch anodizing is also available.

Kynar 500 is a registered trademark of Arkema, Inc. Valspar is a registered trademark of Valspar Sourcing, Inc.

Due to product improvements and changes, we reserve the right to change or delete information herein without prior notice.

©2024. All statements made herein are based on performance and testing and are believed to be accurate and reliable. However, the statements are made without guarantee and warranty on our part. Statements concerning possible use of our products are made without knowledge of infringement of any valid patent. No warranty, express or implied, other than that described in this literature, is made or intended. Kynar 500 is a registered trademark belonging to Arkema Inc.



1600 Airport Road | Waukesha, WI 53188
800-558-2162
metalera.com
Copyright ©2024. All rights reserved.



Rev. 10/2024

Also available: Stucco Embossed Sheets

▲ = Must specify supplier. Contact Metal-Era for specific color information.

Project	Hudson HS Orchestra Addition	Catalog #		Type	
Prepared by		Notes		Date	



Lumark

Axcent

Wall Mount Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Product Specifications [page 4](#)
- Energy and Performance Data [page 4](#)
- Control Options [page 6](#)

Quick Facts

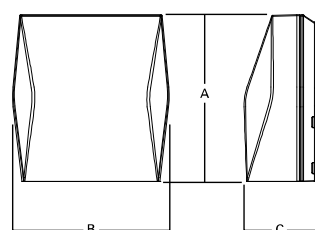
- Available in 12W - 116W (1,800 - 16,000 lumens) models
- Full cutoff and refractive lens models available
- Energy and maintenance savings up to 95% compared to HID
- Energy efficient illumination results in up to 177LPW
- Replaces 70W up to 450W HID equivalents

Connected Systems

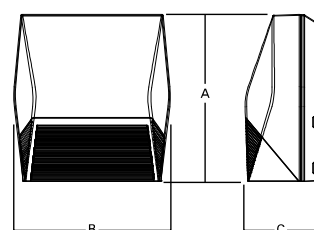
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless
- Enlighted

Dimensional Details

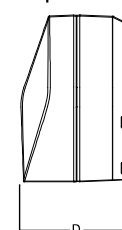
Full Cutoff



Refractive Lens



Deep Back Housing



Dimensional Data

	AXCS Small	AXCL Large
A	8" [202mm]	11-1/2" [292mm]
B	7-1/2" [190mm]	10-3/4" [273mm]
C	3-5/8" [94mm]	4-7/8" [124mm]
D	6-1/8" [155mm]	7-1/8" [181mm]

Ordering Information

SAMPLE NUMBER: AXCS1A-AP-347V

Domestic Preferences ²⁷	Model Series ¹	LED Color Temperature	Color	Options (Add as Suffix)
[Blank] =Standard BAA =Buy American Act TAA =Trade Agreements Act	Full Cutoff AXCS1A =12W AXCS2A =16W AXCS3A =23W AXCS4A =38W AXCS5A =45W AXCL6A =50W AXCL8A =66W AXCL10A =89W AXCL12A =116W Refractive Lens AXCS1ARL =12W AXCS2ARL =16W AXCS3ARL =23W AXCS4ARL =38W AXCS5ARL =45W AXCL6ARL =50W AXCL8ARL =66W AXCL10ARL =89W AXCL12ARL =116W	[Blank] =4000K, Neutral C =5000K, Cool W =3000K, Warm	[Blank] =Carbon Bronze (Standard) WT =Summit White BK =Black AP =Grey GM =Graphite Metallic DP =Dark Platinum	347V =347V ² 480V =480V ² PC1 =Photocontrol 120V ^{3, 4, 5} PC2 =Photocontrol 208-277V, 347V, 480V ^{4, 5, 6} PC =Photocontrol 120-277V, 347V, 480V ^{4, 7, 8} KKIT =Knuckle Floodlight Mount ⁷ TRNKIT =Trunnion Floodlight Mount SFKIT =Slipfitter Floodlight Mount PMakit =Pole Mount Arm WPS2XX =Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height ^{4, 9, 10, 11} WPS4XX =Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height ^{4, 9, 10, 11} WLS2XX =WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{4, 9, 10, 11} WLS4XX =WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{4, 9, 10, 11} LWR-LW =Enlighted Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{4, 9, 12} LWR-LN =Enlighted Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{4, 9, 12} MSP/DIM-L12 =Integrated Sensor for Dimming Operation, 8' - 12' Mounting Height ^{4, 9, 13} MSP/DIM-L30 =Integrated Sensor for Dimming Operation, 12' - 30' Mounting Height ^{4, 9, 13} MSP-L12 =Integrated Sensor for ON/OFF Operation, 8' - 12' Mounting Height ^{4, 9, 13} MSP-L30 =Integrated Sensor for ON/OFF Operation, 12' - 30' Mounting Height ^{4, 9, 13} CBP =Cold Weather Battery Pack ^{3, 14, 15, 16, 17, 18} CBP-CEC =Cold Weather Battery Pack, CEC compliant ^{3, 14, 15, 16, 17, 18} 10K =10kV/10kA Surge Protection HA =50°C High Ambient ^{15, 19} GRF =Glare Reducing Lens ²⁰ AHD145 =After Hours Dim, 5 Hours ^{5, 21} AHD245 =After Hours Dim, 6 Hours ^{5, 21} AHD255 =After Hours Dim, 7 Hours ^{5, 21} AHD355 =After Hours Dim, 8 Hours ^{5, 21}
Accessories (Order Separately) ^{22, 28}				
VS/AXCS-XX =Vandal Shield Axcent Small ^{7, 23} VS/AXCS-MS =Vandal Shield Axcent Small (With Motion Sensor) ^{7, 23} WG/AXCS =Wire Guard Axcent Small ⁷ WG/AXCS-MS =Wire Guard Axcent Small (With Motion Sensor) ⁷ VS/AXCL-XX =Vandal Shield Axcent Large ^{5, 23} VS/AXCL-MS =Vandal Shield Axcent (With Motion Sensor) ^{5, 23} WG/AXCL =Wire Guard Axcent Large ⁵ WG/AXCL-MS =Wire Guard Axcent (With Motion Sensor) ⁵ BB/AXC =Axcent Lumen Select Back Box, Carbon Bronze ²⁴ BB/AXC-PC =Axcent Lumen Select Back Box with PC, Carbon Bronze ^{24, 25} BB/AXC-WT =Axcent Lumen Select Back Box, Summit White ²⁴ BB/AXC-WT-PC =Axcent Lumen Select Back Box with PC, Summit White ^{24, 25}				
NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2. Transformer used only when ordered with motion sensor or AXCS1 through AXCS5 or AXCL6 fixture wattages. 3. Not available in 347 or 480 VAC. 4. Button photocontrol and any motion sensor (MSP or LWR) not offered together. 5. Only available on AXCL6-AXCL12 models. 6. Used with 277, 347, and 480 VAC options. 7. Only available on AXCS1-AXCS5 models. 8. This configuration may contain materials that are not RoHS compliant. Contact your lighting representative for more information. 9. Uses deep back housing. 10. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F). For the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information. 11. Replace XX with sensor color (WH, BZ, or BK). 12. Enlighted wireless sensors are factory installed and require network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See website for application information. 13. The ISHH-01 accessory is required to adjust parameters. 14. Ambient operating temperature -20°C to 25°C for AXCL6 through AXCL10. Ambient operating temperature -20°C to 30°C on AXCS4 models. Ambient operating temperature -20°C to 40°C on AXCS1 through AXCS3 models. 15. Not available with AXCS5 or AXCL12 models. 16. Uses deep back housing for AXCS1, AXCL2, AXCS3, and AXCS4 models. 17. Not to be mounted in upwards / inverted orientation. Downlight wall mount only for AXCS1 through AXCS4. 18. CBP cannot be used with PC and motion sensor (MSP or LWR). CBP can be used with PC or motion sensor (MSP or LWR). 19. Can not be ordered with CBP or PC options. 20. Use dedicated IES files on product website for lumen values and distributions. 21. Requires the use of PC1 or PC2 button photocontrol. See After Hours Dim supplemental guide for additional information. 22. Replace XX with color designation. 23. For use with full cutoff lens configurations only. 24. Lumen Select functionality not available in conjunction with any motion sensor option (MSP or LWR). Photocontrol back box not available with any photocontrol or motion sensor options (PC, MSP or LWR). 25. Photocell only operates at 120-277V input voltages. Not for use with 347 or 480V systems. 26. This tool enables adjustment to parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information. 27. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC.PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 28. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.				

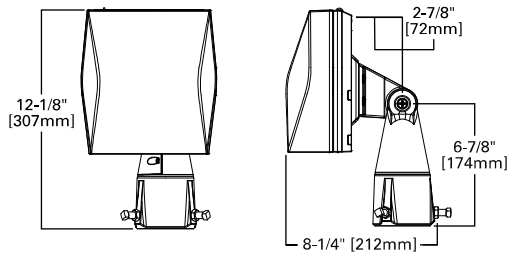
Stock Ordering Information

Model Series ¹			
Full Cutoff		Refractive Lens	
AXCS1A=12W	AXCL10A=102W	AXCS1ARL=12W	AXCL10ARL=89W
AXCS2A=16W	AXCL12A=123W	AXCS2ARL=16W	AXCL12ARL=116W
AXCS3A=23W	AXCL6A-347V=50W	AXCS3ARL=23W	AXCL6ARL-347V=50W
AXCS4A=38W	AXCL8A-347V=66W	AXCS4ARL=38W	AXCL8ARL-347V=66W
AXCS5A=45W	AXCL10A-347V=89W	AXCS5ARL=45W	AXCL10ARL-347V=89W
AXCL6A=56W	AXCL12A-347V=116W	AXCL6ARL=50W	AXCL12ARL-347V=116W
AXCL8A=72W		AXCL8ARL=66W	

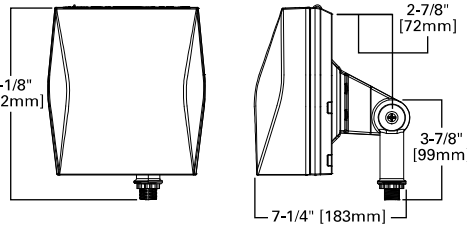
Note: All stock configurations are 4000K color temperatures, standard Carbon Bronze finish, and wall mount configuration.

Mounting Details

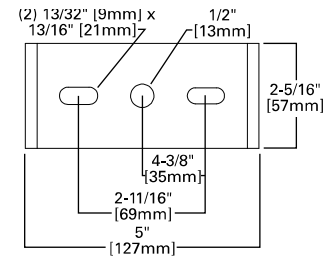
Slipfitter Mount (Small)
Tenon OD: 2-3/8" | EPA: 0.60



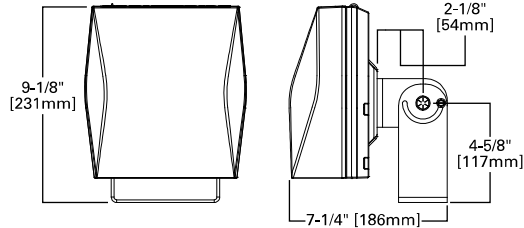
Knuckle Mount (Small)



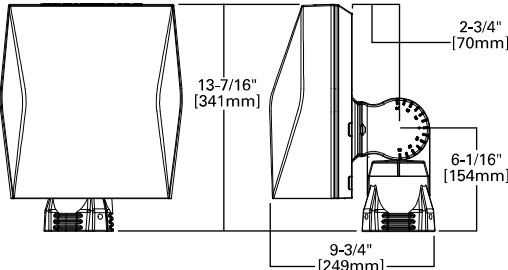
Trunnion Mount Detail



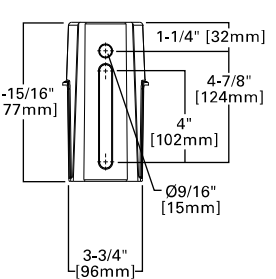
Trunnion Mount (Small)



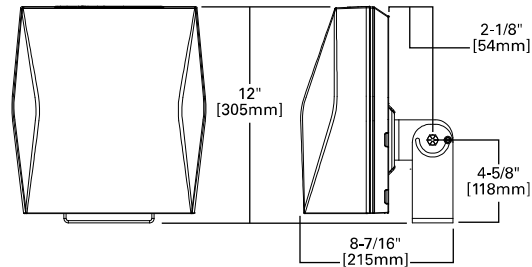
Slipfitter Mount (Large)
Tenon OD: 2-3/8" to 2-7/8" | EPA: 1.10



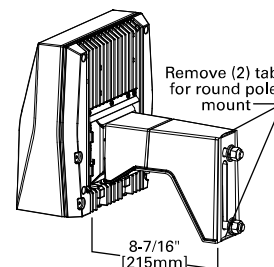
Pole Mount Arm Drill Pattern



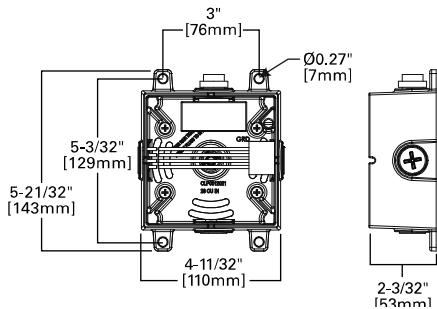
Trunnion Mount (Large)



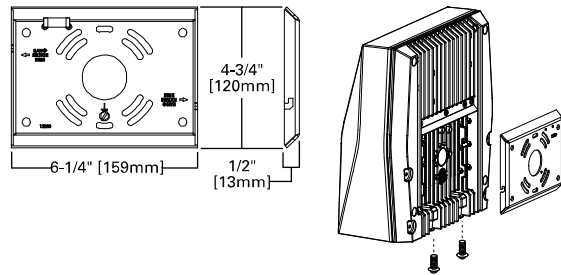
Pole Mount Arm (Large)
EPA: 1.10



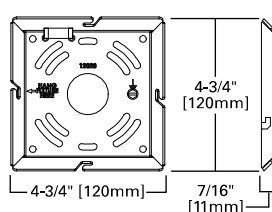
Lumen Select Back Box



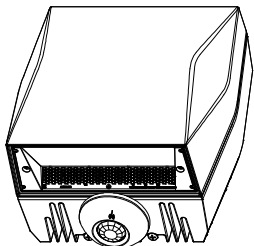
Wall Mount Plate Detail (Large)



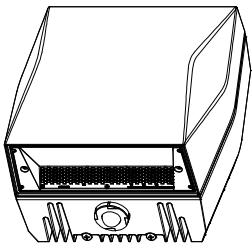
Wall Mount Plate Detail (Small)



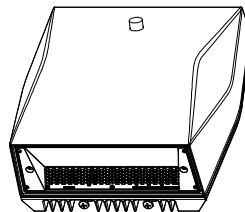
Enlightened Sensor



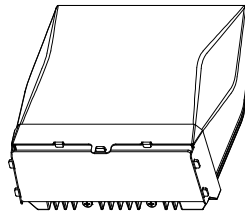
Occupancy Sensor



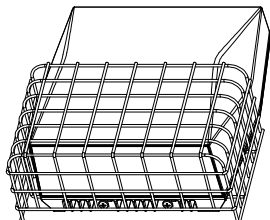
Button Photocontrol



Vandal Shield



Wire Guard



Product Specifications

Construction

- Die-cast aluminum housing
- External back fin design extracts heat from the surface to thermally optimize design for longer luminaire life

Optics

- Dark Sky Approved (Fixed mount, Full cutoff, and 3000K CCT only)
- Silicone-sealed optical LED chamber
- Acrylic refractive or full cutoff lens options for Type IV distributions

Electrical

- Standard universal voltage (120-277V, 50/60Hz)
- Driver incorporates 6kV surge protection
- -40°C minimum operating temperature
- 40°C maximum operating temperature
- <20% total harmonic distortion
- 0-10V dimming driver is standard with leads external to the fixture

Mounting

- Steel wedge mounting plate fits directly to 4" standard j-box or directly to wall with the "Hook-N-Lock" mechanism
- Stainless steel set screws
- Lumen Select Back Box accessory offers four 1/2" NPT conduit entry wire ways. Resistor Pack combinations allow field-dimming of 75% or 50% when connected to luminaire dimming leads
- Not suitable for indoor use when installed in inverted/uplight orientation

Emergency Egress

- Optional integral cold weather battery emergency egress includes emergency operation test switch, an AC-ON indicator light and a premium, maintenance-free battery pack
- The separate emergency lighting LEDs are wired to provide redundant emergency lighting. Listed to UL Standard 924, Emergency Lighting

Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness

Shipping Data

- Small fixture=5 lbs. [2.36 kgs.]
- Small with sensor or CBP=10 lbs. [4.40 kgs.]
- Large fixture=12 lbs. [5.45 kgs.]
- Large with sensor or CBP=17 lbs. [7.73 kgs.]
- Large with sensor & CBP=21 lbs. [9.54 kgs.]

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Power and Lumens (Axcent Small)

Light Engine		AXCS1A	AXCS2A	AXCS3A	AXCS4A	AXCS5A
Power (Watts)		12	16	23	38	45
Input Current @ 120V (A)		0.10	0.13	0.19	0.32	0.38
Input Current @ 240V (A)		0.05	0.07	0.10	0.16	0.19
Input Current @ 277V (A)		0.04	0.06	0.08	0.14	0.16
Input Current @ 347V (A)		0.03	0.05	0.07	0.11	0.13
Input Current @ 480V (A)		0.03	0.03	0.05	0.08	0.09
Configuration						
Full Cutoff	4000K/5000K Lumens	1,786	2,589	3,551	5,500	6,348
	3000K Lumens	1,509	2,188	3,001	4,648	5,365
	BUG Rating	B1-U0-G0	B1-U0-G0	B1-U0-G0	B2-U0-G1	B2-U0-G1
Refractive Lens	4000K/5000K Lumens	1,894	2,745	3,765	5,832	6,731
	3000K Lumens	1,600	2,320	3,182	4,928	5,688
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G2	B1-U4-G3	B1-U4-G3

Power and Lumens (Axcent Large)

Light Engine		AXCL6A	AXCL8A	AXCL10A	AXCL12A
Power (Watts)		50	66	89	115
Input Current @ 120V (A)		0.41	0.54	0.74	0.96
Input Current @ 240V (A)		0.21	0.27	0.37	0.48
Input Current @ 277V (A)		0.18	0.24	0.32	0.42
Input Current @ 347V (A)		0.14	0.19	0.26	0.33
Input Current @ 480V (A)		0.10	0.14	0.19	0.24
Configuration					
Full Cutoff	4000K Lumens	7,594	9,716	12,719	16,302
	5000K Rating	7,501	9,598	12,564	16,103
	3000K Lumens	6,502	8,319	10,890	13,958
	BUG Rating	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2
Refractive Lens	4000K Lumens	7,809	10,331	13,665	16,637
	5000K Rating	7,714	10,205	13,498	16,434
	3000K Lumens	6,686	8,845	11,700	14,244
	BUG Rating	B1-U4-G4	B2-U5-G5	B2-U5-G5	B2-U5-G5

Energy and Performance Data

Power and Lumens (Small + CBP)

Light Engine		AXCS1A	AXCS2A	AXCS3A	AXCS4A
Power (Watts)		16	20	27	42
Input Current @ 120V (A)		0.13	0.17	0.23	0.35
Input Current @ 240V (A)		0.07	0.08	0.11	0.18
Input Current @ 277V (A)		0.06	0.07	0.10	0.15
Configuration					
Full Cutoff	4000K/5000K Lumens	742	792	789	644
	3000K Lumens	627	670	667	545
Refractive Lens	4000K/5000K Lumens	787	841	837	684
	3000K Lumens	664	710	708	655

Note: Power and current based on full power consumption while CBP is charging. Lumen outputs are while operating in emergency mode only.

Power and Lumens (Large + CBP)

Light Engine		AXCL6A	AXCL8A	AXCL10A
Power (Watts)		54	70	93
Input Current @ 120V (A)		0.45	0.58	0.77
Input Current @ 240V (A)		0.22	0.29	0.38
Input Current @ 277V (A)		0.19	0.25	0.33
Configuration				
Full Cutoff	4000K/5000K Lumens	141*10W=1410		
	3000K Lumens	122*10=1220		
Refractive Lens	4000K/5000K Lumens	151*10=1510		
	3000K Lumens	131*10=1310		

Note: Power and current based on full power consumption while CBP is charging. Lumen outputs are while operating in emergency mode only.

Power and Lumens Multipliers (Lumen Select Back Box + Axcent Small)

Configuration		~75% Nominal Output	~50% Nominal Output
Catalog Number	Material Number	Connect per Installation Instructions	
AXCS1A*	13109741 or 13109939 or Other	74%	50%
AXCS2A*	13109698 or 13109938 or Other	74%	50%
AXCS3A*	13109697 or 13109937 or Other	74%	50%
AXCS4A*	13109695 or 13109936	75%	40%
AXCS4A*	13495299 or 13495470 or Other	72%	50%
AXCS5A*	13109652 or 13109935	75%	40%
AXCS5A*	13495471 or 13495472 or Other	72%	50%

Power and Lumens Multipliers (Lumen Select Back Box + Axcent Large)

Configuration		~75% Nominal Output	~50% Nominal Output
Catalog Number	Material Number	Connect per Installation Instructions	
AXCL6A*	13645910 or 13645979	69%	47%
AXCL8A*	13645970 or 13645984	69%	47%
AXCL10A*	13645971 or 13645989	69%	47%
AXCL12A*	13645972 & 13645993	72%	49%

Lumen Maintenance (Axcent Small)

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)
Up to 3A	
25°C	88%
40°C	87%
50°C	87%
Up to 4A	
25°C	88%
40°C	87%
50°C	87%
Up to 5A	
25°C	87%
40°C	86%

Lumen Maintenance (Axcent Large)

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)
Up to 8A	
25°C	89%
40°C	87%
50°C	86%
Up to 10A	
25°C	88%
40°C	86%
50°C	85%
Up to 12A	
25°C	85%
40°C	82%

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.97

Control Options

0-10V This fixture is offered standard with 0-10V dimming driver(s) for use with a lighting control panel or other control method.

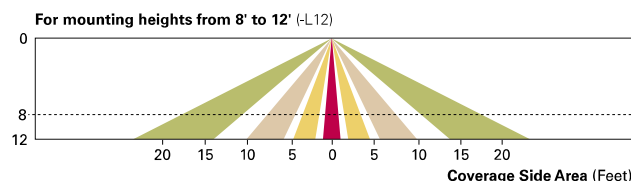
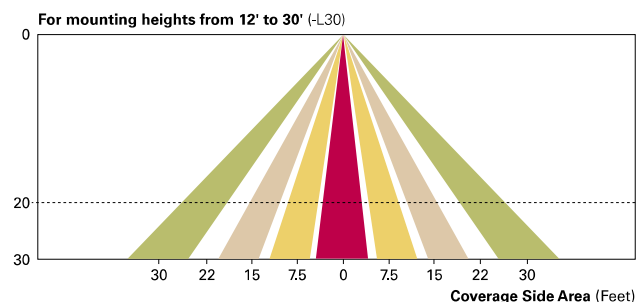
Photocontrol (PC1, PC2 and PC) Optional button-type photocontrol provides a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels.

After Hours Dim (AHD) This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MSP/DIM-LXX and MSP-LXX) These sensors are factory installed in the luminaire housing. When the MSP/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MSP/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of ten minutes. The MSP-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity.

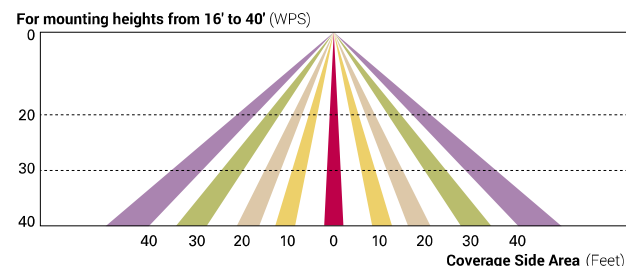
These occupancy sensors includes an integrated photocell that can be activated with the ISHH-01 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is ON. The ISHH-01 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-30'.



WaveLinx Wireless Control and Monitoring System The WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.



Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN) The Enlighted System is a connected lighting solution that combines LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of other resources beyond lighting.

