

BOARD OF ARCHITECTURAL REVIEW
Tuesday, February 10, 2026
Town Hall – 2nd Floor, East Conference Room

WORK SESSION AGENDA – 6 P.M.

CALL TO ORDER

ROLL CALL

NEW BUSINESS

- **COA Application #2600020** – A Certificate of Appropriateness Application submitted by Carey Saffelle, Director of Energy Services on behalf of the Town of Front Royal to replace all street lights within the Historic District.
 - Walking tour and discussion.
-

REGULAR MEETING AGENDA – 7 P.M.

CALL TO ORDER

ROLL CALL

ELECTION OF OFFICERS

- Chairman *(to begin serving at the next regular BAR meeting)*
- Vice Chairman *(to begin serving at the next regular BAR meeting)*

APPROVAL OF MINUTES

- January 13, 2026 – Regular Meeting

NEW BUSINESS

- **COA Application #2600020** – A Certificate of Appropriateness Application submitted by Carey Saffelle, Director of Energy Services on behalf of the Town of Front Royal to replace all street lights within the Historic District.

ADJOURNMENT



The following minutes are a summary of items on the agenda. This meeting may be viewed in its entirety by accessing the video of the same date online via the Town's website at www.frontroyalva.com for a limited time.

A regular meeting of the Board of Architectural Review of the Town of Front Royal, Virginia was held on January 13, 2026, in the Town Hall East Conference Room.

CALL TO ORDER

Chairman Waters called the Board of Architectural Review meeting to order at 5:30 p.m.

ROLL CALL

Present: Collin Waters, Chairman
Ellen Aders
Dede Nash
Teresa Henry

Absent: Kevin Cuddeback

Staff Present: Lauren Kopishke, Director of Planning and Zoning/Zoning Administrator
Daniel Wells, Code Enforcement/Property Maintenance Official
Connie Potter, Executive Assistant/Clerk for the Board of Architectural Review

APPROVAL OF MINUTES

- October 14, 2025 – Regular Meeting

Chairman Waters moved, seconded by Ms. Aders to approve the minutes as written.

VOTE: Yes – Waters, Aders
No – N/A
Abstain – Henry, Nash
Absent – Cuddeback

ROLL CALL

- December 9, 2025 – Regular Meeting

Ms. Aders moved, seconded by Ms. Nash to approve the meeting minutes as written.

VOTE: Yes – Nash, Waters, Aders, Henry
No – N/A
Abstain – N/A
Absent – Cuddeback

VOICE VOTE



RECOGNITION OF SERVICE

- Recognition of Service on the Board of Architectural Review to Gary (Dewey) Duane Vaughan.

Chairman Waters noted that Mr. Vaughan had a lifetime of knowledge that will be missed by the Board.

Ms. Kopishke presented Mr. Vaughan with a “plaque” in appreciation of his sixteen (16) years of service on the Board of Architectural Review. Mr. Vaughan was presented with a piece of a pulley from the theater stage curtains from the Murphy Theater Building. Chairman Waters mounted the pulley on a wooden frame and Ms. Aders supplied a name plate. Mr. Vaughan began his service on the Board of Architectural Review in December 2009 and served through November 2025.

Chairman Waters said he would like to set up a time for BAR members to go through the Murphy Theater Building to see the progress thus far in the renovations. Ms. Kopishke said she could speak with Rob McDougall to set up a time. She noted that roof trusses are slated to go on the building the week of January 20th.

ADJOURN

Ms. Aders moved, seconded by Ms. Henry to adjourn the regular meeting of the Board of Architectural Review for January 13, 2026.

VOTE: Yes – Aders, Nash, Henry, Waters
No – N/A
Abstain – N/A
Absent – Cuddeback

VOICE VOTE

The meeting was adjourned at 5:37 p.m.

The Board of Architectural Review held a work session following the regular meeting to continue their review of the Historic District Guidelines.

Approved by Board of Architectural Review
Date: _____



**TOWN OF FRONT ROYAL
DEPARTMENT OF PLANNING & ZONING**

**Board of Architectural Review
February 10, 2026**

APPLICATION: Certificate of Appropriateness #2600020

APPLICANT: Town of Front Royal

APPLICATION SUMMARY: A Certificate of Appropriateness (COA) Application has been submitted to replace all streetlights in the Historic District.

GENERAL INFORMATION:

Site Address(es): Historic District
Property Owner(s): Town of Front Royal
Zoning District: N/A
Historic District: Front Royal Historic Overlay District
Tax Identification: N/A
Location: Entire Town to include the Historic District

SUPPLEMENTAL INFORMATION:

Legal Authority

The Board of Architectural Review (BAR) is established by the legal authority of Virginia Code §15.2-2306 and Sections 175-82 through 175-98 of the Town Code. The Town Code gives review authority to the BAR for major projects within the Historic Overlay District. The Historic Overlay District consists of the areas and structures identified within the Front Royal Historic District. Town Code, Section 175-82, states that the purposes of establishing the historic resource overlay areas include the following:

1. To preserve and improve the quality of life for residents of the Town of Front Royal by protecting familiar and treasured visual elements in the area.
2. To promote tourism by protecting historical and cultural resources attractive to visitors and thereby supporting local business and industry.
3. To stabilize and improve property values by providing incentive for the upkeep and rehabilitation of older structures and by encouraging desirable uses and forms of economic development.
4. To educate residents on the local cultural and historic heritage as embodied in the Historic District Overlay Areas and to foster a sense of pride in this heritage.
5. To promote local historic preservation efforts and to encourage the identification and nomination of qualified historic properties to the National Register of Historic Places and the Virginia Landmarks Register.
6. To prevent the encroachment of additions or new buildings and structures that are architecturally incongruous with their environs within areas of architectural harmony and historic character.

Except where administrative review authority is granted under Section 175-89.1, and where review is exempt under Section 175-90, the BAR is responsible for reviewing major projects in the Historic Overlay District in accordance with the guidelines found under Section 175-91 of the Town Code. These guidelines are listed at the end of this report.

Authority for this Application:

175-88 - CERTIFICATE OF APPROPRIATENESS REQUIRED (Historic District)

A. No building or structure within the Chester Street and downtown business areas of the Historic Front Royal District shall be erected, reconstructed, altered or restored unless and until an application for a certificate of appropriateness shall have been approved under the provisions of this Article.

B. No building or structure within the downtown residential area of the Historic Front Royal District or property designated as a local historic landmark shall be erected, reconstructed or undergo substantial exterior alteration unless and until an application for a certificate of appropriateness shall have been approved under the provisions of this ordinance.

C. No building existing in any designated historic district shall be demolished or removed, in whole or in part, unless and until an application or a certificate of appropriateness shall have been approved by the Board of Architectural Review.

D. No application for a certificate of appropriateness to demolish a building in any historic district shall be considered by the BAR until a public hearing has been held thereon, pursuant to the notice of public hearing as required in Code of Virginia § 15.2-2204, as amended.

(Ord. of 9-25-00)

175-89 - BOARD REVIEW OF MAJOR ACTIONS (Historic District)

A. The following major actions and any other actions not specifically exempted by the terms of this ordinance or which, in the opinion of the Administrator, may constitute a major permanent and detrimental change to the character of an historic district shall be approved only after a public meeting and favorable action by a majority vote of the Board of Architectural Review:

1. The razing, demolishing or moving of a designated landmark or contributing structure.
2. Construction of any new main building, or an accessory building which exceeds five hundred (500) square feet in size within a designated historic district or on a site adjacent to a designated landmark site.
3. Any addition to or substantial alteration of a designated landmark or structure on a contributing property, which increases the square footage of the structure or otherwise alters substantially its size, height, contour or outline.
4. Any significant change or alteration of the exterior architectural style of a designated landmark or contributing property.
5. Any addition to a non-contributing structure, which alters substantially the size height, contour or outline by increasing the square footage and/or volume of the structure by one hundred percent (100%) or more of the original structure.
6. Any fence or sign that is not in conformance with the design guidelines adopted in accordance with this Article.
7. Any other major actions not specifically covered by the terms of this section but which would have a substantial effect on the character of the Historic District.

Incentives for Rehabilitation:

- Partial Real Estate Tax Exemption. Pursuant to Section 75-75 of the Town Code, the exemption shall commence on January 1 of the year following completion of the rehabilitation and shall run with the real estate for a period of ten (10) years.
- State Tax Income Credit. The Virginia Rehabilitation Tax Credit Program allows property owners who complete a certified rehabilitation project to receive an income tax credit on 25% of their eligible expenses and an additional 20% credit through the Federal Rehabilitation Tax Credit Program.

Historic Overlay District Guidelines:

1. The historic archaeological or architectural value and significance of a structure and its relationship to the historic value of the surrounding area.
2. The age and character of the historic structure, its condition, and its probable life expectancy and the appropriateness of the proposed changes to the period or periods during which the structure was built.
3. The general compatibility of the site plan and the exterior design arrangement, texture and materials proposed to be used.
4. The view of the structure or area from a public street or road, present or future.
5. The present character of the setting of the structure or area and its surroundings.
6. The probable effect of proposed construction on trees, wooded areas, or historic sites.
7. Any other factors, including aesthetic factors, which the reviewing bodies deem to be pertinent.
8. The appropriateness of the exterior architectural features of such building or structure to the compatibility with the exterior architectural features of landmarks, buildings, or structures in the district, taking into consideration the following:
 - a. General design.
 - b. Character and appropriateness of design.
 - c. Form.
 - d. Mass.
 - e. Configuration.
 - f. Arrangement.
 - g. Textures.
 - h. Material.
 - i. The permanent color of exterior materials (excluding paint).
 - j. The relationship of such elements to similar features of structures in the immediate surroundings.
 - k. Congruity with the character of the Historic District.
 - l. Congruity with the character of the Historic District.

ADDITIONAL GUIDELINES:

- The reviewing bodies shall not adopt or impose any specific architectural style in the administration of this Article.
- The reviewing bodies shall also be guided by the purposes for which landmarks, landmark sites and historic districts are designated and by the standards and considerations contained in the Secretary of the Interior's Standards for Rehabilitation.
- See Demolition Review Guidelines Addendum for demolition of structures.

SUMMARY OF APPLICATION:

The Town of Front Royal is replacing streetlights throughout Town. The BAR will need to determine the appropriateness of the streetlight design.

The light poles constitute a structure per Town Code 175-83.

STRUCTURE – Anything man-made, including, but no limited to, main buildings, outbuildings, fences, walls, lampposts, light fixtures, signs, signposts, billboards and paving.

STAFF COMMENTS:

Staff supports approval of the COA without conditions.

Attachments: Application and supporting documents.

TOWN OF FRONT ROYAL
Department of Planning and Zoning
102 East Main Street
PO Box 1560
Front Royal, VA 22630

Main 540.635.4236
Fax: 540.631.2727
planning@frontroyalva.com

Payment Type: _____
Date Paid: _____
Date Received: _____
Application Fee: ~~\$300.00~~ 0
Demolition of Historic Structure \$400.00
*For Non-Profit – 25% Fee Reduction of
Regular Fee _____ (check here)

No Charge

CERTIFICATE OF APPROPRIATENESS APPLICATION (BOARD REVIEW)

☐ New Construction ☐ Rehabilitation ☐ Sign ☐ Other _____

Application is hereby made for a Certificate of Appropriateness and is made subject to the local Historic District Ordinance, other local ordinances, and State laws which are presently in force or that may hereafter be enacted affecting or regulating thereto. The undersigned applicant agrees to these requirements which are a necessary condition for approval of this certificate.

Name of Applicant: TOWN OF FRONT ROYAL ENERGY SERVICES
Address of Applicant: 1101 MANASSAS AVE. ATTN. CAREY SAFFELLE
FRONT ROYAL, VA 22630
Phone Number: (540) 635-3027 E-Mail: csaffelle@frontroyalva.com

Property in Question:
Street Address: ALL STREETS IN THE HISTORIC DISTRICT
Tax Map Number: _____
Historic District: ☒ Downtown Residential Area
☒ Downtown Business Area

Name of Property Owner(s): _____
Address of Property Owner(s): _____
Phone Number: _____ E-Mail: _____

Are there any other applications relevant to this property or the proposed modifications being considered by any other regulatory or administrative agency? ☐ Yes ☒ No
If Yes, please describe: _____

Revised 8-25-2025

PLEASE COMPLETE REVERSE SIDE

RECEIVED
JAN 14 2026
TOWN OF FRONT ROYAL
PLANNING & ZONING DEPARTMENT

Description of Proposal, including materials and colors used with each modification (List for foundation, walls, doors, windows, trim gutters/downspouts, roofing, sign, lighting, sidewalk, fencing and gutters as applicable) (attach separate sheets if necessary):

WE ARE UPDATING TO STREET LIGHTS AND SECURITY LIGHTS IN ALL OF TOWN LIMITS. WE ARE MOVING FROM TO SOUTH END OF TOWN AND HEADING NORTH. TM & P&Z DIRECTOR WANTS ME TO COME BEFORE THE GROUP AND DISCUSS OUR LIGHTS. I HAVE SPECIFICATIONS AND I AM WILLING TO DISCUSS ALL QUESTIONS AND CONCERNS.

Also include the following as applicable:

- ☐ Attached map with property under consideration marked
- ☐ Site Plan
- ☐ Sketch, drawing, elevations
- ☐ Photographs or slides showing property in question
- ☒ Material samples (shall be provided with the application)

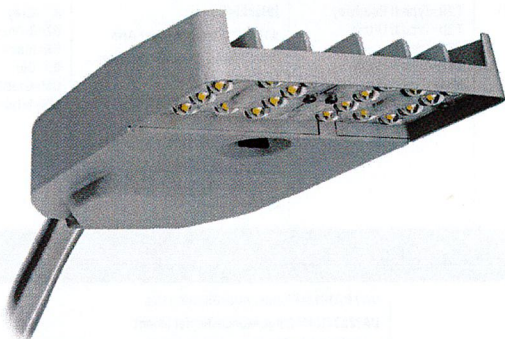
***NOTE: A public hearing is required for demolition work.**

Signature of Applicant:  Date: 1/14/2026

Signature of Representative (if applicable): _____
Date: _____

By submitting this application, the applicant grants permission to Town officials and employees to enter upon the property, which is the subject of this application, during reasonable hours and for purposes related to the application process.

Project		Catalog #		Type	
Prepared by		Notes		Date	



Interactive Menu

- **Ordering Information** page 2
- **Accessory & Mounting Details** page 4
- **Installation Overview** page 4
- **Optical Distributions** page 5
- **Energy and Performance Data** page 5

Streetworks

Archeon Contemporary Size 2

Roadway Luminaire

Product Certifications & Features



Product Specifications

OPTICAL

- 5 patented AccuLED high efficiency roadway and area optical distributions
- 7 color temperature options
 - » 70 CRI: 2200K, 2700K, 3000K, 4000K, 5000K
 - » Amber: wildlife-friendly and observatory applications
- 2 versions of field-installable shielding for superior spill light control
 - » Single-piece snap-on square shields
 - » Multiple-piece configurable vertical perimeter shielding

ELECTRICAL

- 120-277V, 240-480V, 347V, and 480V; 50/60Hz
- Standard 0-10V dimming
- 10kV and 20kV surge protection options with series or parallel configurations
- -40°C to 40°C ambient temperature operating range
- Standard 3-position terminal block

PHYSICAL CHARACTERISTICS

- Heavy duty die-cast aluminum housing and door
- Lineman-friendly features standard for easy maintenance. Includes tool-less entry and 3-position terminal block with easy access for service wires
- Housing finished in 5-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness

- 5 standard color options. RAL and custom colors also available. Additional charges and lead time apply
- Two-bolt slipfitter with cast-in pipe stop and 2.5° leveling steps
- Stamped metal birdguard seals entry for 1-1/4" to 2" (1-5/8" to 2-3/8" OD) mounting arms

CONTROLS

- Standard ANSI C136.10 7-pin receptacle for photocells or Networked Lighting Control (NLC) modules
- Optional Field Adjustable Dimming Control (FADC) module allows for manual adjustment of lumen output and power usage; factory preset to highest output level. Enables a single SKU to cover multiple field applications
- Optional 4-pin Zhaga Book 18 receptacle for integration of onboard sensors with DALI- and D4i-enabled drivers
- Fully compatible with CLS Trellex Infrastructure UNB (Ultra Narrow Band) and cellular network lighting controls platforms. Enables wireless collection of luminaire performance and status data and asset management for luminaires installed in the field

COMPLIANCE

- Meets ANSI C136.25 for IP66 Optical enclosure rating
- Meets ANSI C136.31 for 3G luminaire vibration. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications

- Meets ANSI C136.15 for luminaire field identification label standard
- Meets ANSI C136.22 internal label standard
- Safety listing - Wet Location UL 1598
- 3,000-hours per ASTM B117, with a scribe rating of 7 per ASTM D1654 for standard color finish
- DarkSky approved for 3000K CCT and warmer, with mounting options less than 10° of tilt
- DLC and DLC Premium listed- visit designlights.org to confirm listed variations
- BAA domestic preference option meets BAA requirements. See [DOMESTIC PREFERENCES](https://www.baa.com/DOMESTIC-PREFERENCES) website or consult the CLS Domestic Preferences team for more information
- BABA domestic preference option meets BABA requirements. BABA products meet minimum government compliance requirements for Buy America Build America standard, part of the [Infrastructure and Investment Jobs Act \(IIJA\)](https://www.congress.gov/baba). Individual government agencies may have more stringent compliance standards

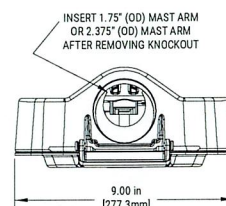
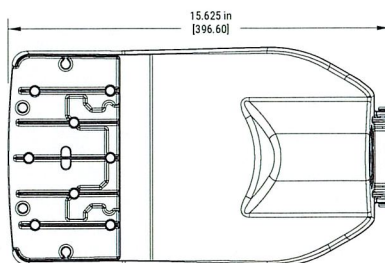
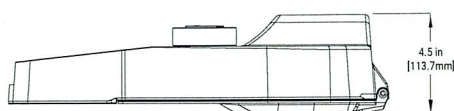
SHIPPING DATA

- Approximate Weight: 8 lbs
- EPA: 0.35
- Carton Size: 12.31" x 6.37" x 11.31"
- Pallet Size: 48" x 40"
- Cartons/Pallet: 64

WARRANTY

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

Dimensional Details

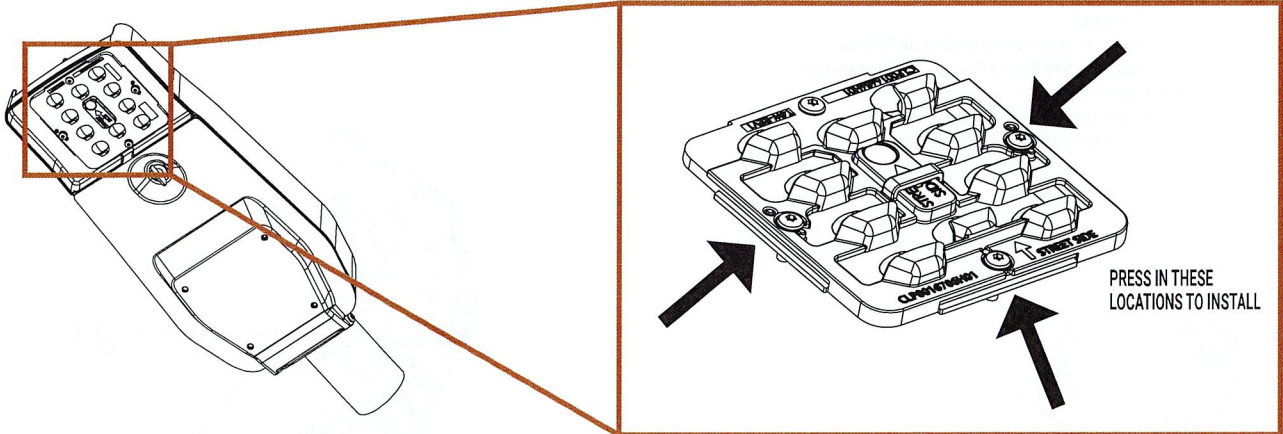


Ordering Information

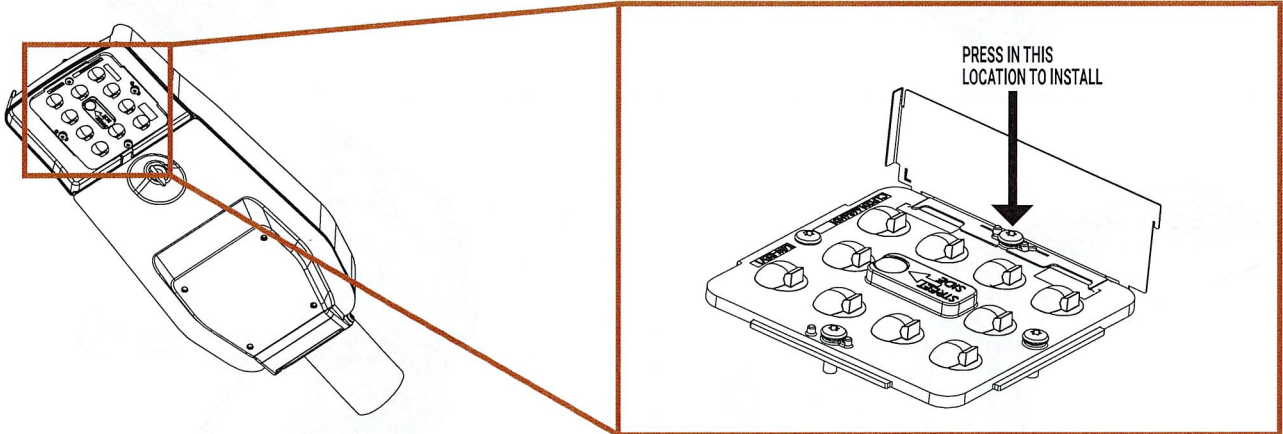
SAMPLE ORDER NUMBER: ARCH2-80-730-U-T2R-AP-10MSP

Product Family	Wattage Bucket	Color Temperature	Voltage	Distribution	Mounting	Finish
ARCH2=Archeon Contemporary Size 2 BAA-ARCH2=Archeon Contemporary Buy American Act Compliant² TAA-ARCH2=Archeon Contemporary Trade Agreements Act Compliant² BABA-ARCH2=Archeon Contemporary BABA/ILJA Compliant	20=20W (nominal) 30=30W (nominal) 40=40W (nominal) 50=50W (nominal) 60=60W (nominal) 70=70W (nominal) 80=80W (nominal) 90=90W (nominal) 100=100W (nominal) 110=110W (nominal)	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 740=70CRI, 4000K 750=70CRI, 5000K AMB=Amber	U=Universal (120-277V) 1=120V 2=208V 3=240V 4=277V 8=480V 9=347V H=High Voltage Driver (347-480V)	T2R=Type II Roadway T2U=Type II Urban T3=Type III T4W=Type IV Wide 5WQ=Type V Square Wide	[Blank]=None A15=15" Straight Mast Arm ASJS00=Adjustable Slipfitter (Factory set at 0°) ASJS15=Adjustable Slipfitter (Factory set at 15°) ASJS25=Adjustable Slipfitter (Factory set at 25°) ASJS45=Adjustable Slipfitter (Factory set at 45°)	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)		Controls		Accessories (Order Separately)		
F=Single Pole Fusing, specify voltage (120V, 277V, 347V) FF=Double Pole Fusing, specify voltage (208V, 240V, 480V) 10MSP=Parallel 10kV MOV Surge Protection Device 10K=Series 10kV UL 1449 Surge Protection Device 20MSP=Parallel 20kV MOV Surge Protection Device 20K=Series 20kV UL 1449 Surge Protection Device 20KI=Series 20kV UL 1449 Surge Protection Device with light indicator HSS=Factory Installed House Side Shield⁴ HA=50°C High Ambient Temperature⁴ K=Level Indicator CC=Coastal Construction⁵ XTB=No Terminal block Dxxxx=DOT Configuration - Contact Quotes Team Uxxxx=Utility Configuration - Contact Quotes Team		PSC=Photocontrol Shorting Cap⁶ NPC=NEMA Photocontrol - Multi-Tap⁶ LLPC=Longlife Photocontrol Included⁶ PR=NEMA 3-PIN Twistlock Photocontrol Receptacle⁶ XPR=No Photocontrol Receptacle FADC=Field Adjustable Dimming Controller⁷ DALI=DALI Driver(s) - check with factory quotes team for availability D4=D4I driver(s) - check with factory quotes team for availability Z4=4-pin DALI receptacle Zhaga Book 18⁸ ¹¹ WPS2XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height¹¹ WPS4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height¹¹ WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting¹¹ WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting¹¹ ZSC=Zhaga Book 18 shorting cap¹²		OA / RA1013=Photocontrol Shorting Cap OA1223=10kV Surge Module Replacement OA/RA1014=NEMA Photocontrol - 120V OA/RA1016=NEMA Photocontrol - Multi-Tap A15-xx=15" Straight Mast Arm (replace xx with finish color designator) ASJS00-xx=Adjustable slipfitter, Factory set at 10° (replace xx with finish color designator) ASJS15-xx=Adjustable slipfitter, Factory set at 15° (replace xx with finish color designator) ASJS25-xx=Adjustable slipfitter, Factory set at 25° (replace xx with finish color designator) ASJS45-xx=Adjustable slipfitter, Factory set at 45° (replace xx with finish color designator) PBHSS=House Side Shield (Single)³ PBPFS=Perimeter Fence Shield Kit (4 Pieces)		
NOTES: 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information 2. Only product configurations with these prefixes are built to be compliant with the Buy America Act of 1933 (BAA) or Buy America Build America Act (BABA). Please see the Compliance section in Product Specifications for more detail 3. Not available/not compatible with 5WQ optic 4. Not available in 50W or 60W configurations 5. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654 6. Not available with XPR option 7. Must specify PR or XPR 8. Must specify XPR (no NEMA receptacle) 9. For use only with other manufacturers' Zhaga Book 18 sensors; not available when Wavelinx Wireless Sensors (WPS, WLS2) are also selected 10. Select this option only when Wavelinx Wireless Sensors (WPS, WLS2) are also selected 11. Must select DALI or D4 driver option 12. Must select Z4						

House Side Shield Details



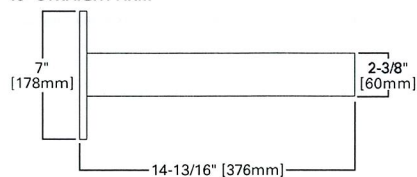
Perimeter Shield Details



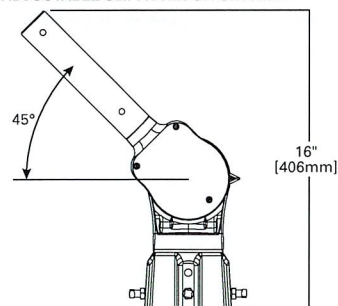
Mounting Details

Optional Arms

15" STRAIGHT ARM



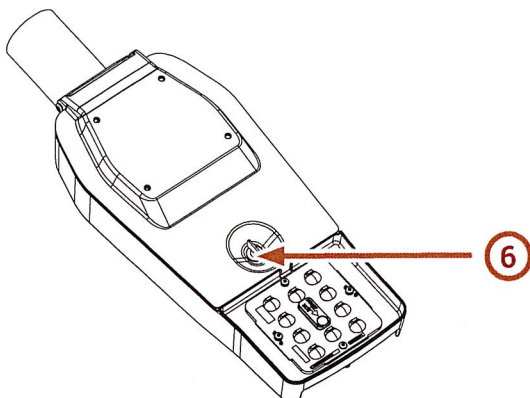
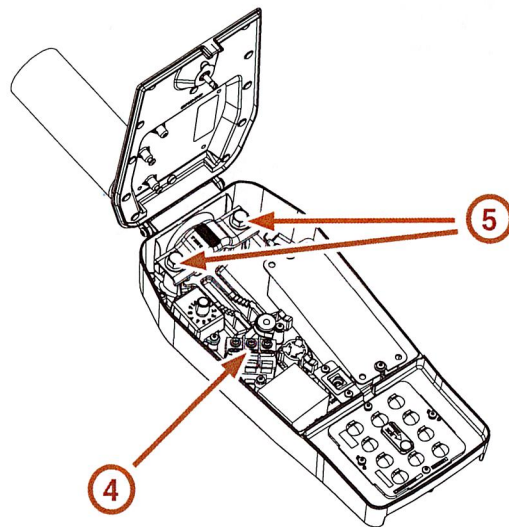
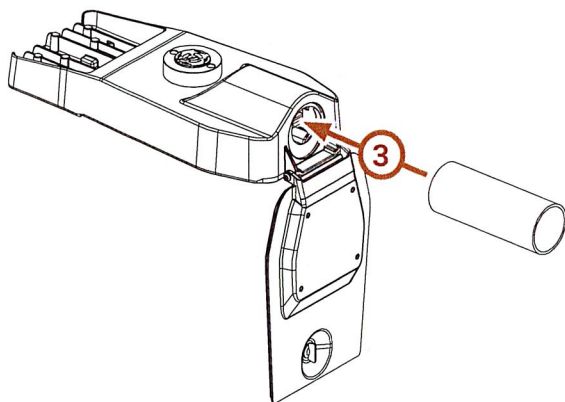
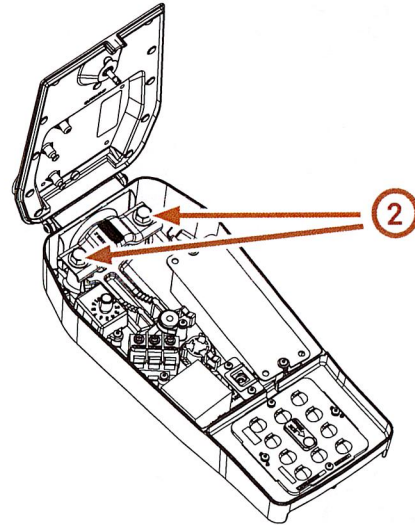
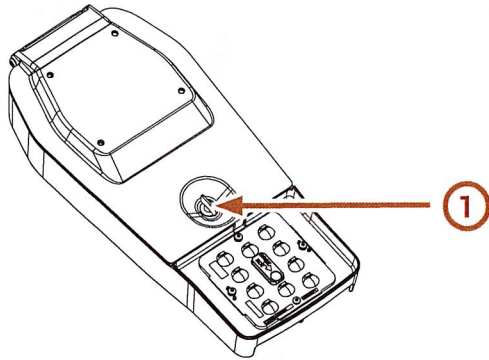
ADJUSTABLE SLIPFITTER OFFSET ARM



Installation Overview

Quick Instruction Steps:

1. Open Door Latch
2. Loosen Bolts for Mast Arm Clamp (Inside Housing)
3. Insert Mast Arm Into Fixture Through Mast Receptacle
4. Wire Appropriately
5. Tighten Bolts on Mast Arm Clamp
6. Close fixture Door and Secure Door Latch



Energy and Performance Data

Nominal Power (Watts)	30	40	50	60	70	80	90	100	110
Actual Power (Watts)	34	44	54	64	74	84	94	103	110
Wattage Label	30	40	50	60	70	80	90	100	110
Input Current @ 120V (A)	0.28	0.37	0.45	0.53	0.62	0.70	0.78	0.86	0.92
Input Current @ 277V (A)	0.12	0.16	0.19	0.23	0.27	0.30	0.34	0.37	0.40
Input Current @ 347V (A)	0.10	0.13	0.16	0.18	0.21	0.24	0.27	0.30	0.32
Input Current @ 480V (A)	0.07	0.09	0.11	0.13	0.15	0.18	0.20	0.21	0.23

Archeon Contemporary
Size 2 IES Files

Supplemental Lumen Tables

70 CRI, 3000K										
T2R	Lumens	5,131	6,464	7,741	8,938	10,012	11,054	11,927	12,707	13,164
	Lumens per Watt	149	147	143	140	136	131	127	123	120
	BUG Rating	B1 U0 G1	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G3
T2U	Lumens	5,130	6,462	7,739	8,934	10,008	11,051	11,923	12,702	13,159
	Lumens per Watt	149	147	143	140	136	131	127	123	120
	BUG Rating	B1 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3
T3	Lumens	5,107	6,433	7,704	8,895	9,964	11,001	11,870	12,646	13,100
	Lumens per Watt	148	146	143	139	135	130	127	122	120
	BUG Rating	B1 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2
T4W	Lumens	4,922	6,200	7,425	8,573	9,603	10,603	11,441	12,188	12,626
	Lumens per Watt	143	141	137	134	130	126	122	118	115
	BUG Rating	B1 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2
5WQ	Lumens	5,123	6,453	7,729	8,923	9,995	11,036	11,908	12,686	13,142
	Lumens per Watt	149	146	143	140	136	131	127	123	120
	BUG Rating	B3 U0 G1	B3 U0 G1	B3 U0 G1	B3 U0 G2	B3 U0 G2	B3 U0 G2	B4 U0 G2	B4 U0 G2	B4 U0 G2

70 CRI, 4000K										
T2R	Lumens	5,388	6,787	8,128	9,384	10,512	11,607	12,524	13,342	13,822
	Lumens per Watt	157	154	151	147	143	138	134	129	126
	BUG Rating	B1 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G3
T2U	Lumens	5,386	6,785	8,126	9,381	10,509	11,603	12,519	13,337	13,817
	Lumens per Watt	157	154	150	147	143	138	134	129	126
	BUG Rating	B1 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3
T3	Lumens	5,362	6,755	8,089	9,339	10,462	11,551	12,463	13,278	13,755
	Lumens per Watt	156	153	150	146	142	137	133	129	126
	BUG Rating	B1 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2
T4W	Lumens	5,168	6,510	7,797	9,001	10,083	11,133	12,013	12,798	13,258
	Lumens per Watt	150	148	144	141	137	132	128	124	121
	BUG Rating	B1 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2
5WQ	Lumens	5,379	6,776	8,115	9,369	10,495	11,588	12,503	13,320	13,799
	Lumens per Watt	156	154	150	147	143	137	133	129	126
	BUG Rating	B3 U0 G1	B3 U0 G1	B3 U0 G2	B3 U0 G2	B3 U0 G2	B4 U0 G2	B4 U0 G2	B4 U0 G2	B4 U0 G2

Lumen Maintenance

Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours*	L70*
25°C	98.1%	96.3%	95.6%	92.8%	>102,000
40°C	98.0%	96.1%	95.3%	92.3%	>102,000
50°C	97.8%	95.6%	94.8%	91.4%	>102,000

Note: * Calculations provided in accordance with IES TM-21-11 using the configuration resulting in highest LED temperature.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

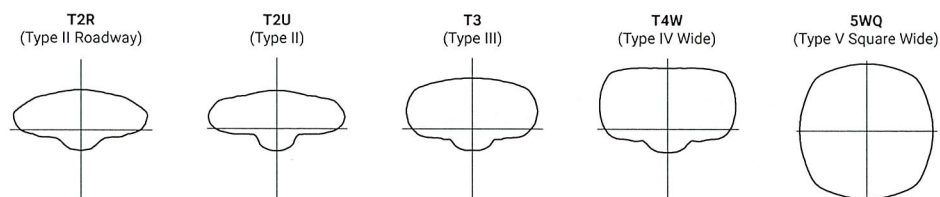
Note: +/-5% typical value

LED Color Multipliers

CRI	CCT				
	2200	2700	3000	4000	5000
Lumen Multiplier*					
70	0.83	0.92	0.95	1.00	1.00
80	--	0.85	--	--	--

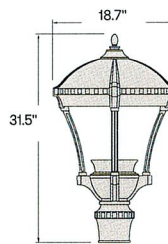
Note: * Estimates, refer to IES files for accuracy.

Optical Distributions



FEATURES

- Reliable, uniform, glare free illumination
- Types 1, 2, 3, 4W, 5Q, and 5W distributions
- Amber, 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral Surge protection: 10k in parallel, 20k in series
- Upgrade Kits
- The Providence family is scaled in three sizes of luminaires and also includes a matching bollard
- Utilizes Strike Optics for precise distributions, maximum fixture spacing and minimal backlight..
- Post top, arm mount, and wall mount configurations.
- 70, 80, and 90 CRI
- Decorative brass options
- SCP pole mounted occupancy sensor for integrated controls capabilities.



PROVIDENCE®



PROV2

	WEIGHT	EPA
PROV2	29 lbs / 13.15 kg	1.33

SPECIFICATIONS

CONSTRUCTION

- All housing components aluminum 360 alloy, sealed with continuous silicone rubber gaskets
- Standard configurations do not require a flat lens, optional lenses are tempered glass
- All internal and external hardware is stainless steel
- Finish: fade and abrasion resistant, electrostatically applied, thermally cured, triglycidic isocyanurate (TGIC) polyester powdercoat
- Optical bezel finish to match the luminaire housing

LED/OPTICS

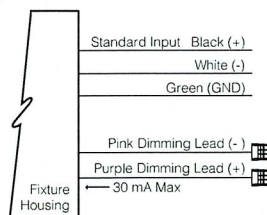
- Optical cartridge system consisting of a die cast heat sink, LED engine, TIR optics, gasket and bezel plate
- Optics are held in place without the use of adhesives
- Molded silicone gasket ensures a weather-proof seal around each individual LED.
- Features individual LED optical control based on high performance TIR optical designs
- House Side Shield is available on Standard and Clear Lens options except any Type 5 distribution. House Side Shield is not available for any distribution using a Diffused Lens

INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury
- The fixture shall slip over a 4"/100mm O.D open top pole secured and leveled with 3 stainless steel set screws or arm mounted options for 4"/100 and 5"/127mm O.D.

ELECTRICAL

- Luminaires have UL recognized integral surge protection, and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- Drivers are UL recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC
- 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control
- Driver and surge suppressor are mounted to a prewired tray with quick disconnects that may be removed from the gear compartment
- Surge protection: 10,000k in parallel, 20,000k in series



CONTROLS

- Egress adapter(s) will slip over a 4"/100mm DIA. pole with the luminaire or arm slipping over the adapter to add a total of 4.5"/114mm to the overall height. Adapter(s) are prewired, independently rotatable 359°, and have a cast access cover with an integral lens and lanyard
- Egress adapter will require an auxiliary 120 volt supply for operation of an integral MR16 lamp in the event of emergency. The lamp may be aimed and locked into position with an adjustment range of 15°-45°. Adapter will have a socket that accepts miniature bi-pin MR16 lamps up to 50 watts, lamp by others
- Photocell adapter includes a 7-Pin internal twist lock receptacle. Photocell by others

CERTIFICATIONS

- ETL listed under UL 1598 and CSA C22.2 No. 250.0-08 for wet locations

WARRANTY

- 5 year warranty

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

ORDERING GUIDE

Example: PROV2-36L-325-3K7-4W-BL-SLA1-DF-HS-AD5-UNV

CATALOG # **PROV2-36L-615-27K7-4W-STND-MNT-PCA-T-UNV**

ORDERING GUIDE

HOUSING

PROV2									
Housing	LED Quantity	Lumen output		CCT/CRI		Distribution		Finish	
PROV2 Providence Medium 2.0	36L 36 LED	295	450mA Microcore Equivalent	AMB	Amber-595nm Peak ¹	1	Type I	BLS	Black Gloss Smooth
		325	325mA, 4500 Lumens	27K7	2700K, 70 CRI	2	Type II	BLT	Black Matte Textured
		510	510mA, 6500 Lumens	3K7	3000K, 70 CRI	3	Type III	DBS	Dark Bronze Gloss Smooth
		525	700mA Microcore Equivalent	35K7	3500K, 70 CRI	4W	Type IV Wide	DBT	Dark Bronze Matte Textured
		615	615mA, 7500 Lumens	4K7	4000K, 70 CRI	5Q	Type V Square	GTT	Graphite Matte Textured
				5K7	5000K, 70 CRI	5W	Type V Wide	LGS	Light Grey Gloss Smooth
				27K8	2700K, 80 CRI			LGT	Light Grey Matte Textured
				3K8	3000K, 80 CRI			PSS	Platinum Silver Gloss Smooth
				35K8	3500K, 80 CRI			VGT	Verde Green Matte Textured
				4K8	4000K, 80 CRI			WHS	White Gloss Smooth
				5K8	5000K, 80 CRI			WHT	White Matte Textured
				27K9	2700K, 90 CRI			Color Option	
				3K9	3000K, 90 CRI			CC ⁴	Custom Color
				35K9	3500K, 90 CRI			CLA-A ³	Clear Anodize
				4K9	4000K, 90 CRI				
				5K9	5000K, 90 CRI				

Mounting		Optional Lens		Options		Mounting Options		Voltage	
Pole Mount		CL	Clear Lens	HS	House Side Shield ³	AD5 ⁵	Adaptor-5" OD Pole	UNV	120-277V
STND_MNT ⁶	Standard Mount	DL	Diffused Lens ²	PFN	Brass Colored Finial	PCA-C ⁵	Photocontrol Adapter		
PT23	2 3/8" tenon			SPK	Cast Spikes		Contemporary, not for Wall Mount.		
PT3	3" tenon			BPS	Brass Colored Struts	PCA-T ⁵	Traditional Photocell Adapter, not for Wall Mount. Photocell by others.		
Arm Mount				SF	Single Fuse (120, 277, 347)				
SLA1				DF	Double Fuse (208, 240, 480)				
TRA5U-4	4" pole								
TRA6U-4	4" pole								
TRA55-4	4" pole								
TRA56-4	4" pole								
TRA5U-5	5" pole								
TRA6U-5	5" pole								
TRA55-5	5" pole								
TRA56-5	5" pole								
Wall Mount									
WMA55	Wall Mount								
WMA56	Wall Mount								

Current Control Solutions — Accessories (Sold Separately)

☐ SCP Sensor Control Programmable ([view product page](#))

Pole accessory is available to provide occupancy detection for outdoor applications meeting California Title 24

For additional information related to these accessories please visit [currentlighting.com](#). Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

Notes:

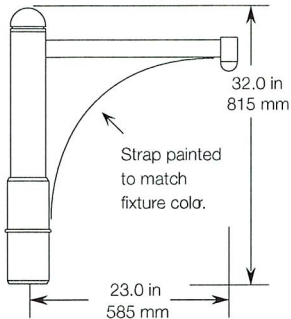
- Turtle friendly
- Diffused Lens is available only with T3 and T5W distribution
- House side Shield is available only with T1, T2, T3 and T4W distributions
- Recommended for harsh environment, salt spray 3,000 hours rated
- [See accessories for more information](#)
- Slips over 4"OD Pole

MOUNTING

Pole Top Mount Arm

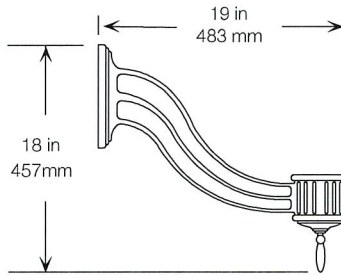
SLA 1

Single arm, slips over 4" pole
WEIGHT: 12 LBS. EPA: 1.09



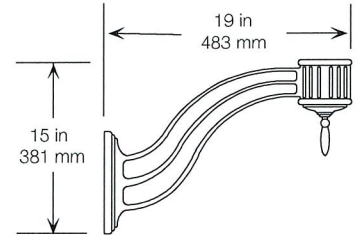
TRA 5U

WEIGHT: 9 LBS. EPA: .62



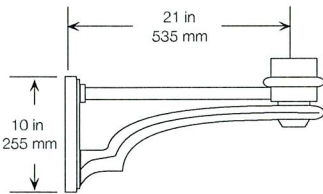
TRA 6U

WEIGHT: 9 LBS. EPA: .62



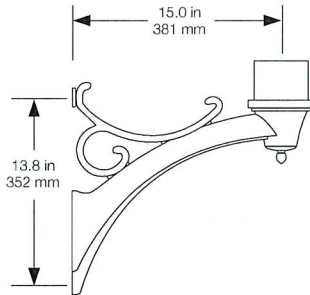
TRA 55

WEIGHT: 10 LBS. EPA: .67



TRA 56

WEIGHT: 8 LBS. EPA: .54

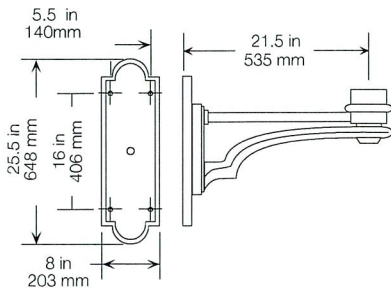


Wall Arm



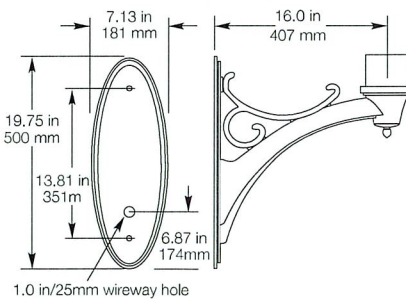
WMA 55

WEIGHT: 10 LBS.



WMA 56

WEIGHT: 10 LBS.



TRA 55 & WMA 55
WE ARE WANTING ONE
OF THESE TWO OPTIONS FOR
OUR POLES ON CHESTER ST.
WATER ST. AND CALMA
VA HALL.

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DELIVERED LUMENS

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
36	295	450mA Microcore Equivalent	None	1	3807	1	0	1	111.6	3960	1	0	1	116.1	4128	1	0	1	121.0
				2	3596	1	0	1	105.4	3740	1	0	1	109.7	3899	1	0	1	114.3
				3	3471	1	0	1	101.8	3611	1	0	1	105.9	3764	1	0	1	110.4
				4W	3501	1	0	1	102.7	3642	1	0	1	106.8	3796	1	0	1	111.3
				1-HS	2355	0	0	1	69.1	2450	0	0	1	71.8	2554	0	0	1	74.9
				2-HS	2049	0	0	1	60.1	2132	0	0	1	62.5	2222	0	0	1	65.2
				3-HS	1981	0	0	1	58.1	2061	0	0	1	60.4	2148	0	0	1	63.0
				4W-HS	2044	0	0	1	59.9	2126	0	0	1	62.3	2216	0	0	1	65.0
				5Q	3818	2	0	1	112.0	3971	2	0	1	116.5	4140	2	0	1	121.4
				5W	3529	2	0	1	103.5	3670	2	0	1	107.6	3826	2	0	1	112.2
			Clear	1-CL	3242	1	0	1	95.0	3373	1	0	1	98.8	3516	1	0	1	103.0
				2-CL	3062	1	0	1	89.7	3186	1	0	1	93.3	3321	1	0	1	97.3
				3-CL	2957	1	0	1	86.6	3075	1	0	1	90.1	3206	1	0	1	93.9
				4W-CL	2982	1	0	1	87.4	3102	1	0	1	90.9	3233	1	0	1	94.7
				1-CL-HS	2006	0	0	1	58.8	2087	0	0	1	61.1	2175	0	0	1	63.7
				2-CL-HS	1746	0	0	1	51.1	1816	0	0	1	53.2	1893	0	0	1	55.5
				3-CL-HS	1688	0	0	1	49.4	1755	0	0	1	51.4	1830	0	0	1	53.6
				4W-CL-HS	1740	0	0	1	51.0	1810	0	0	1	53.0	1887	0	0	1	55.3
				5Q-CL	3252	2	0	1	95.3	3382	2	0	1	99.1	3526	2	0	1	103.3
				5W-CL	3005	2	0	1	88.1	3126	2	0	1	91.6	3259	2	0	1	95.5
			Diffused	3-DL	2243	1	0	1	65.8	2334	1	0	1	68.4	2433	1	0	1	71.3
				5W-DL	2280	1	0	1	66.9	2372	1	0	1	69.6	2473	1	0	1	72.5
	325	4500	None	1	4147	1	0	1	110	4313	1	0	1	114	4496	1	0	1	118.9
				2	3917	1	0	1	104	4074	1	0	1	108	4247	1	0	1	112.3
				3	3781	1	0	1	100	3933	1	0	1	104	4100	1	0	1	108.4
				4W	3813	1	0	1	101	3967	1	0	2	105	4135	1	0	2	109.3
				1-HS	2566	0	0	1	68	2669	0	0	1	71	2782	0	0	1	73.6
				2-HS	2232	0	0	1	59	2322	0	0	1	61	2421	0	0	1	64.0
				3-HS	2158	0	0	1	57	2245	0	0	1	59	2340	0	0	1	61.9
				4W-HS	2226	0	0	1	59	2315	0	0	1	61	2414	0	0	1	63.8
				5Q	4158	2	0	1	110	4326	2	0	1	114	4509	2	0	1	119.2
				5W	3844	2	0	1	102	3998	2	0	1	106	4168	3	0	1	110.2
			Clear	1-CL	3532	1	0	1	93.4	3674	1	0	1	97.1	3829	1	0	1	101.3
				2-CL	3336	1	0	1	88.2	3470	1	0	1	91.7	3617	1	0	1	95.6
				3-CL	3220	1	0	1	85.2	3350	1	0	1	88.6	3492	1	0	1	92.3
				4W-CL	3248	1	0	1	85.9	3379	1	0	1	89.3	3522	1	0	1	93.1
				1-CL-HS	2185	0	0	1	57.8	2273	0	0	1	60.1	2369	0	0	1	62.6
				2-CL-HS	1901	0	0	1	50.3	1978	0	0	1	52.3	2062	0	0	1	54.5
				3-CL-HS	1838	0	0	1	48.6	1912	0	0	1	50.6	1993	0	0	1	52.7
				4W-CL-HS	1896	0	0	1	50.1	1972	0	0	1	52.1	2056	0	0	1	54.4
				5Q-CL	3542	2	0	1	93.6	3684	2	0	1	97.4	3840	2	0	1	101.5
				5W-CL	3274	2	0	1	86.6	3405	2	0	1	90.0	3550	2	0	1	93.9
			Diffused	3-DL	2459	1	0	1	65.0	2558	1	0	1	67.7	2666	1	0	1	70.7
				5W-DL	2469	1	0	1	65.3	2568	1	0	1	67.9	2677	1	0	1	70.9

DELIVERED LUMENS (CONTINUED)

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
36	510	6500	None	1	6081	1	0	1	104.1	6326	1	0	1	108	6594	1	0	1	113
				2	5744	1	0	1	98.3	5975	1	0	1	102	6228	1	0	1	107
				3	5545	1	0	2	94.9	5768	1	0	2	99	6013	1	0	2	103
				4W	5593	1	0	2	95.7	5818	1	0	2	100	6064	1	0	2	104
				1-HS	3763	0	0	1	64.4	3914	0	0	1	67	4080	0	0	1	70
				2-HS	3274	0	0	1	56.1	3406	0	0	1	58	3550	0	0	1	61
				3-HS	3165	0	0	1	54.2	3292	0	0	1	56	3432	0	0	1	59
				4W-HS	3265	0	0	1	55.9	3396	0	0	1	58	3540	0	0	1	61
				5Q	6099	2	0	1	104.4	6344	2	0	1	109	6613	3	0	1	113
				5W	5637	3	0	1	96.5	5864	3	0	1	100	6112	3	0	1	105
			Clear	1-CL	5180	1	0	1	88.7	5388	1	0	1	92.2	5616	1	0	1	96.2
				2-CL	4892	1	0	1	83.8	5089	1	0	1	87.1	5305	1	0	1	90.8
				3-CL	4723	1	0	1	80.9	4913	1	0	1	84.1	5121	1	0	1	87.7
				4W-CL	4763	1	0	2	81.6	4955	1	0	2	84.8	5165	1	0	2	88.4
				1-CL-HS	3205	0	0	1	54.9	3334	0	0	1	57.1	3475	0	0	1	59.5
				2-CL-HS	2788	0	0	1	47.7	2901	0	0	1	49.7	3024	0	0	1	51.8
				3-CL-HS	2696	0	0	1	46.2	2804	0	0	1	48.0	2923	0	0	1	50.0
				4W-CL-HS	2780	0	0	1	47.6	2892	0	0	1	49.5	3015	0	0	1	51.6
				5Q-CL	5194	2	0	1	88.9	5403	2	0	1	92.5	5632	2	0	1	96.4
				5W-CL	4801	3	0	1	82.2	4994	3	0	1	85.5	5206	3	0	1	89.1
			Diffused	3-DL	3584	1	0	1	61.4	3728	1	0	1	63.8	3886	1	0	1	66.5
				5W-DL	3615	2	0	1	61.9	3760	2	0	1	64.4	3919	2	0	1	67.1
	525	700mA Microcore Equivalent	None	1	6235	1	0	1	103.6	6486	1	0	1	107.7	6761	1	0	1	112.3
				2	5889	1	0	1	97.8	6126	1	0	1	101.8	6386	1	0	1	106.1
				3	5686	1	0	2	94.4	5914	1	0	2	98.2	6165	1	0	2	102.4
				4W	5734	1	0	2	95.3	5965	1	0	2	99.1	6218	1	0	2	103.3
				1-HS	3858	0	0	1	64.1	4013	0	0	1	66.7	4183	0	0	1	69.5
				2-HS	3357	0	0	1	55.8	3492	0	0	1	58.0	3640	0	0	1	60.5
				3-HS	3245	0	0	1	53.9	3376	0	0	1	56.1	3519	0	0	1	58.5
				4W-HS	3347	0	0	1	55.6	3482	0	0	1	57.8	3629	1	0	1	60.3
				5Q	6253	2	0	1	103.9	6504	2	0	1	108.0	6780	3	0	1	112.6
				5W	5779	3	0	1	96.0	6012	3	0	1	99.9	6267	3	0	1	104.1
			Clear	1-CL	5311	1	0	1	88.2	5524	1	0	1	91.8	5758	1	0	1	95.7
				2-CL	5016	1	0	1	83.3	5218	1	0	1	86.7	5439	1	0	1	90.3
				3-CL	4842	1	0	1	80.4	5037	1	0	2	83.7	5251	1	0	2	87.2
				4W-CL	4884	1	0	2	81.1	5080	1	0	2	84.4	5296	1	0	2	88.0
				1-CL-HS	3286	0	0	1	54.6	3418	0	0	1	56.8	3563	0	0	1	59.2
				2-CL-HS	2859	0	0	1	47.5	2974	0	0	1	49.4	3100	0	0	1	51.5
				3-CL-HS	2764	0	0	1	45.9	2875	0	0	1	47.8	2997	0	0	1	49.8
				4W-CL-HS	2851	0	0	1	47.4	2965	0	0	1	49.3	3091	0	0	1	51.3
				5Q-CL	5326	2	0	1	88.5	5540	2	0	1	92.0	5775	2	0	1	95.9
				5W-CL	4922	3	0	1	81.8	5120	3	0	1	85.1	5337	3	0	1	88.7
			Diffused	3-DL	3675	1	0	1	61.0	3822	1	0	1	63.5	3984	1	0	1	66.2
				5W-DL	3735	2	0	1	62.0	3885	2	0	1	64.5	4050	2	0	1	67.3

DELIVERED LUMENS (CONTINUED)

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
36	615	7500	None	1	7118	1	0	1	101.3	7404	1	0	1	105.4	7718	1	0	1	109.9
				2	6723	1	0	1	95.7	6994	1	0	2	99.6	7290	1	0	2	103.8
				3	6491	1	0	2	92.4	6752	1	0	2	96.1	7038	1	0	2	100.2
				4W	6546	1	0	2	93.2	6809	1	0	2	96.9	7098	1	0	2	101.0
				1-HS	4404	0	0	1	62.7	4581	0	0	1	65.2	4775	0	0	1	68.0
				2-HS	3832	0	0	1	54.5	3986	0	0	1	56.7	4155	0	0	1	59.1
				3-HS	3705	0	0	1	52.7	3854	0	0	1	54.9	4017	0	0	1	57.2
				4W-HS	3821	1	0	1	54.4	3975	1	0	1	56.6	4143	1	0	1	59.0
				5Q	7138	3	0	1	101.6	7425	3	0	1	105.7	7740	3	0	1	110.2
			Clear	5W	6598	3	0	1	93.9	6863	3	0	1	97.7	7154	3	0	1	101.8
				1-CL	6063	1	0	1	86.3	6306	1	0	1	89.8	6574	1	0	1	93.6
				2-CL	5726	1	0	1	81.5	5956	1	0	1	84.8	6209	1	0	1	88.4
				3-CL	5528	1	0	1	78.7	5750	1	0	1	81.9	5994	1	0	2	85.3
				4W-CL	5575	1	0	2	79.4	5800	1	0	2	82.6	6045	1	0	2	86.1
				1-CL-HS	3751	0	0	1	53.4	3902	0	0	1	55.5	4067	0	0	1	57.9
				2-CL-HS	3264	0	0	1	46.5	3395	0	0	1	48.3	3539	0	0	1	50.4
				3-CL-HS	3155	0	0	1	44.9	3282	0	0	1	46.7	3421	0	0	1	48.7
				4W-CL-HS	3254	0	0	1	46.3	3385	0	0	1	48.2	3529	0	0	1	50.2
			Diffused	5Q-CL	6080	2	0	1	86.5	6324	2	0	1	90.0	6592	2	0	1	93.8
				5W-CL	5619	3	0	1	80.0	5845	3	0	1	83.2	6093	3	0	1	86.7
				3-DL	4195	1	0	1	59.7	4364	1	0	1	62.1	4549	1	0	1	64.7
				5W-DL	4264	2	0	1	60.7	4436	2	0	1	63.1	4624	2	0	1	65.8

PHOTOMETRY

PROV2-36L-615-4K7-1

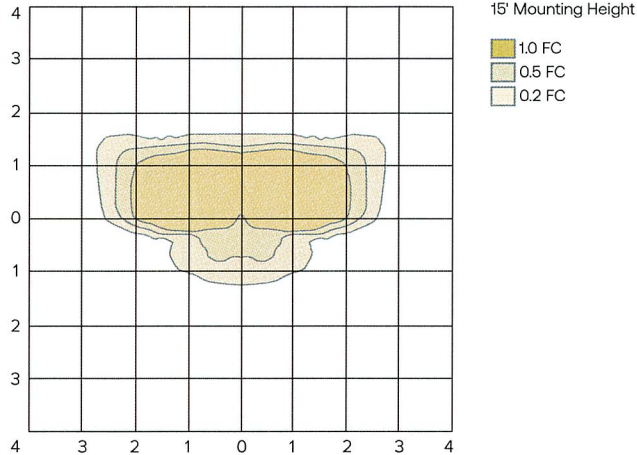
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	7405
Watts	70.25
Efficacy	105.4
IES Type	II
BUG Rating	B1-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	6403	86%
Downward House Side	1002	14%
Downward Total	7405	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	7405	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-2

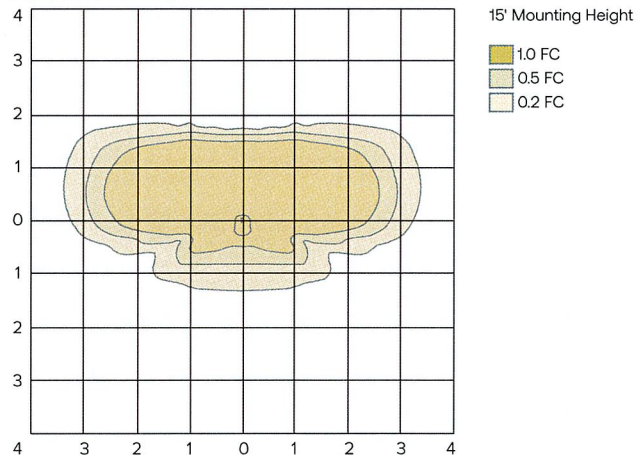
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6994
Watts	70.25
Efficacy	99.6
IES Type	II
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5665	81%
Downward House Side	1329	19%
Downward Total	6994	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6994	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-3

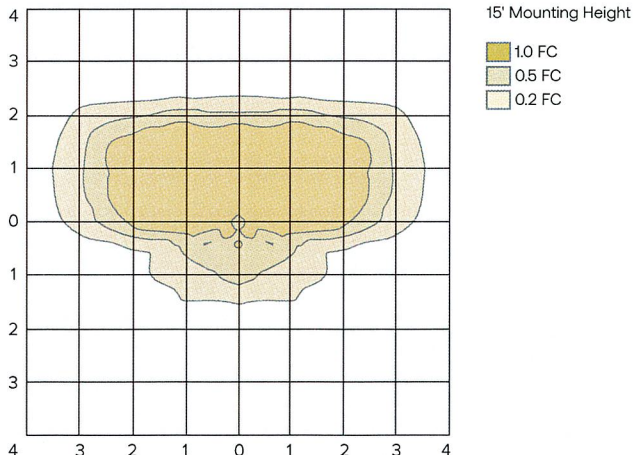
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6752
Watts	70.25
Efficacy	96.1
IES Type	III
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5552	82%
Downward House Side	1200	18%
Downward Total	6752	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6752	100%

ISOFOOT CANDLE PLOT



PHOTOMETRY

PROV2-36L-615-4K7-4W

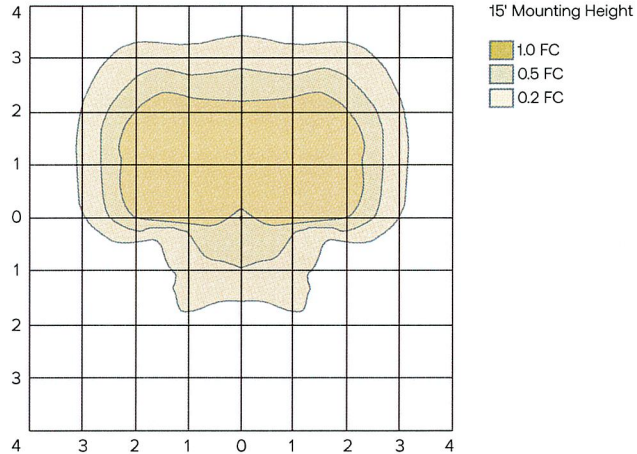
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6809
Watts	70.25
Efficacy	96.9
IES Type	IV Wide
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5802	85%
Downward House Side	1007	15%
Downward Total	6809	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6809	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-5Q

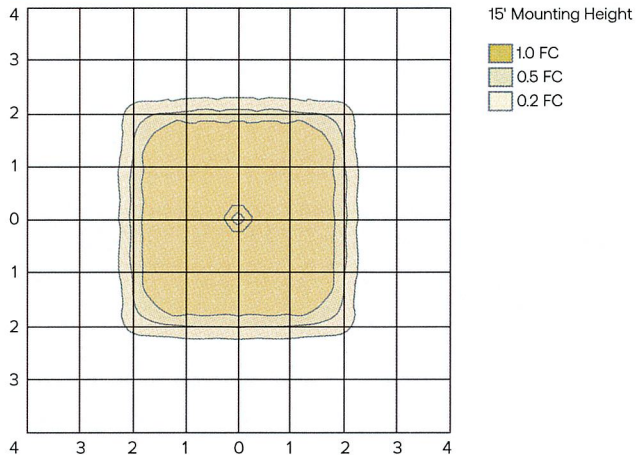
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	7425
Watts	70.25
Efficacy	105.7
IES Type	VS
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3713	50%
Downward House Side	3713	50%
Downward Total	7425	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	7425	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-5W

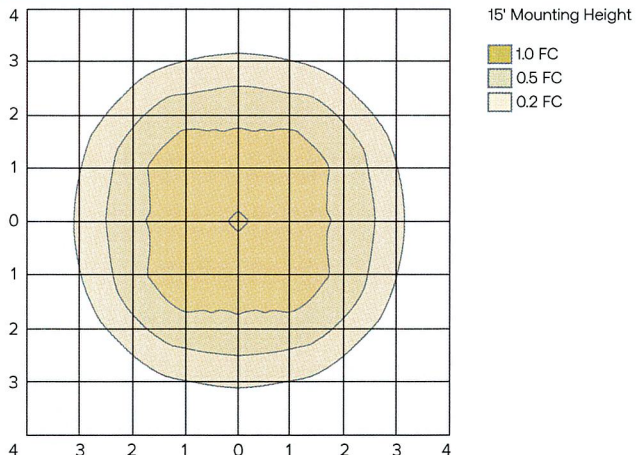
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6863
Watts	70.25
Efficacy	97.7
IES Type	VS
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

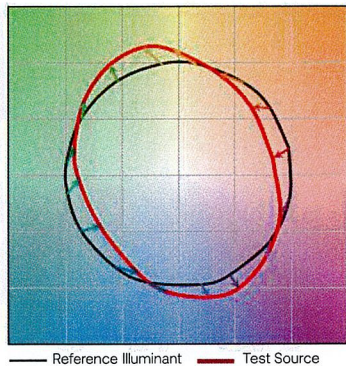
Zone	Lumens	% Luminaire
Downward Street Side	3432	50%
Downward House Side	3432	50%
Downward Total	6863	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6863	100%

ISOFOOT CANDLE PLOT



TM-30 DATA

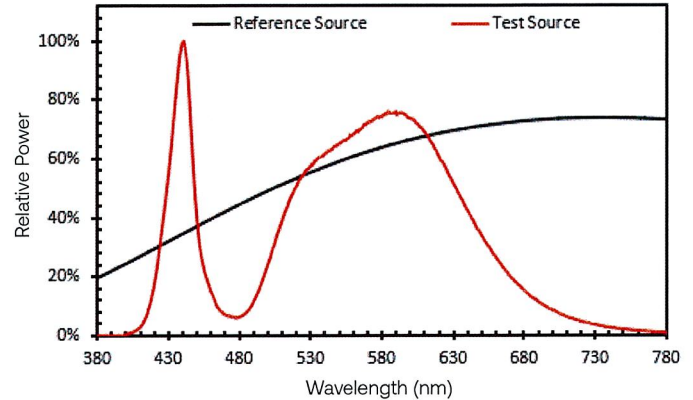
COLOR VECTOR GRAPHIC



TEST SOURCE

MBM TEST RESULTS	
CCT (K)	3947
CIE Ra	72
Duv	0.0004
x	0.3831
y	0.3793
Rf	68
Rg	99

SPECTRAL POWER DISTRIBUTION COMPARISON



ELECTRICAL DATA

Electrical										Dimming					
Light Engine	System Current	System Watts	Line Voltage		Amps AC				Min. Power Factor	Max THD (%)	Dimming Range	Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
			VAC	HZ	120	208	240	277				Min	Max	Min	Max
36	295 mA	34.1	120-277	50/60	0.28	0.16	0.14	0.12	>0.9	20	10% to 100%	0mA	1mA	0V	10V
	325 mA	37.8			0.32	0.18	0.16	0.14							
	510 mA	58.4			0.49	0.28	0.24	0.21							
	525 mA	60.2			0.50	0.29	0.25	0.22							
	615 mA	70.3			0.59	0.34	0.29	0.25							

TM-21 LIFETIME CALCULATION - PROJECTED LUMEN MAINTENANCE (25°C / 77°F)						
HOURS	0	25,000	36,000	50,000	100,000	REPORTED L70
Projected Lumen Maintenance	100%	98.0%	96.9%	95.4%	90.5%	> 60,000

STRIKE LUMEN MULTIPLIER			
CCT	70 CRI	80 CRI	90 CRI
2700K	0.9	0.81	0.62
3000K	0.933	0.853	0.659
3500K	0.959	0.894	0.711
4000K	1	0.9	0.732
5000K	1	0.9	0.732
MONOCHROMATIC AMBER MULTIPLIER			
Amber	0.255		

DIMENSIONS

