



# URBAN DESIGN COMMISSION APPLICATION CITY OF MADISON

This form may also be completed online at:  
<http://www.cityofmadison.com/planning/documents/UDCapplication.pdf>

215 Martin Luther King Jr. Blvd; Room LL-100  
PO Box 2985; Madison, Wisconsin 53701-2985  
Phone: 608.266.4635 | Facsimile: 608.267.8739

Please complete all sections of the application, including the desired meeting date and the type of action requested.

Date Submitted: <u>3/23/16</u>	<input type="checkbox"/> Informational Presentation <input type="checkbox"/> Initial Approval <input checked="" type="checkbox"/> Final Approval
UDC Meeting Date: <u>4/06/16</u>	
Combined Schedule Plan Commission Date (if applicable): <u>N/A</u>	

1. Project Address: 740 University Avenue  
Project Title (if any): UW-Madison School of Music Performance

2. This is an application for (Check all that apply to this UDC application):

New Development     Alteration to an Existing or Previously-Approved Development

**A. Project Type:**

- Project in an Urban Design District\* (public hearing-\$300 fee)
- Project in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) (\$150 fee, Minor Exterior Alterations)
- Suburban Employment Center (SEC) or Campus Institutional District (CI) or Employment Campus District (EC)
- Planned Development (PD)
  - General Development Plan (GDP)
  - Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Planned Residential Complex

AGENDA ITEM #	<u>4</u>
LEGISTAR #	<u>35124</u>
ALD. DIST.	<u>8</u>

CITY OF MADISON

11:20 a.m.

MAR 23 2016

Planning & Community & Economic Development

**B. Signage:**

- Comprehensive Design Review\* (public hearing-\$300 fee)
- Signage Exception(s) in an Urban Design District (public hearing-\$300 fee)
- Street Graphics Variance\* (public hearing-\$300 fee)

**C. Other:**

Please specify: \_\_\_\_\_

**3. Applicant, Agent & Property Owner Information:**

Applicant Name: Gary Brown  
 Street Address: 30 N. Mills Street  
 Telephone: (608) 263-3023 Fax: ( ) \_\_\_\_\_

Company: University of Wisconsin-Madison  
 City/State: Madison, Wisconsin Zip: 53715  
 Email: gary.brown@wisc.edu

Project Contact Person: Mark Bastian  
 Street Address: 6411 Mineral Point Road  
 Telephone: (608) 276-9200 Fax: ( ) \_\_\_\_\_

Company: Strang, Inc.  
 City/State: Madison, Wisconsin Zip: 53705  
 Email: mbastian@strang-inc.com

Project Owner (if not applicant): Board of Regents  
 Street Address: 1860 Van Hise Hall: 1220 Linden Drive  
 Telephone: (608) 262-2321 Fax: ( ) \_\_\_\_\_

City/State: Madison, Wisconsin Zip: 53706  
 Email: \_\_\_\_\_

**4. Applicant Declarations:**

A. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Tim Parks on 09/25/14.

B. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of Applicant Gary A. Brown

Relationship to Property Owner's Representative

Authorized Signature Gary A. Brown

Date 3/2/16



March 23, 2016

Al Martin  
City of Madison Urban Design Commission  
215 Martin Luther King Jr. Blvd  
Madison Municipal Building, Room LL-100  
Madison, WI 53701-2985

**RE: UW-Madison School of Music Performance, DFD Project No. 10F2J:  
740 University Avenue**

This submittal application is for final approval from the City of Madison Urban Design Commission for Phase I/II of the Music Performance Facility located at 740 University Avenue on the UW-Madison campus. This application is in response to condition #50 as provided by the City of Madison Planning Division in their February 10, 2015 comments. The condition reads:

*"That prior to commencement of construction of Phase II of the Music Performance Building, the University receive approval from the Urban Design Commission of the final exterior design of that phase. It is recommended that as part of the Phase II exterior approval, the eastern façade be designed to incorporate potential public art opportunities, materials changes and vertical articulation of the lower approximately 40 feet of the building, and window openings along the first floor if possible, with the overall goal of creating a more visually interesting and better activated street wall along the N. Lake Street sidewalk."*

Phase I and Phase II will be constructed together and are anticipated to follow the following schedule:

- Completion of construction documents: 07/2016
- Bid Date: 10/2016
- Construction: 12/2016 - 10/2018
- Occupancy: 11/2016

We have included the letter of intent from the previous Initial/Final UDC approval for reference. Please contact me at 608-263-3023 if you have any questions or need further information.

Thank you,

Gary A. Brown, FASLA  
Director, Campus Planning & Landscape Architecture  
Facilities Planning & Management, University of Wisconsin-Madison

cc: *Mark Bastian, Strang, Inc. Project Manager*  
*Pete Heaslett, UW-Madison FP&M Project Manager*  
*Aaron Williams, Assistant Campus Planner & Zoning Coordinator*



**HOLZMAN MOSS BOTTINO  
ARCHITECTURE**

REFERENCE ONLY

December 17, 2014

**Letter of Intent**

To: Urban Design Commission

Project: UW-Madison School of Music Performance, DFD Project No. 10F2J  
740 University Avenue

**Client**

Wisconsin Dept. of Administration  
Division of Facilities Development (DFD)  
101 East Wilson Street, 7th Floor, P.O. Box 7866, Madison, WI 53707-7866  
Russ Van Gilder, Project Manager russ.vangilder@wisconsin.gov  
P: 608-266-1412

**Institution**

University of Wisconsin-Madison, Madison, WI  
Peter Heaslett, Project Manager pheaslett@fpm.wisc.edu  
P: 608-263-3012  
Gary Brown, Director, Campus Planning & Landscape Architecture gbrown@fpm.wisc.edu  
P: 608-263-3023  
Susan Cook, Director, School of Music, Professor of Musicology director@music.wisc.edu  
P: 608-263-1900

**Architectural (Prime Firm)**

Strang, Inc.  
6411 Mineral Point Road, Madison, WI 53705-4395  
P: 608-276-9200  
Larry Barton, Principal barton@strang-inc.com  
Mark Bastian, Senior Project Manager mbastian@strang-inc.com

**Architectural (Association Firm)**

Holzman Moss Bottino Architecture (HMBA)  
214 West 29th Street Tower, 17th Floor, New York, NY 10001  
P: 212-465-0808  
Malcolm Holzman, Principal mholzman@holzmanmoss.com  
Douglas Moss, Partner dmoss@holzmanmoss.com

**Landscape Architecture**

Ken Saiki Design  
303 South Paterson Street, Suite 1, Madison, WI 53703  
P: 608-251-3600  
Ken Saiki, Landscape Team Leader ksaiki@ksd-la.com  
Shane Bernau, Landscape Architect sbernau@ksd-la.com

**Civil Engineering**

OTIE Engineering  
5100 Eastpark Blvd, Suite 300, Madison, WI 53718  
P: 608-243-6470  
Steve Whayland, Civil Team Leader swhayland@otie.com



**Project Data and Statistics:**

Current zoning: C-I, Campus Institutional

Building Area:	Total building area (Phase I) =	32,123 gross square feet
	Total building area (Phase II) =	<u>42,335 gross square feet</u>
	Total overall building area (Phase I & II) =	74,458 gross square feet

Building height above grade is 2 stories (approx. 42') Phase I; 3 stories (approx. 56') Phase II.

**Building Summary:**

The University of Wisconsin - Madison School of Music proposes a new Performance Facility project as part of the University's Music / Art Museum Block Master Plan. The site is located at the intersection of North Lake Street and University Avenue. The Music Performance Building has both an academic and a public mission. The site development will accommodate regular users; students, faculty and staff, as well as, occasional guests. Building massing, use of materials and location will contribute to the project as a true campus gateway. The project consists of a 32,123 GSF Phase I scope. This includes the construction a 325-seat Recital Hall, a 3,100 ASF Rehearsal Space, as well as, main front lobby and all the necessary support spaces. Phase II to the north, will include the 737-seat concert hall as a separate future project. Phase II, currently not funded, however will be included in the initial design work of Phase I to provide integration of all building systems between the two phases. The site has been cleared to receive the new building. The project is seeking design review and approval for Phase I and Phase II.

**Site and Landscape Design:**

Site design will accessibly accommodate pedestrian, cyclist, and vehicular users. The site and landscape design will facilitate gracious entries into the proposed building from University Avenue and will engage the street at the pedestrian level. New amenities include paving, street trees, site lighting, site furniture, and landscaping. Site design must also relocate an existing bus stop within the project boundary along University Ave. Coordination with the city to expand North Lake Street's right-of-way for an additional south bound lane is on-going. Furthermore, the project vacates a portion of Fitch Ct.

**Parking and Access:**

Included in Phase I, 28 automobile parking stalls will be provided for UW - Madison campus permit lot use. In addition, 2 accessible stalls will be provided. Accessible parking is provided near the northwest end of the building. 56 bicycle parking stalls are provided near the west student entrance and along North Lake Street. One loading dock will be provided on the northwest end of the building. Delivery, service and fire department access to the center of the block will be provided via the parking lot access drive for Phase I. Under Phase II development, all surface parking is eliminated.

**Site Utility/HVAC Equipment Locations and Screening:**

All HVAC Equipment will be located in the lower level of the building.

**Project Schedule:**

Construction is currently scheduled to begin in November 2015 and be completed in spring 2017.

Attachments: Application, Letter of Intent, Initial/ Final Submission Packet





**HOLZMAN MOSS BOTTINO  
ARCHITECTURE**

April 06, 2016

**Letter of Intent: Update**

To: Urban Design Commission

Project: UW-Madison School of Music Performance, DFD Project No. 10F2J  
740 University Avenue

**Client**

Wisconsin Dept. of Administration  
Division of Facilities Development (DFD)  
101 East Wilson Street, 7th Floor, P.O. Box 7866, Madison, WI 53707-7866  
Russ Van Gilder, Project Manager russ.vangilder@wisconsin.gov  
P: 608-266-1412

**Institution**

University of Wisconsin-Madison, Madison, WI  
Peter Heaslett, Project Manager pheaslett@fpm.wisc.edu  
P: 608-263-3012  
Gary Brown, Director, Campus Planning & Landscape Architecture gbrown@fpm.wisc.edu  
P: 608-263-3023  
Susan Cook, Director, School of Music, Professor of Musicology director@music.wisc.edu  
P: 608-263-1900

**Architectural (Prime Firm)**

Strang, Inc.  
6411 Mineral Point Road, Madison, WI 53705-4395  
P: 608-276-9200  
Larry Barton, Principal barton@strang-inc.com  
Mark Bastian, Vice President, Senior Project Director mbastian@strang-inc.com

**Architectural (Association Firm)**

Holzman Moss Bottino Architecture (HMBA)  
90 Broad Street, Suite 1803, New York, New York 10004  
P: 212-465-0808  
Malcolm Holzman, Partner mholzman@holzmanmoss.com  
Evan Delli Paoli, Associate Principal edellipaoli@holzmanmossbottino.com

**Landscape Architecture**

Ken Saiki Design  
303 South Paterson Street, Suite 1, Madison, WI 53703  
P: 608-251-3600  
Ken Saiki, Landscape Team Leader ksaiiki@ksd-la.com  
Shane Bernau, Landscape Architect sbernau@ksd-la.com

**Update:**

The included update package is intended to communicate current project direction from past submission.

The unified project has provided the following design updates:

- Two story limestone facades for the east, west and north elevations. This had been proposed as a renovation/ new construction option as part of the phase II design.

**Building Summary:**

The University of Wisconsin - Madison School of Music proposes a new Performance Facility project as part of the University's Music / Art Museum Block Master Plan. The site is located at the intersection of North Lake Street and University Avenue. The Music Performance Building has both an academic and a public mission. The site development will accommodate regular users; students, faculty and staff, as well as, occasional guests. Building massing, use of materials and location will contribute to the project as a true campus gateway. The project consists of 74,840 GSF scope. This includes the construction a 650 seat concert hall, a 319 seat recital hall, a large rehearsal hall, as well as, a main front lobby and all the necessary support spaces.

**Site and Landscape Design:**

Site design accommodates the relocation of two existing bus stops within the project boundary along University Ave and Lake Street. Coordination with the city to expand North Lake Street's right-of-way for an additional south bound lane has occurred.

UW Extension

GENERAL NOTES:  
 1. ALL PLANTING BEDS SHALL RECEIVE 12" MIN. PLANTING SOIL & 3" SHREDDED HARDWOOD BARK MULCH UNLESS NOTED OTHERWISE.



STRANG ARCHITECTURE  
 1015 UNIVERSITY AVENUE  
 MADISON, WI 53706  
 608.263.1100  
 www.strangarch.com



HOLEMAN MOSSBROOK ARCHITECTURE  
 1015 UNIVERSITY AVENUE  
 MADISON, WI 53706  
 608.263.1100  
 www.holemanmossbrook.com

State of Wisconsin  
 Department of Administration  
 Division of Facilities Development (DFD)  
 Project Address:  
 720 UNIVERSITY AVENUE  
 MADISON, WISCONSIN 53706

Project Title: MUSIC PERFORMANCE BUILDING, PHASE I & II  
 Agency/Institution: UW SYSTEM ADMINISTRATION  
 UNIVERSITY OF WISCONSIN - MADISON  
 Sheet Title: LANDSCAPE PLAN

Revisions

No.	Date:	Description:

Graphic Scale  
 DFP Number: 10P22  
 Date Issued: 02-18-2016  
 Sheet Number: L200

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

CALL DIGGERS HOTLINE  
 1-800-242-8511  
 TOLL FREE  
 FAX A LOCATE 1-800-338-3860  
 TDD (FOR HEARING IMPAIRED) 1-800-542-2289  
 WIS. STATUTE 182.013 (1874)  
 RESISTERS MIN. OF 3 BUSINESS  
 NOTICE BEFORE YOU EXCAVATE.



Plant List / Phase I	Key Botanical Name	Common Name	Quantity	Size	Spec	Comments	Mature Size
<b>Deciduous Trees</b>							
AL	<i>Amygdalochloris laevis</i> 'Lustris'	Lustris A. Spiny Dewberry	3	8" FE	B&B	Single leader, free form	10' H x 2.5' SP
DT	<i>Cornus paniculata</i> var. 'variegata 'Soleya'	White Snow Hydrangea	2	3" Cal	B&B	Single, straight leader, branching shrub start at 5'-0" min	20-60' H x 3'-4'-0" SP
ML	<i>Magnolia x spicata</i> 'Leonard Meyer'	Leonard Medal Magnolia	1	8" FE	B&B	Low branching of multi-stem, branching shrub start below 3'-0" min	10' H x 2.0' SP
PA	<i>Prunella x americana</i> 'Moroni Circle'	Excelsior London Plumtree	2	2-1/2" Cal	B&B	Single leader, free form	50' H x 3.0' SP
UF	<i>Ulmus 'Foster'</i>	Foster Elm	2	2" Cal	B&B	Single, straight leader, branching shrub start at 5'-0" min	60' H x 2.0' SP
UN	<i>Ulmus x 'New Horizon'</i>	New Horizon Elm	1	2.5" Cal	B&B	Single, straight leader, match specimen, branching shrub start at 5'-0" min	50-60' H x 4.0-5.0' SP
<b>Deciduous Shrubs &amp; Vines</b>							
DI	<i>Diervilla lonicera</i>	Chart Blue-honey suckle	30	3 gal	CONT	Space 4'-0" o.c.	1.5-2' H x 4-5' SP
HQ	<i>Hydrangea paniculata</i> 'App Love'	One Wave, Okada Hydrangea	9	3 gal	CONT	Space as indicated on plans	3-4' H x 2.5-3' SP
<b>Evergreen Shrubs</b>							
TM	<i>Taxus media</i> 'Pyramis'	Pyra. Spruce	8	30" FE	CONT	See plan, match spacing and configuration of Chazen hedges	
TR	<i>Thuja occidentalis</i> 'Holmsport'	Holmsport Arborvitae	11	48" FE	B&B	Space as indicated on plans	12-16' H x 2'-4" SP
<b>Perennials &amp; Ornamental Grasses</b>							
AN	<i>Anemone pulsatilla</i> 'Honey Bells'	Honey Bells Anemone	28	1 gal	CONT	Space 3'-0" o.c.	3' H x 2.5-3' SP
AL	<i>Alum. Indigofera</i> 'Summer Beauty'	Summer Beauty Ornamental Chive	28	1 gal	CONT	Space 18" o.c. plant in drifts of 5-15 plants	12" H x 11" SP
BA	<i>Basilista australis</i>	Blue Floss Hyacinth	30	1 gal	CONT	Space 3'-0" o.c.	3' H x 2.5-3' SP
DO	<i>Dianthus barbatus</i> 'Blonde Ambrosia'	Blonde Ambrosia Blue Grama Grass	133	1 gal	CONT	Space 3'-0" o.c.	3' H x 2.5-3' SP
CA	<i>Calamagrostis acutiflora</i> 'Auriflora'	Karl Foerster Feather Reed	2	2 gal	CONT	Space 3'-0" o.c.	4' H x 2.5-3' SP
CO	<i>Campanula medium</i> 'Elmer's Delight'	Elmer's Delight	28	1 gal	CONT	Space 24" o.c.	1.5-2' H x 1.5-2' SP
SP	<i>Schizanthus litoralis</i> 'Peach Blossom'	Peach Blossom	38	1 gal	CONT	Space 18" o.c.	1.5-2' H x 1.5-2' SP
MO	<i>Moltis Blue Angel'</i>	Blue Angel Moltis	14	2 gal	CONT	Space 3'-0" o.c.	2.5' H x 4' SP
DO	<i>Dianthus barbatus</i> 'Blonde Ambrosia'	Blonde Ambrosia	34	2 gal	CONT	Space 3'-0" o.c.	3' H x 2.5-3' SP
SA	<i>Sedum 'Autumn Fire'</i>	Autumn Fire Sedum	20	1 gal	CONT	Space 18" o.c.	1.5-2' H x 1.5-2' SP
AN	<i>Anemone pulsatilla</i> 'Tara'	Tara Anemone	22	1 gal	CONT	Space 18" o.c.	1.5-2' H x 1.5-2' SP

City of Madison - Landscape Worksheet			Points Req.
Total Sq. Footage of Developed Area	5 per 300 sq ft developed area	60041	
Total No. of Landscape Points Req.		1001	
Plant Type/Element	Minimum Size at Installation	Points	Credit/ Existing Landscaping
Overstory deciduous tree	2 1/2 inch caliper (dbh)	35	Quantity Points Achieved
Tall evergreen tree (i.e. pine, spruce)	5-6 feet tall	35	Quantity Points Achieved
Ornamental tree	1 1/2 inch caliper	15	Quantity Points Achieved
Upright evergreen shrub (i.e. arborvitae)	3-4 feet tall	10	Quantity Points Achieved
Shrub, deciduous	#3 gallon container size, Min. 12"-24"	3	Quantity Points Achieved
Shrub, evergreen	#3 gallon container size, Min. 12"-24"	4	Quantity Points Achieved
Ornamental grasses/perennials	#1 gallon container size, Min. 8"-18"	2	Quantity Points Achieved
Ornamental/decorative fencing or wall	n/a	4 per 10 lin. ft.	Quantity Points Achieved
Existing significant specimen tree	min 2-1/2" cal.	14 per inch dbh	Quantity Points Achieved
Landscape furniture for public seating and/or transit connections	publicly accessible	5 per seat	Quantity Points Achieved
<b>TOTAL POINTS</b>			<b>1587</b>

CHAZEN MUSEUM OF ART

REPAIR SEED LAWN DAMAGED BY CONSTRUCTION ACTIVITIES

REPAIR SEED LAWN DAMAGED BY CONSTRUCTION ACTIVITIES

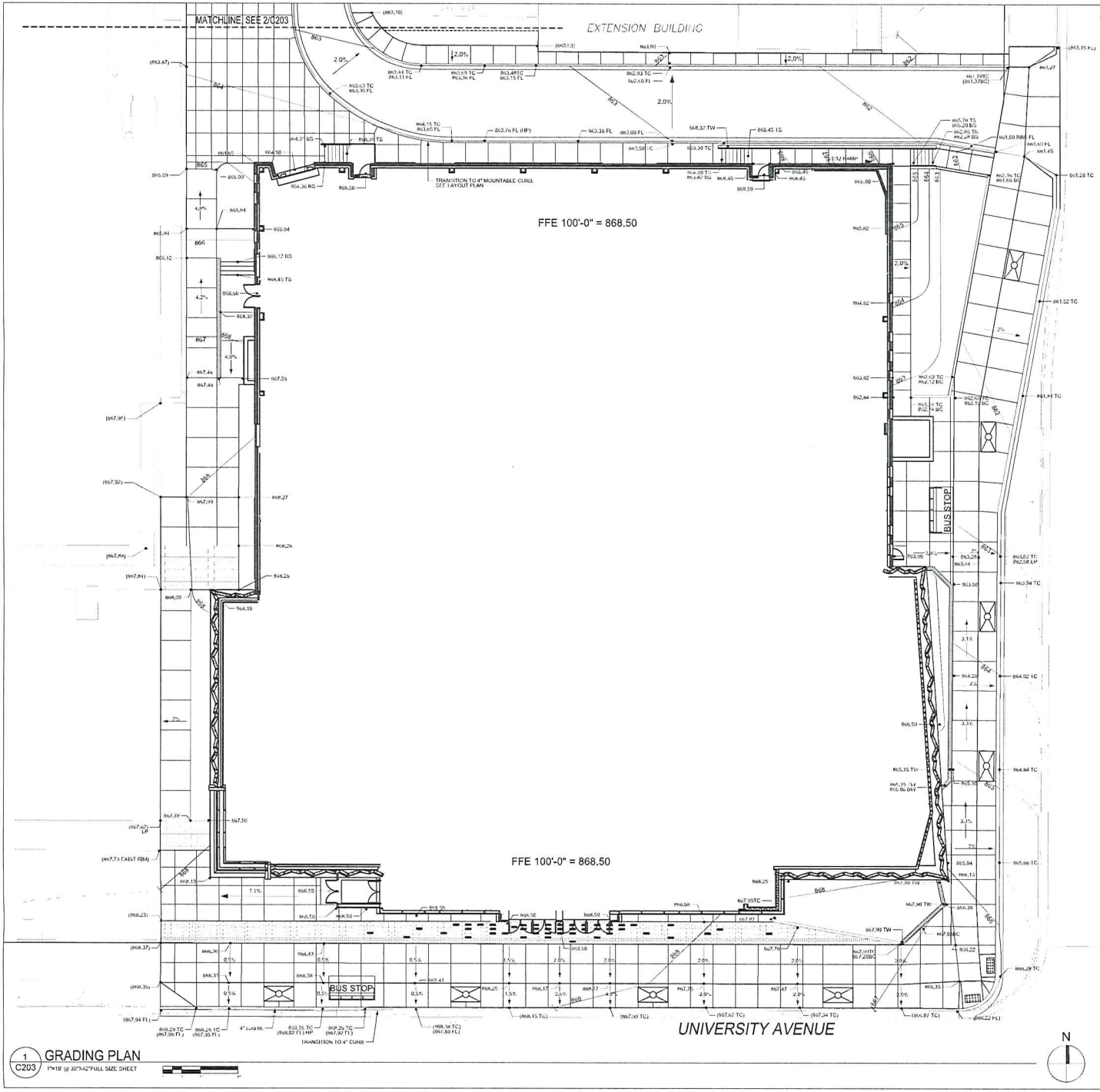
BUS STOP

SAVE & PROTECT (1) EXISTING HYBRID ELM STREET TREE. INSTALL NEW TREE GRATE.

UNIVERSITY AVENUE

1 LANDSCAPE PLAN  
 L200 1"=10' @ 30"x42" FULL SIZE SHEET





GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR STAKING SITE FOR HORIZONTAL AND VERTICAL ALIGNMENT.
2. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING SITE ELEMENTS. CONTRACTOR SHALL CONTACT DIGGERS HOT LINE AND UW MADISON FPM FOR UNDERGROUND UTILITY LOCATIONS.
3. COORDINATES ARE BASED ON WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY. SITE SURVEY PROVIDED BY JSD PROFESSIONAL SERVICES, INC ON JULY 22TH, 2014.
4. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK IS UW03, A BRASS CAP IN A MONUMENT BOX. PUBLISHED AS 861.35.
5. THE PARKING LOT DESIGN IS ACCORDING TO STATE OF WISCONSIN PARKING DESIGN STANDARDS AND APPROVED BY THE STATE OF WISCONSIN.
6. LAKE ST. CURB ALIGNMENT AND DESIGN GRADES PROVIDED BY CITY OF MADISON.

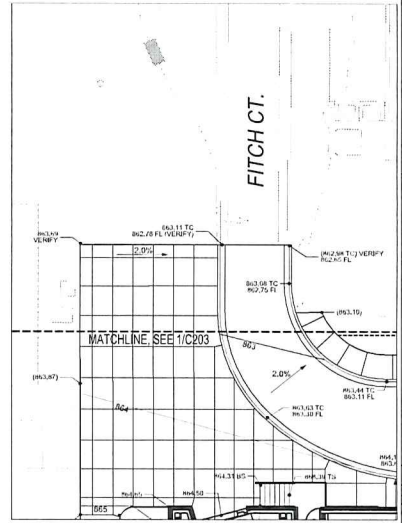
LEGEND

TC	TOP OF CURB
BC	BOTTOM OF CURB
FL	FLOW LINE
( )	VERIFY & MATCH EXISTING ELEVATION
TW	TOP OF WALL
BW	BOTTOM OF WALL
FFE	FINISH FLOOR ELEVATION
HP	HIGH POINT
(---)	EXISTING CONTOUR
(---)	NEW CONTOUR

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.



CALL BROKERS HOTLINE  
 1-800-242-8911  
 TOLL FREE  
 FAX & LOCATE 1-800-233-5860  
 TDD (FOR HEARING IMPAIRED) 1-800-542-2289



2 FITCH CT. GRADING PLAN  
 1"=10' @ 30% SCALE SHEET

**STRANG**  
 ARCHITECTURE  
 ENGINEERING  
 INTERIOR DESIGN

---

CONSULTANT:

---

Project Address:  
 1500 UNIVERSITY AVENUE  
 MADISON, WISCONSIN 53706

---

State of Wisconsin  
 Department of Administration  
 Division of Facilities Development (DFD)

---

Agency In Charge:  
 UNIVERSITY OF WISCONSIN - MADISON  
 DIVISION OF FACILITIES DEVELOPMENT

---

Revisions

No.	Date	Description

---

Graphic Scale: 1"=10'

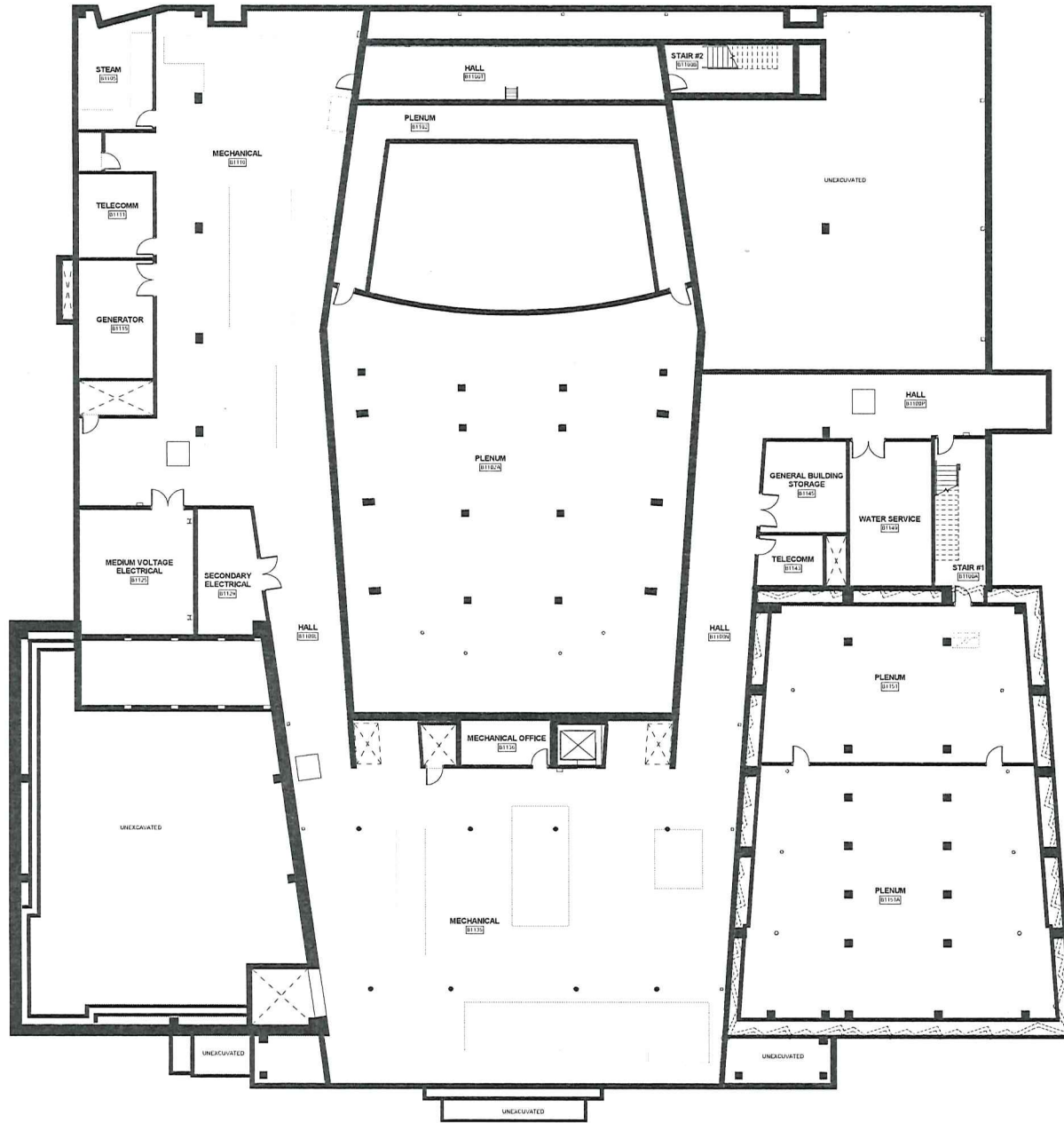
DSF Number: 10F2J

Set Type: UDC SUBMITTAL

Date Issued: 03-18-2016

Sheet Number: C203

**PRELIMINARY**  
 NOT FOR CONSTRUCTION



LOWER LEVEL FLOOR PLAN  
SCALE: 1/8" = 1'-0"



**HOLEMAN MOSS BOTTING ARCHITECT**  
1000 UNIVERSITY AVENUE  
MADISON, WISCONSIN 53706  
TEL: 608-263-1100  
WWW.HOLEMANMOSSBOTTING.COM

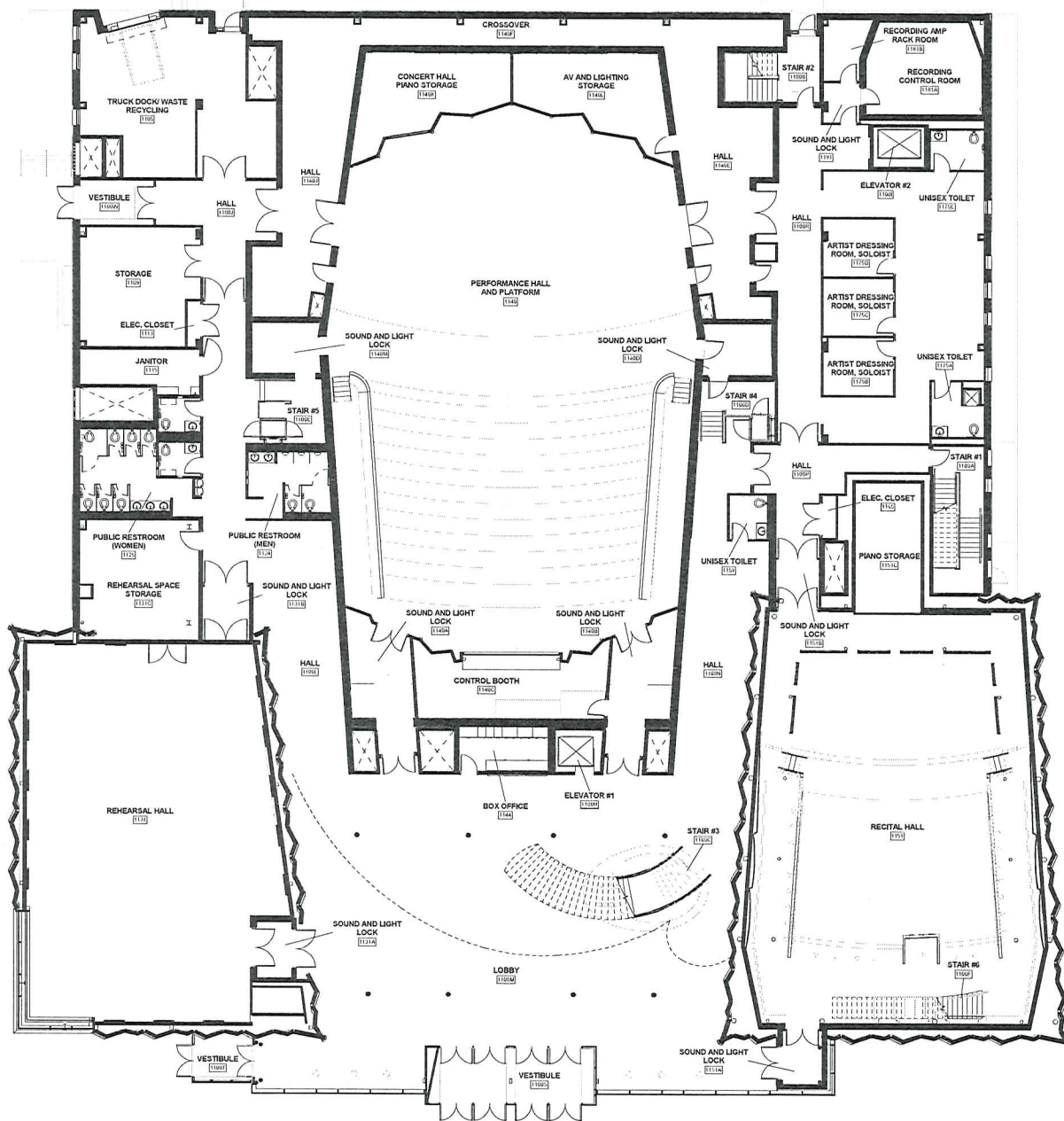
Consultant:

State of Wisconsin  
Department of Administration  
Division of Facilities Development (DFD)  
Project Address:  
100 UNIVERSITY AVENUE  
MADISON, WISCONSIN 53706

Project Title:  
MUSIC PERFORMANCE BUILDING  
Agency / Institution:  
UNIVERSITY ADMINISTRATION  
UNIVERSITY OF WISCONSIN - MADISON  
Sheet Title:  
LOWER LEVEL PLAN

Revisions		
No.	Date	Description

Graphic Scale	
DFD Number	10F2J
Set Type	PR
Date Issued	04-01-2016
Sheet Number	A200.

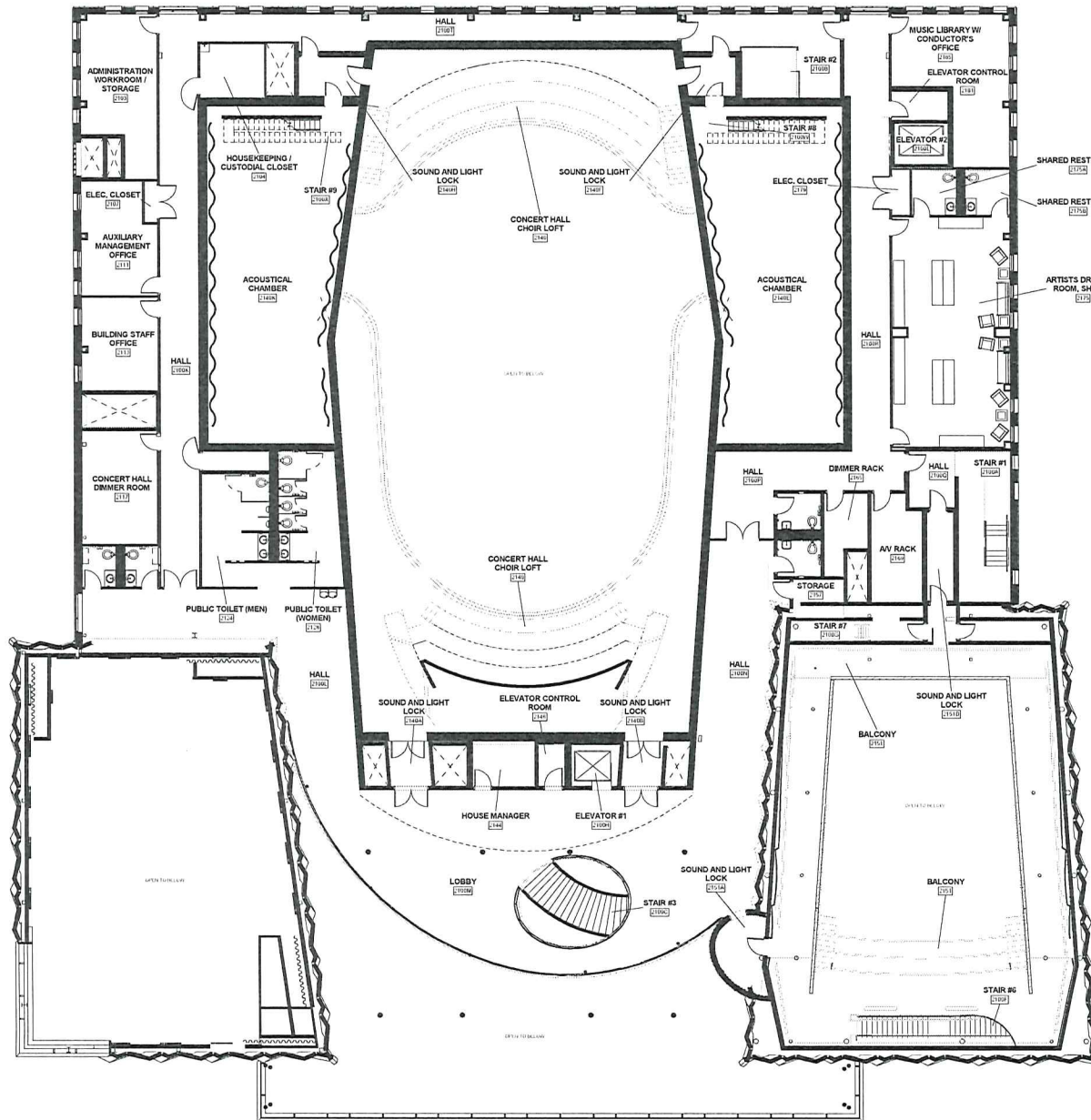



**FIRST FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

Revisions		
No.	Date	Description

Graphic Scale	
DFD Number	10F2J
Set Type	FR
Date Issued	04-01-2016
Sheet Number	A201.





1 SECOND FLOOR PLAN  
SCALE: 1/8" = 1'-0"



**STRANG**  
ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN

**HOLMAN MOSS BOTTING ARCHITECT**

Consultant:

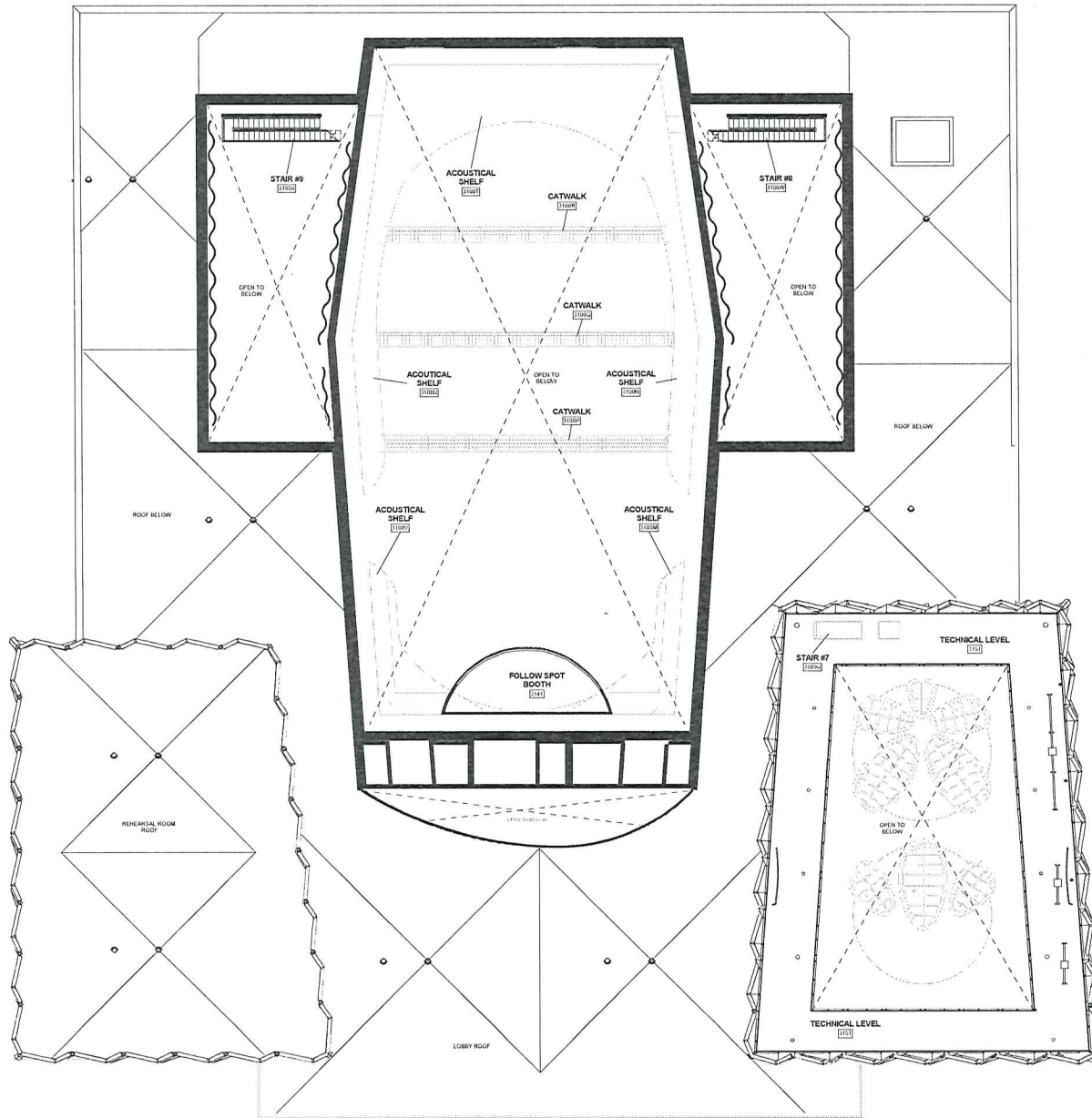
State of Wisconsin  
Department of Administration  
Division of Facilities Development (DFD)

Project Name:  
MUSIC PERFORMANCE BUILDING  
Agency / Institution:  
UNIVERSITY ADMINISTRATION  
UNIVERSITY OF WISCONSIN - MADISON  
Sheet Title:  
SECOND FLOOR PLAN

Revisions

No.	Date	Description:

Graphic Scale	
DFD Number	10F2J
Set Type	FR
Date Issued	04-01-2016
Sheet Number	A202.



1 TECHNICAL & ACOUSTICAL SHELF FLOOR PLAN  
SCALE: 1/8" = 1'-0"



HOLEMAN MOSS BOTTING  
ARCHITECTS

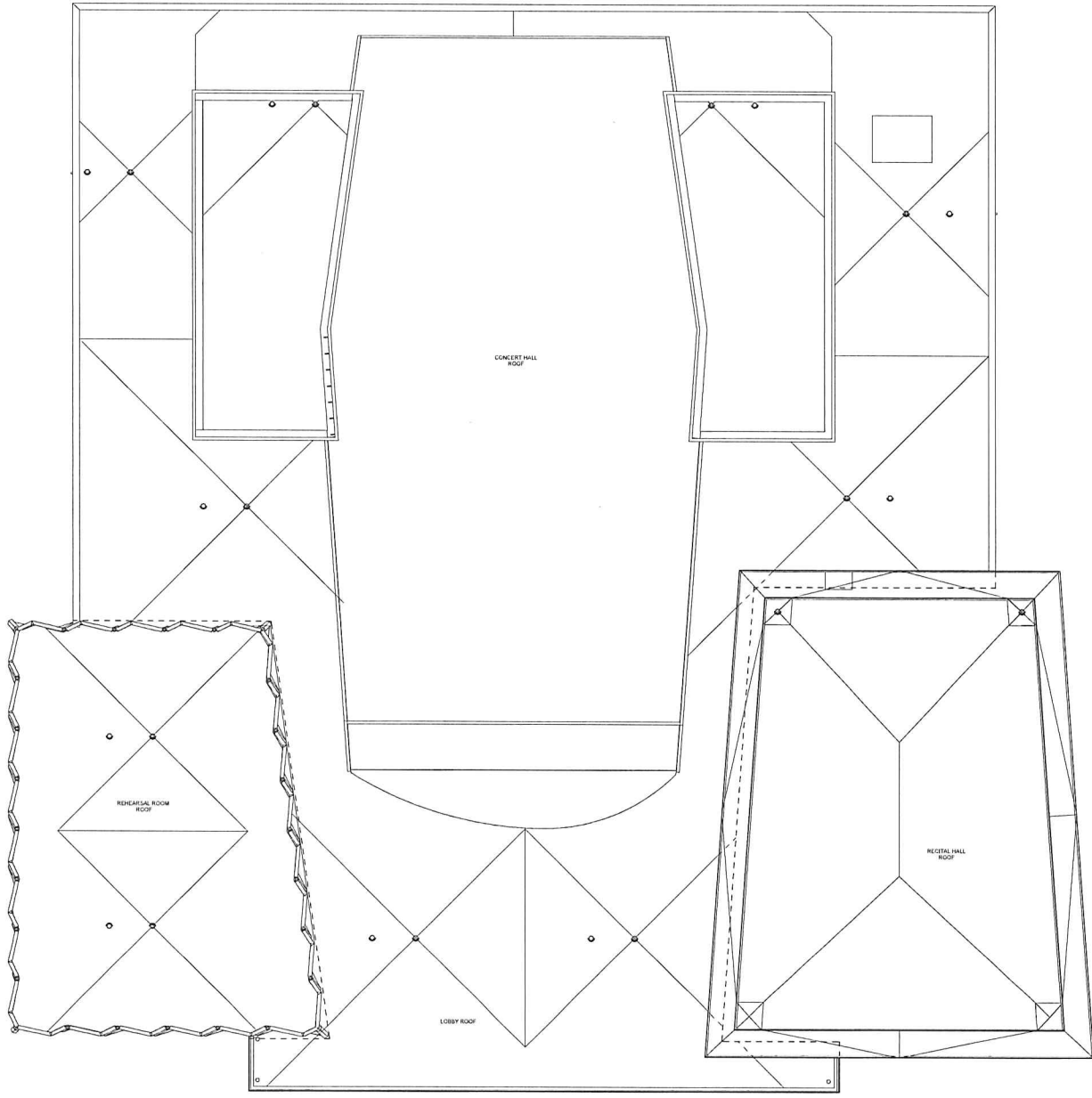
Consultant:

State of Wisconsin  
Department of Administration  
Division of Facilities Development (DFD)  
Project Address:  
740 UNIVERSITY AVENUE  
MADISON, WISCONSIN 53706

Project Name:  
MUSIC PERFORMANCE BUILDING  
Agency / Institution:  
UW SYSTEM ADMINISTRATION  
UNIVERSITY OF WISCONSIN - MADISON  
Sheet Title:  
TECHNICAL AND ACOUSTICAL SHELF PLAN

Revisions		
No.	Date	Description

Graphic Scale	
DFD Number	10F2J
Set Type	FR
Date Issued	04-01-2016
Sheet Number	A203.



1 ROOF PLAN (PREZ)  
SCALE: 1/8" = 1'-0"



1017 MAIN CROSS BOTTLING  
ARCHITECTURE

Consultant:

State of Wisconsin  
Department of Administration  
Division of Facilities Development (DFD)

Project Address:  
720 UNIVERSITY AVENUE  
MADISON, WISCONSIN 53706

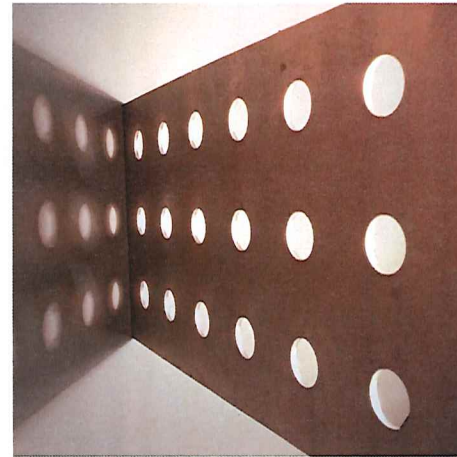
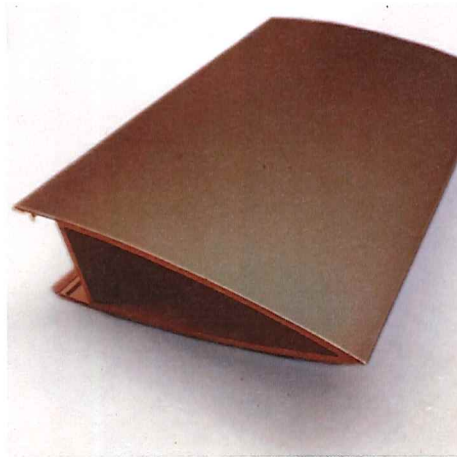
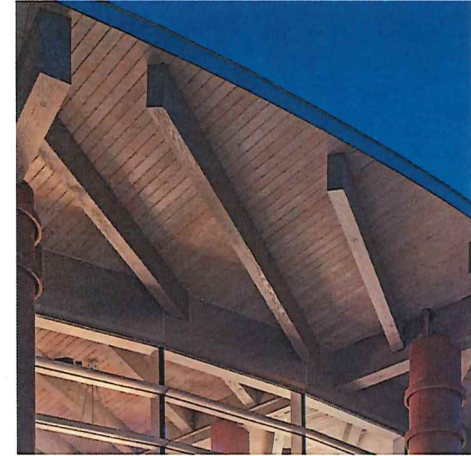
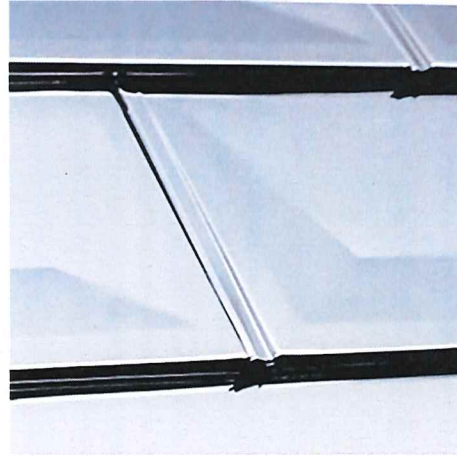
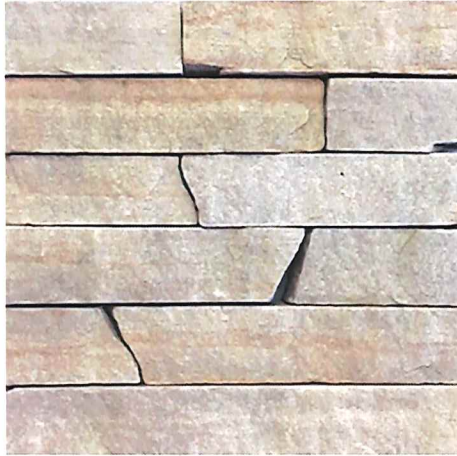
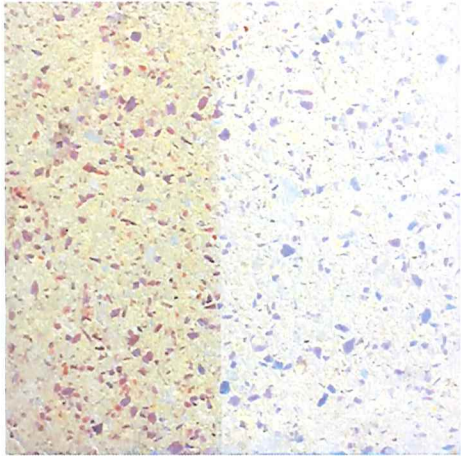
PROJECT: MUSIC PERFORMANCE BUILDING  
Agency/Institution:  
UNIVERSITY OF WISCONSIN - MADISON

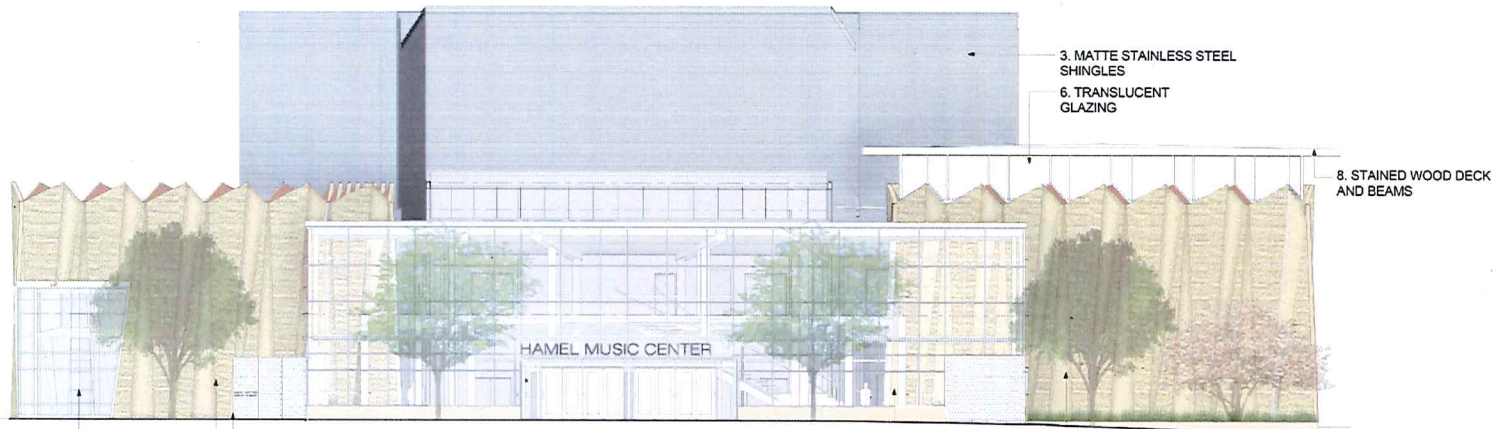
Sheet Title:  
ROOF PLAN

Revisions		
No.	Date	Description

Graphic Scale	
DFD Number	10P2J
Set Type	PR
Date Issued	04-01-2016
Sheet Number	A204.







3. MATTE STAINLESS STEEL SHINGLES  
6. TRANSLUCENT GLAZING

8. STAINED WOOD DECK AND BEAMS

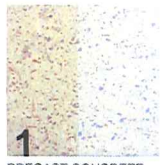
**SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"

4. TRANSPARENT GLAZING

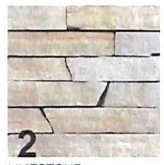
7. PERFORATED MEDIUM-BRONZE ANODIZED ALUMINUM

5. MEDIUM BRONZE

1. PRECAST CONCRETE



1. PRECAST CONCRETE



2. LIMESTONE



3. MATTE STAINLESS STEEL SHINGLES



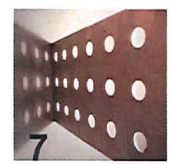
4. TRANSPARENT GLAZING



5. MEDIUM-BRONZE ANODIZED ALUMINUM CURTAIN WALL



6. TRANSLUCENT GLAZING



7. PERFORATED MEDIUM-BRONZE ANODIZED ALUMINUM



8. STAINED WOOD DECK AND BEAMS



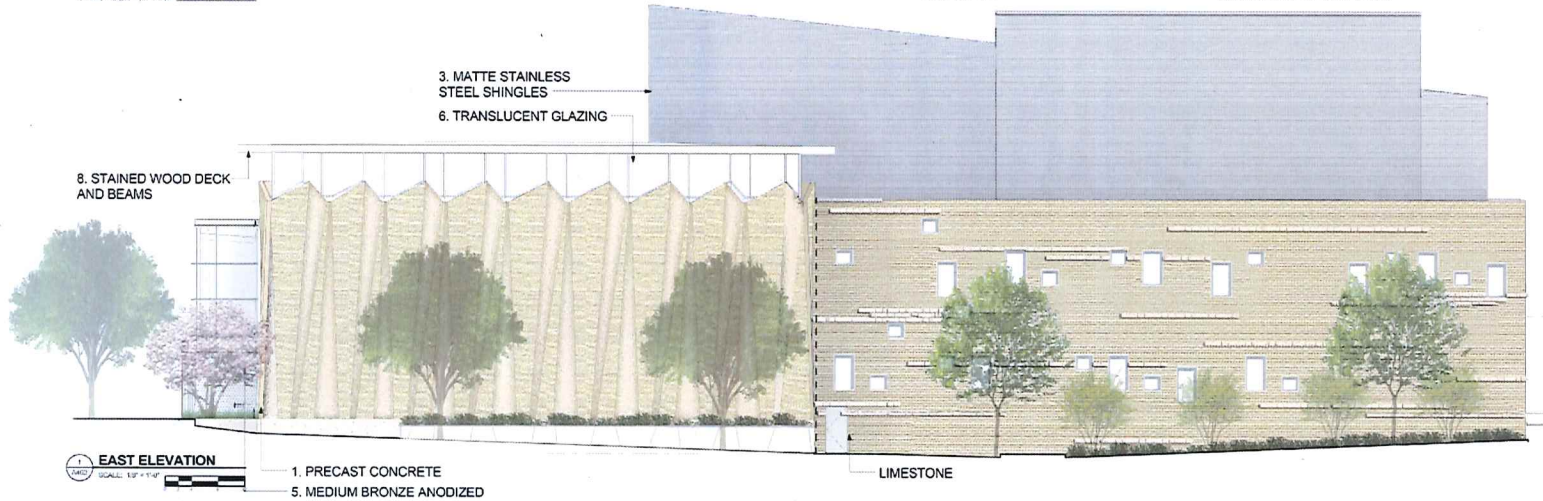
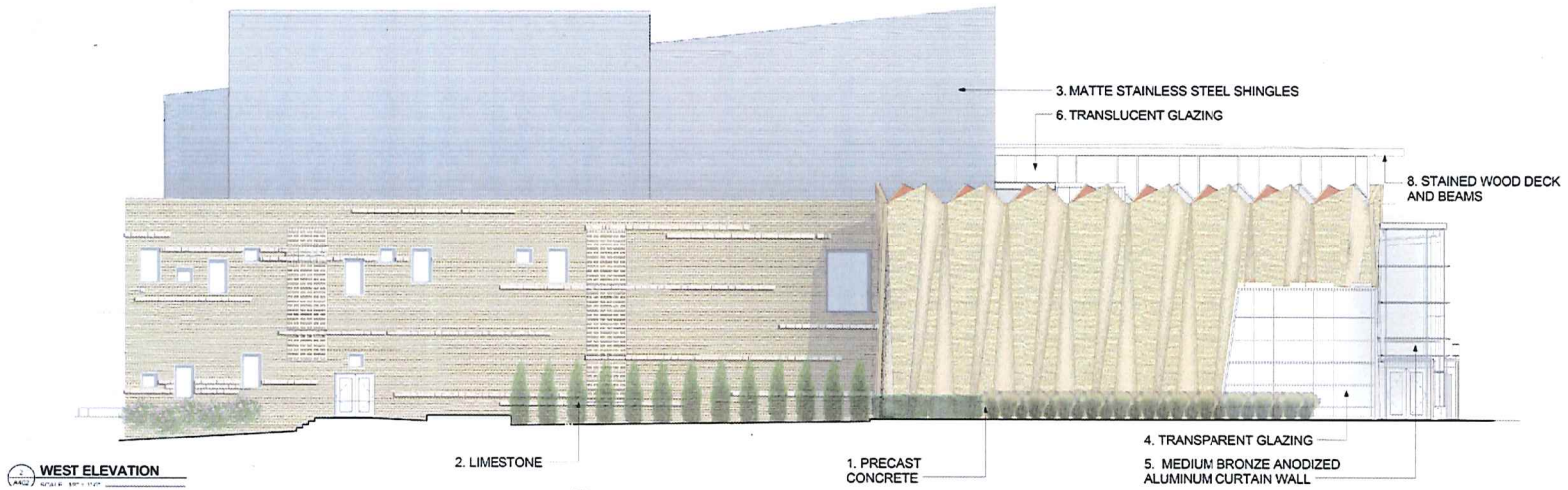
# EXTERIOR ELEVATIONS

MUSIC PERFORMANCE BUILDING AT THE UNIVERSITY OF WISCONSIN-MADISON

HOLZMAN MOSS BOTTINO ARCHITECTURE

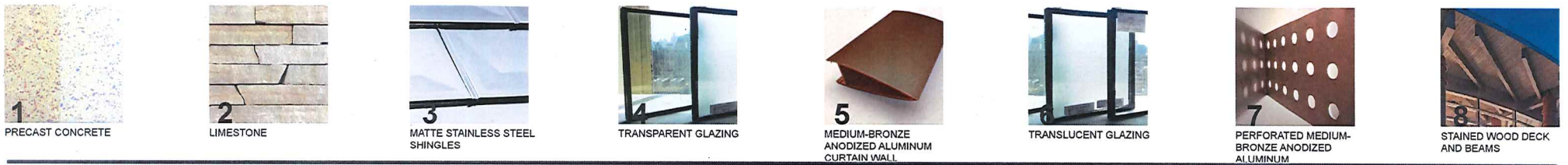
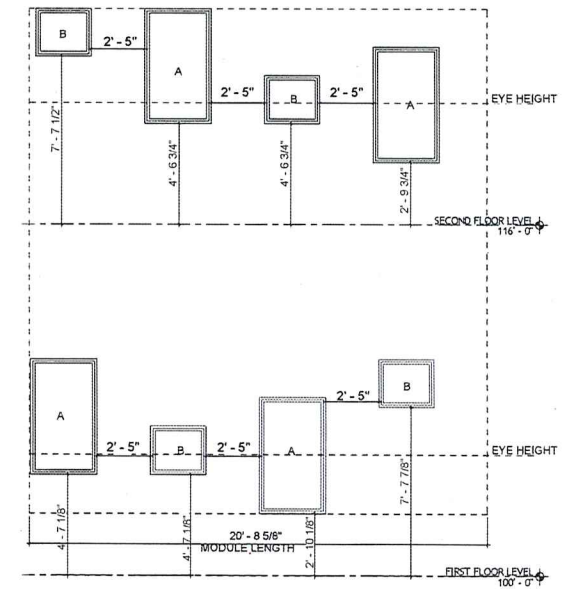
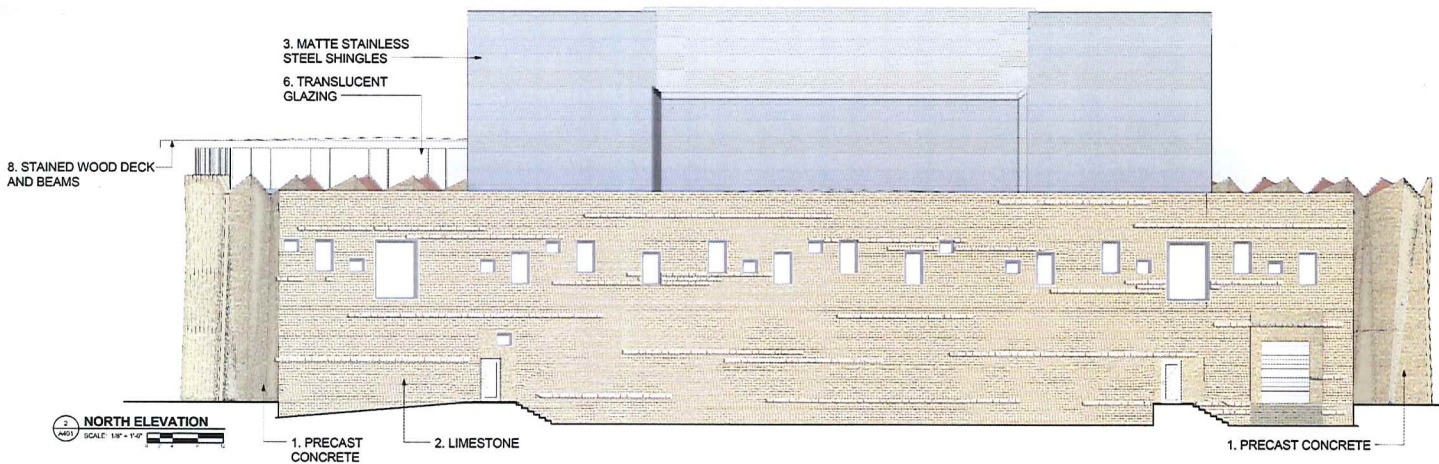
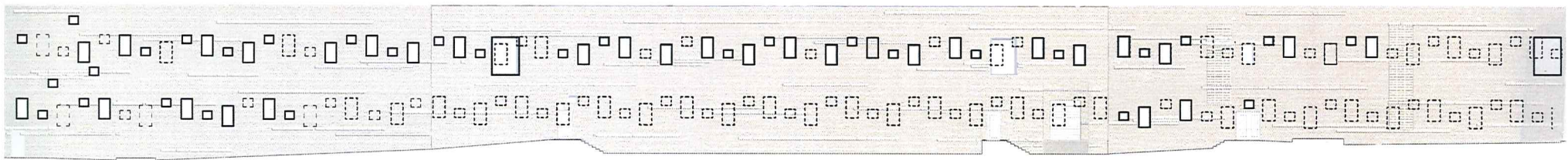






 **EXTERIOR ELEVATIONS**  
MUSIC PERFORMANCE BUILDING AT THE UNIVERSITY OF WISCONSIN-MADISON





**EXTERIOR ELEVATIONS**  
MUSIC PERFORMANCE BUILDING AT THE UNIVERSITY OF WISCONSIN-MADISON





## **BUILDING EXTERIOR**

MUSIC PERFORMANCE BUILDING AT THE UNIVERSITY OF WISCONSIN-MADISON

HOLZMAN MOSS BOTTINO  
ARCHITECTURE







## **BUILDING EXTERIOR**

MUSIC PERFORMANCE BUILDING AT THE UNIVERSITY OF WISCONSIN-MADISON

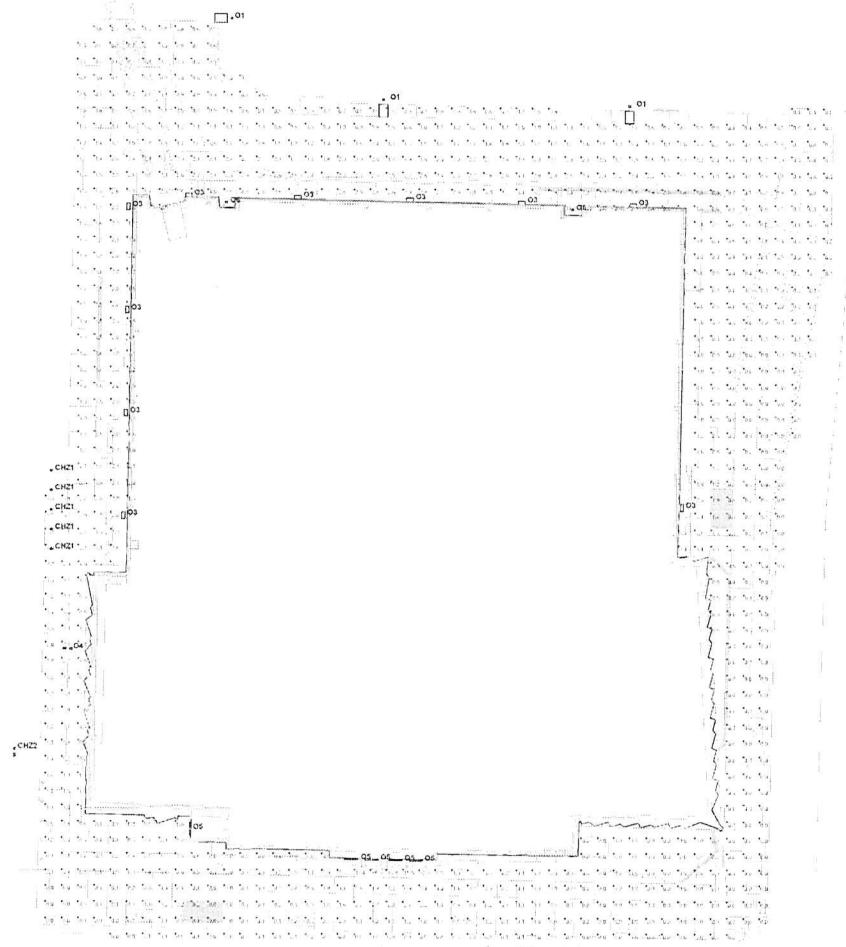
**HOLZMAN MOSS BOTTINO  
ARCHITECTURE**







LUMINAIRE SCHEDULE							
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens, L.F., Watts
□	O1	3	ARUP35-RE3IK	ARCHITYPE LED RECESSED CAST ALUMINUM HOUSING ANGLE-ADJUSTABLE WITH RECESSED	40 BIDDIES, 3000K, 47W	ARUP35-RE3IK	Absolite 0.80 51
□	O3	10	111L3-2BLA4W	111 LED WALL SCENE	111 LIGHT ARRAY OF 14 LEDs DRIVEN AT 250ma	111L3-2BLA-4W	Absolite 0.80 18
□	O4	1	10.1920B	LINEA 4000 LED 24W	2700lm, 47 W	LINEA1920B	2700 0.80 47
□	CH2	1	EXISTING CHAZENLINEA 4000 LED 24W	FEATURE	2700lm, 47 W	LINEA1920B	2700 0.80 47
○	D6	2	EVO 3519 4x4 4" LED DOWNLIGHT	3500K, 1000 LUMENS, MEDIUM DISTRIBUTION WITH SPECULAR REFLECTOR	LED	EVO_35_19_4	Absolite 0.80 19.4
□	O5	5	VALUED-4000-4000-3000-4000	VALUED-4000-4000-3000-4000	LED 3.2W Dotted Array Gen 3 LED Module (2000lm)	VALUED-4000-4000-3000-4000	1150 0.85 45.9
○	CH2	5	APPROXIMATION OF FINCH DOWNLIGHT	3500K, 1000 LUMENS, MEDIUM DISTRIBUTION WITH SPECULAR REFLECTOR	LED	EVO_35_19_4	Absolite 0.80 19.4



Plan View  
Scale 1" = 10'

UNIVERSITY OF WISCONSIN - SCHOOL OF MUSIC  
EXTERIOR LIGHTING CALCULATIONS  
DFD# 10F2J

Designer  
MAL  
Date  
Mar 9 2016  
Scale  
Drawing No.



**KIM LIGHTING**

**AR**

The Archetype® Large PicoPrism™ LED

8/18/14 • kl\_arpled\_spec.pdf

**Type:**  
**Job:**  
**Catalog number:**

**Approvals:**

/	/	/	/	/	
Mtg.	Fixture	Electrical Module	Finish	Options	Optional
See page 2				See pages 3-4	
					Vertical Slipfitter Mount See page 4

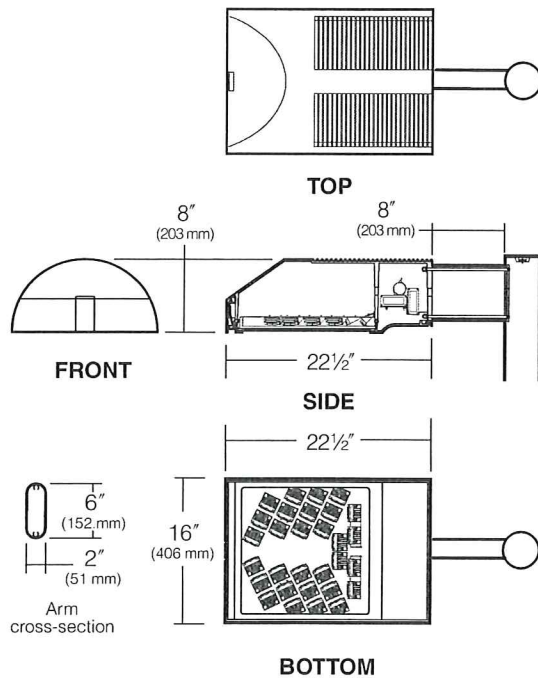
**Date:**  
**Page: 1 of 6**

Select pole from Kim Arms and Poles Selection Guide. If pole is provided by others indicate O.D. for arm fitting.

## Specifications

### AR-LED

80 Light Emitting Diodes  
95 System Watts for 350mA  
188 System Watts for 700mA  
Maximum Weight is 50 lbs.



IP66 constructed sealed PicoPrism™ optical modules do not require a glass lens and offer improved optical performance. Contact factory if glass lens is required.

**Housing:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling ribs over the optical chamber and electrical compartment. Solid barrier wall separates optical and electrical compartments. Double-thick wall with gussets on the support-arm mounting end. Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail. All hardware is stainless steel or electro-zinc plated steel.

**Frame:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy lens frame with 1" minimum depth around the gasket flange. Integral hinges with stainless steel pins provide no-tool mounting and removal from housing. Single die-cast aluminum cam-latch provides positive locking by a one-piece extruded and vulcanized silicone gasket.

**Electronic Module:** All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, thermal control device and surge protector. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the frame only. Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options.

**Optical Module:** Precision, IP66 replaceable PicoPrism™ modules are positioned to achieve directional control toward desired task. The entire light engine fastens to the housing as a one-piece module

**Dimming:** Driver has a 0-10V dimming interface with a dimming range of 10-100%. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. Note: Not compatible with current sourcing dimmers.

**Support Arm:** One-piece extruded aluminum with internal bolt guides and fully radiussed top and bottom. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. Arm is circular cut for specified round pole.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, (DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (Include RAL#).

**Listed to:** UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2#250.0 Luminaires. RoHS compliant. Meets Buy American provisions within ARRA.

**Warranty:** Kim Lighting warrants The Archetype LED products ("Product(s)") sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of ten (10) years for exterior housing paint finish(s), (iii) a period of six (6) years for LED Light Engines (PicoPrisms™ and, (iv) a period of five (5) years for LED power components (LED Driver, LifeShield® device), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product. Occupancy sensors, Surge Protector, dimmers and relay wiring components are covered by the manufacturer's warranty.

**CAUTION:** Fixtures must be grounded in accordance with national, state and/or local electrical codes, Failure to do so may result in serious personal injury.



US Patent Number D674,965 S.








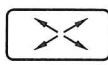






KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

Type:

Job:



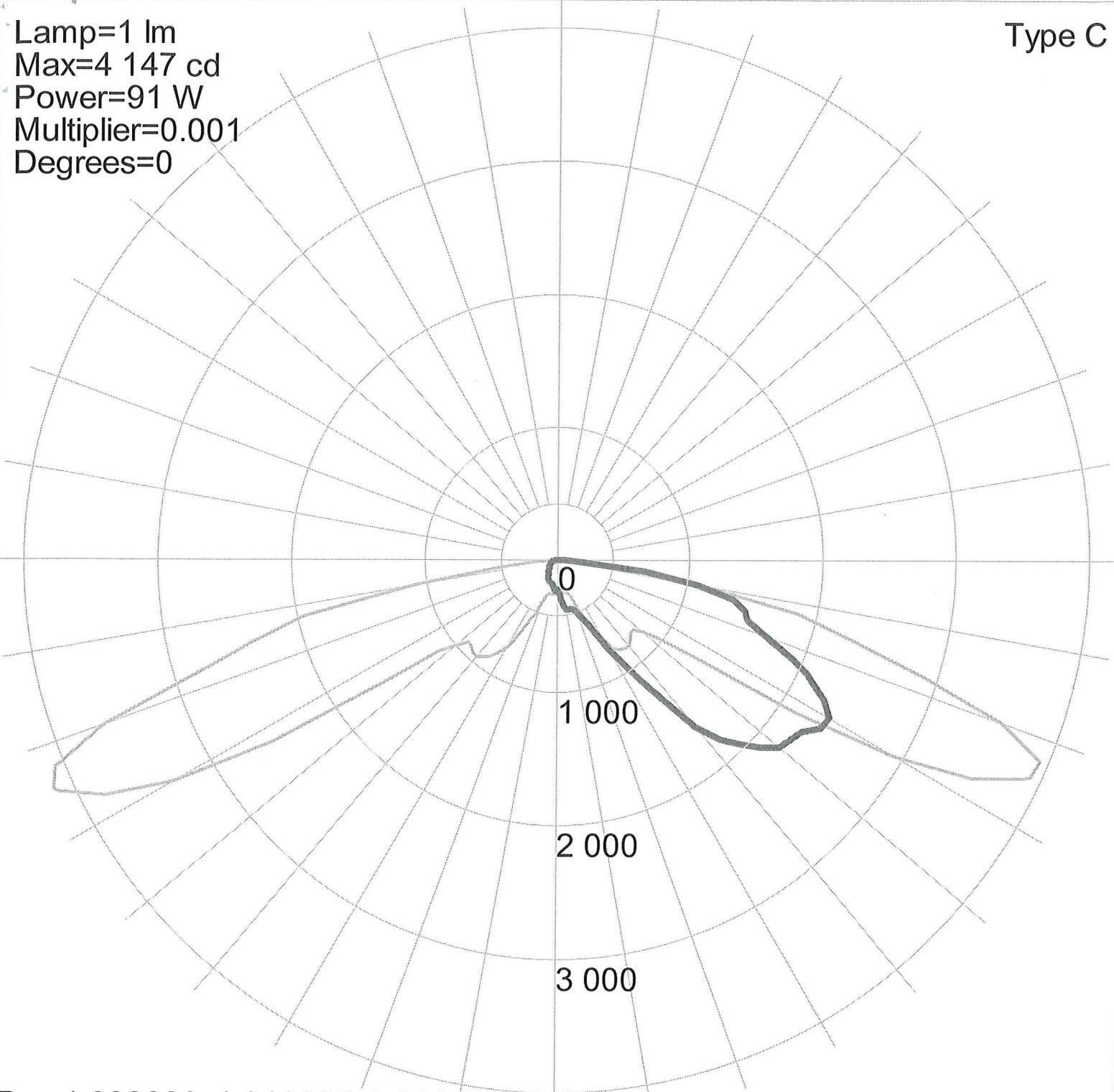
## Standard Features

<p><b>Mounting</b>          3Y configuration is available for round poles only.</p>	<p>Plan View:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">             EPA: 1.2            Cat. No.: <input type="checkbox"/> <b>1A</b> </div> <div style="text-align: center;">             EPA: 2.4            Cat. No.: <input type="checkbox"/> <b>2B</b> </div> <div style="text-align: center;">             EPA: 2.0            Cat. No.: <input type="checkbox"/> <b>2L</b> </div> <div style="text-align: center;">             EPA: 3.2            Cat. No.: <input type="checkbox"/> <b>3T</b> </div> <div style="text-align: center;">             EPA: 3.2            Cat. No.: <input type="checkbox"/> <b>3Y</b> </div> <div style="text-align: center;">             EPA: 3.9            Cat. No.: <input type="checkbox"/> <b>4C</b> </div> <div style="text-align: center;">             EPA: n/a            Cat. No.: <input type="checkbox"/> <b>1W</b> </div> </div>
<p><b>Fixture</b>          Cat. No. designates fixture and optic</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 15%;"> <p>AR</p> <p><b>Housing Size:</b> AR</p> </div> <div style="width: 30%;"> <p>x</p> <p><b>Distribution:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1 = Type I</li> <li><input type="checkbox"/> 2 = Type II</li> <li><input checked="" type="checkbox"/> 3 = Type III</li> <li><input type="checkbox"/> 4 = Type IV</li> <li><input type="checkbox"/> 5 = Type V</li> <li><input type="checkbox"/> L = Type L Left</li> <li><input type="checkbox"/> R = Type R Right</li> </ul> </div> <div style="width: 15%;"> <p>P</p> <p><b>Optic:</b> P = PicoPrism™</p> </div> <div style="width: 15%;"> <p>xx</p> <p><b>Current:</b> 35 = 350 mA 70 = 700 mA</p> </div> </div> <p>Light Distribution:</p> <div style="display: flex; justify-content: space-around; text-align: center;"> <div> Type I</div> <div> Type II</div> <div> Type III</div> <div> Type IV Forward Throw</div> <div> Type V Square</div> <div> Type R Right</div> <div> Type L Left</div> </div>
<p><b>Electrical Module</b></p>	<p>Cat. Nos. for Electrical Modules available:</p> <div style="display: flex; justify-content: space-around;"> <div style="width: 30%;"> <p>80L</p> <p><b>Source:</b> 80L = 80 LED's</p> <p><b>Color Temperature:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 2K = 580nm - Amber</li> <li><input checked="" type="checkbox"/> 3K = 3000K</li> <li><input type="checkbox"/> 4K = 4200K</li> <li><input type="checkbox"/> 5K = 5100K</li> </ul> </div> <div style="width: 30%;"> <p>xK</p> <p><b>Voltage:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 120 = 120V<sup>1</sup></li> <li><input type="checkbox"/> 208 = 208V<sup>1</sup></li> <li><input type="checkbox"/> 240 = 240V<sup>1</sup></li> <li><input type="checkbox"/> 277 = 277V<sup>1</sup></li> <li><input type="checkbox"/> 347 = 347V</li> <li><input type="checkbox"/> 480 = 480V</li> </ul> </div> <div style="width: 30%;"> <p>xxx</p> </div> </div> <p><sup>1</sup>120V through 277V is a variable driver.</p>
<p><b>Finish</b>          TGIC powder coat</p>	<p>Color:    Black    Dark Bronze    Light Gray    Stealth Gray    Platinum Silver    White    Custom Color<sup>2</sup></p> <p>Cat. No.: <input type="checkbox"/> <b>BL</b>    <input type="checkbox"/> <b>DB</b>    <input type="checkbox"/> <b>LG</b>    <input type="checkbox"/> <b>SG</b>    <input type="checkbox"/> <b>PS</b>    <input type="checkbox"/> <b>WH</b>    <input type="checkbox"/> <b>CC</b></p> <p><sup>2</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>



Lamp=1 lm  
Max=4 147 cd  
Power=91 W  
Multiplier=0.001  
Degrees=0

Type C



Box 1.333333x1.916667x0.666667 feet 4 000

Manufacturer: KIM LIGHTING  
Luminaire catalog: AR3P35-80L3K  
Luminaire: ARCHETYPE LED PICO-PRISM  
Lamp: 80 DIODES. 3000K.

Job:  
Type:  
Notes:

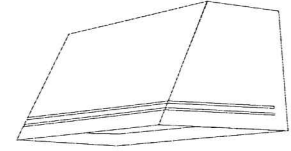
03

# 110 Line LED

## 111 Mini Sconce LED

Page 1 of 3

Philips Gardco 111 LED mini sconce luminaires are compact in size, perfect for low mounting height wall mount applications. 111 LED luminaires are designed to integrate naturally to wall surfaces. 111 LED luminaires are available with three (3) different distribution patterns, providing full cutoff performance (in the normal downlight position) and featuring LED arrays. Luminaires provide performance excellence and advanced Philips Gardco LED thermal management technology. High performance Class 1 LED systems offer potential energy savings of 50 % or more compared to HID systems. 111 LED luminaires are also available with 0-10V Dimming.



PREFIX	DISTRIBUTION	LED WATTAGE	LED SELECTION	VOLTAGE	FINISH	OPTIONS
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Enter the order code into the appropriate box above. Note: Philips Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

### PREFIX

<b>111L</b>	Trapezoidal Wedge LED - Constant Wattage / Full Light Output
<b>111L-DIM</b>	Trapezoidal Wedge LED - 0 - 10V Dimming (Control system by others.)

### DISTRIBUTION

<b>2</b>	Type II	Wide Throw Optic, featuring Maximized Lateral Throw
<b>3</b>	Type III	Preferred Wide Throw Optic, featuring Improved Forward Throw
<b>4</b>	Type IV	Maximized Forward Throw Optic

See page 3 for more detailed luminaire configuration information.

### LED WATTAGE AND LUMEN VALUES

Ordering Code	Average System Watts <sup>1</sup>	LED Current (mA)	LED Selection	Luminaire Initial Absolute Lumens <sup>2</sup>			Basis of Lumen Data  Photometric tests performed in compliance with IESNA LM-79.
				TYPE 2	TYPE 3	TYPE 4	
<b>20LA</b>	18	350	NW	1,683	1,791	1,701	
<b>30LA</b>	28	530	NW	2,432	2,613	2,467	
<b>40LA</b>	38	700	NW	3,122	3,354	3,118	

1. Wattage may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.
2. Tests are in process for luminaires with the DL option. Contact Gardco.applications@philips.com if any approximate estimates are required for design purposes.

### LED SELECTION

<b>CW</b>	Cool White - 5700°K - 75 CRI
<b>NW</b>	Neutral White - 4000°K - 70 CRI
<b>WW</b>	Warm White - 3000°K - 70 CRI

### VOLTAGE

<b>UNIV</b>	120V through 277V, 50hz or 60hz
<b>120</b>	
<b>208</b>	
<b>240</b>	
<b>277</b>	



# 110 Line LED

## 111 Mini Sconce LED

Page 2 of 3

### FINISH

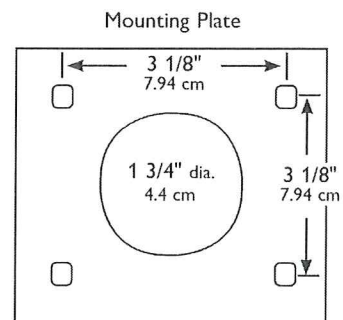
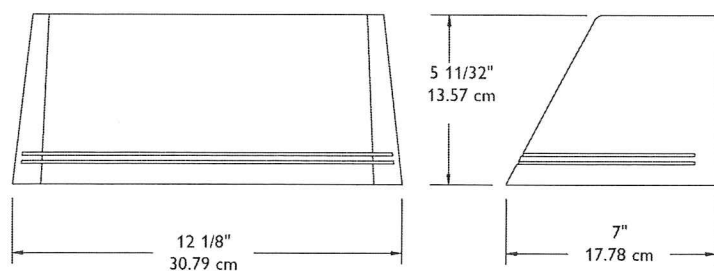
<b>BRP</b>	Bronze Paint
<b>BLP</b>	Black Paint
<b>WP</b>	White Paint
<b>NP</b>	Natural Aluminum Paint
<b>BGP</b>	Beige Paint
<b>OC</b>	Optional Color Paint Specify Optional Color or RAL ex: OC-LGP or OC-RAL7024.
<b>SC</b>	Special Paint Specify. Must supply color chip.

### OPTIONS

<b>F<sup>3</sup></b>	Fusing
<b>PCB<sup>3</sup></b>	Button Type Photocontrol
<b>DL</b>	Diffusing Lens ( <i>reduces performance significantly</i> )
<b>WS<sup>4</sup></b>	Wall Mounted Box for Surface Conduit

3. Provide specific input voltage.  
4. Rear entry permitted.

### DIMENSIONS



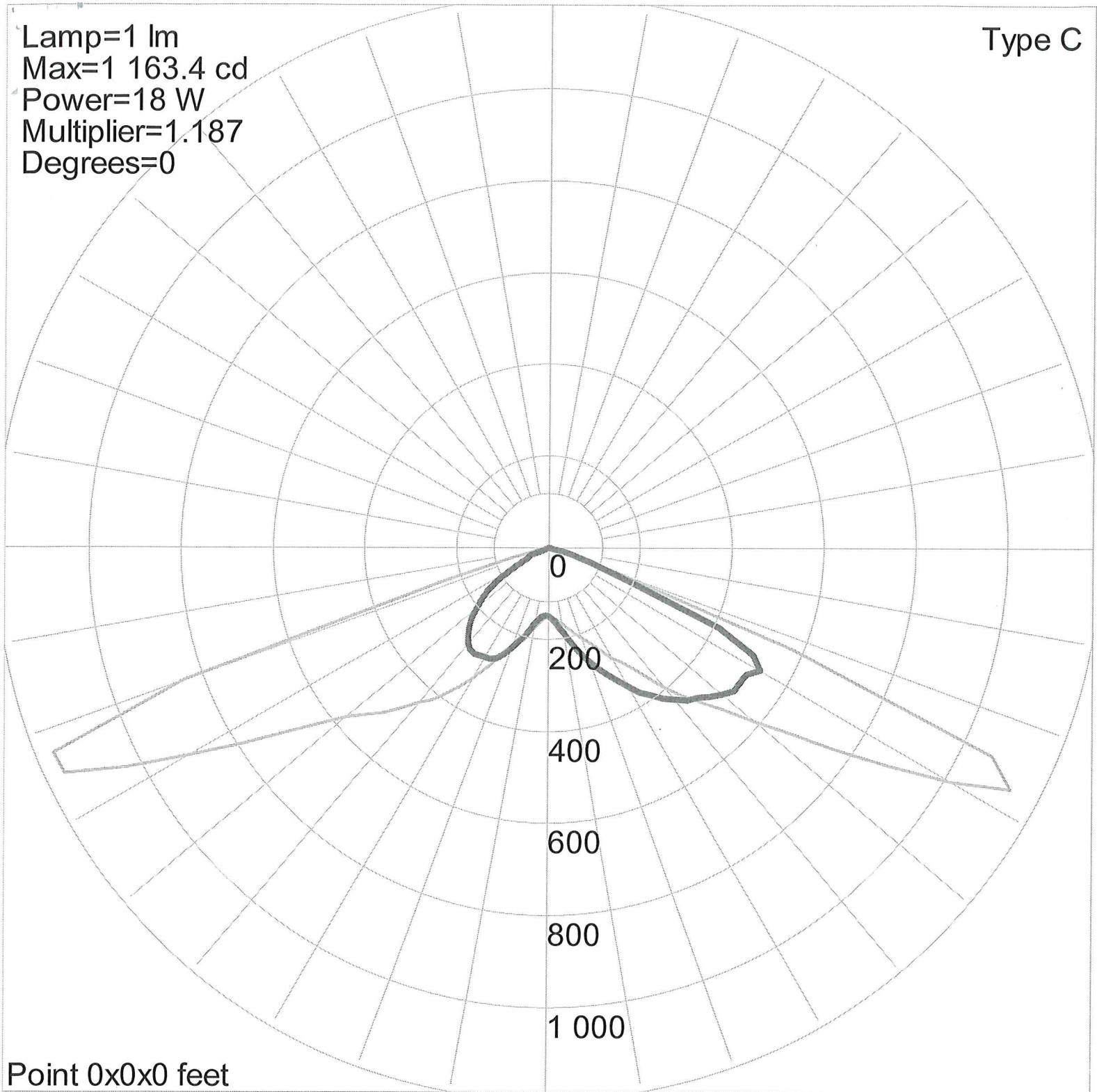
Mounting Bolt Pattern

Note: Mounting plate center is located in the center of the luminaire width and 2.38" (6.03cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 5/16" (.79cm) diameter bolts (by others) structurally to the wall.



Type C

Lamp=1 lm  
Max=1 163.4 cd  
Power=18 W  
Multiplier=1.187  
Degrees=0

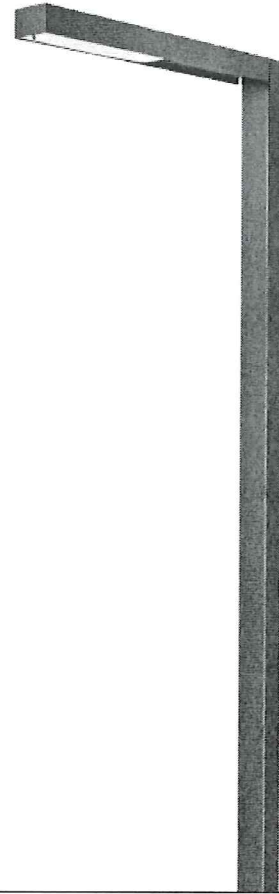


Point 0x0x0 feet

Manufacturer: PHILIPS GARDCO  
Luminaire catalog: 111L-3-20LA-NW  
Luminaire: 111 LED WALL SCONCE  
Lamp: (1) LIGHT ARRAY OF 16 LEDs DRIVEN AT 350mA

## LINEA 450 LED Specification

The LINEA series features distinctly linear design qualities and exceptional versatility. Perceptively capturing today's minimal design philosophy, the reduced form is sure to retain its validity far into the future. It is available in three mounting heights in single or twin mounting configurations. The pedestrian-scale model is 15 feet, with intermediate and larger sizes at 20 and 26 feet, respectively, giving proper scale for a variety of applications. Units for bi-level mounting are available, where the street-side luminaire is mounted high and a second fixture is mounted on the sidewalk side at a lower height for pedestrian illumination. An LED illuminating bollard for low-level pathway illumination complements the family of products. CSA Listed for Wet Locations



Model	LED Module	Color Temperature	Distribution	Volt	Mounting Pole	Pole Mat	Finish	Option
LN450	2LV - 2 LEVO Modules	WW - 3000K	ME - Type III	UNV - 120-277V	A - Single Mount 15SR - 15' Straight Rectangular	A - AlumGrey	SG - Silver	DIM - 0-10VDC Dimming
		NW - 4000K	S - Type II		B - Twin Mount X - Other (specify)	S - Steel	GG - Graphite Grey	N - None
		CW - 5600K					CC - Custom Color	

### Ordering Information

LN450 2LV

UNV

Specifications are subject to change without notification

HessAmerica > Products > Lighting Products > Pole Mounted Luminaire > LINEA  
[http://www.hessamerica.com/Products/Lighting/Pole\\_Mounted\\_Luminaire/LINEA/](http://www.hessamerica.com/Products/Lighting/Pole_Mounted_Luminaire/LINEA/)

## LINEA 450 LED

### Specification

#### HOUSING

Rectangular luminaire housing with integral fitter is extruded aluminum with no visible welds. Frameless tempered glass lens with decorative masking is hinged and secured in place with a single stainless steel quarter-turn fastener for tool-less access to the optical compartment. Lens seals to the housing with one-piece silicone gasketing when closed. Housing is fitted with stainless steel weather-tight strain relief bushing for the power cable exiting the rear of the housing. Luminaire mounts to tenon on pole and secured with four socket head cap screws on top of the housing. Luminaire is available in single or twin back-to-back mounting configurations. All hardware is stainless steel.

#### OPTICS

Optics include 2 individual LED modules. Each module consists of a field replaceable aluminum core PCB with fourteen high-power LEDs and a single piece prismatic lens molded from optical quality acrylic. The prismatic lens redirects light output from the individual LEDs and is available in two distributions as a Type II (S optics) or Type III distribution (ME optics). Luminaire emits zero uplight at 90 degrees horizontal and above and is suitable for use in all LEED lighting zones.

#### BUG RATING

Type II: B1-U0-G1

Type III: B1-U0-G1

#### ELECTRICAL

Electronic LED driver supplies 500mA drive current to LED modules with input voltage range from 120V to 277V at 50/60Hz. Power consumption is 46 watts.

#### LED DELIVERED LUMEN OUTPUT

3000K - Type II = 2777 lumens / Type III = 2769 lumens

4000K - Type II = 3167 lumens / Type III = 3157 lumens

5600K - Type II = 3374 lumens / Type III = 3364 lumens

NOTE : Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of HessAmerica. Consult factory for current technical data.

#### POLE

##### Aluminum:

Straight rectangular pole is 6.3" x 3.9" nominal and manufactured from seamless 6061 aluminum tubing and heat treated to produce a T6 temper. Nominal wall thickness is 0.236". Sides of the shaft are flat with 1/8" radiussed corners. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Two piece base cover is fabricated aluminum. Nominal pole height is 15'.

##### Steel:

Straight rectangular pole is 6.3" x 3.5" nominal and manufactured from cold drawn over mandrel, electric weld, mechanical steel tubing with nominal wall thickness of 0.197". Sides of shaft are flat with 1/2" radiussed corners. Pole shall show no seam along the shaft. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Pole is hot-dip galvanized with coating inside and out, then lightly sanded prior to painting. Two piece base cover is fabricated aluminum. Nominal pole height is 15'.

#### FINISH

Standard finish is finely textured matte silver grey metallic or graphite grey. Special colors available on request.

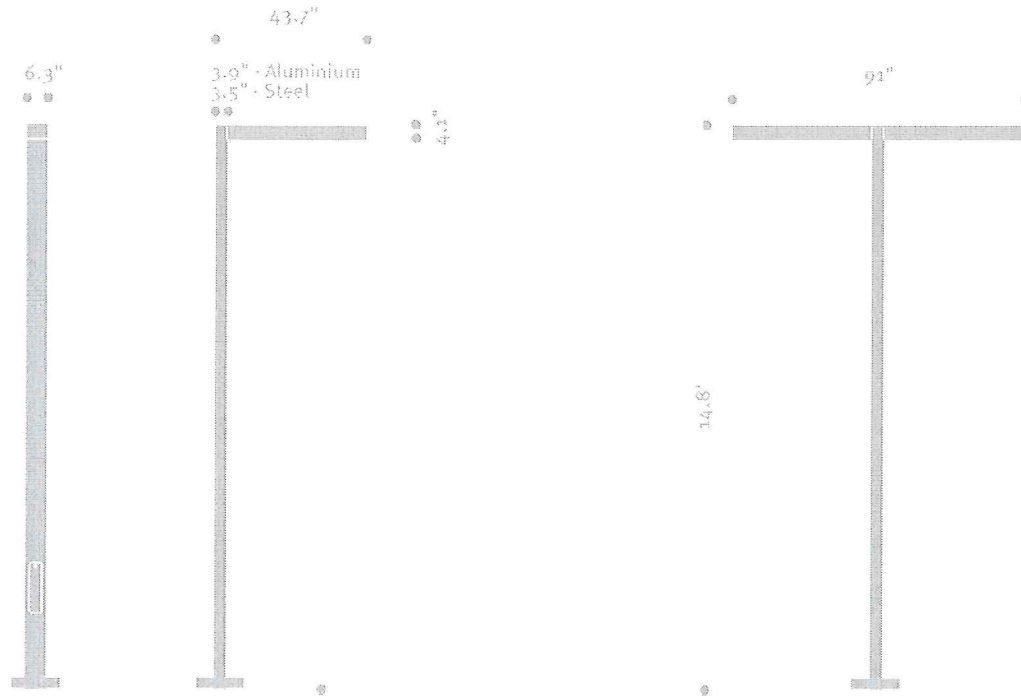
#### WARRANTY

Specifications are subject to change without notification

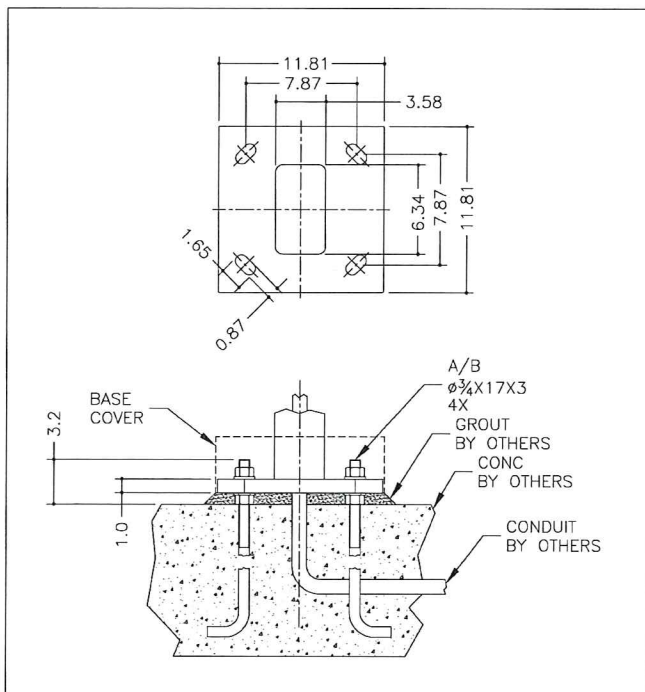


## Additional information

### Dimensions



### Mounting Detail

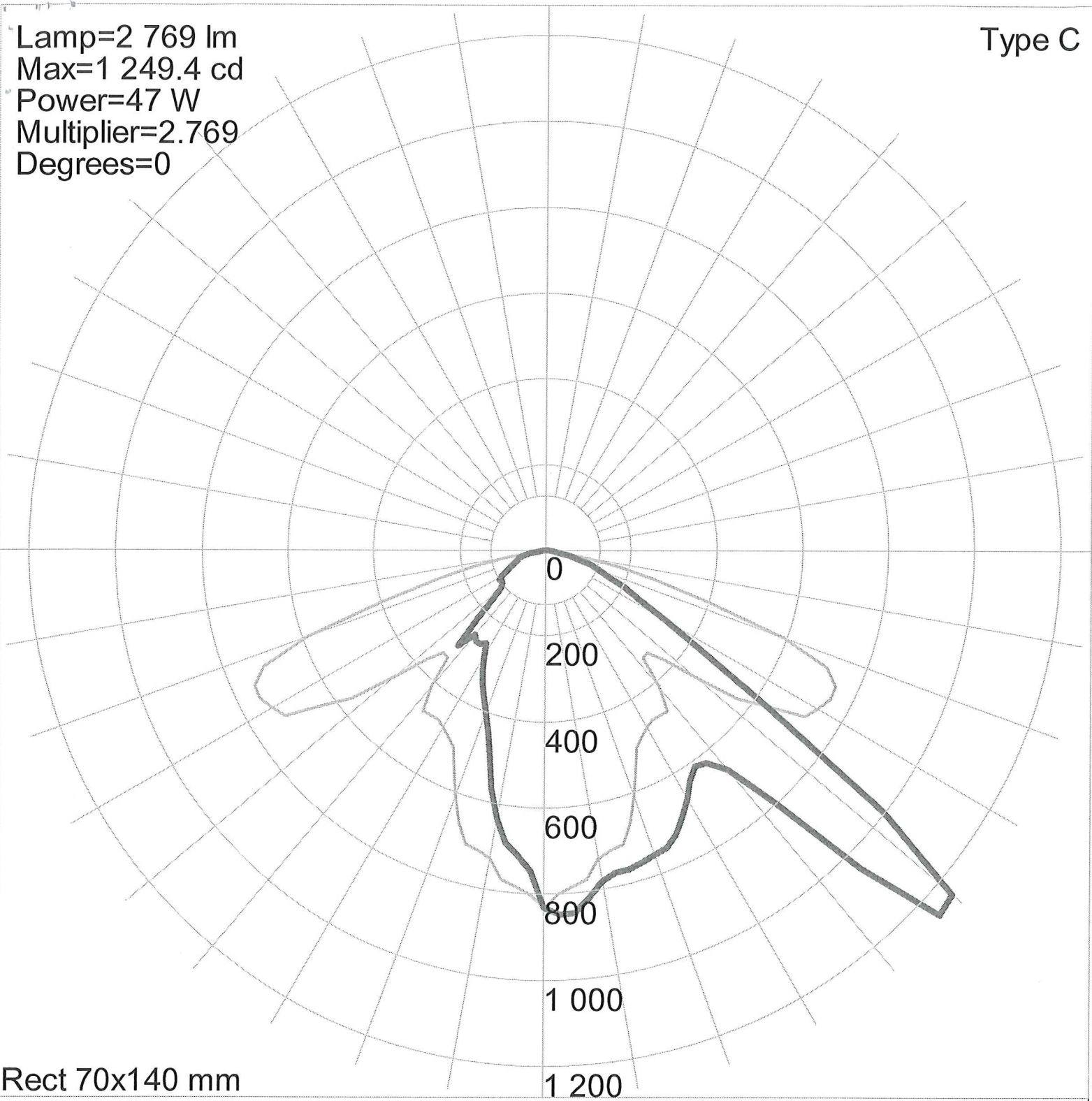


Specifications are subject to change without notification

HessAmerica > Products > Lighting Products > Pole Mounted Luminaire > LINEA  
[http://www.hessamerica.com/Products/Lighting/Pole\\_Mounted\\_Luminaire/LINEA/](http://www.hessamerica.com/Products/Lighting/Pole_Mounted_Luminaire/LINEA/)

Type C

Lamp=2 769 lm  
Max=1 249.4 cd  
Power=47 W  
Multiplier=2.769  
Degrees=0



Rect 70x140 mm

Manufacturer: HESS AG Form + Licht

Luminaire catalog: 10.10200.0

Luminaire: LINEA 4500 LED, 2xLevo-M V3.1

Lamp catalog: LED (HP) 2xLevo 3000K Q5 500mA 23W 5192D

Lamp: 2769 lm, 47 W



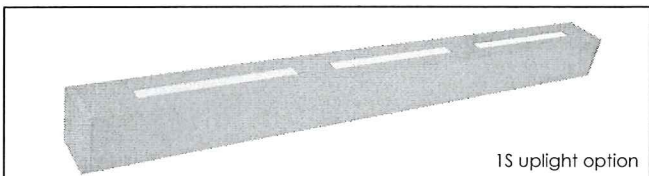
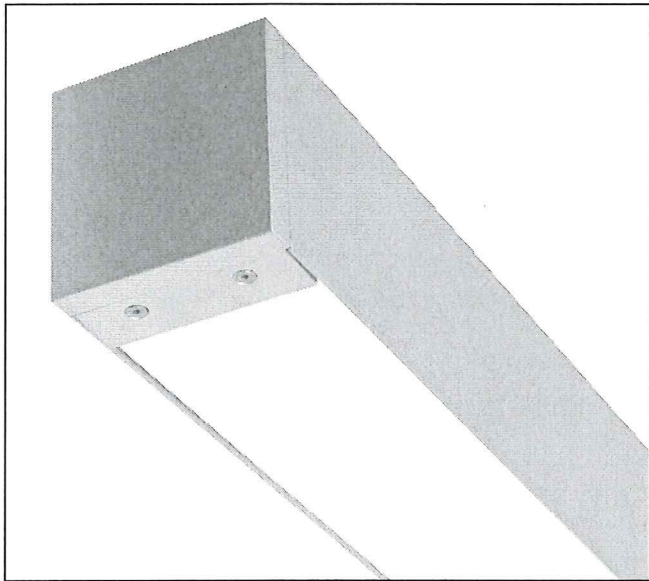
**BIRCHWOOD**  
lighting

www.birchwoodlighting.com

## VANESSA LED

Wet Location Luminaire  
Distributed Array LED

Ceiling Mount | Wall Mount | CSS



TS uplight option

VANESSA combines high-end architectural styling with precision engineering to create a strong, elegant wet-location luminaire designed to complement wet exterior or interior installations.

Weather-sealing prevents water and moisture from entering the lens, power entry points and end-caps. Constructed of heavy gauge extruded aluminum, precision machined smooth end-caps and extruded acrylic lenses, VANESSA is built to last while withstanding elements associated with wet-location applications.

VANESSA is available as LED and single or double T5 or T8, or single T5HO linear fluorescent lamps. 2', 3', 4', 6' and 8' nominal lengths are standard. Optional slot uplight, custom lengths and continuous runs are available.



UL and c-UL listed for wet locations.



Made in the USA

### FIXTURE SPECIFICATIONS

#### Construction

Heavy gauge square extruded aluminum housing. Precision-machined aluminum end-caps. Extruded acrylic lenses. Stainless steel hardware. Concealed weather-seal gaskets at end caps, lens and power entry on all stand-alone or continuous run fixtures with an IP65 rating. Feed points accept 1/2" trade size threaded wet location conduit fittings.

#### Mounting Options

(CSS) Cable Suspension System field adjustable 1/16" aircraft cable, (WM) Wall Mount or (CM) Ceiling Mount.

#### Finishes

(SL) Silver, (MW) Matte White, or (FB) Flat Black. Other powder coat finishes available. Consult factory for details.

#### LED Light Engine System

LED Light Engines are available as HLO (High Lumen Output) and SLO (Standard Lumen Output) providing efficient illumination. CLO (Custom Lumen Output) allows for end user specified lumen output or tailored wattage consumption for certain models. Consult factory for details.

#### Dimming

Dimming is available with a variety of control protocols and options. Consult factory for availability and specifications.

#### Acrylic Lens Options

(FW) Frosted White or (FC) Frosted Clear impact resistant extruded lens.

#### Fixture Length

Fixtures are available in 2', 3', 4', 6' and 8' nominal lengths. Continuous run mounting available featuring water-sealed gaskets within knock-outs for maintaining WL rating. See installation section for more details.

#### Custom and Mods

We proudly specialize in manufacturing custom and modified luminaires and have the ability to modify most of our standard fixtures. Please contact factory with any inquiries.

V-1114





**BIRCHWOOD**  
lighting

www.birchwoodlighting.com

# VANESSA LED

Wet Location Luminaire  
Distributed Array LED

Type: \_\_\_\_\_ Job Name: \_\_\_\_\_

Ceiling Mount | Wall Mount | CSS

## SPECIFICATION CODE

### VAN-LED-400

model light engine color temp length distribution mounting feed finish lens voltage driver standard cable length standard cord color option option

Model	Light Engine	Color Temp	Nominal Length	Distribution	Mounting	Feed	Finish	Lens	Voltage	Driver	Options
VAN-LED-400	SLO - Standard	27 - 2700K	2 - 2'	DR - Direct	CSS - Cable Suspended	STND - Standard	Powder Coat	FC - Frosted	120	EB - Electronic (standard)	CSS <sup>3</sup> - Cable Length CSS <sup>3</sup> - Power Cord Color Dimming D1 - 1% (nom) 0-10V D10 - 10% 0-10V EM <sup>5</sup> - Emergency Battery Pack HAT <sup>8</sup> - High Ambient Temperature
	Lumen Output	30 - 3000K	3 - 3'	TS <sup>6</sup> - DR with Slot for Uplight Distribution, (uses additional light engine)	WM - Wall Mount	EFL <sup>5</sup> - End Feed Left	SL - Silver	Clear	277	FW - Frosted White D10 - 10% 0-10V	
	HLO - High Lumen Output	35 - 3500K	4 - 4'	CR <sup>1</sup> - Continuous Run	CM - Ceiling Mount	EF2 <sup>5</sup> - End Feed Right (both ends)	MW - Matte White	Clear			
	CLO <sup>4</sup> - Custom Lumen Output	40 - 4000K	6 - 6'	8 - 8'		JBE <sup>5</sup> - J-box extender	CUP - Custom <sup>2</sup>				

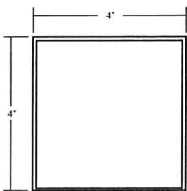
### CSS Options

Cable Length	Power Cord Color
36 - 36" (standard)	W - White
72 - 72"	B - Black
120 - 120"	G - Gray (standard)

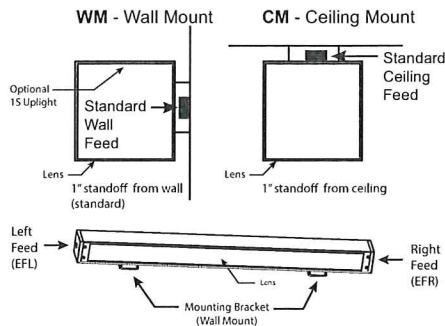
### NOTES

- 1 specify length in nominal feet
- 2 contact factory for custom finish
- 3 see options for non-standard selections
- 4 specify delivered lumens or wattage draw per foot, see LED supplemental page for spec options
- 5 for WM or CM only
- 6 not available for CM option
- 7 6' & 8' lengths are made up with (2) 3' fixtures or (2) 4' fixtures respectively
- 8 direct (DR) distribution only

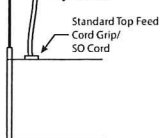
### Dimensions



### Mounting



### CSS - Cable Suspension System



VANESSA is rated for operation with ambient temperatures not to exceed 40°C. Use specification code "HAT" for applications where ambient will be between 40° and 45°C. The "HAT" option is a thermistor which will control internal temperatures so as not to exceed internal device maximum temperature. At certain temperature thresholds, fixture will dim light output to keep internal temperatures within the acceptable range. Available for EB, D1 and D10 drivers only, consult factory for more details.

\*see option sheet for details

\*see lens supplement sheet for lens info

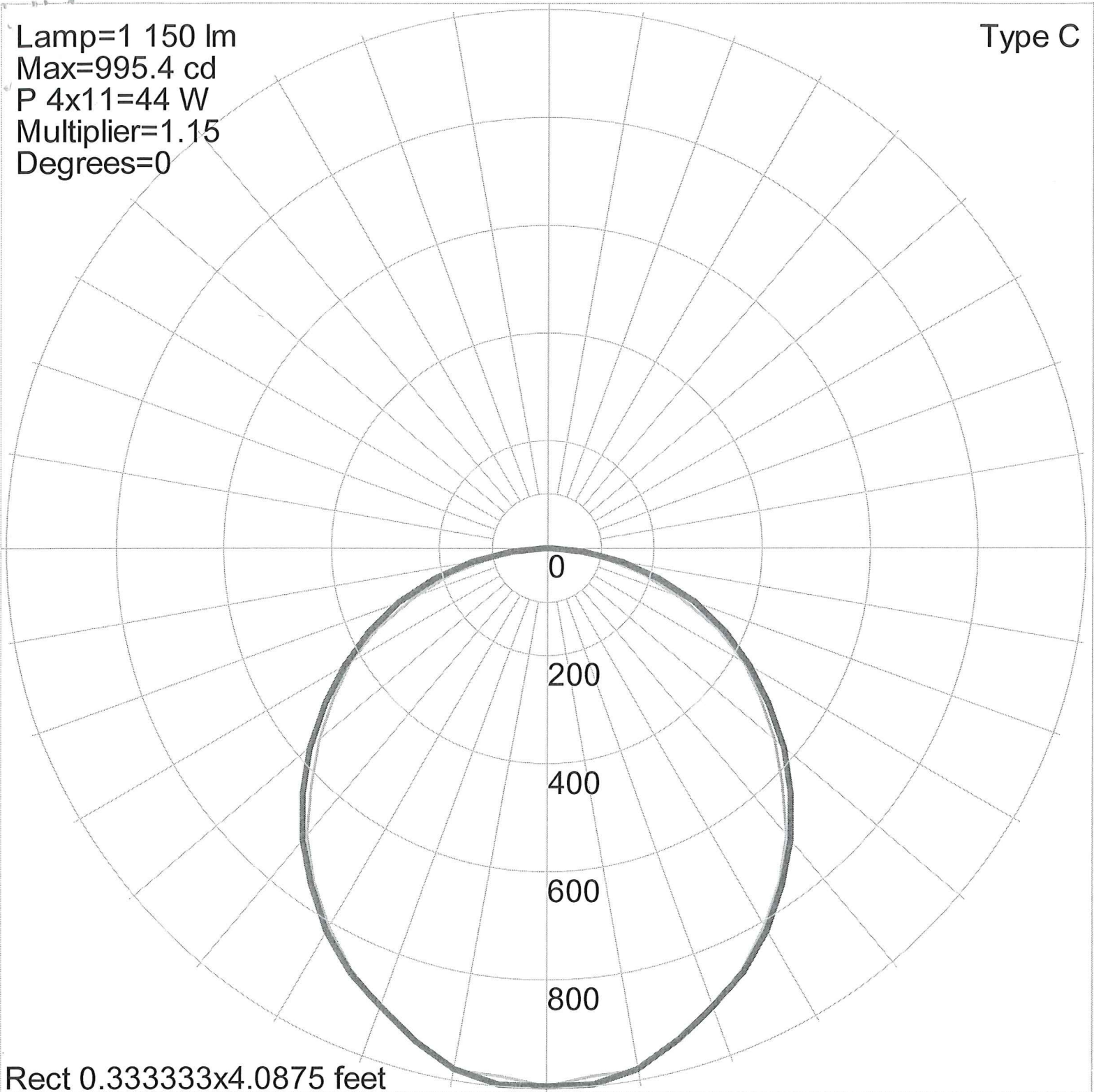
### LED

#### 400 (4000K FW lens)

SLO - 71.8 lm/watt delivered @ 5.2 w/ft consumed watts  
 HLO - 68.5 lm/watt delivered @ 10.9 w/ft consumed watts  
 CLO - refer to LED supplemental page  
 LED supplement info

Type C

Lamp=1 150 lm  
Max=995.4 cd  
P 4x11=44 W  
Multiplier=1.15  
Degrees=0

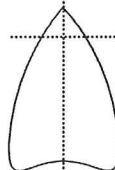
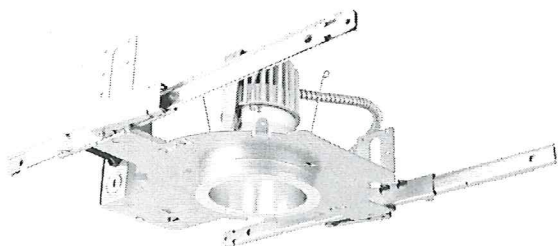


Rect 0.333333x4.0875 feet

Luminaire: VAN-LED-400-HLO-30-4-MW-FW  
Lamp catalog: L9LR/250C/830/DA3R/289x38  
Lamp: LED 9.2W Distributed Array Gen 3 LED Module (260mA)



Luminaire Type:  
Catalog Number  
(autopopulated):



Gotham Architectural Downlighting  
LED Downlights

**4" Evo®  
Downlight**

Solid-State Lighting



FEATURES

**OPTICAL SYSTEM**

- Self-flanged semi-specular, matte-diffuse or specular lower reflector
- Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
- 45° cutoff to source and source image
- Top-down flash characteristic

**MECHANICAL SYSTEM**

- 16-gauge galvanized steel construction; maximum 1-1/2" ceiling thickness
- Telescopic mounting bars maximum of 32" and minimum of 15", preinstalled, 4" vertical adjustment
- Toolless adjustments post installation
- Junction box capacity: 8 (4 in, 4 out) 12AWG rated for 90°C
- Light engine and driver accessible through aperture

**ELECTRICAL SYSTEM**

- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours based on IESNA LM-79-2008
- 120-277VAC, 50/60hz power supply with 0-10V dimming (10-100%)
- Overload and short circuit protected
- LEDs tested under LM80

**LISTINGS**

- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling

**WARRANTY**

- 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

ORDERING INFORMATION

EXAMPLE: EVO 35/10 4AR 120

Series	Color temperature	Nominal lumen values	Aperture/Trim color	Distribution	Finish	Voltage
EVO	27/ 2700 K	06 600 lumens	4AR Clear	(blank) 1.0 s/mh	(blank) Semi-specular	120
	30/ 3000 K	10 1000 lumens	4PR Pewter	MD Medium (0.8 s/mh)	LD Matte diffuse	277
	35/ 3500 K	14 1400 lumens	4WTR Wheat	WD Wide (1.5 s/mh)	LS Specular	347 <sup>2</sup>
	41/ 4100 K	18 1800 lumens	4GR Gold			
		20 2000 lumens	4WR <sup>1</sup> White			
			4BR <sup>1</sup> Black			

Driver	Options
AZ10 <sup>3</sup> Philips Xitanium 0-10V dimming driver. Minimum dimming level 10%	SF Single fuse
EZB eldoLED SOLOdrive 0-10V dimming driver. Minimum dimming level 1%. 120V or 277V	NPP16D nLight® network relay pack with 0-10V dimming. Refer to <a href="#">IN-602</a> .
EDAB eldoLED SOLOdrive DALI dimming driver. Minimum dimming level <1%. 120V or 277V	NPP16D ER <sup>6</sup> nLight® network relay pack with 0-10V dimming for emergency circuit operation. Refer to <a href="#">IN-602</a> .
EDXB eldoLED POWERdrive DMX with RDM (remote device management). Minimum dimming level <1%. Includes termination resistor. 120V or 277V	NPS80EZ nLight® dimming pack controls 0-10V eldoLED drivers.
ECOS2 <sup>3,4,5</sup> Lutron® Hi-Lume® 2-wire forward-phase dimming driver. Minimum dimming level 1%	NPS80EZ ER <sup>6</sup> nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.
ECOS3 <sup>3,4</sup> Lutron® Hi-Lume® 3-wire or EcoSystem® dimming driver. Minimum dimming level 1%	TRW <sup>7</sup> White painted flange
	TRBL <sup>8</sup> Black painted flange
	EL <sup>9</sup> Emergency battery pack with integral test switch
	ELR <sup>9</sup> Emergency battery pack with remote test switch
	CRI90 High CRI (90+)
	CP <sup>10</sup> Chicago plenum
	BGTD Bodine generator transfer device
	RRL RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to <a href="#">RRL</a> for complete nomenclature.

ACCESSORIES order as separate catalog numbers (shipped separately)

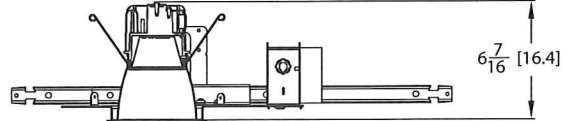
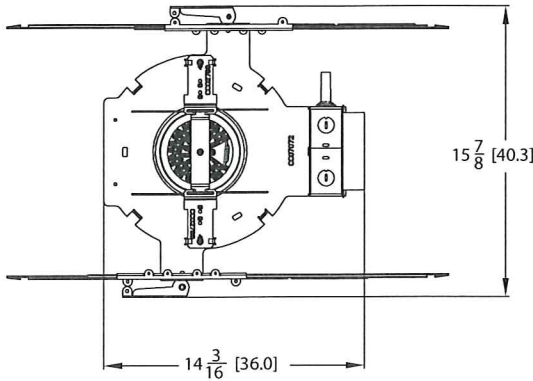
SCA4	Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D. Refer to <a href="#">TECH-190</a> .
CTA4-8 YK	Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 2").
ISD BC	0-10V wallbox dimmer. Refer to <a href="#">ISD-BC</a> .





DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 4-5/16 (11)  
 Ceiling Opening: 5-1/8 (13)  
 Overlap Trim: 5-7/16 (13.8)

ELECTRICAL

WATTAGE CONSUMPTION MATRIX		
LUMENS	WATTAGE	LUMENS per WATT
600	16	49
1000	21	51
1400	26	55
1800	29	58
2000	31	65

AVAILABILITY/COMPATIBILITY -- INITIAL LUMENS				
PRODUCT	LED		INITIAL LUMENS	
	LUMENS	WATTS	EL/ELR	ELRHL
EVO 4"	600	18	363	N/A
EVO 4"	1000	22	379	N/A
EVO 4"	1400	30	702	N/A
EVO 4"	1800	38	731	N/A

nLight® Control Accessories: Order as separate catalog number. Visit <a href="http://www.sensorswitch.com/nLight">www.sensorswitch.com/nLight</a> for complete listing of nLight controls.			
<b>WallPod stations</b>	<b>Model number</b>	<b>Occupancy sensors</b>	<b>Model number</b>
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX [color]	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
<b>Photocell controls</b>	<b>Model number</b>	Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX
On/Off & Dimming	nCM ADCX	<b>Cat-5 cables (plenum rated)</b>	<b>Model number</b>
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1

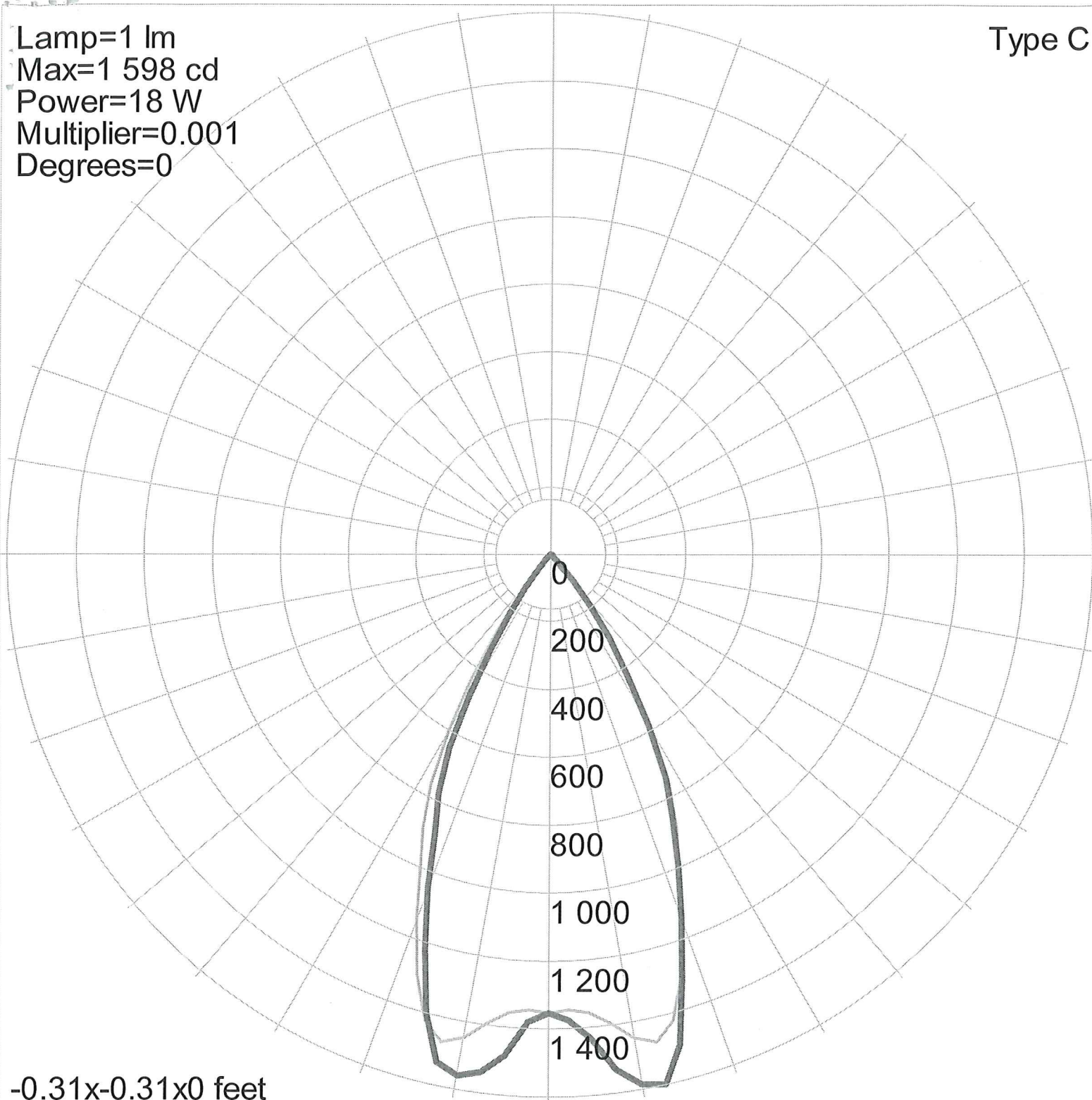
NOTES

**ORDERING NOTES**

- Not available with finishes.
- Not valid with emergency options, i.e., EL and ELR.
- Refer to [TECH-240](#) for compatible dimmers.
- Not available with nLight® option.
- 120V only.
- For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- Not available with white reflector.
- Not available with black reflector
- For dimensional changes, refer to [TECH-140](#). Access above ceiling required. Not available with CP option. Specify 120V or 277V. Not available with 347V.
- Not available with EL or ELR options.

Type C

Lamp=1 lm  
Max=1 598 cd  
Power=18 W  
Multiplier=0.001  
Degrees=0



-0.31x-0.31x0 feet

Manufacturer: Gotham Architectural Lighting  
Luminaire catalog: EVO 35/10 4AR LS MD 120  
Luminaire: 4" LED DOWNLIGHT, 3500K, 1000 LUMENS, MEDIUM DISTRIB  
Lamp catalog: NICHIA 219A  
Lamp: LED