



CPED STAFF REPORT

Prepared for the Heritage Preservation Commission

HPC Agenda Item #3
 August 5, 2014
 BZH-28271

HERITAGE PRESERVATION APPLICATION SUMMARY

Property Location: 1 (3) Lourdes Place
Project Name: Our Lady of Lourdes – Church and Steeple Lighting
Prepared By: [Becca Farrar-Hughes](#), Senior City Planner, (612) 673-3594
Applicant: Our Lady of Lourdes Catholic Church
Project Contact: Landscape Research, LLC, Attn: Amy Lucas
Ward: 3
Neighborhood: Nicollet Island-East Bank Neighborhood Association
Request: To up-light the church and steeple.
Required Applications:

Certificate of Appropriateness	To allow the up-lighting of Our Lady of Lourdes Catholic Church, a contributing building in the Saint Anthony Falls Historic District.
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HISTORIC PROPERTY INFORMATION

Current Name	Our Lady of Lourdes
Historic Name	First Universalist Church
Historic Address	21-27 Prince Street Southeast
Original Construction Date	1856-1857
Original Architect	Unknown
Original Builder	Unknown
Original Engineer	Unknown
Historic Use	Church
Current Use	Church
Proposed Use	Church

Date Application Deemed Complete	June 19, 2014	Date Extension Letter Sent	N/A
End of 60-Day Decision Period	August 18, 2014	End of 120-Day Decision Period	N/A

CLASSIFICATION

Local Historic District	Saint Anthony Falls Historic District
Period of Significance	1858-1940
Criteria of Significance	Architecture and Social Significance
Date of Local Designation	1971
Date of National Register Listing	N/A
Applicable Design Guidelines	<i>Saint Anthony Falls Historic District Guidelines</i> <i>Secretary of the Interior Standards for the Treatment of Historic Properties</i>

SUMMARY

BACKGROUND. Our Lady of Lourdes Church, located at 1 Lourdes Place (formerly 21-27 Prince Street SE), is the oldest church in continuous use in Minneapolis, and it is one of the oldest structures in the St. Anthony Falls Historic District. The structure is a contributing building in the district, reflecting the significance of the district. The limestone-clad building was constructed in 1856-1857 by the First Universalist Society of St. Anthony. In 1877, the church was sold to a French Canadian congregation that substantially enlarged the church in 1881-1883 to its present appearance and remodeled it to reflect the character of Canadian French Provincial models. The church was originally constructed in the Gothic Revival style but incorporated additional elements from other architectural styles including Romanesque and Second Empire. Over time, additions to the structure have doubled the size of the building, the pitch of the roof was increased, a transept and apse, and a Gothic-style wood steeple were added. The two-story, Neo-Classical Rectory, was designed by Minneapolis architect C.F. Struck and built in 1903. The changes in ownership and architectural styles are a visual reminder of the tiers of history found along the Minneapolis riverfront.

APPLICANT’S PROPOSAL. Landscape Research, LLC, on behalf of Our Lady of Lourdes Parish, has applied for a Certificate of Appropriateness application to allow for the up-lighting of the church and steeple. The church and steeple have been lit in the past by building mounted fixtures as evidenced by extant but not currently utilized electrical systems on the building as well as by lights attached to poles and rooftops located on surrounding buildings. Most recently, five auxiliary lights were directed at the steeple including: two lights on the Riverplace parking ramp which required yearly contracts; two lights on a pole on the north side of the church property; and a single light on the mechanical equipment located on the roof of the neighboring parking ramp to the south. These lights produced light spill resulting in nuisance lighting in the neighborhood. The church discontinued lighting of the steeple at night due to complaints by residents.

The applicant proposes to utilize small, energy efficient LED fixtures/bulbs attached directly to the building. The design features controlled, direct lighting and there would be no nuisance or spillover lighting or any exposed conduit at any portion of the installation.

Five different levels of lighting and three different fixture types are proposed on the face of the building as noted in the attached plans and described below:

- (1) The first level would include four “VI” lights on the roof of the entry vestibule as close as possible to the building wall. These linear lights measure 1.97 inches by 1.56 inches and are 48

inches long. The lights would use existing electrical conduit from a previous lighting system and would not be visible from the street. No new penetrations would be necessary.

- (2) The second level would include four “VI” lights on the roof of the stone vestibule. As previously noted these linear lights measure 1.97 inches by 1.56 inches and are 48 inches long. The lights would also utilize an existing electrical conduit from a previous lighting system and would not be visible from the street. No new penetrations would be necessary.
- (3) The third level would include four “FF” lights proposed on the smaller side steeples on either side of the slope of the steeple roof. These lights measure 3.6 inches wide by 8.38 inches tall and 5.25 inches thick; they are considered small flood lights. There is existing electrical at the interior of these steeples and direct access to each fixture would be through a single one inch opening. The fixtures would be painted green to match the existing copper finish.
- (4) The fourth level would include two “VI” lights at the base of the wood steeple as close to the wall as possible. As previously noted these linear lights measure 1.97 inches by 1.56 inches and are 48 inches long. There is existing electrical at the open bell tower of the steeple for access to each fixture and the lights would not be visible from the street.
- (5) The fifth level would include eight “FS” lights on the central steeple. These lights measure 4 inches by 8.38 inches tall and 5.25 inches thick; they are considered spot lights. Six of the eight fixtures would highlight the copper panels and two would be dedicated towards highlighting the cross. Direct access to each fixture would be through a single one inch opening. The fixtures would be painted green to match the existing copper finish.

The “VI” fixtures would be controlled by a dimming system and the “FF” and “FS” fixtures would be controlled by a programmable time clock. As previously noted, there would be no exposed conduit.

RELATED APPROVALS.

Planning Case #	Application	Description	Action
BZH-25092	Certificate of No Change	Re-roof in kind – part of previously approved C of A approved in February 2007.	Approved in 2007.
BZH-25178	Certificate of No Change	Construction of small entrance portico to basement level, removal/repair of exterior chimneys – part of previously approved C of A approved in February 2007.	Approved in 2007.
BZH-27645	Certificate of Appropriateness	To allow condensing units for air conditioning purposes on the roof of the church sacristy.	Approved in 2013.

PUBLIC COMMENTS. Staff has not received official correspondence from the Nicollet Island-East Bank Neighborhood Association. Neighborhood letters received prior to the printing of this report are attached. Any additional correspondence received prior to the public meeting will be forwarded on to the Heritage Preservation Commission for consideration.

ANALYSIS

CERTIFICATE OF APPROPRIATENESS

The Department of Community Planning and Economic Development has analyzed the application to allow for the up-lighting of the church and steeple based on the following [findings](#):

1. *The alteration is compatible with and continues to support the criteria of significance and period of significance for which the landmark or historic district was designated.*

The proposal to mount fixtures on to the building that provide exterior lighting of the church and steeple is compatible with and continues to support the criteria of significance and period of significance for which Our Lady of Lourdes is a contributing building to the St. Anthony Falls Historic District. The St. Anthony Falls Historic District is significant in part for the mill and industrial buildings from the 19th century and early 20th century which propelled Minneapolis to become the largest city in Minnesota (the period of significance is from 1858-1940) as well as culturally significant due to the geologic and geographic significance of the falls.

A total of eighteen fixtures of three different types (as described above) are proposed to be installed on the building. The proposed “VI” fixtures, totaling ten of the eighteen proposed fixtures, would utilize existing penetrations and existing electrical conduit. They are linear and low profile. Staff is not concerned with the location, profile or specifications for the proposed “VI” fixtures.

New penetrations would be required and new electrical installed for the eight proposed “FF” and “FS” fixtures. While the proposed “FF” and “FS” fixtures are larger and would each require a one inch penetration, given the height of the elements the applicant proposes to illuminate and given the overall height of the structure above grade, the fixtures are appropriate and would likely not be visible, especially due to the fact that the applicant proposes to paint them to match their surroundings. In addition, all lighting as proposed would be clear light and adjustable in terms of illumination levels.

2. *The alteration is compatible with and supports the interior and/or exterior designation in which the property was designated.*

The proposed alteration is compatible with and supports the criteria of significance and period of significance for which the historic district was designated. The overall impact of the proposed fixtures and the up-lighting of the church and steeple on the district as a whole would be negligible. As previously noted, the church and steeple have been lit in the past; the proposal to utilize small, energy efficient LED fixtures/bulbs attached directly to the building would allow the building to be illuminated in a controlled manner as the design features would be regulated, direct lighting and there would be no nuisance or spillover lighting or any exposed conduit at any portion of the installation. Further, given the placement, the proposed fixtures would likely not be visible from the street or at grade across the street.

3. *The alteration is compatible with and will ensure continued integrity of the landmark or historic district for which the district was designated.*

The proposed work would not affect the building’s location, design, setting, materials, workmanship, feeling, or association and would not, therefore, affect the building’s integrity.

4. *The alteration will not materially impair the significance and integrity of the landmark, historic district or nominated property under interim protection as evidenced by the consistency of alterations with the applicable design guidelines adopted by the commission.*

The St. Anthony Falls Historic District Design Guidelines were recently updated, and approved by the City Council in October of 2012. The property is located within the Hennepin & Central District Character Area. The guidelines state the following regarding the area: “The current configuration of the Hennepin and Central District contains a disparate collection of historic buildings including a collection of historic storefront buildings on Hennepin and First Avenue Northeast, Our Lady of Lourdes Church, and the Art Godfrey house, which was moved into Chute Square, an open space across Central Avenue from the library. Interspersed among these historic buildings are more recent high rise residential townhomes and other commercial and residential development.” The guidelines specific to this area further discuss site and landscape guidelines as well as building design, equipment and roof standards which are not applicable in this specific circumstance. The guidelines do not specifically address lighting of historic buildings or features.

Despite the fact that the guidelines do not address lighting of historic buildings or features, Staff routinely takes into account practical considerations when lighting is proposed which include: fixture type, the number, diameter, as well as the location of penetrations (preferably mortar joints or non-historic material); color, type and amount/intensity of the light. Given the proposed lighting plan, Staff would concur that the alteration would not materially impair the significance and integrity of the district.

5. *The alteration will not materially impair the significance and integrity of the landmark, historic district or nominated property under interim protection as evidenced by the consistency of alterations with the recommendations contained in The Secretary of the Interior's Standards for the Treatment of Historic Properties.*

The proposed alteration is compatible with the guidelines of The Secretary of the Interior’s Standards for the Treatment of Historic Properties. The addition of exterior building mounted light fixtures on the front façade of the church would comply as a rehabilitation project that meets Standard I and Standard 9.

Standard I: A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.

Standard 9: New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.

6. *The certificate of appropriateness conforms to all applicable regulations of this preservation ordinance and is consistent with the applicable policies of the comprehensive plan and applicable preservation policies in small area plans adopted by the city council.*

The project would comply with Policy 8.1 which states that the City will, “Preserve, maintain, and designate districts, landmarks, and historic resources which serve as reminders of the city's architecture, history, and culture,” as well as implementation step, 8.1.1, which states: “Protect historic resources from modifications that are not sensitive to their historic significance.” The project would not modify the building in ways that are insensitive to its historical character.

Before approving a Certificate of Appropriateness, and based upon the evidence presented in each application submitted, the Commission shall make findings that alterations are proposed in a manner that demonstrates that the Applicant has made adequate consideration of the following documents and regulations:

7. *The description and statement of significance in the original nomination upon which designation of the landmark or historic district was based.*

The applicant submitted a statement outlining how they feel the proposed work meets the guidelines of The Secretary of the Interior's Standards for the Treatment of Historic Properties. The applicant does not believe that the addition of lighting would destroy the historic materials, features and spatial relationships that characterize the property and they do not believe that the installation would not harm the building's structural integrity.

8. *Where applicable, adequate consideration of Title 20 of the Minneapolis Code of Ordinances, Zoning Code, Chapter 530, Site Plan Review.*

The proposal does not trigger Site Plan Review as required by Chapter 530 of the Zoning Code. However, as required, all lighting must comply with the lighting standards as outlined in Chapters 535 and 541 and Staff shall review the details of the fixtures in the final review prior to permit issuance.

9. *The typology of treatments delineated in the Secretary of the Interior's Standards for the Treatment of Historic Properties and the associated guidelines for preserving, rehabilitating, reconstructing, and restoring historic buildings.*

The applicant submitted a statement saying that the alteration makes adequate consideration for the treatments delineated in the Secretary of the Interior's Standards for the Treatment of Historic Properties as the proposed scope of work is compatible and the project alterations are reversible. The application complies with the rehabilitation guidelines of the Secretary of the Interior's Standards for the Treatment of Historic Properties as discussed in finding #5 above.

Before approving a Certificate of Appropriateness that involves alterations to a property within an historic district, the Commission shall make findings based upon, but not limited to, the following:

10. *The alteration is compatible with and will ensure continued significance and integrity of all contributing properties in the historic district based on the period of significance for which the district was designated.*

As proposed, the alteration is compatible with and ensures the continued significance and integrity of all contributing properties within the St. Anthony Falls Historic District. Installing exterior fixtures on the building to up-light the church and steeple that are relatively small, include minimal penetrations, and no exposed conduit and that either are not visible or are painted to match would comply with this finding.

11. *Granting the certificate of appropriateness will be in keeping with the spirit and intent of the ordinance and will not negatively alter the essential character of the historic district.*

The spirit and intent of the City of Minneapolis' Heritage Preservation Regulations is to preserve historically significant buildings, structures, sites, objects, districts, and cultural landscapes of the community while permitting appropriate changes to be made to these properties. The granting of the certificate of appropriateness to allow the church and steeple to be lit in a more efficient and less obtrusive manner would enhance the visibility of the existing historic structure.

12. *The certificate of appropriateness will not be injurious to the significance and integrity of other resources in the historic district and will not impede the normal and orderly preservation of surrounding resources as allowed by regulations in the preservation ordinance.*

Granting the certificate of appropriateness with the conditions of approval listed below would not be injurious to the significance and integrity of other resources in the historic district nor would it impede the normal and orderly preservation of surrounding resources as allowed by regulations in the preservation ordinance. The proposed up-lighting of the church and steeple should not have any adverse visual impacts on the overall character of the district and the proposed lighting maintains the integrity of the church and the intent of the district guidelines.

RECOMMENDATIONS

Recommendation of the Department of Community Planning and Economic Development for the Certificate of Appropriateness:

The Department of Community Planning and Economic Development recommends that the Heritage Preservation Commission adopt the above findings and **approve** the Certificate of Appropriateness to allow up-lighting of the church and steeple of Our Lady of Lourdes Church located at 1 (3) Lourdes Place subject to the following conditions:

1. By ordinance, approvals are valid for a period of two years from the date of the decision unless required permits are obtained and the action approved is substantially begun and proceeds in a continuous basis toward completion. Upon written request and for good cause, the planning director may grant up to a one year extension if the request is made in writing no later than August 5, 2016.
2. By ordinance, all approvals granted in this Certificate of Appropriateness shall remain in effect as long as all of the conditions and guarantees of such approvals are observed. Failure to comply with such conditions and guarantees shall constitute a violation of this Certificate of Appropriateness and may result in termination of the approval.
3. All workmanship must be completed in conformance with the Secretary of Interior Standards, see: <http://www.nps.gov/history/hps/tps/standguide/>.
4. Final plans shall include fixtures that meet the size stipulations and locational specifications as well as the color and luminance level noted in the attached plans.
5. All building mounted and pole mounted off-site light fixtures used to illuminate the church shall be removed from said premises prior to the installation of the fixtures on the church.

ATTACHMENTS

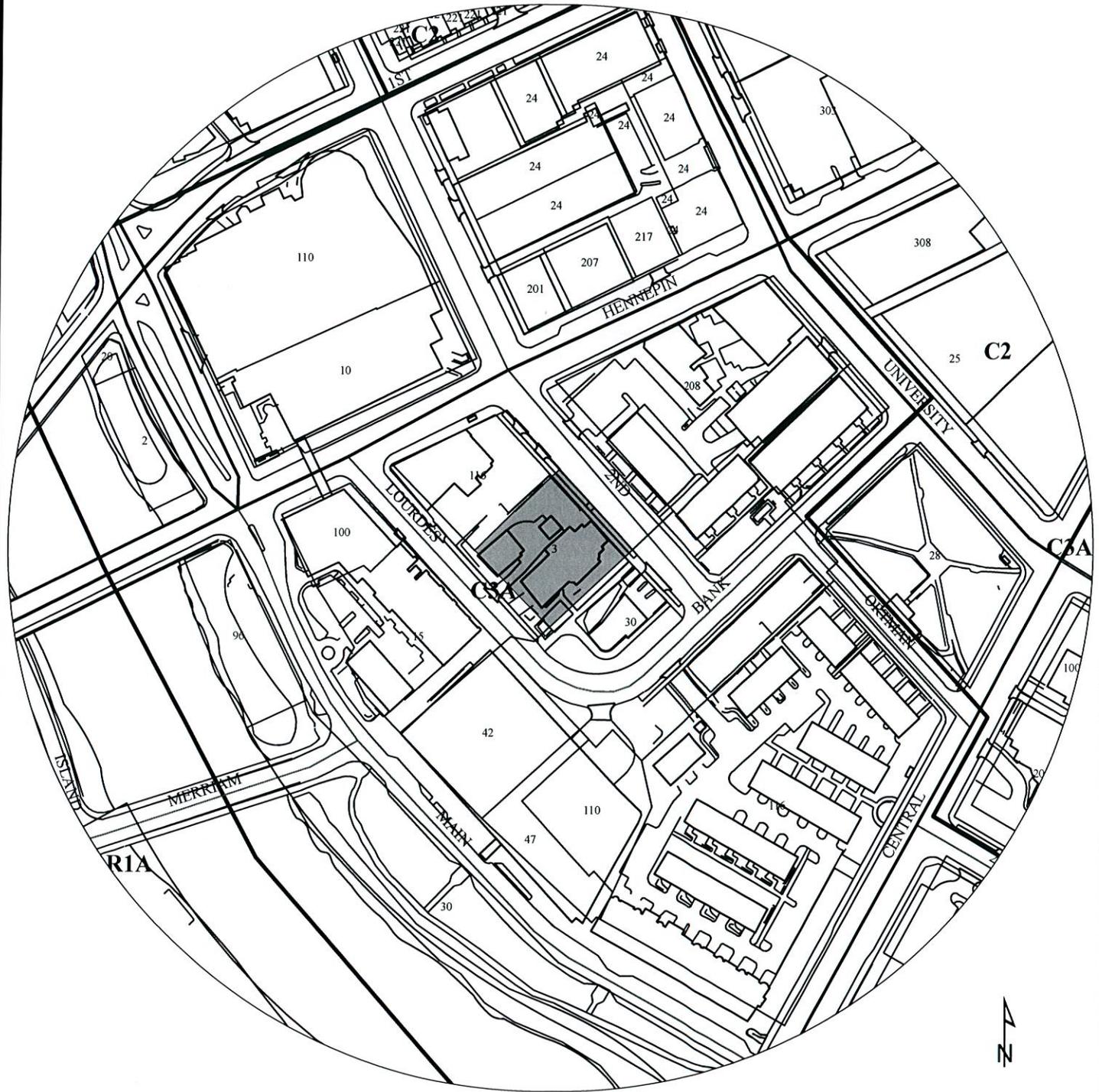
1. Zoning map
2. Written description and findings submitted by applicant
3. Correspondence
4. Plans
5. Fixture details
6. Photos

Our Lady of Lourdes

3

NAME OF APPLICANT

WARD



PROPERTY ADDRESS

1 (3) Lourdes Place

FILE NUMBER

BZH-28271

Our Lady of Lourdes Catholic Church Steeple lighting project

History:

Our Lady of Lourdes Catholic Church was built in 1857 for the First Universalist Society. Our Lady of Lourdes, a French Catholic congregation, purchased the building in 1877 and enlarged the church. Alterations include a transept with Mansard roof, bell tower (1881-83), sacristy, front vestibule and stained glass windows (ca. 1900). The Greek Revival style church was significantly altered into a Gothic Revival style building. An elevator was added in 1987. The church has been carefully maintained and, most recently, the interior was restored with the guidance from the architecture firm, Miller Dunwiddie. The church is a National Historic Landmark and is located in the St. Anthony Falls Historic District (local and NRHP). Our Lady of Lourdes Catholic Church is the oldest continuously used church in Minneapolis.

Background:

In general, most religious structures with domes and steeples in Minneapolis are lighted. External lighting enhances the architectural features and provides an additional experience of the historic landmark in the city skyline. Our Lady of Lourdes Catholic Church has a long history of lighting the steeple. Extant electrical conduits on the building roof indicate areas that had large light standards. Most recently, five auxiliary lights were directed at the steeple; these include: two lights on the Riverplace parking ramp (required yearly contracts), two lights on a pole at the north of the church (on church property) and a single light on the mechanical equipment at the south of the church (on neighboring parking ramp roof). These lights were antiquated lighting systems with bright flood light beams and required constant maintenance. With the recent influx of residential development in the area, residents complained about the light pollution and the church discontinued lighting of the steeple at night. Local residents noted that there was beauty in the lighted steeple, but difficulty with the light spill.

Proposal:

Recently, a generous couple, parishioners at Our Lady of Lourdes, has offered to cover the cost of lighting the steeple to enhance the beauty of the church in the neighborhood. Recent technology including very small light standards and energy efficient LED light bulbs will provide lighting to the landmark in a most efficient manner utilizing extant roof top electrical systems. The subtle external lighting system has been designed with care and sensitivity and brings added life to the treasured landmark. The design features controlled, direct lighting and will eliminate any nuisance lighting and night-time light spill. There will be no exposed conduit at any portion of the installation.

The proposal follows the *Secretary of the Interior's Standards for Rehabilitation*. The addition of lighting does not destroy historic materials, features and spatial relationships that characterize the property. The light standards are quite small and will be installed in non-intrusive areas with minimal alterations required. The installation does not harm the building's structural integrity. The church sits within the "Hennepin and Central District"

of the St. Anthony Falls Historic District. The guidelines do not specifically address lighting of historic features, but the church recognizes that landmarks in the district have architectural lighting including the Stone Arch Bridge.

There are five levels of lighting proposed for the building and are noted on the submitted building elevation:

First level: Four “V1” lights are proposed for the roof of the entry vestibule. The lights will be placed on the roof and as close as possible to the building wall. The “V1” lights measure 1.97” by 1.56” and are 48” long. The lights will use existing electrical conduit from a previous lighting system and will be not visible from the street.

Second level: Four “V1” lights are proposed for the roof of the stone vestibule. They will use an existing electrical conduit and will not be visible from the street.

Third level: Four “FF” lights are proposed for the smaller side steeples. These lights measure 3 1/2” wide by 8 3/8” tall and 5 1/4” thick; they will be located along the slope of the steeple roof. There is electricity at the interior of these steeples. Direct access to each light will be through a single 1” opening to each light. The light standards will be painted to match the seasoned copper (green) finish for additional camouflage.

Fourth level: Two “V1” lights are proposed for the base of the wood steeple. There is existing electrical at the open bell tower of the steeple and will easily access the two lights.

Fifth level: Eight “FS” lights are proposed for the central steeple. These lights measure 4” wide by 8 3/8” tall and 2 1/2” thick; they will be located at the base of the steeple roof on the roof slope. Direct access to each light will be through a single 1” opening to each light. The light standards will be painted to match the seasoned copper (green) finish for additional camouflage.

Our Lady of Lourdes Church

June 12, 2014

Ward 3 Council Member Jacob Frey
City of Minneapolis
350 South Fifth Street, Rm 307 City Hall
Minneapolis, MN 55415

Nicollet Island-East Bank Neighborhood Association (NIEBNA)
Contact: Victor Grambusch
132 Bank Street East
Minneapolis, MN 55414-1033

Northeast Business Association
303 East Hennepin Avenue
Minneapolis, MN 55414

RE: Heritage Preservation Commission Review
Our Lady of Lourdes Church, 3 Lourdes Place, Minneapolis, MN 55414

Dear Council Member Frey and members of the NIEBNA and Northeast Business Association,

Our Lady of Lourdes Church is planning to re-light the steeple. The steeple was lighted in the past by lights attached to poles and rooftops of surrounding buildings. These lights had long beams and distracted neighboring residents. The church has diffused these lights and is proposing a LED lighting scheme to be attached directly to the building and shines directly up the steeple to avoid disturbance to any residents.

As a locally designated landmark, the Minneapolis Heritage Preservation Commission has required a Certificate of Appropriateness application and public hearing to review the lighting proposal. We anticipate this public hearing will take place later in July or early August. You will receive a Public Hearing Notification in regards to the hearing soon.

If you have any questions regarding this process, please call our historic consultant, Amy Lucas of Landscape Research LLC, at (612) 414-7949. Thank you.

Sincerely,



Father Daniel Griffith



Founded in 1877

One Lourdes Place
Minneapolis, MN 55414

Phone 612-379-2259
Fax 612-379-0165
www.ourladyoflourdesmn.com

Austin Wagner

From: Steve Richter <steve@ourladyoflourdesmn.com>
Sent: Thursday, June 19, 2014 11:25 AM
To: Austin Wagner; 'Victoria Johnson'
Cc: 'Amy Lucas'
Subject: Steeple Lighting Project

To Whom It May Concern:

On behalf of the corporate board controlling the property of Our Lady of Lourdes Church, we authorize this application for approval by the Historic Preservation Commission of the church steeple lighting project.

Thank You,

Steve Richter



OUR LADY OF LOURDES
CATHOLIC CHURCH

Steve Richter
Business Administrator

steve@ourladyoflourdesmn.com

One Lourdes Place
Minneapolis, MN 55414
(612) 379-2259 • (612) 379-0165 fax
www.ourladyoflourdesmn.com

Farrar, Rebecca D.

From: John Horton <johnh55414@gmail.com> on behalf of John Horton
<JohnH@MHortonMedia.com>
Sent: Thursday, July 24, 2014 5:26 PM
To: Farrar, Rebecca D.
Subject: Our Lady of Lourdes Parish Up Lighting

Our Lady of Lourdes church building is a beautiful asset to our neighborhood and I believe appropriate up-light will enhance their appearance. I 100% support their request for a Certificate of Appropriateness for up-lighting for their building.

John L. Horton
110 Bank St SE Apt 1704
Minneapolis, MN 55414
651-815-0414

Farrar, Rebecca D.

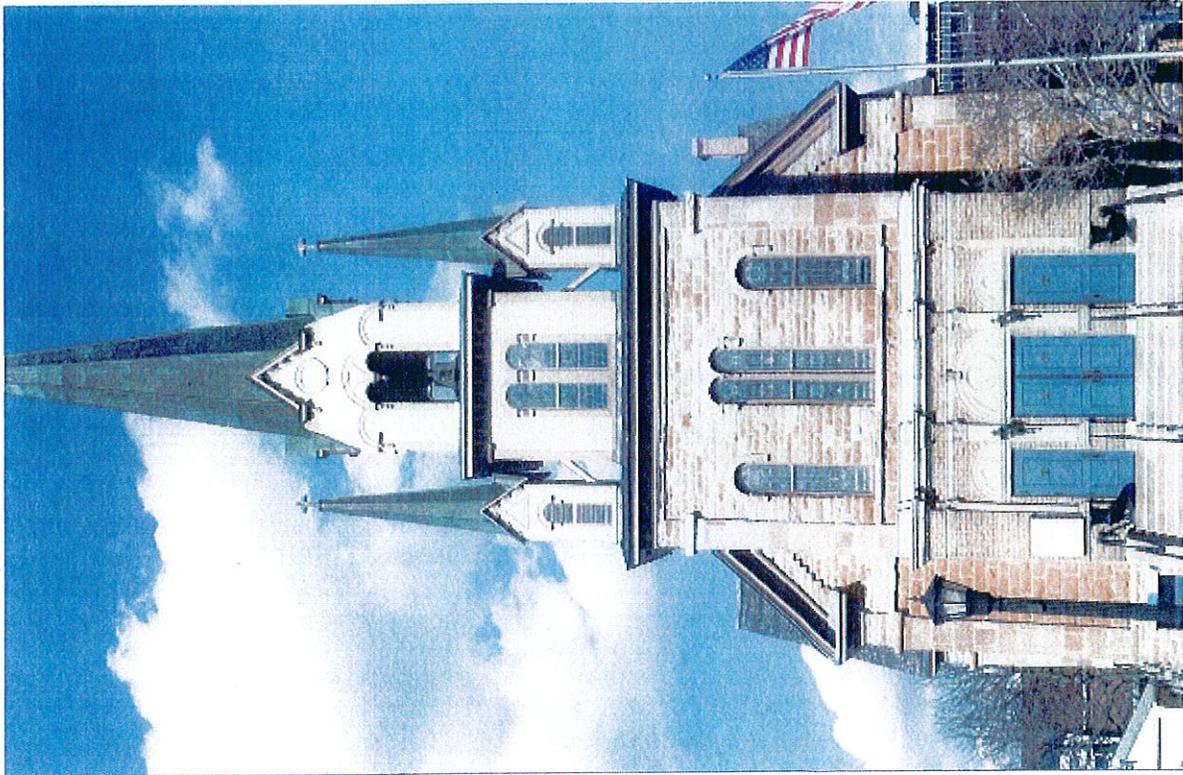
From: Craig Beddow <beddow@visi.com>
Sent: Wednesday, July 23, 2014 5:27 PM
To: Frey, Jacob; Farrar, Rebecca D.
Cc: dfgriffith@hotmail.com; faucher@pvnworks.com
Subject: Re: Our Lady of Lourdes Church Lighting Project-Public Hearing, Aug. 5, 2014

To: Minneapolis Historic Preservation Commission
Council Member Jacob Frey

Re: Our Lady of Lourdes Church Lighting Project

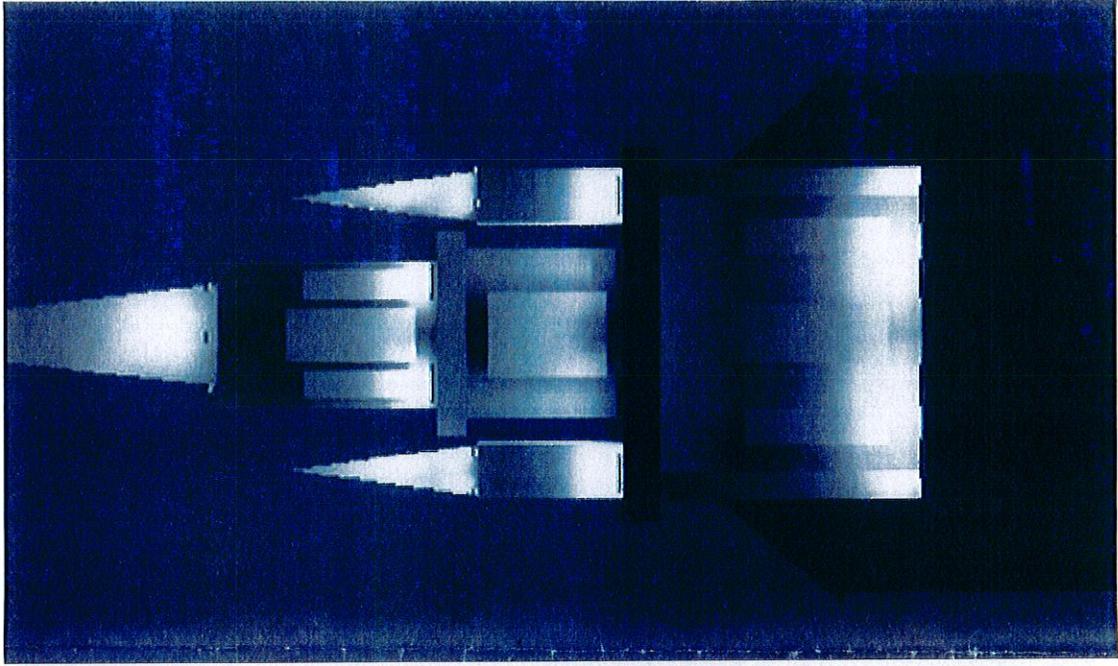
The Marquette Townhomes Board of Directors, representing the area residents living nearest to the Church, has reviewed the plans for upgrading the exterior lighting system for the church steeple. We regard the project as an improvement to the area and feel that it does not diminish the historic character of the church building. Replacing the existing system of light fixtures scattered on various neighborhood roof tops with a new LED system mounted on the church is both a visual improvement and an energy efficient solution. We support the change.

Craig Beddow
President - Board of Directors
Marquette Townhomes Owners' Association



1 PHOTO VIEW

Scale: Not To Scale



2 RENDERING VIEW

Scale: Not To Scale

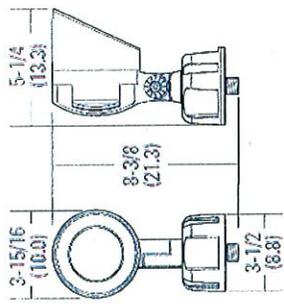
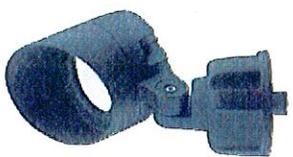
<p>DATE: _____ PROJECT: _____ DRAWN BY: _____ CHECKED BY: _____ REVISIONS: _____ APPROVED BY: _____ FOR THE CLIENT: _____ FOR THE CONTRACTOR: _____ FOR THE CITY: _____</p>	<p>Ace Electrical Contractors Inc. 5455 Highway 169 North • Plymouth, MN 55442</p>	<p>THE OUR LADY OF LOURDES EXTERIOR LIGHTING ELEVATION SHEET # E2</p>
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FOR DESIGN PURPOSES ONLY-NOT A CONSTRUCTION DOCUMENT

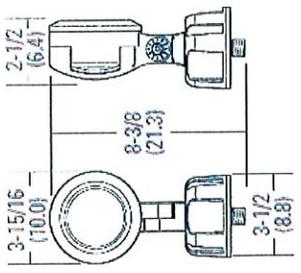
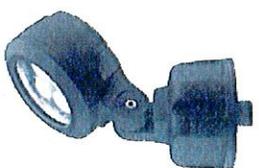
FOR DESIGN PURPOSES ONLY-NOT A CONSTRUCTION DOCUMENT



3 TYPE V1 Scale: Not To Scale



2 TYPE FS Scale: Not To Scale



1 TYPE FF Scale: Not To Scale

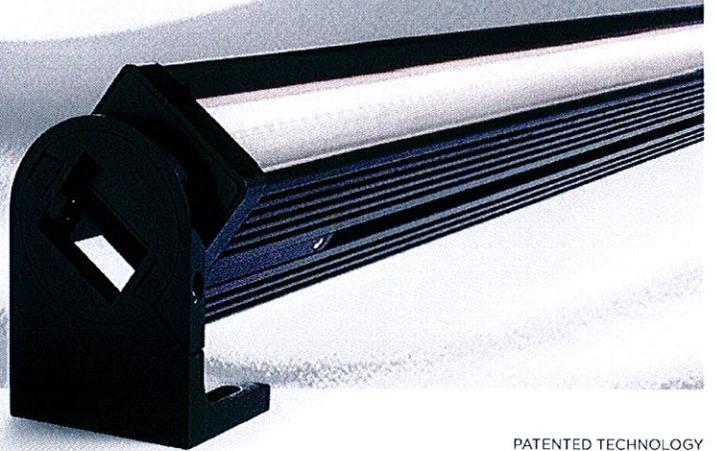
* SEE FIXTURE CUT SHEETS FOR EXACT DETAILS

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Gen2™

**incredibly
bright.
impossibly
small.**



Gen2™ High Output LED Linear Luminaire

PATENTED TECHNOLOGY

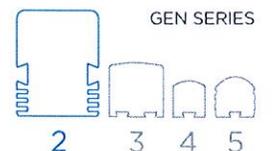
It's what happens when high design, innovative technology and big light come together to illuminate surfaces in ways you never could before.

GRAZER | GRAZER HO | WASHER | WASHER HO



1%
DIMMING

MADE IN THE
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High Output LED Linear Luminaire

GRAZER | GRAZER HO | WASHER | WASHER HO

Doing the possible better; the impossible for the first time.

The first of its kind, the Gen2™ from i2Systems represents progressive advances in engineering, technology, design & performance.

This all-new model gives lighting designers the ultimate in flexibility and simplicity, with the assurance of best-in-class light and build quality. The perfect complement to your ideas.

Outdoor

Engineered to graze to high heights and evenly wash outdoor walls and surfaces.

Whether a modern facade or a historical site, our low profile design places emphasis on the lighting effect rather than the light fixture itself.

SHOWN

Gen2 Washer HO
Black Anodized



Wet Location

Indoor

The ultimate indoor grazer & washer.

Build a visually immersive environment with premium optics, perfect color, and 1% digital dimming.

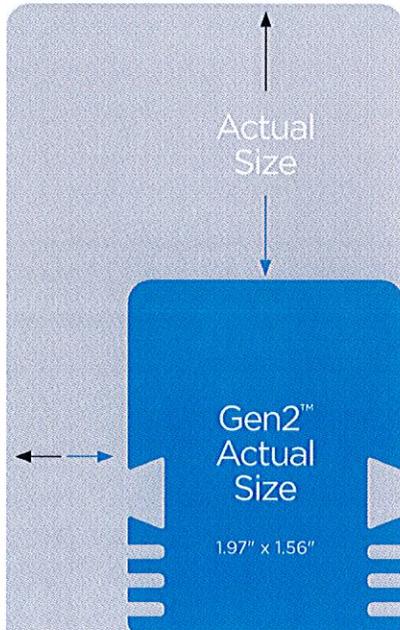
SHOWN

Gen2 Grazer HO
Clear Anodized



Small size, Big difference

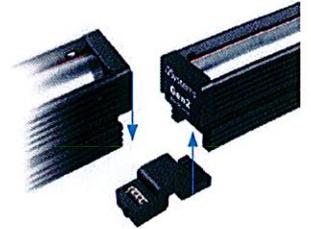
Gen2 vs. Typical LED fixtures with similar or less lumens.



What you won't find anywhere else

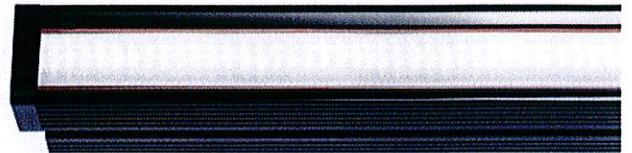
Get Connected

Patent-pending custom connectors allow vertical installation and simple re-lamping - without disassembling an entire run.



A Perfect Blend

Patented optical system provides close-to-fixture illumination with no mixing distance or individual LED beams.



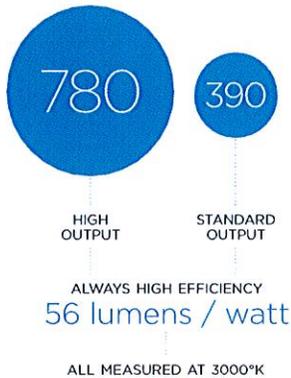
Mind the Gap

With a wide lateral throw, even large spaces and turns are filled in with even light.



Too wide? We have baffles too.

Lumens / ft



Advanced Engineering



Designed & Made in the USA

Thousands of Architectural LED installations worldwide since 2006.

100%

Inspected
Burned-in
Leak Tested
Family Owned



1% Dimming

With patented LightLink™ technology, dim hundreds of Gen2 fixtures to 1% with a single 0-10V interface. No trimming, no flicker, no worries.



Active Thermal

Patent-pending on-board temperature monitoring discreetly dims the fixture upon signs of overheat. Constantly protecting your investment.



Perfect Color

- LEDs Placed In-House
- 3-Step MacAdam Ellipse binning*
- 85 typical CRI

LED COLORS AVAILABLE

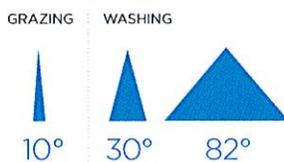
2700°K	4500°K
3000°K	5000°K
3500°K	5700°K
4000°K	6500°K

*for CCT < 4500°K

More Online

Visit our website for Spec Sheets, Installation Guides, IES & REVIT files and more.
www.i2Systems.com

Emitting Angles



Lengths

12"
24"
36"
48"

i2Systems

Simply
Advanced.™

we create the industry's
most technologically
advanced yet simple to
use LED products.
here's one.



**Designed. Engineered. Manufactured.
by i2Systems in the USA**

i2Systems is an industry leader in LED lighting technology, product design, and manufacturing. Founded in 2003, our company is built on the unwavering philosophy of leading-edge lighting technology made simple. With a vertically integrated approach to manufacturing, we assemble our products in-house with an unparalleled commitment to quality and dedication to our customers.

A technology innovator, i2Systems has been instrumental in the widespread adoption of LED lighting. We are excited to be an engaged partner in the future of lighting and sustainability for generations to come.

i2Systems worldwide headquarters and manufacturing is located in Morris, CT USA. To learn more about us, please visit our website:

www.i2Systems.com

i2Systems
355 Bantam Lake Rd.
Morris, CT 06763 USA

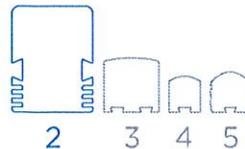
tel +1.860.567.0708
fax +1.860.567.2501
sales@i2systems.com



More on our Website

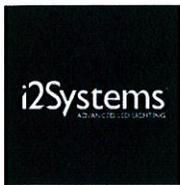
Download the Gen2 Installation Guide, IES Files, REVIT Files, and our unique 1-Page Spec Sheet for simple specifying. Our new and easy-to-use Rep Finder will put you in touch with the right person, in the right place, in record time.

Learn more about the Gen Series from i2Systems - Architectural-grade, high brightness LED luminaires designed for all aspects of lighting design.



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PRINTED IN THE USA

092-02609



Gen2™ Grazer HO

PROJECT NAME

OUR LADY OF LOURDES

TYPE V1

MODEL V2355 | HIGH OUTPUT LED LINEAR LUMINAIRE | WET LOCATION*

Gen2 is an architectural-grade, wet-location LED luminaire engineered for the illumination and grazing of walls and surfaces, with perfect continuous light and plug-together design.

US 8,255,487 | US 8,264,172
Additional Patents Pending



FIXTURE BUILDER

V2355	A	-	4	1	CBB	OPTIONS Select one of each option below
-------	---	---	---	---	-----	---

FIXTURE TYPE

Gen2 Grazer HO

*factory defaults

OUTPUT

A High 14W / Ft

LENGTH

- 1** 12"
- 2** 24"
- 3** 36"
- 4** 48"

BEAM ANGLE

1 10°
See Gen2 Washer for additional beam angles.

LED COLOR

- AAH** Cool White - 6500°K
- AAG** Cool White - 5700°K*
- AAF** Cool White - 5000°K
- BBE** Neutral White - 4500°K
- BBD** Neutral White - 4000°K*
- CBC** Warm White - 3500°K
- CBB** Warm White - 3000°K*
- CBA** Warm White - 2700°K

LOCATION

- Outdoor*
- Indoor

FINISH

- Black Anodize*
- Clear Anodize

ACCESSORIES

DIMMING CONTROL

- LIGHTLINK**
- LL-205-10V 0-10V Bridge & Dimmer

- DIMMING CABLE**
- 685-01561-100 Indoor, 100ft, Plenum
 - 685-02026-100 Outdoor, 100ft, Water/UV

POWER BOXES

INDOOR / OUTDOOR			
	VOLTAGE	POWERS	
<input type="checkbox"/>	E10PW 280W	120-277V AC	20 ft
<input checked="" type="checkbox"/>	E10PW 560W*	120-277V AC	20 ft x 2

*dual output

CONNECTORS & CABLES

- INPUT & PLUG-TOGETHER**
- 685-01859-6 6 ft, Input Cable
 - 720-01868 End-to-End Connector
 - 530-01757 End Plug (for last light)

- EXTENSION CABLES**
- 685-01670-1 1 ft Extension
 - 685-01670-3 3 ft Extension
 - 685-01670-10 10 ft Extension

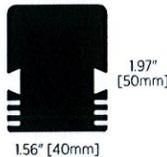
BRACKETS & BAFFLES

- BRACKETS**
- VLA-13 Adjustable
 - VLA-9 Fixed
- EXTENDED BRACKETS**
- VLAXI-6 6" Adjustable
 - VLAXI-12 12" Adjustable
- BAFFLES (INDOOR ONLY)**
- Black 810-02305-xxB
 - White 810-02305-xxW
- xx = fixture length

QUICK SPECS

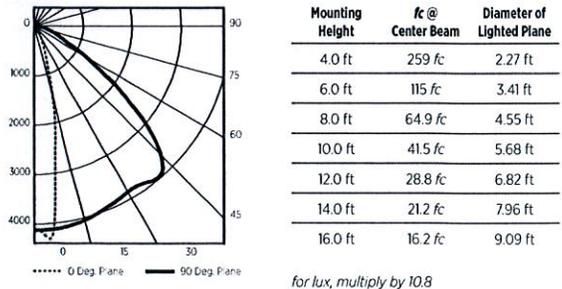
Input Voltage	20-30V DC	Humidity	0 to 95% Non Condensing
Power / Ft	14 Watts	CRI	85 typ.
Lumens / Ft	780 lms typ. @ 3000°K	Max. Plug-Together	20 Feet of Fixtures @ 30V DC
Efficiency	56 lms / W typ. @ 3000°K	Max. Wire Distance	50 Feet from Last Light to Power Box using 12 AWG
Operating Temp	-20°C to 40°C	Housing	Mil-Spec Anodized Aluminum
Max. Case Temp	50°C	Lens	UV Resistant Acrylic

- 12.57" [320mm]
- 24.38" [620mm]
- 36.19" [920mm]
- 48.00" [1220mm]



PHOTOMETRICS

48" GEN2 GRAZER HO (V2355A-41CBB) RESULTS



Multiplier Table	3000°K	4000°K	5700°K
Gen2 Grazer HO		x1.05	x1.10

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid State Lighting.

For complete technical information refer to the Gen2 Installation Guide available at www.i2systems.com



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*Product specified as "Outdoor" is rated for exterior applications, however, it is not rated for submersible applications and should not be mounted in conditions where there is or a possibility of standing water. When installing in wet or damp locations, it is good practice to seal all fixtures and junction boxes with electronic-grade RTV silicone sealant to ensure that moisture cannot enter or accumulate in wiring compartments, cables, or other electrical parts. Product should not be installed in extreme locations, including but not limited to those outside of its temperature/humidity rating, environments subject to greater than average temperature shifts, and/or applications where product is subject to water runoff or downspouts. For more information, please refer to the Gen2 Installation Guide available at www.i2systems.com.

Catalog Number	OLBF 8 30K MVOLT DDB
Notes	
Type	FF

FEATURES & SPECIFICATIONS

INTENDED USE

The OLB LED Bullet Floodlight is a long-lasting energy-efficient landscape flood light. Available with spot or flood optics making it ideal for many commercial and residential outdoor applications such lighting of landscapes, building details and flag poles.

CONSTRUCTION

Die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is mounted in the lower housing promoting a low operating temperature and long life. Housing is sealed against moisture and environmental contaminants (IP65).

Finish: Exterior parts are protected by a thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS

Optics are engineered for superior field-to-beam ratios, uniformity and spacing. Available with 5H x 4V flood optics for illuminating larger objects or 2H x 2V spot optics for illuminating targets up to 50 feet away. Light engines are available in 3000K (80 CRI min.) or 5000K (66 CRI min.) configurations.

ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).

Light engine consists of four (4) discrete LEDs directly mounted directly to the heat sink to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L82).

Driver is thermally isolated in base to promote long-life.

Operating temperature -30°C to 40°C.

INSTALLATION

Integral adjustable knuckle with 1/2-14 NPS threaded pipe facilitates quick and easy installation in a variety of mounting methods.

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations within four feet of the ground.

Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY

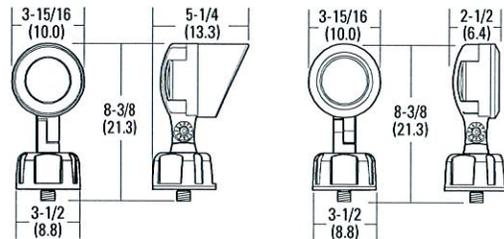
5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

OLB

LED Bullet Flood Light



All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: **OLBF 8 30K DDB**

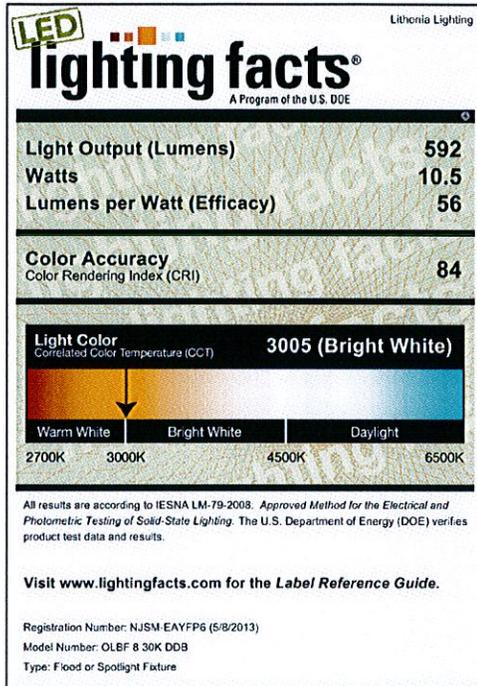
Series	Light engine	Color temperature (CCT)	Voltage	Finish
OLBF	5x4 flood optics	8	30K 3000K	DDB Dark bronze
OLBS	2x2 spot optics		(blank) MVOLT	

OLB LED Bullet Flood Light

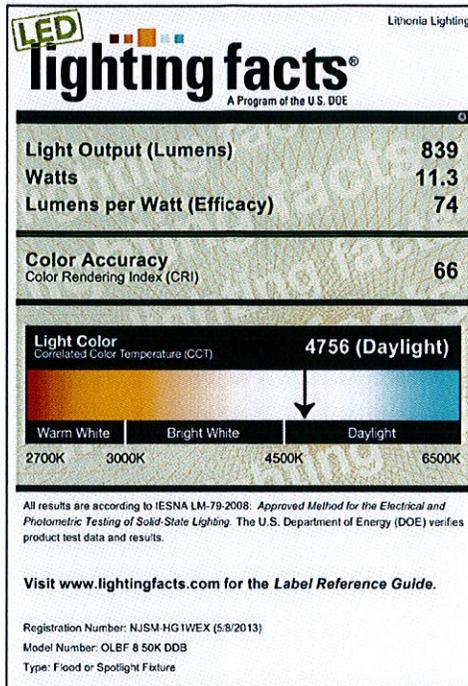
LIGHTING FACTS

To see complete photometric reports or download .ies files for this product, visit www.lithoniaighting.com.

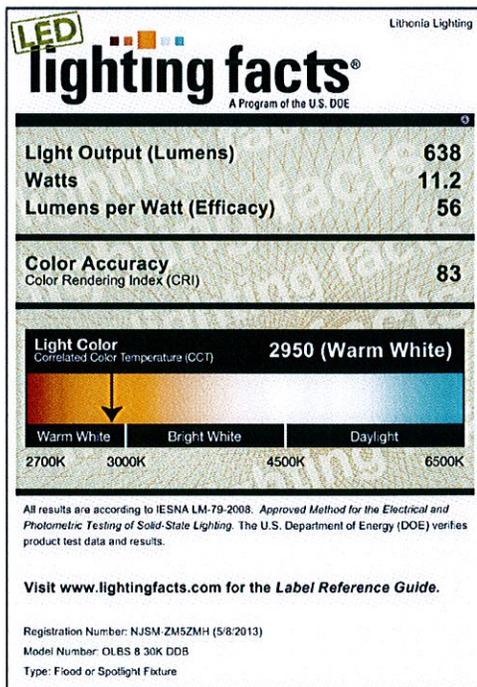
OLBF 8 30K DDB



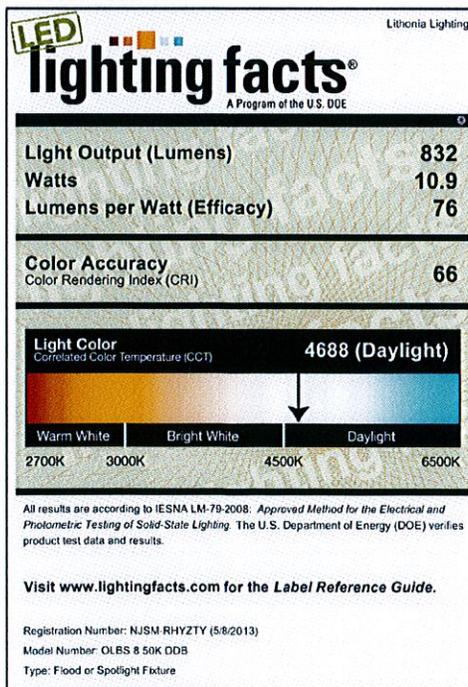
OLBF 8 50K DDB



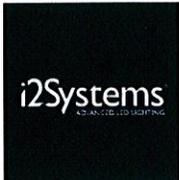
OLBS 8 30K DDB



OLBS 8 50K DDB



OLB LED



Gen2™ Grazer HO

PROJECT NAME

OUR LADY OF LOURDES

TYPE V1

MODEL V2355 | HIGH OUTPUT LED LINEAR LUMINAIRE | WET LOCATION*

Gen2 is an architectural-grade, wet-location LED luminaire engineered for the illumination and grazing of walls and surfaces, with perfect continuous light and plug-together design.

US 8,255,487 | US 8,264,172
Additional Patents Pending



FIXTURE BUILDER

V2355	A	-	4	1	CBB	OPTIONS Select one of each option below
FIXTURE TYPE	OUTPUT	LENGTH	BEAM ANGLE	LED COLOR	LOCATION	FINISH
Gen2 Grazer HO	A High 14W / Ft	1 12" 2 24" 3 36" 4 48"	1 10° <i>See Gen2 Washer for additional beam angles.</i>	AAH Cool White - 6500°K AAG Cool White - 5700°K AAF Cool White - 5000°K BBE Neutral White - 4500°K BBD Neutral White - 4000°K CBC Warm White - 3500°K CBB Warm White - 3000°K CBA Warm White - 2700°K	<input checked="" type="checkbox"/> Outdoor* <input type="checkbox"/> Indoor	<input type="checkbox"/> Black Anodize* <input checked="" type="checkbox"/> Clear Anodize
<i>*factory defaults</i>						

ACCESSORIES

DIMMING CONTROL	POWER BOXES	CONNECTORS & CABLES	BRACKETS & BAFFLES									
LIGHTLINK <input checked="" type="checkbox"/> LL-205-10V 0-10V Bridge & Dimmer DIMMING CABLE <input type="checkbox"/> 685-01561-100 Indoor, 100ft, Plenum <input checked="" type="checkbox"/> 685-02026-100 Outdoor, 100ft, Water/UV	INDOOR / OUTDOOR <table border="1"> <thead> <tr> <th></th> <th>VOLTAGE</th> <th>POWERS</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> EI0PW 280W</td> <td>120-277V AC</td> <td>20 ft</td> </tr> <tr> <td><input checked="" type="checkbox"/> EI0PW 560W*</td> <td>120-277V AC</td> <td>20 ft x 2</td> </tr> </tbody> </table> <i>*dual output</i>		VOLTAGE	POWERS	<input type="checkbox"/> EI0PW 280W	120-277V AC	20 ft	<input checked="" type="checkbox"/> EI0PW 560W*	120-277V AC	20 ft x 2	INPUT & PLUG-TOGETHER <input type="checkbox"/> 685-01859-6 6 ft. Input Cable <input type="checkbox"/> 720-01868 End-to-End Connector <input type="checkbox"/> 530-01757 End Plug (for last light) EXTENSION CABLES <input type="checkbox"/> 685-01670-1 1 ft Extension <input type="checkbox"/> 685-01670-3 3 ft Extension <input type="checkbox"/> 685-01670-10 10 ft Extension	BRACKETS <input type="checkbox"/> VLA-13 Adjustable <input type="checkbox"/> VLA-9 Fixed EXTENDED BRACKETS <input type="checkbox"/> VLAXI-6 6" Adjustable <input type="checkbox"/> VLAXI-12 12" Adjustable BAFFLES (INDOOR ONLY) <input type="checkbox"/> Black 810-02305-xxB <input type="checkbox"/> White 810-02305-xxW <i>xx = fixture length</i>
	VOLTAGE	POWERS										
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<input checked="" type="checkbox"/> EI0PW 560W*	120-277V AC	20 ft x 2										

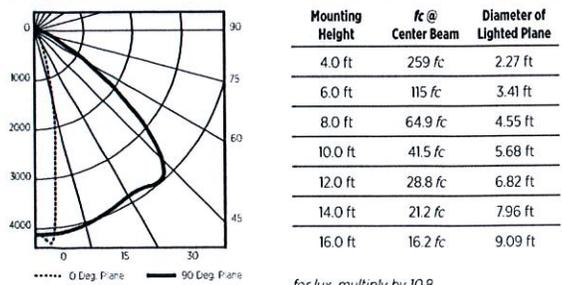
QUICK SPECS

Input Voltage	20-30V DC	Humidity	0 to 95% Non Condensing
Power / Ft	14 Watts	CRI	85 typ.
Lumens / Ft	780 lms / ft. @ 3000°K	Max. Plug-Together	20 Feet of Fixtures @ 30V DC
Efficiency	56 lms / W typ. @ 3000°K	Max. Wire Distance	50 Feet from Last Light to Power Box using 12 AWG
Operating Temp	-20°C to 40°C	Housing	Mil-Spec Anodized Aluminum
Max. Case Temp	50°C	Lens	UV Resistant Acrylic



PHOTOMETRICS

48" GEN2 GRAZER HO (V2355A-41CBB) RESULTS



Multiplier Table	3000°K	4000°K	5700°K
Gen2 Grazer HO	x1.05	x1.10	x1.10

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092-02330

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Catalog Number	OLBS 8 30K MVOLT DDB
Notes	
Type	FS

FEATURES & SPECIFICATIONS

INTENDED USE

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Operating temperature -30°C to 40°C.

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LISTINGS

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Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY

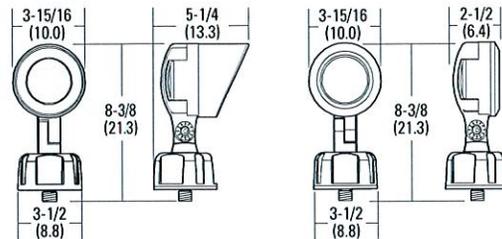
5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

OLB

LED Bullet Flood Light



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ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: OLB 8 30K DDB

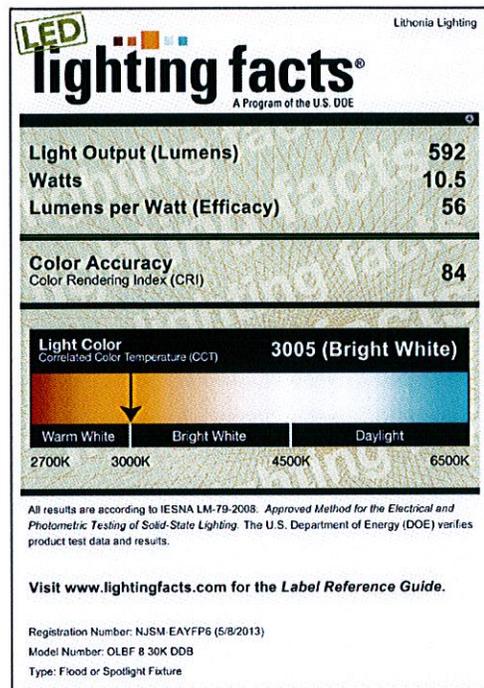
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OLBS	2x2 spot optics	8	50K 5000K	DDB Dark bronze
			(blank) MVOLT	

OLB LED Bullet Flood Light

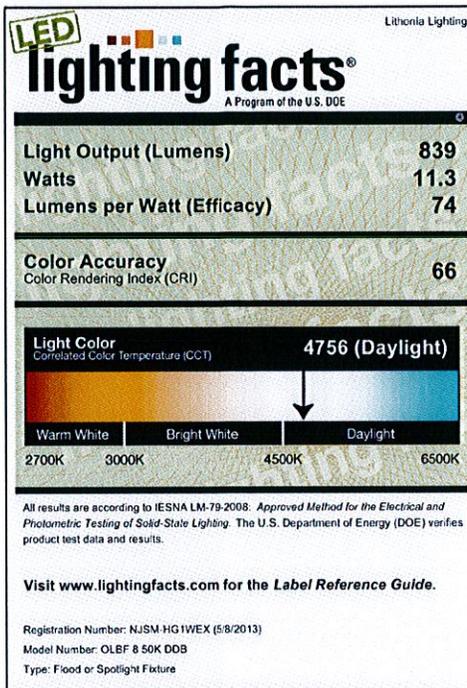
LIGHTING FACTS

To see complete photometric reports or download .ies files for this product, visit www.lithonialighting.com.

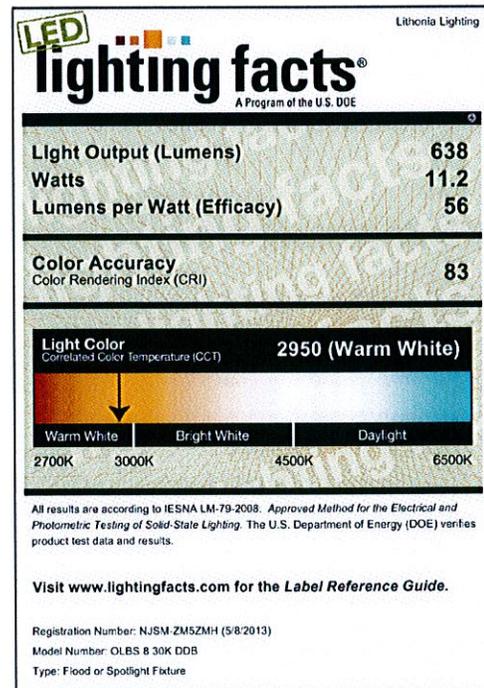
OLBF 8 30K DDB



OLBF 8 50K DDB



OLBS 8 30K DDB



OLBS 8 50K DDB

