

May 21, 2018

Ms. Amanda Lessard, Planner

Town of Windham 8 School Road Windham, ME 04062

Subject: RSU 14 Gravel Parking Lot Project – Windham, ME

Site Plan Amendment

Dear Ms. Lessard:

On behalf of RSU 14, Stantec is pleased to submit a Site Plan Amendment and associated project drawings for the Gravel Parking Lot Project at the Windham RSU 14 School Campus. This letter is accompanied by the following supporting materials:

- Five (5) Copies of the Cover Letter, Application Form, and Light Cut Sheet
- Five (5) 11x17 Sized Project Drawing Plan Sets
- One (1) CD including PDF files of the Project Drawings

The gravel parking lot will initially provide parking for 22 buses while the Public Works Facility (which currently provides bus parking space) is under construction and the gravel lot will ultimately provide vehicle parking for athletic events.

The project elements will include:

- A Gravel Parking Lot
- Paved Access Drive Apron
- Site Grading and Landscaping
- Water Quality Filter to meet MeDEP Chapter 500 Standards

The MeDEP permit for this project was previously obtained and is on file with the Planning Department.

RSU 14 has budgeted funding in the 2018-2019 budget to complete this project which is estimated at:

| Gravel Lot and Paved Drive | \$ 80,000 |
|----------------------------|-----------|
| Water Quality Filter | \$ 15,000 |
| Lighting | \$ 50,000 |
| | \$145,000 |



Ms. Amanda Lessard May 21, 2018 Page 2

If you have any questions with regards to the information submitted, please contact our office.

Regards,

STANTEC CONSULTING SERVICES INC.

Dwight D. Anderson, P.E.

Project Manager

Phone: (207) 887-3438 Fax: (207) 883-3376

dwight.anderson@stantec.com

Enclosures listed above

c: Bill Hansen – RSU 14

 $V:\ 1953\ active \ 195350302\ Admin\ Permitting\ local\ amendment\ let_less ard\ 2018.05.21. docx$

TOWN OF WINDHAM MAJOR SITE PLAN APPLICATION

Final Plan

(Section 811 – Site Plan Review, Submission Requirements)

The original signed copy of this application must be accompanied by:

- The required application and review escrow fees,
- Five (5) collated submission packets, which must include
 - o Full size paper copies of each plan, map, or drawing, and
 - o A bound copy of the required information found in Section 811 of the Land Use Ordinance.
 - The checklist below offers a brief description of these requirements for the purpose of determining the completeness of a submission. Please use the Ordinance for assembling the submission packets.
 - Only two (2) full copies of Stormwater Management Plan and Traffic Impact Study are required. Summaries and conclusions of the Stormwater Management Plan and Traffic Impact Study are adequate for the remaining three (3) submission packets.
- Electronic submission in PDF format of:
 - All plans, maps, and drawings.
 - These may be submitted as a single PDF file or a PDF for each sheet in the plan set.
 - A PDF of the required information found in Section 811 of the Land Use Ordinance

The submission deadline for Final plans is three (3) weeks before the Planning Board meeting for which it will be scheduled.

Applicants are strongly encouraged to schedule a brief submission meeting with Planning Staff, to walk through the application checklist at the time a Planning Board submission is made. This will allow applicants to receive a determination of completeness, or a punch list of outstanding items, at the time a submission is made.

If you have questions about the submission requirements, please contact:

Windham Planning Department
Amanda Lessard, Planner
Ben Smith, Planning Director

(207) 894-5960, ext. 2

allessard@windhammaine.us
bwsmith@windhammaine.us

Final Plan - Major Site Plan

| Project Name: RSU 14 Gravel Parking Lot Project |
|--|
| Tax Map:12 Lot:25 |
| Estimated square footage of building(s): N/A |
| If no buildings proposed, estimated square footage of total development: |
| Is the total disturbance proposed > 1 acre? □ Yes ⋈ No |
| Contact Information 1. Applicant |
| Name: RSU 14 - William H. Hansen, P.E. |
| Mailing Address: 228 Windham Center Road, Windham, ME 04062 |
| Telephone: _207-892-1800 |
| 2. Record owner of property |
| _X (Check here if same as applicant) |
| Name: |
| Mailing Address: |
| Telephone: Fax: E-mail: |
| 3. Contact Person/Agent (if completed and signed by applicant's agent, provide written documentation of authority to act on behalf of applicant) Name: Dwight D. Anderson, P.E. |
| Company Name: Stantec Consulting Services Inc. |
| Mailing Address: 482 Payne Road, Scarborough, ME 04074 |
| Telephone: 207-883-3355 Fax: 207-883-3376 E-mail: dwight.anderson@stantec.com |
| I certify all the information in this application form and accompanying materials is true and accurate to the best |
| of my knowledge. |
| A/A D. a. May 21, 2018 |
| Signature Date |

| Final F | Plan - Major Site Plan: Submission Requirements | Applicant | Staff |
|---------|--|-------------------|-------|
| a. | Complete Sketch Plan Application form | X | |
| b. | Evidence of payment of application and escrow fees | N/A | |
| C. | Written information - submitted in bound report | | |
| 1 | A narrative describing the proposed use or activity | Х | |
| 2 | Name, address, & phone number of record owner, and applicant if different | Х | |
| 3 | Names and addresses of all abutting property owners | On File | |
| 4 | Documentation demonstrating right, title, or interest in property | Х | |
| 5 | Copies of existing proposed covenants or deed restrictions | On File | |
| 6 | Copies of existing or proposed easements on the property | On File | |
| 7 | Name, registration number, and seal of the licensed professional who prepared the plan, if applicable | Х | |
| 8 | Evidence of applicant's technical capability to carry out the project | Х | |
| 9 | Assessment of the adequacy of any existing sewer and water mains, culverts and drains, on-site sewage disposal systems, wells, underground tanks or installations, and power and telephone lines and poles on the property | х | |
| 10 | Estimated demand for water supply and sewage disposal | N/A | |
| 11 | Provisions for handling all solid wastes, including hazardous and special wastes | N/A | |
| 12 | Detail sheets of proposed light fixtures | Х | |
| 13 | Listing of proposed trees or shrubs to be used for landscaping | TBD | |
| 14 | Estimate weekday AM and PM and Saturday peak hour and daily traffic to be generated by the project | N/A | |
| 15 | Description of important or unique natural areas and site features, including floodplains, deer wintering areas, significant wildlife habitats, fisheries, scenic areas, habitat for rare and endangered plants and animals, unique natural communities and natural areas, sand and gravel aquifers, and historic and/or archeological resources | N/A | |
| 16 | If the project requires a stormwater permit from MaineDEP or if the Planning Board or if the Staff Review Committee determines that such information is required, submit the following: | Permit On File | |
| | stormwater calculations | MeDEP | |
| | erosion and sedimentation control measures | Х | |
| | water quality and/or phosphorous export management provisions | Х | |
| 17 | If public water or sewerage will be utilized, provide statement from utility district regarding the adequacy of water supply in terms of quantity and pressure for both domestic and fire flows, and the capacity of the sewer system to accommodate additional wastewater. | N/A | |
| 18 | Financial Capacity | | |
| | i. Estimated costs of development and itemize estimated major expenses | Х | |
| | ii. Financing (submit one of the following) | | |
| | a. Letter of commitment to fund | From RSU | 14 |

| | b. Self-financing | | |
|-------|--|--------------------|--|
| | Annual corporate report | | |
| | 2. Bank Statement | | |
| | c. Other | | |
| | 1. Cash equity commitment of 20% of total cost of development | | |
| | 2. Financial plan for remaining financing | | |
| | 3. Letter from institution indicating intent to finance | | |
| | iii. If a registered corporation a Certificate of Good Standing from: | | |
| | Secretary of State, or | | |
| | statement signed by corporate officer | | |
| 19 | Technical Capacity (address both) | | |
| | i. Prior experience | Х | |
| | ii. Personnel | Х | |
| d. | Plan Requirements - Existing Conditions | | |
| i. | Location Map adequate to locate project within the municipality | Х | |
| ii. | Vicinity Plan. Drawn to scale of not over 400 feet to the inch, and showing area within 250 feet of the property line, and shall show the following: | Boundary Survey | |
| | a. Approximate location of all property lines and acreage of parcels | On File | |
| | b. Locations, widths and names of existing, filed or proposed streets, easements or building footprints | х | |
| | c. Location and designations of any public spaces | N/A | |
| | d. Outline of proposed subdivision, together with its street system and an indication of the future probable street system of the remaining portion of the tract | N/A | |
| iii. | North Arrow identifying Grid North; Magnetic North with the declination between Grid and Magnetic; and whether Magnetic or Grid bearings were used | х | |
| iv. | Location of all required building setbacks, yards, and buffers | Х | |
| V. | Boundaries of all contiguous property under the total or partial control of the owner or applicant | Boundary Survey | |
| vi. | Tax map and lot number of the parcel or parcels on which the project is located | Х | |
| vii. | Zoning classification(s), including overlay and/or subdistricts, of the property and the location of zoning district boundaries if the property is located in 2 or more districts or abuts a different district. | x | |
| viii. | Bearings and lengths of all property lines of the property to be developed, and the stamp of the surveyor that performed the survey. | Boundary Survey | |
| ix. | Existing topography of the site at 2-foot contour intervals | Х | |
| X. | Location and size of any existing sewer and water mains, culvers and drains, on-site sewage disposal systems, wells, underground tanks or installations, and power and telephone lines and poles on the property and on abutting streets or land that may serve the development. | х | |
| xi. | Location, names, and present widths of existing public and/or private streets and rights-of way within or adjacent to the proposed development | Х | |
| xii. | Location, dimensions, and ground floor elevation of all existing buildings | N/A | |

| xiii. | Location and dimensions of existing driveways, parking and loading areas, walkways, and sidewalks on or adjacent to the site. | Х | |
|-------|---|--------------|-------|
| xiv. | Location of intersecting roads or driveways within 200 feet of the site. | Х | |
| XV. | Location of the following: | | |
| | a. Open drainage courses | Х | |
| | b. Wetlands | Х | |
| | c. Stone walls | N/A | |
| | d. Graveyards | N/A | |
| | e. Fences | N/A | |
| | f. Stands of trees or treeline, and | Х | |
| | g. Other important or unique natural areas and site features, including but not limited to, floodplains, deer wintering areas, significant wildlife habitats, fisheries, scenic areas, habitat for rare and endangered plants and animals, unique natural communities and natural areas, sand and gravel aquifers, and historic and/or archaeological resources | х | |
| ιί. | Direction of existing surface water drainage across the site | Х | |
| vii. | Location, front view, dimensions, and lighting of existing signs | N/A | |
| viii. | Location & dimensions of existing easements that encumber or benefit the site | N/A | |
| κix. | Location of the nearest fire hydrant, dry hydrant, or other water supply | Boundary \$ι | ırvey |
| | Plan Requirements - Proposed Development Activity | | |
| i. | Location and dimensions of all provisions for water supply and wastewater disposal, and evidence of their adequacy for the proposed use, including soils test pit data if on-site sewage disposal is proposed | N/A | |
| ii. | Grading plan showing the proposed topography of the site at 2-foot contour intervals | Х | |
| iii. | Direction of proposed surface water drainage across the site and from the site, with an assessment of impacts on downstream properties. | N/A | |
| iv. | Location and proposed screening of any on-site collection or storage facilities | N/A | |
| V. | Location, dimensions, and materials to be used in the construction of proposed driveways, parking and loading areas, and walkways, and any changes in traffic flow onto or off-site | x | |
| vi. | Proposed landscaping and buffering | Х | |
| vii. | Location, dimensions, and ground floor elevation of all buildings or expansions | N/A | |
| ∕iii. | Location, front view, materials and dimensions of proposed signs together with method for securing sign | N/A | |
| ix. | Location and type of exterior lighting. Photometric plan to demonstrate coverage area of all lighting may be required by Planning Board. | x | |
| Х. | Location of all utilities, including fire protection systems | Х | |
| xi. | Approval block: Provide space on the plan drawing for the following words, "Approved: Town of Windham Planning Board" along with space for signatures and date | х | |

| 2. | Major Final Site Plan Requirements | |
|----|--|-----------------|
| a. | Narrative and/or plan describing how the proposed development plan relates to the sketch plan | Cover Letter |
| b. | Stormwater drainage and erosion control program showing: | Х |
| | 1. Existing and proposed method of handling stormwater runoff | x |
| | 2. Direction of the flow of the runoff, through the use of arrows and a description of the type of flow (e.g. sheet flow, concentrated flow, etc.) | Х |
| | Location, elevation, and size of all catch basins, dry wells, drainage ditches, swales, retention basins, and storm sewers | Х |
| | 4. Engineering calculations used to determine drainage requirements based on the 25-year, 24-hour storm frequency. | MeDEP |
| | Methods of minimizing erosion and controlling sedimentation during and after construction. | Х |
| C. | A groundwater impact analysis prepared by a groundwater hydrologist for projects involving on-site water supply or sewage disposal facilities with a capacity of 2,000 gallons or more per day | N/A |
| d. | Name, registration number, and seal of the Maine Licensed Professional Architect, Engineer, Surveyor, Landscape Architect and/or similar professional who prepared the plan | х |
| e. | A utility plan showing, in addition to provisions for water supply and wastewater disposal, the location and nature of electrical, telephone, cable TV, and any other utility services to be installed on the site | х |
| f. | A planting schedule keyed to the site plan indicating the general varieties and sizes of trees, shrubs, and other vegetation to be planted on the site, as well as information pertaining to provisions that will be made to retain and protect existing trees, shrubs, and other vegetation | TBD |
| g. | Digital transfer of any site plan data to the town (GIS format) | e-mailed |
| h. | A traffic impact study if the project expansion will generate 50 or more trips during the AM or PM peak hour, or if required by the Planning Board | N/A |

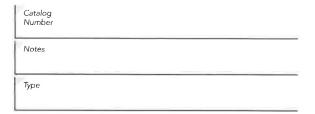
| Electronic Submission | | | |
|-----------------------|--|--|--|
|-----------------------|--|--|--|











OMERO))

Specifications

EPA:

0.9 ft² (0.08 m²)

Length:

32-7/8" (83.5 cm)

Width:

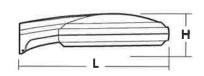
25" (63.5 cm)

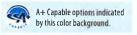
Height:

8-1/4" (21₁0 cm)

Weight (max):

42 lbs (19,1 kg)





4+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM®2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+, visit www.acuitybrands.com/aplus.

- 1. See ordering tree for details.
- A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

Ordering Information

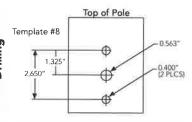
EXAMPLE: MR2 LED 60C 1000 40K T5M MVOLT SPA DDBXD

MR2 LED 60C

| Series | LEDs | | Drive c | urrent | Color tempe | rature | Distrib | ution | Voltage | Mounting Op | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Mounting | | Option | s in the second second | Finish (requ | uired) |
|---------|------|------------|-------------|-------------------|----------------|------------------|----------------------------------|---------------------------------------|--|--|---|--|---|---|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|--------|------------------------|--------------|--------|
| MR2 LED | 600 | 60 LEDs | 700 1000 | 700 mA 1000 mA | 40K 50K | 4000 K 5000 K | T2M T3M T4M T5M TFTM | Type III Type IV Type V Forward throw | MVOLT ¹ 120 ¹ 208 ¹ 240 ¹ 277 ¹ 347 480 | Shipped I SPA RPA WBA Shipped I SPUMBA RPUMBA KMA8 DDBXD U | Square pole mounting Round pole mounting Wall bracket Separately ² Square pole universal mounting adaptor ³ Round pole universal mounting adaptor ³ Mast arm mounting bracket adaptor (specify limish) ⁴ | PER PERS PER7 DCR DMG HS SF DF DS BL30 BL50 | NEMA twist-lock receptacle only (no controls) Five-wire receptacle only (no controls) ² Seven-wire receptacle only (no controls) ³ Dimmable and controllable via ROAM® (no controls) ⁶ 0-10V dimming driver (no controls) House-side shield ² Single fuse (120, 277, 347V) ⁷ Double fuse (208, 240, 480V) ⁷ Dual switching ^{8,9} Bi-level switched dimming, nominal 30% ^{9,70} Bi-level switched dimming, nominal 50% ^{9,70} ed separately ² Vandal guard | DDBXD DBLXD DNAXD DWHXD DDBTXD DBLBXD DNATXD DWHGXD | Dark bronze Black Natural aluminum White Textured dark bronze Textured black Textured natural aluminum Textured white | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Ordering Information



Accessories

DLL127F 1,5 JU DLL347F 1.5 CUL JU DLL480F1,5 CULJU

DSHORT SBK U MR2LEDHS U

MR2VG U

Photocell - SSI twist-lock (120-277V) 11 Photocell - SSL twist-lock (347V) 11 Photocell - SSL twist-lock (480V) 11 Shorting cap

KMA8 DDBXD U PUMBA DDBXD U*

House-side shield (includes 2 shields) Vandal quard accessory Mast arm mounting bracket adaptor (specify finish) Round and square pole universal mounting bracket adaptor (specify finish)

For more control options, visit DTL and ROAM online.

Omero™ shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

| DM19AS | Single unit | DM29A\$ | 2 at 90° * |
|---------|-------------|---------|--------------|
| DM28AS | 2 at 180° | DM39AS | 3 at 90° * |
| 2801180 | A at QNo * | PACEMIT | 3 at 100° ** |

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools

> *Round pole top must be 3.25" O.D. minimum **For round pole mounting (RPA) only.

Tenon Mounting Slipfitter **

| Tenon O.D. | Single Unit | 2 at 180° | 2 at 90° | 3 at 120° | 3 at 90° | 4 at 90° |
|------------|-------------|-----------|-----------|------------|-----------|-----------|
| 2-3/8" | AST20-190 | AST20-280 | N/A | N/A | N/A | N/A |
| 2-7/8 | AST25-190 | AST25-280 | N/A | AST25-320 | N/A | N/A |
| 4" | AST35-190 | AST35-280 | AST35-290 | A\$135-320 | AS135-390 | AST35-490 |

NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options).
- Also available as a separate accessory; see Accessories information at left.
- 1.5 G vibration load rating per ANCI C136.31.
- Requires "SPA" mounting option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included),
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347 or 480V. Add'l hardware and services required for ROAM® deployment; call 1-800-442-6745 or email: sales@roamservices.net. N/A with BL30, BL50, or DS
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 valtage option
- Provides 50/50 luminaire operation via two independent drivers on two separate circuits, N/A with PER or DCR.
- Requires an additional switched line.
- Dimming driver standard, MVOLT only, Not available with DCR,
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here

| 100 married 11 11 11 11 11 11 11 11 11 11 11 11 11 | Drive Current | System | Dist. | | | | | 50K | | | | | | | | | |
|--|------------------|--------|-------|--------|---|----|-----|--------|--------|---|---|-----|--------|---|---|---|-----|
| | (mA) | Watts | Туре | Lumens | 8 | w. | 6 | LPW | Lumens | 1 | U | 6 | LPW | | | | |
| | | | T2M | 14,831 | 2 | 0 | 2 | 112 | 14,924 | 3 | 0 | 3 | 113 | | | | |
| | 700 mA | | T3M | 15,707 | 2 | 0 | 3 | 119 | 15,805 | 3 | 0 | 3 | 120 | | | | |
| | | 132 | T4M | 15,607 | 2 | 0 | 3 | 118 | 15,704 | 2 | 0 | 3 | 119 | | | | |
| | | | T5M | 15,776 | 4 | 0 | 2 | 120 | 15,874 | 4 | 0 | 2 | 120 | | | | |
| | | | TFTM | 15,892 | 2 | 0 | 3 | 120 | 15,992 | 2 | 0 | 3 | 121 | | | | |
| 60C | | | T2M | 20,224 | 3 | 0 | 3 | 98 | 20,350 | 3 | 0 | 3 | 99 | | | | |
| | | | | | | | T3M | 21,418 | 3 | 0 | 3 | 104 | 21,552 | 3 | 0 | 4 | 105 |
| | 1000 mA | 206 | T4M | 21,282 | 3 | 0 | 4 | 103 | 21,415 | 3 | 0 | 4 | 104 | | | | |
| | | | T5M | 21,512 | 5 | 0 | 3 | 104 | 21,647 | 5 | 0 | 3 | 105 | | | | |
| | | | TFTM | 21,671 | 3 | 0 | 3 | 105 | 21,807 | 3 | 0 | 4 | 106 | | | | |

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

| Amt | pient | Lumen Multiplier |
|------|-------|------------------|
| 0°C | 32°F | 1,02 |
| 10°C | 50°F | 1.01 |
| 20°C | 68°F | 1,00 |
| 25°C | 77°F | 1,00 |
| 30°C | 86°F | 1.00 |
| 40°C | 104°F | 0.99 |

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the MR2 LED 60C platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11)

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory

| Operating Hours | 0 | 25,000 | 50,000 | 100,000 | |
|-----------------------------|-----|--------|--------|---------|--|
| Lumen Maintenance Factor | 1.0 | 0.94 | 0.90 | 0.82 | |

Electrical Load

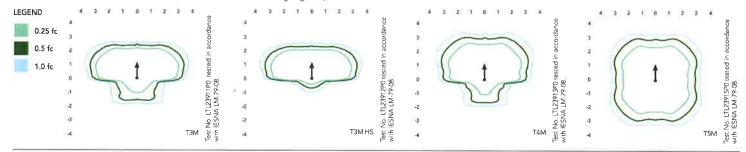
| | | | Current (A) | | | | | |
|-------------------|-----------------------|-----------------|-------------|-------|-------|---------------|-------|-------|
| Number of LEDs | Drive Current (mA) | System Watts | 120V | 208V | 240V | 27 7 V | 347V | 480V |
| 60C | 700 | 132W | 1,321 | 0.756 | 0.659 | 0.580 | 0.462 | 0,337 |
| | 1000 | 206W | 2,068 | 1,198 | 1.056 | 0,943 | 0.764 | 0.605 |



Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's MR2 LED homepage.

Isofootcandle plots for the MR2 LED 60C 1000 40K. Distances are in units of mounting height (20'),



FEATURES & SPECIFICATIONS

INTENDED USE

Highly efficient and long-lasting, the MR2 LED is ideal for parking areas, street lighting, walkways and car lots,

CONSTRUCTION

Single-piece die cast housing has a unique flow-through design that allows for optimized thermal management through convective cooling. A perforated housing prevents debris build-up while allowing natural cleaning of the heat sinks. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver and electronics are thermally isolated from the light engine(s), ensuring long life. Housing is completely sealed against moisture and environmental contaminants. Low EPA (0.9 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC 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. Standard Super Durable colors include dark bronze, black, natural aluminum and white. Available in textured and non-textured finishes.

OPTICS

Precision-molded acrylic lenses provide optimal luminaire spacing and improved uniformity. Lenses are indexed to the circuit board to ensure consistent optical alignment and delivering repeatable photometric performance. Light engines are available in standard 4000 K (67 CRI) or optional 5000 K (67 CRI) configurations. The MR2 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L70), Class 1 electronic driver designed to provide a power factor >90%, THD <20%, with an expected life of 100,000 hours with <1% failure rate, Easily-serviceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2),

INSTALLATION

Integral arm provides easy installation to a pole and assists in alignment and leveling. Secure connection withstands up to 2.0 G vibration load rating per ANSI C136.31. The MR2 utilizes the AERISTM series pole drilling pattern for SPA and RPA options; wall mounting bracket also available.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated, U.S. Patent No. D556,357.

WARRANTY

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

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 $^{\circ}$ C. Specifications subject to change without notice.



