Burlington Development Review Board
Department of Permitting & Inspections
645 Pine Street
Burlington, VT 05401
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AJ LaRosa
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Tuesday, June 16, 2026, 5:00 PM

645 Pine Street, Front Conference Room or Remote on Zoom:
Please click the link below to join the webinar:
Zoom: https://us02web.zoom.us/j/83225696227?pwd=SGQ0bTdnS000Wkc3c2J4WWw1dzMxUT09
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1. Agenda

2. Communications

3. Minutes

4. Public Hearing

4.1. ZP-26-179; 96 Tracy Drive (RL, Ward 4) Zach Wilson
Proposed home occupation for one-on-one or small group personal training (strength, mobility, body mechanics) sessions.

5. Certificate of Appropriateness

5.1. ZP-26-67 / ZP-26-68; 180 / 266 Queen City Park Road (E-LM, Ward 5) Burton Corporation / Will Feltus
Proposed installation, conveyance, and treatment of stormwater improvements across 180 Queen City Park Road and 266 Queen City Park Road with associated site and utility improvements. (Project Manager, Kirk Dressing)

6. Adjournment

7. Informational and Non-Discrimination Statements

The City of Burlington will not tolerate unlawful harassment or discrimination on the basis of political or religious affiliation, race, color, national origin, place of birth, ancestry, age, sex, sexual orientation, gender identity, marital status, veteran status, disability, HIV positive status, crime victim status or genetic information. The City is also committed to providing proper access to services, facilities and employment opportunities. The programs and services of the City of Burlington are accessible to people with disabilities. Individuals who require special arrangements, auxiliary aid, service for effective communication, or a modification of policies or procedures to

participate in a program, service, or activity of the City of Burlington, should contact the office of the Title II Burlington ADA Coordinator at 802-865-7000 as soon as possible but no later than 48 hours before the scheduled event.

Department of Permitting & Inspections
Zoning Division
645 Pine Street
Burlington, VT 05401
Telephone:(802) 865-7188

William Ward, Director
Scott Gustin, AICP, CFM, Principal Planner
Mary O'Neil, AICP, Principal Planner
Kirk Dressing, Associate Planner
Joseph Cava, Permit Technician
Collin Naheedy, Code Compliance Officer

TO: Development Review Board
FROM: Kirk Dressing
DATE: June 16, 2026
RE: ZP-26-179; 96 Tracy Drive

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Zone: RL Ward: 4

Owner/Applicant: Zachary Wilson

Request: Proposed home occupation for one-on-one or small group personal training (strength, mobility, body mechanics) sessions.

Applicable Regulations:
Article 3 (Applications, Permits, & Project Reviews), Article 5 (Citywide General Regulations)

Background Information:
The applicant is requesting approval to establish a one-on-one or small group personal training (strength, mobility, body mechanics) sessions home occupation business. The property is a single detached dwelling unit and is located in a residential zone. The home occupation is subject to conditional use review. No site or exterior building changes are proposed.

There are no previous zoning actions for this property on file.

Recommendation: Approval as per, and subject to, the following findings and conditions:

I. Findings
Article 3: Applications, Permits, and Reviews
Part 5, Conditional Use & Major Impact Review:
Section 3.5.6 (a) Conditional Use Review Standards
Approval shall be granted only if the DRB, after public notice and public hearing, determines that the proposed conditional use and associated development shall not result in an undue adverse effect on each of the following general standards:

1. *Existing or planned public utilities, facilities or services are capable of supporting the proposed use in addition to the existing uses in the area;*

The proposed home occupation is small in scale and will not increase demand on existing or planned public utilities. **(Affirmative finding)**

2. *The character of the area affected as defined by the purpose or purposes of the zoning district(s) within which the project is located, and specifically stated policies and standards of the municipal development plan;*

The subject property is located within the Residential Low Intensity zone and is in a neighborhood characterized predominantly by other single detached dwelling units on similarly sized lots. No exterior changes are proposed for the home occupation, and only one resident employee is proposed. There will be little, if any, evidence of the home occupation as perceived from the neighborhood. **(Affirmative finding)**

3. *The proposed use will not have nuisance impacts from noise, odor, dust, heat, and vibrations greater than typically generated by other permitted uses in the same zoning district;*

Training activities will take place within the existing detached garage. No impacts from noise, dust, heat, or vibrations are anticipated. **(Affirmative finding)**

4. *The transportation system is capable of supporting the proposed use in addition to the existing uses in the area. Evaluation factors include street designations and capacity; level of service and other performance measures; access to arterial roadways; connectivity; transit availability; parking and access; impacts on pedestrian, bicycle and transit circulation; safety for all modes; and adequate transportation demand management strategies;*

Traffic impacts, if any, are expected to be minimal. Just one employee, a resident of the property, will work the home occupation, and no commercial vehicle deliveries are anticipated. The application narrative states there will only ever be a maximum of 2 clients on site for training sessions and there is adequate parking onsite to support this. **(Affirmative finding)**

and,

5. *The utilization of renewable energy resources;*

Nothing within the application will preclude the use of wind, solar, geothermal, or other renewable energy resource. **(Affirmative finding)**

and,

6. *Any standards or factors set forth in existing City bylaws and city and state ordinances**;***

The home occupation will be subject to any applicable city or state requirements. **(Affirmative finding as conditioned)**

Article 5: Citywide General Regulations

Sec. 5.4.6, Home Occupations

Pursuant to the requirements of 24 VSA 4412(4), it is the intent of these regulations to provide for the use of a minor portion of a dwelling unit for a home occupation and to ensure compatibility with other permitted uses and with the residential character of the neighborhood. Such a home occupation must clearly be secondary or incidental to the principal residential use, and so located and conducted that the average neighbor, under normal circumstances, would not otherwise be aware of its existence.

(b) Conditional Use Review:

All home occupations not otherwise eligible for administrative approval above shall require review and approval by the DRB pursuant to the requirements of Art. 3, Part 5. In addition to the conditional use criteria, the following criteria must be met for any home occupation:

1. *A home occupation shall be conducted solely by resident occupants plus no more than one additional full-time equivalent employee in RL districts, and no more than two (2) full-time equivalent employees in other districts. The home occupation shall be conducted entirely within an existing dwelling unit and/or one enclosed accessory structure;*

   The home occupation will be operated solely by one resident occupant. **(Affirmative finding)**

2. *No more than thirty-five per cent (35%) of the floor area of said residence, including accessory structures, up to a maximum of seven hundred fifty (750) square feet, whichever is less, shall be used for such purpose;*

   The home occupation will occupy up to ±308 sf in the detached garage; ±24% of the 1,303 sf total floor area of the dwelling unit. **(Affirmative finding)**

3. *No home occupation shall require alterations, construction or equipment that would change the fire rating of the structure or the fire district in which the structure is located;*

   No construction, equipment or alterations are proposed. **(Affirmative finding)**

4. *There shall be no outside storage of any kind related to the home occupation;*

   No outside storage is proposed. **(Affirmative finding)**

5. *There shall be no exterior evidence of the conduct of a home occupation except for:*

   A. *Occasional garage/lawn/yard type sales (up to twice a year not to exceed two (2) days each);*

      None proposed. **(Affirmative finding)**

      and

   B. *One non-illuminated attached parallel sign that shall not exceed two (2) square feet. No other signs shall be permitted.*

      None proposed. **(Affirmative finding)**

6. *No home occupation may increase vehicular traffic flow or parking by more than one additional vehicle at a time for customers or deliveries. All parking shall be located off-street and shall maintain the required front yard setback;*

   No substantial increase in vehicular traffic flow or parking are proposed. The existing driveway provides off-street parking for at least one vehicle. **(Affirmative finding)**

7. *No home occupation shall create sounds, noise, dust, vibration, smell, smoke, heat, humidity, glare, radiation, electrical interference, fire hazard or any other hazard, nuisance or unsightliness which is discernible from any adjacent dwelling unit;*

   See Sec. 3.5.6 (a) 3 above.

8. *The home occupation shall be clearly incidental and secondary to the use of the dwelling for residential purposes and shall not change the character thereof or adversely affect the uses permitted in the residential district of which it is a part.*

As proposed, the home occupation will be inconsequential to the residential district in which it is located. **(Affirmative finding)**

9. *Delivery of products and materials related to the home occupation by vehicles other than automobiles shall occur no more than once per day;*

   No commercial vehicle deliveries are proposed. **(Affirmative finding)**

10. *With the exception of one delivery per day, as specified in subparagraph (9), no more than one (1) commercial vehicle shall be allowed on the premises at any one time;*

    See criterion 9 above.

    and

11. *There shall be no sale of goods except for goods fabricated on the premises as part of an approved home occupation.*

    No retail activities will take place onsite. **(Affirmative finding)**

II. Conditions of Approval

1. It is the applicant's responsibility to comply with any applicable city or state requirements related to the personal training business.
2. Standard Conditions 1-15.

Smooth Moves LLC 96 Tracy Drive, Burlington, VT 05408 on site business:

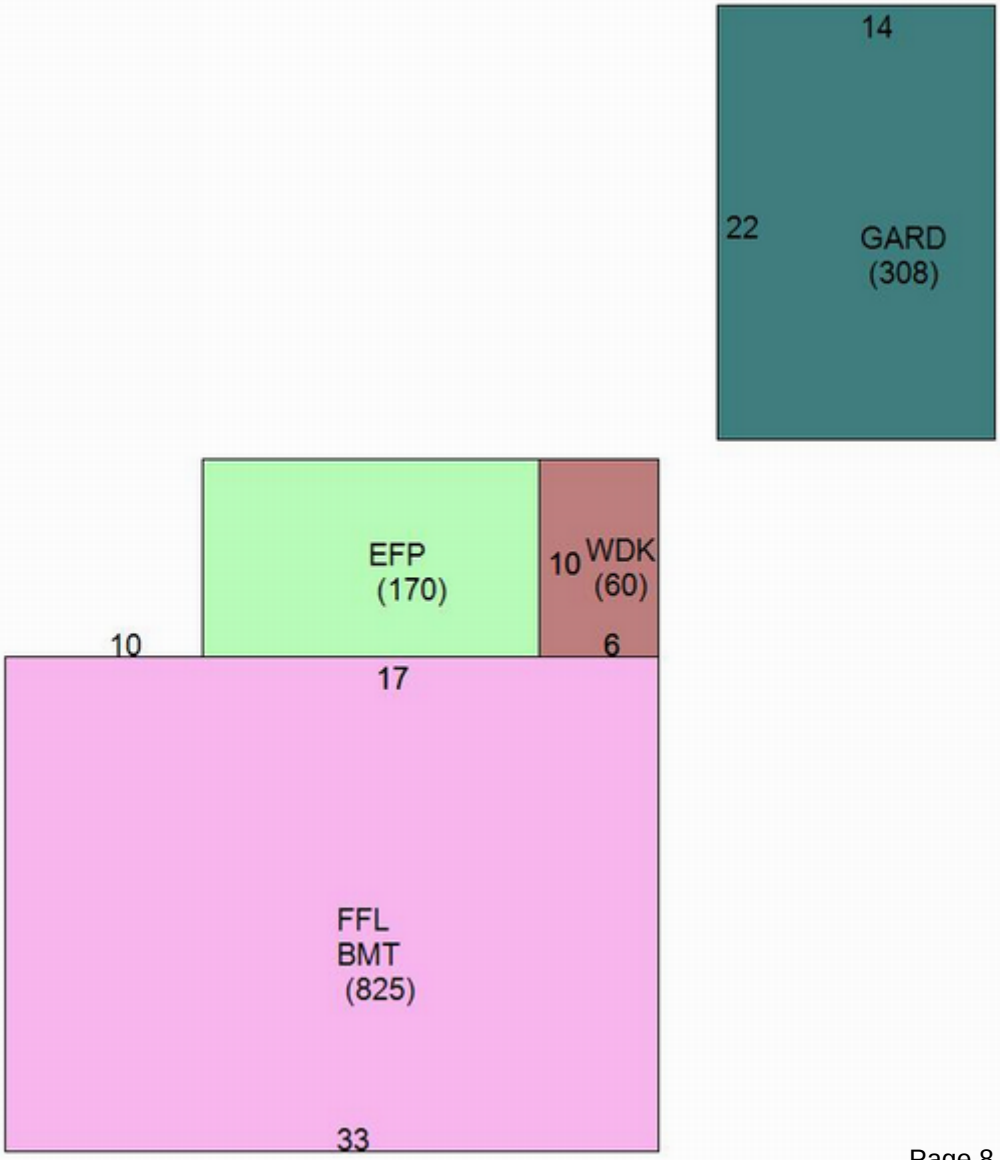
Activities involved: One on one and small group (max of 2 people) personal training in the property's garage.

Materials and equipment used: handheld weights, boxes, straps, resistance bands, rubber flooring

Quantities of materials and equipment stored on-site: handheld weights: 18 to 30 dumbbells and kettlebells, boxes: 3 to 4, straps: 1, resistance bands: 10, rubber flooring: 7, 3x4 pieces

Methods of operation: Strength and mobility training in the garage with the above stated equipment

Hours of operation: Monday through Friday 8 AM to 6 PM


14
22
GARD
(308)
EFP
(170)
10
WDK
(60)
10
6
17
FFL
BMT
(825)
33

Smooth Moves Site Plan at 96 Tracy Dr



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TO: Development Review Board
FROM: Kirk Dressing
DATE: June 16, 2026
RE: ZP-26-67; 180 Queen City Park Road
ZP-26-68; 266 Queen City Park Road

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Zone: E-LM Ward: 5

Owner/Applicant: Burton Corporation / Will Feltus

Request: Proposed installation, conveyance, and treatment of stormwater improvements across 180 Queen City Park Rd. and 266 Queen City Park Rd. with associated site and utility improvements.

Applicable Regulations:
Article 2 (Administrative Mechanisms), Article 4 (Maps & Districts), Article 5 (Citywide General Regulations), Article 6 (Development Criteria & Guidelines)

Background Information:
The applicant is seeking approval for the installation, conveyance, and treatment of stormwater improvements across 180 Queen City Park Road and 266 Queen City Park Road with associated site and utility improvements.

This project is a result of three acre stormwater requirements of the state and will include stormwater conveyance and treatment improvements, parking lot reconstruction, and water and sewer service replacements. This project will occur simultaneously across both 180 and 266 Queen City Park Road. The entirety of parking areas and walkways on the 266 (southern) parcel will be reconstructed while reconstruction of the 180 (northern) parcel will be focused on the southern parking areas and walkway area on the southwestern side of the building. A new overhead door and loading dock will is also proposed for 266 Queen City Park Road. Stormwater management for the reconfigured site will include underground pretreatment tanks, sediment forebays, a pretreatment swale, and gravel wetland treatment areas designed to meet water quality treatment standards and flow mitigation targets. The majority of site work and utility improvements were previously approved in 2020 but not constructed. This project does not propose a change in the existing use of either building. This project is expected to begin in June 2026 and end approximately in December of 2027.

Previous zoning actions for this property are noted below:

180 Queen City Park Road-

ZP-24-174	After-The-Fact installation of single exterior window.	7/10/2024	Approved
ZP-23-523	Proposed installation of three skylights in office space.	11/22/2023	Approved
ZP-19-749	Remove overhead garage doors and infill with fixed/openable windows and exterior walls.	10/21/2019	Approved
ZP-19-818	Stormwater enhancements and parking layout revisions.	6/25/2021	Approved
ZP-17-850	Interior renovation of office space. Window installation on the south elevation. Install steel plate awning over exterior door on the east elevation.	12/18/2017	Approved
ZP-17-526	Replace metal stake and wire fence with two rail cedar post and rail fence for raised garden beds on north side of property.	8/4/2017	Approved
ZP-16-438	Remove and replace roof top units #15 and #16 and curb adapter. Remove ballasted section of roof and replace with rubber membrane.	6/24/2016	Approved
ZP-15-670	Install skylight 5x5 ft in hardgoods office space.	9/3/2015	Approved
ZP-16-579	Install electrical vehicle charging station bollard mounted.	8/5/2016	Approved
ZP-15-789	Remove rusty ball sculpture, install gondola structure on front lawn.	10/13/2015	Approved
ZP-14-603	Replace thirteen existing wood double hung 6/6 windows with new wood clad double hung 6/6 windows.	8/18/2014	Approved
ZP-13-322	Replace two window units at rear with overhead doors with metal railings to block access.	5/14/2013	Approved
ZP-13-386	Replace existing freestanding sign and lighting with new freestanding sign and replacement lighting.	6/7/2013	Approved
ZP-12-668	Construct roof and walls over existing footbridge.	9/20/2012	Approved
ZP-12-428	Construct new bike shelter building beside existing parking lot.	6/25/2012	Approved
ZP-12-68	Parking lot reconfiguration and associated landscaping improvements.	3/7/2012	Approved
ZP-10-9	Replace existing rooftop HVAC unit with two smaller units, and two additional air handling units.	1/8/2010	Approved

ZP-11-397	Remove five existing wooden windows and replace with five clad wooden windows.	6/27/2011	Approved
ZP-11-205	Replace thirty eight windows and repair stucco as needed.	4/22/2011	Approved
ZP-08-233	Remove 52 existing wood windows and replace with wood clad matching existing size and window pattern, simulated divided lights permanently adhered interior and exterior.	5/16/2008	Approved
ZP-00-514	Installation of 49 space parking lot and reconfiguration of interior space: +26,550 sq. Ft. Office; -17,600 sq.Ft. Manufacturing; -11,150 sq. Ft. Warehouse; And +2,200 sq. Ft. Retail.	10/17/2000	Approved
ZP-07-696	Extension of permit 07-520CA for temporary overflow storage in three temporary trailers.	11/16/2007	Approved
ZP-07-96	Three temporary overflow storage trailers in the rear of the building. (Trailers to be removed by 12/31/07.)	4/3/2007	Approved
ZP-05-193	Conversion of 3000 sq ft of warehouse space to office.	5/25/2005	Approved
ZP-1998-600	Amend previously approved landscaping plan to add skateboard component.	11/2/1998	Approved
ZP-1998-71	New entry with extensive landscaping and parking improvements to the front and rear of the burton snowboard site.	3/26/1998	Approved
ZP-1994-139	Facade renovations to previously approved expansion for burton snowboards to include a stair tower on the south side. See coa 92-067 (28026sf).	5/6/1994	Approved
ZP-1992-27	Installation of dust collection system on grade on existing pavement, Behind existing manufacturing building, With installation of roof top mechanical units on main structure. No change to use, Site circulation or footprint.	2/12/1992	Approved
ZP-1991-426	Change of use from accessory office space (6000sf) To accessary retail space (6000sf) For existing manufacturing facility (48,000sf). No change to mass or site.	12/19/1991	Approved

ZP-1992-326	Installation of two signs, Freestanding to measure 2'X 3'X 8'X 10' And 6' High, And parallel over the door of burton snowboards to measure 7' In diameter. Proposal includes sculpture by front door.	8/26/1992	Approved
ZP-1995-43	Front facade office expansion to the existing burton snowboard facility. (Includes a one space waiver, Plus a previous 15 space waiver for a total of 16 spaces.)	3/23/1995	Approved
ZP-1996-424	Installation of a storage shed, 8'X 12', For the storage of lawn and related maintenance equipment for burton snowboards.	8/13/1996	Approved
ZP-1994-384	Substitution of 5 previously approved light poles with former ski lift poles (35' High) With 250 watt mh down lights mounted at 20' High in the burton snowboard parking lot.	9/22/1994	Approved
ZP-1992-50	Construction of 14,105 sf addition for accessory office usage to existing manufacturing complex. Parking to be expanded with some reconfiguration of access drives.	4/9/1992	Approved
ZP-1992-47	Extensive facade and fenestration changes to existing entry of manufacturing building. Associated landscaping improvements included. No change to mass, Use or parking.	3/26/1992	Approved
ZP-1993-446	Four warehouse and office additions (East, West and south sides) Totaling 28,026 sf to existing burton snowboards.	12/16/1993	Approved

266 Queen City Park Road-

ZP-26-9	(After-the-Fact) Installation of wall sign and sandwich board sign.	05/26/2026	Approved
ZP-20-218	Conditional use application to create 11,560 SF Performing Arts Center use within an existing 85,000+ SF structure; proposed façade improvements to existing building exterior	7/12/2024	Approved
ZP-19-836	Stormwater enhancements and parking layout revisions.	6/25/2021	Approved
ZP-19-191	Change of use from storage to indoor recreation(health club); no exterior renovation or site changes	5/10/2019	Approved
ZP-16-533	Install 3 signs; one of which will occupy an existing freestanding sign.	7/21/2016	Approved

ZP-15-828	Remove 'Rusty Ball' sculpture from 80 Industrial Pkwy and place on lawn of 152 Industrial Pkwy. No excavation.	11/3/2015	Approved
ZP-11-99	Install exhaust stack on roof at rear of building.	3/18/2011	Approved
ZP-14-274	Install a five ton HVAC on center roof of building.	5/16/2014	Approved
ZP-12-717	Construct walls and roof over existing foot bridge between 80 and 152 Industrial Parkway.	9/26/2012	Approved
ZP-12-69	Parking lot reconfiguration and associated landscaping improvements.	3/7/2012	Approved
ZP-11-574	Change use of portion of building to wholesale showroom. Construct new entry canopy at front of building. New wood siding over panel areas.	8/25/2011	Approved
ZP-10-724	Facade and entryway alterations and associated site work.	10/29/2010	Approved
ZP-10-354	New side entry, new windows, doors, stairs, ramp and 4 HVAC rooftop units.	6/7/2010	Approved
ZP-1998-270	Installation of a temporary trailer (For offices) In the parking lot of the industrial site.	6/11/1998	Approved
ZP-01-421	Add two new egress doors and replace one existing door, Add new canvas awning on west elevation, Add new gate into sw service yard, Demo existing 20' X 20' Garage with concrete slab to remain and add 330 sf asphalt.	11/2/2001	Approved
ZP-1998-396	Increase height of exhaust stack (Chimney) From 28 to 55'.	8/13/1998	Approved
ZP-1993-465	Installation of a non-illuminated freestanding sign, Measuring 12'X 7'6(90 sf), For the existing martin marietta plant.	11/2/1993	Approved

Recommendation: **Approval** as per, and subject to, the following findings and conditions.

I. Findings

Article 2: Administrative Mechanisms
Sec. 2.7.8 Withhold Permit
The administrative office is authorized to deny all zoning permit or certificates of occupancy for any property with:

- ***An uncorrected zoning violation (i.e. notice of zoning violation and/or municipal complaint ticket has been issued and is not under appeal);***
- ***An expired zoning permit without a final certificate of occupancy; or***
- ***An uncorrected violation of Chapter 18, Housing, Art. II, Minimum Standards, of the Burlington Code of Ordinances, as identified on the property's most recent rental inspection report (i.e. a notice of violation has been issued and is not under appeal).***

Permits ZP-16-579 and ZP-17-850 for 180 Queen City Park Road lack the required certificate of occupancy. There is a "withhold permit" condition requiring closure of the prior expired permits before closure of them. It appears that an outstanding electrical inspection is the final barrier preventing the closure of all open zoning permits. **(Affirmative finding as conditioned)**.

Article 4: Maps & Districts
Sec. 4.4.3, Enterprise Districts:
(a) Purpose
(1) Light Manufacturing (E-LM)
The subject property is located in the E-LM zone which is intended as the primary commercial/industrial center of Burlington. Burton's primary industrial use is consistent with this intent. No change in use is proposed. **(Affirmative finding)**

(b) Dimensional Standards & Density
The proposed lot coverage for 180 Queen City Park Road is 49.9%, and the proposed lot coverage for 266 Queen City Park is 65.8%, under the district maximum of 80%. It does not appear any minimum setbacks will be changing. No changes to the buildings are proposed.
(Affirmative finding)

(c) Permitted & Conditional Uses
No change is use is proposed. Not applicable.

(d) District Specific Regulations
Not applicable.

Article 5: Citywide General Regulations
Sec. 5.2.3, Lot Coverage Requirements
See Sec. 4.4.3 (b) above.

Sec. 5.2.4, Buildable Area Calculation
Not applicable.

Sec. 5.2.5, Setbacks
See Sec. 4.4.3 (b) above.

Sec. 5.2.6, Building Height Limits
See Sec. 4.4.3 (b) above.

Sec. 5.2.7, Density and Intensity of Development Calculations
See Sec. 4.4.3 (b) above.

Sec. 5.5.1, Nuisance Regulations
Nothing in the application appears to constitute a nuisance under this criterion. **(Affirmative finding)**

Sec. 5.5.2, Outdoor Lighting

Sec. 5.5.2, f, 1 of the CDO states maximum illumination shall not exceed 4.0 footcandles at any point. Per the lighting plan submitted the maximum illumination is 4.1 footcandles. Mounting heights do not exceed maximum 25'. **(Affirmative finding as conditioned)**

Sec. 5.5.3, Stormwater and Erosion Control
An EPSC plan has been submitted as part of the application materials. Review and approval by the city's Water Resources Division is required. **(Affirmative finding as conditioned)**

Article 6: Development Review Standards
Part 1, Land Division Design Standards
Not applicable.

Part 2, Site Plan Design Standards
Sec. 6.2.2, Review Standards
(a) Protection of important natural features
The site contains no significant natural areas as identified in the Open Space Protection Plan. A planting schedule has been included in the application materials. The plan is robust and will serve to bolster the existing landscaping. **(Affirmative finding)**

(b) Topographical alterations
The proposal is for a stormwater management infrastructure which will result in minor topographical alterations. **(Affirmative finding)**

(c) Protection of important public views
There are no protected public views that will be impacted by this proposed work. Not Applicable.

(d) Protection of important cultural resources
Not applicable.

(e) Supporting the use of alternative energy
Not applicable.

(f) Brownfield sites
Not applicable.

(g) Provide for nature's events
See Sec. 5.5.3

(h) Building location and orientation
Not applicable.

(i) Vehicular access
A second curb cut for the 266 Queen City Park parcel is proposed near the southeast corner of the parcel for access to the proposed loading dock. Approval from the Department of Public Works is needed. **(Affirmative finding if conditioned)**

It is agreed and understood that the applicant intends to construct a private development project upon the Premises during the same period in which a municipal shared-use path project is being designed and constructed, which is managed by the City of Burlington Department of Public Works. The parties, therefore, shall have an affirmative obligation to meet and confer in good faith to coordinate design and construction schedules to avoid interference with one another's development projects. **(Affirmative finding if conditioned)**

(j) Pedestrian access
Not applicable.

(k) Accessibility for the handicapped
Not applicable.

(l) Parking and circulation
Plans for reconfigured parking areas have been submitted, and a shade analysis has been provided. The shaded area of the parking lot will be 45%, exceeding the minimum of 30% **(Affirmative finding)**

(m) Landscaping, fences, and retaining walls
A robust planting plan has been provided as part of the application materials. **(Affirmative finding)**

(n) Public plazas and open space
Not applicable.

(o) Outdoor lighting
See Sec 5.5.2 above.

(p) Integrate infrastructure into the design
Not applicable.

Part 3, Architectural Design Standards
Sec. 6.3.2, Review Standards

(a) Relate development to its environment:

Proposed buildings and additions shall be appropriately scaled and proportioned for their function and with respect to the purpose of the zoning district. They should integrate harmoniously into the topography, and to the use, scale, and architectural details of existing buildings in the vicinity; however, such consideration shall not require building height to be more limited than otherwise allowed within an applicable zoning district or overlay zone per Article 4.

The following shall be considered:

1. Massing, Height and Scale:

No changes to the building massing, height, or scale are proposed. Not Applicable.

2. Roofs and Rooflines.

No Changes to the roof or roofline are proposed. Not applicable.

3. Building Openings

Principal entrances shall be clearly defined and readily identifiable from a public street whether by a door, a canopy, porch, or other prominent architectural or landscape features. People with physical challenges should be able to use the same entrance as everyone-else and shall be provided an "accessible route" to the building. Attention shall also be accorded to design features which provide protection from the affects of rain, snow, and ice at building entrances, and to provisions for snow and ice removal or storage.

Window openings shall maintain consistent patterns and proportions appropriate to the use. The window pattern should add variety and interest to the architecture, and be proportioned to appear more vertical than horizontal.

Buildings placed on a side or rear property line where no setback is required shall contain neither doors nor windows along such façade so as not to restrict future development or re-development options of the adjacent property due to fire safety code restrictions. Otherwise they should be setback a minimum of 5-feet.

The existing loading dock/overhead door on the southwestern side of 266 Queen City Park Road which will be removed and replaced with a depressed loading dock and new overhead door, An overhead door is also proposed on the southeastern façade of the building at 266 Queen City Park Road.. **(Affirmative finding if conditioned)**

(b) Protection of Important Architectural Resources:

Burlington's architectural and cultural heritage shall be protected through sensitive and respectful redevelopment, rehabilitation, and infill. Where the proposed development involves buildings listed or eligible for listing on a state or national register of historic places, the applicant shall meet the applicable development and design standards pursuant to Sec. 5.4.8. The introduction of new buildings to a historic district listed on a state or national register of historic places shall make every effort to be compatible with nearby historic buildings.

Not applicable.

(c) Protection of Important Public Views:

Development shall preserve distant terminal views of Lake Champlain and the Adirondack Mountains and important public and cultural landmarks from public places and along east-west public rights-of-way to the extent practicable. This shall not be construed to include similar views from exclusively private property.

Sensitivity shall be used in the massing of proposed development such that light and air is allowed to penetrate and some views may be preserved. Alternatives that extend access to such views by allowing public access into and through the proposed development are encouraged. In no case shall development be permitted to span across the public rights-of-way in such corridors.

There are no protected public views here. Not applicable.

(d) Provide an active and inviting street edge:

Building facades shall be varied along the street edge by the integration of architectural features, building materials, or physical step-backs of the façade along its length. Large expanses of undifferentiated building wall shall be avoided. This may be accomplished by incorporating fenestration patterns, bays, horizontal and vertical façade articulations, the rhythm of openings and prominent architectural features such as porches, patios, bays, articulated bases, stepping back an elevation relative to surrounding structures, and other street level details. The use of traditional facade components such as parapet caps, cornices, storefronts, awnings, canopies, transoms, kick plates, and recessed entries are highly encouraged. In areas where high volumes of pedestrian traffic are desired, the use of architectural recesses and articulations at the street-level are particularly important in order to facilitate the flow of pedestrian traffic

The proposed development does not affect the street edge. Not applicable.

(e) Quality of materials:

All development shall maximize the use of highly durable building materials that extend the life cycle of the building, and reduce maintenance, waste, and environmental impacts. Such materials are particularly important in certain highly trafficked locations such as along major streets, sidewalks, loading areas, and driveways. Efforts to incorporate the use of recycled content materials and building materials and products that are extracted and/or manufactured within the region are highly encouraged.

Owners of historic structures are encouraged to consult with an architectural historian in order to determine the most appropriate repair, restoration or replacement of historic building materials as outlined by the requirements of Art 5, Sec. 5.4.8

Spec sheets for the proposed loading dock door and overhead doors have been provided and the materials appear to be to be acceptably durable. **(Affirmative finding)**

(f) Reduce energy utilization:

All new construction shall meet the Guidelines for Energy Efficient Construction pursuant to the requirements of Article VI. Energy Conservation, Section 8 of the City of Burlington Code of Ordinances.

Proposed overhead doors will be required to meet Commercial Building Energy Standards (CBES). **(Affirmative finding if conditioned)**

(g) Make advertising features complementary to the site:

Where signs and other advertising features are proposed, the applicant shall meet the requirements as per Article 7 – Signs. The size, location. Design. Texture, lighting, and materials of all exterior signs and advertising features shall not detract from the use and enjoyment of proposed buildings or surrounding properties. National branding through signage and architecture shall be discouraged.

Not applicable.

(h) Integrate infrastructure into the building design:

Exterior machinery and equipment installations, service and loading areas, utility meters and structures, mailboxes, and similar accessory features shall utilize setbacks, plantings, enclosures and other mitigation or screening methods to minimize their auditory and visual impact on the public street and neighboring properties.

Rooftop mechanicals, including heating and cooling devices and elevator equipment, should be incorporated into the structure's design, and shall be arranged to minimize their visibility from the street level. Such features, in excess of one foot in height, shall be either enclosed within the roof structure, outer building walls, or parapets, or designed so that they are integrated into the overall design and materials of the building. Where such rooftop features do not exceed ten percent (10%) of the total roof area, they may be considered "ornamental and symbolic features" pursuant to Sec. 5.2.7 for the purposes of measuring building height.

Any development involving the installation of machinery or equipment which emits heat, vapor, fumes, vibration, or noise shall minimize any adverse impact on neighboring properties and the environment pursuant to the requirements of Article 5, Part 5 Performance Standards.

There appears to currently be a fence at 266 Queen City Park Road that screens the loading dock from view as seen from the sidewalk. The submitted planting plan notes plantings are proposed to screen the loading dock; its location on a secondary façade is acceptable. **(Affirmative finding)**

(i) Make spaces secure and safe:

Spaces shall be designed to facilitate building evacuation, accessibility by fire, police or other emergency personnel and equipment, and, to the extent feasible, provide for adequate and secure visibility for persons using and observing such spaces. Building entrances/entry points shall be visible and adequately lit, and intercom systems for multi-family housing should be incorporated where possible, to maximize personal safety.

See Sec. 5.5.2 above.

Article 8: Parking

Sec. 8.1.9 Maximum On-Site Parking Spaces

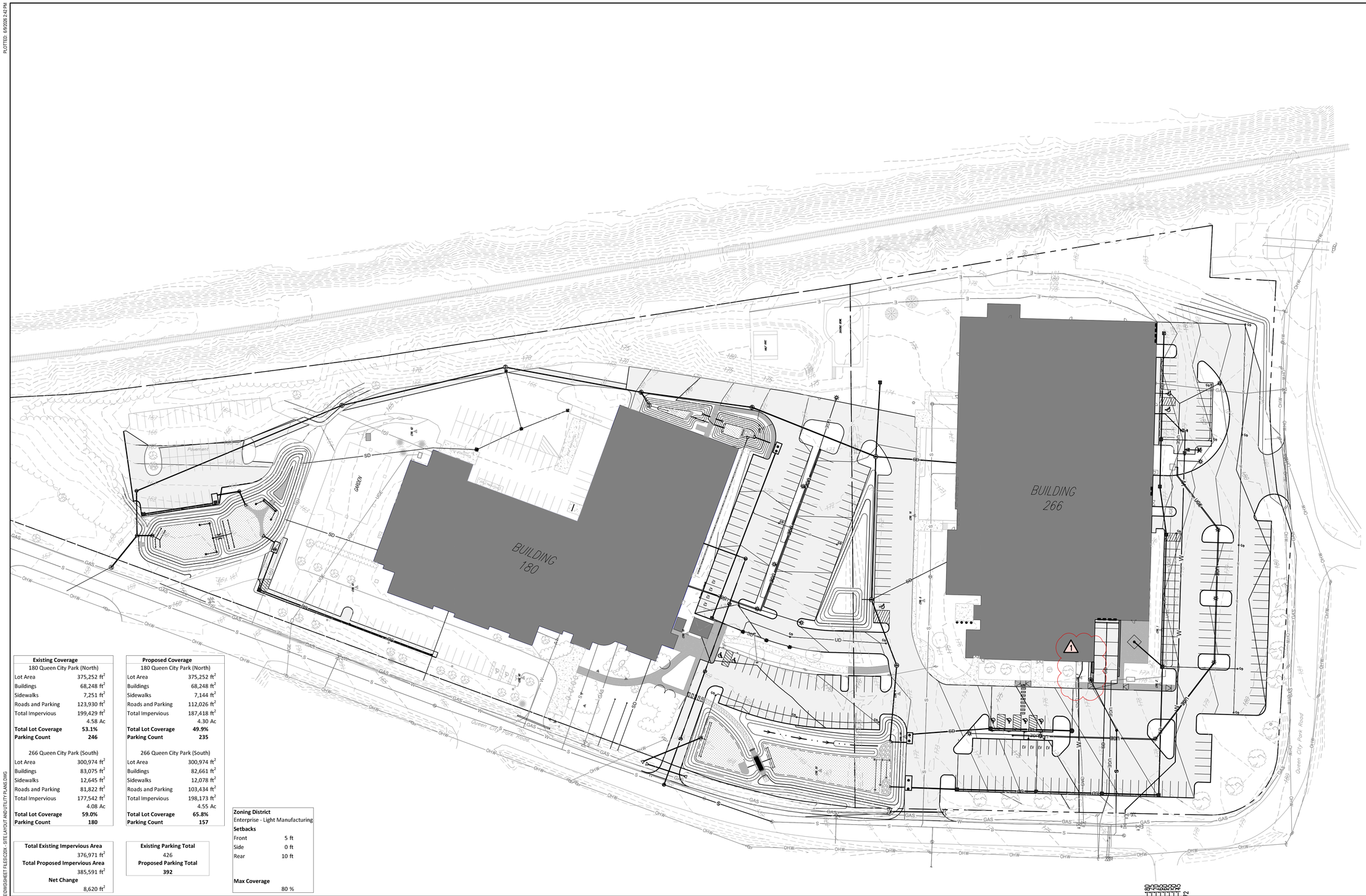
While new parking areas are being proposed as a part of the scope of work, there is going to be a net reduction in the total number of spaces. **(Affirmative finding)**

II. Conditions of Approval

In the event that outstanding items above are addressed or the DRB feels that approval is warranted with conditions, the following conditions are recommended.

1. **Prior to the release of the zoning permit:**
    a. The following items shall be submitted for staff review and approval:
        i. Revised lighting plan demonstrating maximum illumination does not exceed 4.1 footcandles at any point.
    b. The submitted EPSC plan and stormwater management plan shall be approved by the city's Stormwater Program staff.
    c. Approval from the Department of Public Works shall be obtained for the proposed curb cut on 266 Queen City Park Road.
    d. All zoning permits issued after July 13, 1989 shall receive Certificates of Occupancy or be closed out as applicable. In this case, zoning permits ZP-16-579, and ZP-17-850 have expired without the required certificates of occupancy.
2. Vermont Commercial Building Energy Standards apply to this project. Compliance with the standards is the Owner's responsibility. For more information, see http://publicservice.vermont.gov/energy_efficiency.
3. It is agreed and understood that the applicant intends to construct a private development project upon the Premises during the same period in which a municipal shared-use path project is being designed and constructed, which is managed by the City of Burlington Department of Public Works. The parties, therefore, shall have an affirmative obligation to meet and confer in good faith to coordinate design and construction schedules to avoid interference with one another's development projects.
4. Standard conditions 1-15.

PLOTTED: 8/9/2026 2:42 PM



Existing Coverage	
180 Queen City Park (North)	
Lot Area	375,252 ft²
Buildings	68,248 ft²
Sidewalks	7,251 ft²
Roads and Parking	123,930 ft²
Total Impervious	199,429 ft²
	4.58 Ac
Total Lot Coverage	**53.1%**
Parking Count	**246**
266 Queen City Park (South)	
Lot Area	300,974 ft²
Buildings	83,075 ft²
Sidewalks	12,645 ft²
Roads and Parking	81,822 ft²
Total Impervious	177,542 ft²
	4.08 Ac
Total Lot Coverage	**59.0%**
Parking Count	**180**

Proposed Coverage	
180 Queen City Park (North)	
Lot Area	375,252 ft²
Buildings	68,248 ft²
Sidewalks	7,144 ft²
Roads and Parking	112,026 ft²
Total Impervious	187,418 ft²
	4.30 Ac
Total Lot Coverage	**49.9%**
Parking Count	**235**
266 Queen City Park (South)	
Lot Area	300,974 ft²
Buildings	82,661 ft²
Sidewalks	12,078 ft²
Roads and Parking	103,434 ft²
Total Impervious	198,173 ft²
	4.55 Ac
Total Lot Coverage	**65.8%**
Parking Count	**157**

Total Existing Impervious Area
376,971 ft²
Total Proposed Impervious Area
385,591 ft²
Net Change
8,620 ft²

Existing Parking Total
426
Proposed Parking Total
392

Zoning District	
Enterprise - Light Manufacturing	
Setbacks	
Front	5 ft
Side	0 ft
Rear	10 ft
Max Coverage	
	80 %

N

GRAPHIC SCALE

50 0 25 50 100 200

1 inch = 50 ft.
for sheet size 24" x 36"

OVERALL CAMPUS VIEW

SHEET INCLUDED TO SHOW EXTENT OF PROPOSED CAMPUS

No.	Description	Date
1	WATER AND SEWER ROUTING REVISIONS, LOT COVERAGE TABLE	4/10/26

Stamp

ENGINEERING VENTURES PC
208 Flynn Avenue, Suite 2A, Burlington, VT 05401 • 802-863-8225
85 Mechanic Street, Suite E2-3, Lebanon, NH 03766 • 603-442-9333
414 Union Street, Schenectady, NY 12305 • 518-205-9141
www.engineeringventures.com

The Burton Corporation
180 Queen City Park Rd
Burlington, VT 05401

Sheet Title: Overall Campus Proposed Layout

Project Title: Burton Headquarters Campus Upgrades
Burlington, VT

EV Project #	24375
Drawn By:	TB/WBF
Checked By:	PB
Scale:	As Noted
Date:	02/23/2026

C200

S:\PROJECTS\24\2024375 BURTON SITE AND PERMIT ASSISTANCE\DWG\SHEET FILES\C200 - SITE LAYOUT AND UTILITY PLANS.DWG






























OUT
NO
PARKING


4C
3C
6B
5B
4B
3B
2B










POOL WORLD


4C
3C
5B
4B
3B
2B


5B
4B
3B
2B





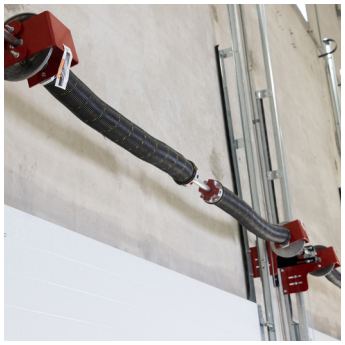


RAYNOR GARAGE DOORS



QUICKDOCK™ SOLUTION

From installation to maintenance and security, Raynor's new patent pending QuickDock door reimagines dock doors with the customer in mind. Raynor has engineered a solution to make the entire process **safer**, **faster** and **easier** while also providing **security** and **reduced air infiltration**. This industry leading design makes QuickDock the new dock door standard.



AVAILABILITY

Models	**QuickDock is an option that can be added to any of the below models.**	
	SP20 SP24 SP24C	EC200 EC224 TM200
Door Sizes	**Width**	**Height**
	8'-2" 8'-4" 9'-2" 9'-4"	8' 9' 10'
Colors	White	
Track	2" and 3" options	
Springs	Standard: up to 10,000 cycles Optional: 25,000 cycles	
Quantity	36 door minimum order	
Warranty	10 years (Rust-through & delamination)	
Pairing Options	Operators, Coil Cords, Sensing Devices	





INCREASED SAFETY

A counterbalance assembly mounted 16" above the header, and a one-piece track system anchored at a reduced height, increase safety by eliminating the need to lift the assembly 22 feet in the air.

DECREASED DOWNTIME

The sections, counterbalance assembly and track all come pre-assembled and palletized with QuickDock. This, as well as fewer parts overall, allows for faster and easier installation, maintenance and service, meaning less downtime for the customer.

DECREASED AIR INFILTRATION

A newly designed interior lock secures the door in place while Raynor's innovative windlock cleat keeps the door tight to the jamb for reduced air infiltration.

©2025 Raynor 2910053 07/25

WAGNERHODGSON
LANDSCAPE ARCHITECTURE
VT802.864.0010 NY518.567.1791 wagnerhodgson.com

SHADE COVER OF PARKING LOT FROM TREES:

PARKING LOT AREA: 144,796 sf (3.32 ac.)
SHADED AREA OF PARKING LOT: 65,323 sf (45% >30% req.)

BURTON
MAIN BUILDING
180 QUEEN CITY PARK ROAD

BURTON
MANUFACTURING
BUILDING
266 QUEEN CITY PARK ROAD

GRAVEL WETLAND, TYP.

Queen City Park Road

30 0 30 60
SCALE OF FEET

NO.	DESCRIPTION	DATE

BURTON PARKING LOT & STORMWATER ENHANCEMENT

BURLINGTON, VT

SHADE STUDY
Fall Equinox @ 3pm

JOB NO. 907
SCALE: 1"=30'
DRAWN BY: AH/ES
DATE: 04.21.2026

L400

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TREE SCHEDULE

KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING
DECIDUOUS TREES					
AF	19	Acer x freemani 'Autumn Blaze'	AUTUMN BLAZE MAPLE	2.5-3" CAL.	AS SHOWN
BN	5	Betula nigra 'Heritage'	HERITAGE RIVER BIRCH (Single stem)	3"-3.5" CAL.	AS SHOWN
GT2	9	Gleditsia tricanthos 'Skyline'	SKYLINE HONEY LOCUST	3.5-4" CAL.	AS SHOWN
PO	1	Platanus occidentalis	SYCAMORE	5" CAL.	AS SHOWN
QB	11	Quercus bicolor	SWAMP WHITE OAK	2.5-3" CAL.	AS SHOWN
UA	10	Ulmus davidiana var. japonica 'Morton'	ACCOLADE ELM	2.5-3" CAL.	AS SHOWN
EVERGREEN SHRUBS					
TQ	17	Thua occidentalis 'Nigra'	DARK AMERICAN ARBORVITAE	5 GAL	5' O.C.

BURTON
MAIN BUILDING
180 QUEEN CITY PARK ROAD

BURTON
MANUFACTURING
BUILDING
266 QUEEN CITY PARK ROAD

(4) AF
(4) UA
(5) BN
(1) PO
(2) QB
(4) QB
(1) AF
(2) AF
(3) GT2
(4) QB
(1) AF
(2) UA
(2) AF
(1) GT2
(2) UA
(17) TQ
(2) UA
(1) QB
(2) AF
(2) AF
(3) AF
(2) AF
EX. TREE TO REMAIN, TYP.
(3) GT2
GRAVEL WETLAND, TYP.
Concrete Pad
Concrete Pad
SKATING RINK
HALF PIPE
EV EV EV EV
EV EV EV EV
Queen City Park Road

30 0 30 60
SCALE OF FEET

WAGNERHODGSON
LANDSCAPE ARCHITECTURE
VT802.864.0010 NY518.567.1791 wagnerhodgson.com

NO.	DESCRIPTION	DATE

BURTON PARKING LOT & STORMWATER ENHANCMENT

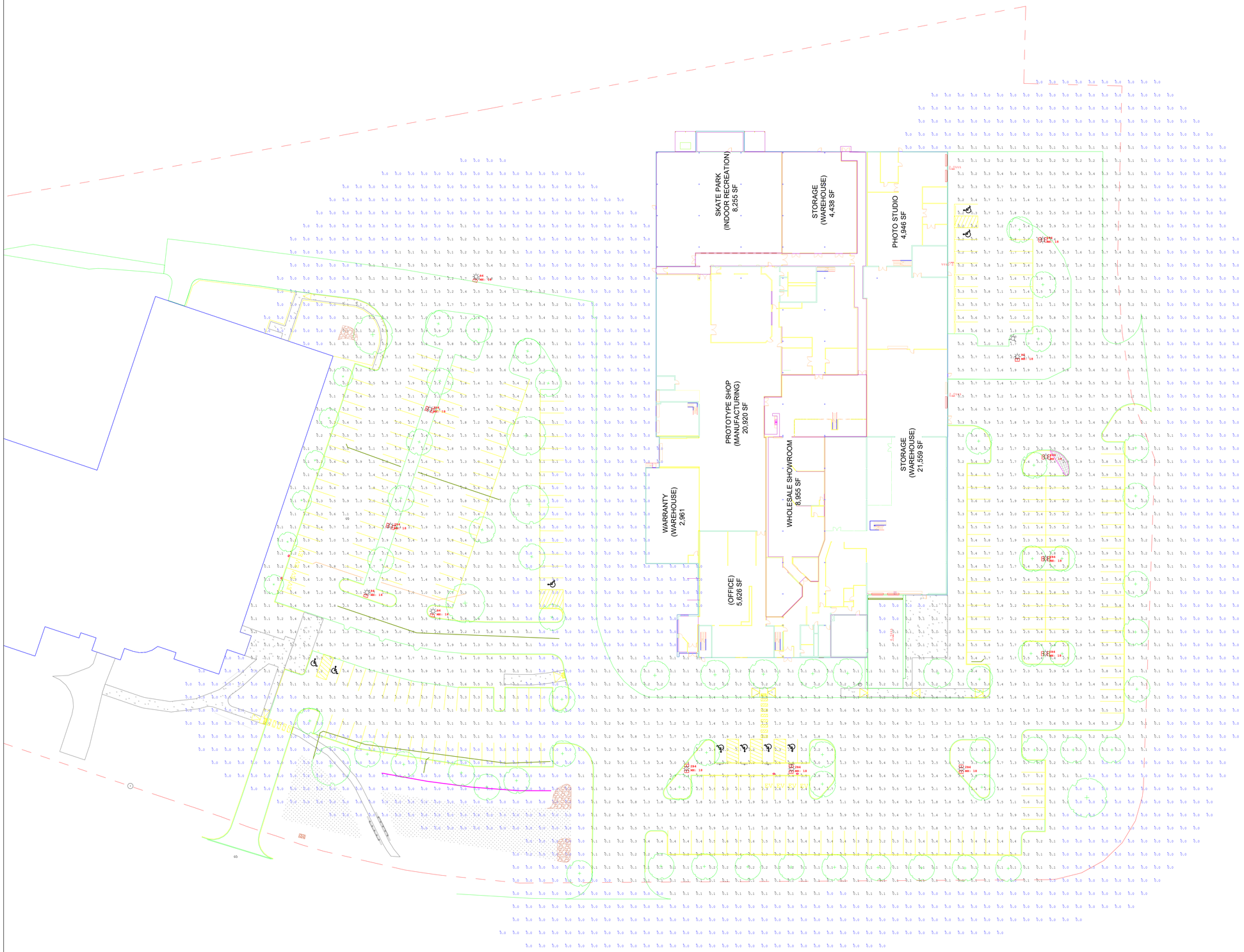
BURLINGTON, VT

PLANTING PLAN

JOB NO. 907
SCALE: 1"=30'
DRAWN BY: AH/ES
DATE: 04.21.2026

L200

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Luminaire Schedule					
Qty	Label	Arr. Watts	Arrangement	LLF	Description
3	B4	83.6	SINGLE	0.900	VP-ST-1-36L-85-3K7-4W
9	2B4	167.2	BACK-BACK	0.900	VP-ST-1-36L-85-3K7-4W
1	B5	83.6	SINGLE	0.900	VP-ST-1-36L-85-3K7-5W

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Site	Fc	0.52	4.1	0.0	N.A.	N.A.

Project:
Burton Parking Lot - Site

Contact:
Mike Corrao
Director of Spec Sales - NNE
207-219-1716
mcorrao@illuminatene.com

Detail: Photometric Calculation
Date: 07/03/2025
Revision:----
Scale: 1" = 30'-0"
Drawn By: SHJ

Generated For:
CED Burlington

Drawing Number:

L-1

illuminate
263 Winn Street
Burlington, MA 01803
(781) 272-2300

Sheet 1 of 1

BEACON
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DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

MICRO STRIKE | OPTICS STRIKE

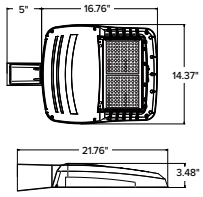


FEATURES

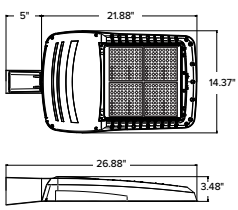
- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as auto dealership, retail, commercial, and campus parking lots
- Featuring two different optical technologies, Strike and Micro Strike Optics, which provide the best distribution patterns for retrofit or new construction
- Rated for high vibration applications including bridges and overpasses. All sizes are rated for 1.5G
- Control options including photo control, occupancy sensing, NX Lighting Controls™, LightGRID+ and 7-Pin with networked controls
- New customizable lumen output feature allows for the wattage and lumen output to be customized in the factory to meet whatever specification requirements may entail
- Field interchangeable mounting provides additional flexibility after the fixture has shipped

cULus IP65 DLC LISTED DLC LISTED PREMIUM DARKSKY APPROVED Reduces light pollution BAA TAA

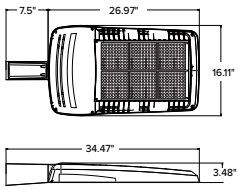
SIZE 1



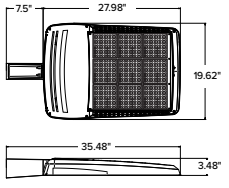
SIZE 2



SIZE 3



SIZE 4



CONTROL TECHNOLOGY

NX CONNECT NX WIRED NX WIRELESS LIGHTGRID+

SERVICE PROGRAMS

STOCK QS10

SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with 1000 hour powder coat paint finish
- External hardware is corrosion resistant

OPTICS

- Micro Strike Optics (160, 320, 480, or 720 LED counts) maximize uniformity in applications and come standard with mid-power LEDs which evenly illuminate the entire luminous surface area to provide a low glare appearance. Catalog logic found on page 2
- Strike Optics (36, 72, 108, or 162 LED counts) provide best in class distributions and maximum pole spacing in new applications with high powered LEDs. Strike optics are held in place with a polycarbonate bezel to mimic the appearance of the Micro Strike Optics so both solutions can be combined on the same application. Catalog logic found on page 3
- Both optics maximize target zone illumination with minimal losses at the house-side, reducing light trespass issues. Additional backlight control shields and house side shields can be added for further reduction of illumination behind the pole
- One-piece silicone gasket ensures a weatherproof seal
- Zero up-light at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Mounting patterns for each arm can be found on page 11
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option (ASQU) or accessory for square and round poles
- All mounting hardware included
- Knuckle arm fitter option available for 2-3/8" OD tenon
- For products with EPA less than 1 mounted to a pole greater that 20ft, a vibration damper is recommended

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/ IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options cannot be combined

CONTROLS

- Photo control, occupancy sensor programmable controls, and Zigbee wireless controls available for complete on/off and dimming control
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0-10V Dimming Drivers are standard.
- NX Lighting Controls™ available with in fixture wireless control module, features dimming and occupancy sensor
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

	EPA				
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	Config.
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to http://www.designlights.org for the most up-to-date list.
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures
- 1.5 G rated for ANSI C136.31 high vibration applications
- Fixture is IP65 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to https://www.currentlighting.com/resources/america-solutions).
- FCC CFR Title 47 Part 15, Class A

WARRANTY

- 5 year warranty

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BEACON
design . performance . technology

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

MICROSTRIKE OPTICS – ORDERING GUIDE

Gray Shading = Service Program Limit of 15 luminaires

QS10

Example: VP–2–320L-145–3K7–2–R–UNV–A3–BLT

CATALOG #

VP –

Series	
VP	Viper Area

Optic Platform	
BLANK	Micro Strike

Size	
1	Size 1
2	Size 2
3	Size 3
4	Size 4

Light Engine	
160L-35 [6]	35W - 5,500 Lumens
160L-50 [6]	50W - 7,500 Lumens
160L-75	75W - 10,000 Lumens
160L-100	100W - 12,500 Lumens
160L-115	115W - 15,000 Lumens
160L-135	135W - 18,000 Lumens
160L-160	160W - 21,000 Lumens
320L-145	145W - 21,000 Lumens
320L-170	170W - 24,000 Lumens
320L-185	185W - 27,000 Lumens
320L-210	210W - 30,000 Lumens
320L-235	235W - 33,000 Lumens
320L-255	255W - 36,000 Lumens
320L-315 [6]	315W - 40,000 Lumens
480L-285	285W - 40,000 Lumens
480L-320	320W - 44,000 Lumens
480L-340	340W - 48,000 Lumens
480L-390	390W - 52,000 Lumens
480L-425	425W - 55,000 Lumens
480L-470	470W - 60,000 Lumens
720L-435	435W - 60,000 Lumens
720L-475	475W - 65,000 Lumens
720L-515	515W - 70,000 Lumens
720L-565 [6]	565W - 75,000 Lumens
720L-600 [6]	600W - 80,000 Lumens
CLO	Custom Lumen Output [1]

CCT/CRI	
AP	AP-Amber Phosphor Converted
27K8	2700K, 80 CRI
3K7	3000K, 70 CRI
3K8	3000K, 80 CRI
35K8	3500K, 80 CRI
3K9	3000K, 90 CRI
4K7	4000K, 70 CRI
4K8	4000K, 80 CRI
4K9	4000K, 90 CRI
5K7	5000K, 70 CRI
5K8	5000K, 80 CRI
BLUE	BLUE 450-455 nm

Distribution	
2	Type 2
3	Type 3
4F	Type 4 Forward
4W	Type 4 Wide
5QW	Type 5 Square Wide

Optic Rotation	
BLANK	**No Rotation**
L	Optic rotation left
R	Optic rotation right

Voltage	
UNV	120-277V
120	120V
208	208V
240	240V
277	277V
347	347V
480	480V

Mounting	
A	Arm mount for square pole (B3 Drill Pattern) (Does not include round pole adapter)
A_	Arm mount for round pole [2]
ASQU	Universal arm mount for square pole. Can be used with B3 or S2 Drill Pattern
A_U	Universal arm mount for round pole [2]
AAU	Adjustable arm for pole mounting (universal drill pattern)
AA_U	Adjustable arm mount for round pole [2]
ADU	Decorative upswept Arm (universal drill pattern)
AD_U	Decorative upswept arm mount for round pole [2]
MAF	Mast arm fitter for 2-3/8" OD horizontal arm
K	Knuckle
T	Trunnion
WB	Wall Bracket, horizontal tenon with MAF
WM	Wall mount bracket with decorative upswept arm
WA	Wall mount bracket with adjustable arm

Color	
BLT	Black Matte Textured
BLS	Black Gloss Smooth
DBT	Dark Bronze Matte Textured
DBS	Dark Bronze Gloss Smooth
GTT	Graphite Matte Textured
LGS	Light Grey Gloss Smooth
LGT	Light Grey Gloss Textured
PSS	Platinum Silver Smooth
WHT	White Matte Textured
WHS	White Gloss Smooth
VGT	Verde Green Textured

Color Option	
CC	Custom Color

Options	
F	Fusing
2PF	Dual Power Feed
2DR	Dual Driver
TE	Tooless Entry
BC	Backlight Control [8]
TB	Terminal Block
LS	Lumen Switch

Network Control Options	
NXWS-16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [1,3,4]
NXWS-40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [1,3,4]
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor [3,4]
WIR	LightGRID+ In-Fixture Module [3,4]
WIRSC-14F	LightGRID+ Module and Occupancy Sensor 14ft Mounting height [3,4]
WIRSC-40F	LightGRID+ Module and Occupancy Sensor 40ft Mounting height [3,4]
Stand Alone Sensors	
BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
7PR	7-Pin Receptacle [4]
7PR-SC	7-Pin Receptacle with shorting cap [4]
7PR-TL	7-Pin PCR with NEMA photocontrol [4]
3PR	3-Pin Receptacle [4]
3PR-SC	3-Pin receptacle with shorting cap [4]
3PR-TL	3-Pin PCR with NEMA photocontrol [4]
Programmed Controls	
SCP-_F	Sensor Control Programmable, 8F or 40F [9]
ADD	AutoDim Timer Based Dimming [10]
ADT	AutoDim Time of Day Dimming [10]

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information
2 – Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
3 – Networked Controls cannot be combined with other control options
4 – Not available with 2PF option
5 – Not available with Dual Driver option
6 – Some voltage restrictions may apply when combined with controls
7 – Not available with 480V
8 – BC not available on 4F and type 5 distributions
9 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.
10 - Please refer to page 8 for AutoDim ordering guide

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VIPER Area/Site

VIPER LUMINAIRE

STRIKE OPTIC – ORDERING GUIDE

Example: VP–ST–1–36L-39–3K7–2–UNV–A–BLT

CATALOG #

VP –

Series		Optic Platform		Size		Light Engine		CCT/CRI		Distribution		Optic Rotation		Voltage	
VP	Viper Area	ST	Strike Optics	1	Size 1	36L-39 [8]	39W - 5,500 Lumens	27K8	2700K, 80 CRI	FR	Auto Front Row	BLANK	No Rotation	UNV	120-277V
						36L-55 [8]	55W - 7,500 Lumens	3K7	3000K, 70 CRI	2	Type 2	L	Optic rotation left	120	120V
						36L-85	85W - 10,000 Lumens	3K8	3000K, 80 CRI	3	Type 3	R	Optic rotation right	208	208V
						36L-105	105W - 12,500 Lumens	3K9	3000K, 90 CRI	4F	Type 4 Forward			240	240V
						36L-120	120W - 15,000 Lumens	35K8	3500K, 80 CRI	4W	Type 4 Wide			277	277V
				2	Size 2	72L-115	115W - 15,000 Lumens	4K7	4000K, 70 CRI	5QN	Type 5 Square Narrow			347	347V
						72L-145	145W - 18,000 Lumens	4K8	4000K, 80 CRI	5QW	Type 5 Square Wide			480	480V
						72L-180	180W - 21,000 Lumens	4K9	4000K, 90 CRI	5QM	Type 5 Square Medium				
						72L-210	210W - 24,000 Lumens	5K7	5000K, 70 CRI	5W	Type 5 Wide (Round)				
						72L-240	240W - 27,000 Lumens	5K8	5000K, 80 CRI	5RW	Type 5 Rectangular				
				3	Size 3	108L-215 [8]	215W - 27,000 Lumens			C	Corner Optic				
						108L-250	250W - 30,000 Lumens			TC	Tennis Court Optic				
						108L-280	280W - 33,000 Lumens								
						108L-325	325W - 36,000 Lumens								
						108L-365	365W - 40,000 Lumens								
				4	Size 4	162L-320	320W - 40,000 Lumens								
						162L-365 [10]	365W - 44,000 Lumens								
						162L-405	405W - 48,000 Lumens								
						162L-445	445W - 52,000 Lumens								
						162L-485	485W - 55,000 Lumens								
						162L-545 [8]	545W - 60,000 Lumens								
						CLO	Custom Lumen Output [1]								

Mounting		Color		Options		Network Control Options	
A	Arm mount for square pole (B3 Drill Pattern) (Does not include round pole adapter)	BLT	Black Matte Textured	F	Fusing	NXWS-16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [1,4,5]
A_	Arm mount for round pole [3]	BLS	Black Gloss Smooth	E	Battery Backup [1,2,7,8,9]	NXWF-40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [1,4,5]
ASQU	Universal arm mount for square pole	DBT	Dark Bronze Matte Textured	2PF	Dual Power Feed	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor [4,5]
A_U	Universal arm mount for round pole [3]	DBS	Dark Bronze Gloss Smooth	2DR	Dual Driver	WIR	LightGRID+ In-Fixture Module [4,5]
AAU	Adjustable arm for pole mounting (universal drill pattern)	GTT	Graphite Matte Textured	TE	Tooless Entry	WIRSC-14F	LightGRID+ Module and Occupancy Sensor 14ft Mounting height [4,5]
AA_U	Adjustable arm mount for round pole [3]	LGS	Light Grey Gloss Smooth	BC	Backlight Control	WIRSC-40F	LightGRID+ Module and Occupancy Sensor 40ft Mounting height [4,5]
ADU	Decorative upswept Arm (universal drill pattern)	LGT	Light Grey Gloss Textured	TB	Terminal Block	**Stand Alone Sensors**	
AD_U	Decorative upswept arm mount for round pole [3]	PSS	Platinum Silver Smooth	LS	Lumen Switch	BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
MAF	Mast arm fitter for 2-3/8" OD horizontal arm	WHT	White Matte Textured			BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming® Photocell and 360° Lens
K	Knuckle	WHS	White Gloss Smooth			BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
T	Trunnion	VGT	Verde Green Textured			7PR	7-Pin Receptacle [4]
WB	Wall Bracket, horizontal tenon with MAF	**Color Option**				7PR-SC	7-Pin Receptacle with shorting cap [4]
WM	Wall mount bracket with decorative upswept arm	CC	Custom Color			7PR-TL	7-Pin PCR with NEMA photocontrol [4]
WA	Wall mount bracket with adjustable arm					3PR	3-Pin Receptacle [4]
						3PR-SC	3-Pin receptacle with shorting cap [4]
						3PR-TL	3-Pin PCR with NEMA photocontrol [4]
						Programmed Controls	
						SCP-_F	Sensor Control Programmable, 8F or 40F [11]
						ADD	AutoDim Timer Based Dimming [12]
						ADT	AutoDim Time of Day Dimming [12]

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information
2 – Battery temperature rating -20C to 55C
3 – Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
4 – Networked Controls cannot be combined with other control options
5 – Not available with 2PF option
6 – Not available with 480V
7 – Not available with 347 or 480V
8 – Not available with Dual Driver option
9 – Only available in Size 1 housing, up to 105 Watts
10 – Some voltage restrictions may apply when combined with controls
11 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.
12 - Please refer to page 8 for AutoDim ordering guide

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DATE: LOCATION:

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VIPER Area/Site

VIPER LUMINAIRE

ORDERING GUIDE (CONT'D)

CATALOG #

Accessory Type		Size		Option		Color	
SHD	Shield	**1**	Size 1	**HSS-90-B**	House Side Shield 90° Back	**BLS**	Black Gloss Smooth
		2	Size 2	**HSS-90-F**	House Side Shield 90° Front	**BLT**	Black Matte Textured
		3	Size 3	**HSS-90-S**	House Side Shield 90° Side	**DBS**	Dark Bronze Gloss Smooth
		4	Size 4	**HSS-270-BSS**	House Side Shield 270° Back/Side/Side	**DBT**	Dark Bronze Matte Textured
				HSS-270-FSS	House Side Shield 270° Front/Side/Side	**GTT**	Graphite Matte Textured
				HSS-270-FSB	House Side Shield 270° Front/Side/Back	**LGS**	Light Gray Gloss Smooth
				HSS-360	House Side Shield 360°	**PSS**	Platinum Silver Smooth
				BC	Back Light Control	**WHS**	White Gloss Smooth
MTG	Mounting			**A**	Arm mount for square pole (B3 Drill Pattern) (Does not include round pole adapter)	**WHT**	White Matte Textured
				ASQU	Universal Arm Mount for square pole	**VGT**	Green Landscape Decorative
				AAU	Adjustable Arm for pole mounting	**LEG**	Legacy Colors
				ADU	Decorative upswept Arm	**Color Option**	
				RPA	Round Pole Adapter	**CC**	Custom Color
				MAF	Mast Arm Fitter for 2-3/8" OD horizontal arm		
				K	Knuckle		
				T	Trunnion		
				WB	Wall Bracket (compatible with universal arm mounts)		

Accessory Type		Option	
MSC	Miscellaneous	**BIRD SPK**	Bird Spike

Current Control Solutions — Accessories (Sold Separately)

NX Lighting Controls

☐ **NXOFM-1R1D-UNV** On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with NX Radio and Bluetooth® Radio, 120–480VAC

LightGRID+ Lighting Control

☐ **WIR-RME-L** On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with LightGRID+ Radio, 110–480VAC

☐ **SCP-REMOTE** Remote Control for SCP/_F option. Order at at least one per project to program and control the occupancy sensor

For additional information related to these accessories please visit currentlighting.com/beacon. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

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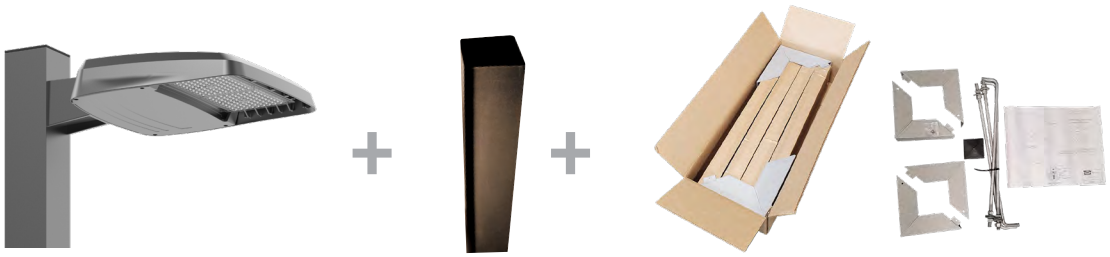
TYPE: PROJECT:

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VIPER Area/Site

VIPER LUMINAIRE

VIPER POLE EXPRESS COMBO – ORDERING GUIDE



Catalog Number	Pole	Single or Double Head	Fixture	Lumens*	Wattage	Distribution	CCT/CRI	Mounting	Finish
VP-1-160-4K-3-LS-S20	**20' Square Straight Steel**	Single	**VP-1-160-4K-3-LS**	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S20-2X	**20' Square Straight Steel**	Double	**VP-1-160-4K-3-LS**	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S20	**20' Square Straight Steel**	Single	**VP-1-160-4K-4F-LS**	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S20-2X	**20' Square Straight Steel**	Double	**VP-1-160-4K-4F-LS**	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S25	**25' Square Straight Steel**	Single	**VP-1-160-4K-3-LS**	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S25-2X	**25' Square Straight Steel**	Double	**VP-1-160-4K-3-LS**	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S25	**25' Square Straight Steel**	Single	**VP-1-160-4K-4F-LS**	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S25-2X	**25' Square Straight Steel**	Double	**VP-1-160-4K-4F-LS**	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S20	**20' Square Straight Steel**	Single	**VP-1-160-5K-3-LS**	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S20-2X	**20' Square Straight Steel**	Double	**VP-1-160-5K-3-LS**	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S20	**20' Square Straight Steel**	Single	**VP-1-160-5K-4F-LS**	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S20-2X	**20' Square Straight Steel**	Double	**VP-1-160-5K-4F-LS**	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S25	**25' Square Straight Steel**	Single	**VP-1-160-5K-3-LS**	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S25-2X	**25' Square Straight Steel**	Double	**VP-1-160-5K-3-LS**	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S25	**25' Square Straight Steel**	Single	**VP-1-160-5K-4F-LS**	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S25-2X	**25' Square Straight Steel**	Double	**VP-1-160-5K-4F-LS**	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured

VIPER POLE EXPRESS COMBO – STOCK LUMINAIRE SKUS

Catalog Number	Lumens	LPW	Distribution	Wattage	CCT/CRI	Voltage	Mounting	Finish
VP-1-160-4K-3-LS	19584	123.9	3	158W	4000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-4K-4F-LS	19426	122.9	4F	158W	4000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-5K-3-LS	19499	123.4	3	158W	5000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-5K-4F-LS	19186	121.4	4F	158W	5000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured

VIPER POLE EXPRESS COMBO – ACCESSORIES

Catalog Number	Description
VM14DB	Vibration Dampener, mounts to top of pole for reduced vibration



VM14DB

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VIPER LUMINAIRE

OUTDOOR LIGHTING CONTROLS OPTIONS

CONTROLS FUNCTIONALITY

LIGHTGRID+ NX LIGHTING CONTROLS MOBILE APP

	Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components	
			Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NX Wireless	NXOFM1R1D-UNV	NX 7-Pin Twist-Lock® with NX Networked Wireless Radio, Integral Automatic Dimming Photocell, Integral Single Pole Relay with Dimming, and Bluetooth Programming	✓	✓	✓	Paired with external control	✓	✓	✓	✓	–		NXOFM-1R1D-UV
	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	–	–	✓	✓	✓	–		NXRM2-H
	NXWS12F	NX Networked Wireless Enabled Integral NXSMP2-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	12ft		NXSMP2-OMNI-O
	NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
	NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
LightGRID+	WIR	LightGRID+ In-Fixture Module	✓	–	✓	–	–	✓	✓	Gateway	–		WIR
	WIR-RME-L	LightGRID+ On Fixture Module	✓	–	✓	–	–	✓	✓	Gateway	–		WIR-RME-L
	WIRSC	LightGRID+ Module and Occupancy Sensor	✓	✓	✓	✓	✓	✓	✓	Gateway	14ft - 40ft		BTMSP
Independent	BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	✓	✓	12ft		BTSMP-OMNI-O
	BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	✓	✓	14ft		BTSMP-LMO
	BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	✓	✓	40ft		BTSMP-HMO

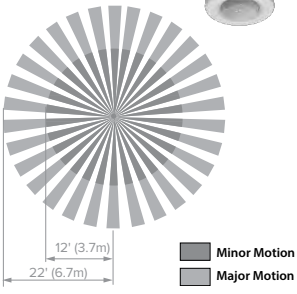
DEFAULT SETTINGS

NX Wireless	
Occupancy Sensor	Enabled
Occupancy Sensor Sensitivity	7
Occupancy Sensor Timeout	15 Minutes
Occupied Dim Level	100%
Unoccupied Dim Level	0%
Daylight Sensor	Disabled
Bluetooth	Enabled
2.4GHz Wireless Mesh	On
"Passcode Factory Passcode: HubbN3T!"	Enabled

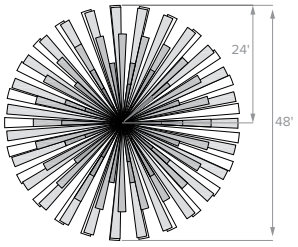
Stand Alone	
Occupancy Sensor	Enabled
Occupancy Sensor Sensitivity	7
Occupancy Sensor Timeout	8 Minutes
Occupied Dim Level	100%
Unoccupied Dim Level	50%
Daylight Sensor	Disabled

NX WIRELESS COVERAGE PATTERNS

NXSMP2-OMNI



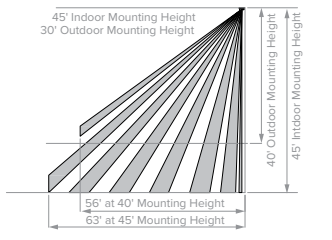
NXSMP2-LMO





Sensor Lens Coverage and Detection Patterns When Mounted at 8ft with Low Mount Lens

NXSMP2-HMO



Sensor Lens Coverage and Detection Patterns When Mounted at 40ft and 45ft with Standard Lens

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VIPER LUMINAIRE

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NX LIGHTING CONTROLS FREE APP



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminiares and program NX system settings.

Apple App: https://apps.apple.com/us/app/nx-lighting-controls/id962112904

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&gl=US

Apple App

Google Play

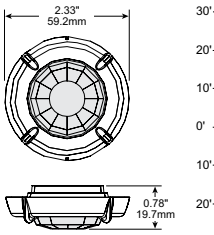
CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)

OUTDOOR LIGHTING CONTROLS OPTIONS

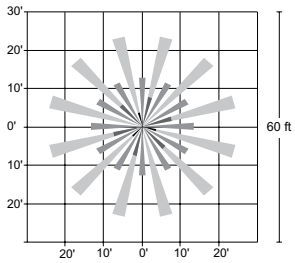
CONTROLS FUNCTIONALITY

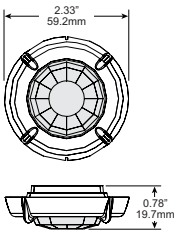
	Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components
			Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height	
Independent	SCP_F	Sensor Control Programmable, 8F or 40F	–	–	–	✓	✓	✓	✓	–	8ft or 40ft	SCP_F
	ADD	AutoDIM Timer Based Dimming	–	–	✓	–	–	–	✓	–	–	ADD
	ADT	AutoDIM Time of Day Dimming	–	–	✓	–	–	–	✓	–	–	ADT
	7PR	7-Pin Receptacle	–	–	Paired with external control	–	Paired with external control	–	Paired with external control	–	–	7PR
	7PR-SC	7-Pin Receptacle with shorting cap	–	–	–	–	–	–	–	–	–	7PR-SC
	3PR	3-Pin twist lock	–	–	–	–	–	–	Paired with external control	–	–	3PR
	3PR-SC	3-Pin Receptacle with shorting cap	–	–	–	–	–	–	–	–	–	3PR-SC
	3PR-TL	3-Pin with photocontrol	–	–	–	–	✓	–	✓	–	–	3PR-TL

COVERAGE PATTERNS FOR SCP_F

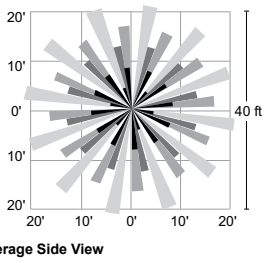


Coverage Top View @ 12ft.

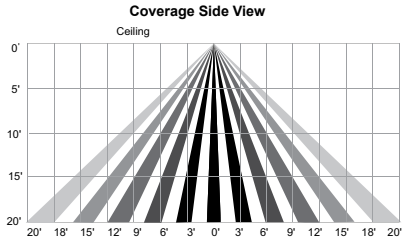




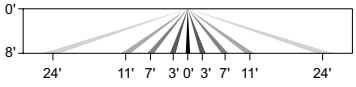
Coverage Top View @ 20 ft.

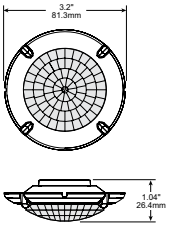


Coverage Side View

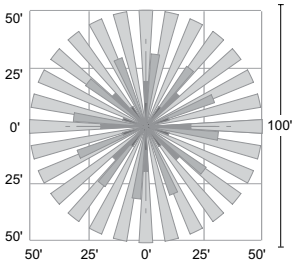


Coverage Side View

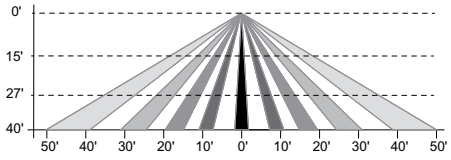




Coverage Top View @40ft



Coverage Side View



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BEACON
design . performance . technology

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6 - Delay 6 hours
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50% brightness
Auto-Dim Return	Delay 0-9 Hours	R6 - Return to full output after 6 hours

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6 - Dim at 6PM
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50%
Auto-Dim Return	12-6 AM and 9-11P	R6 - Return to full output at 6AM

ORDERING GUIDE

Auto Dim Code	Timer Base (ADD) Auto-Dim Options		Auto Dim Cod	Time of Day (ADT) Auto-Dim Options
D1	Delay 1 hour		T0	Delay Midnight
D2	Delay 2 hours		T1	Delay 1 AM
D3	Delay 3 hours		T2	Delay 2 AM
D4	Delay 4 hours		T3	Delay 3 AM
D5	Delay 5 hours	OR	T4	Delay 10 PM
D6	Delay 6 hours		T5	Delay 11 PM
D7	Delay 7 hours		T6	Delay 6 PM
D8	Delay 8 hours		T7	Delay 7 PM
D9	Delay 9 hours		T8	Delay 8 PM
D0	Delay 0 hours		T9	Delay 9 PM

Code	Auto-Dim Brightness
0	100% Brightness
1	10% Brightness
2	20% Brightness
3	30% Brightness
4	40% Brightness
5	50% Brightness
6	60% Brightness
7	70% Brightness
8	80% Brightness
9	90% Brightness

Code	Auto-Dim Return Options
R1	Delay 1 hour or 1 AM
R2	Delay 2 hours or 2 AM
R3	Delay 3 hours or 3 AM
R4	Delay 4 hours or 4 AM
R5	Delay 5 hours or 5 AM
R6	Delay 6 hours or 6 AM
R7	Delay 7 hours or 7 AM
R8	Delay 8 hours or 8 AM
R9	Delay 9 hours or 9 AM
R0	Delay 0 hours or 12 AM

Code	Auto-Dim Brightness
0	100% Brightness
1	10% Brightness
2	20% Brightness
3	30% Brightness
4	40% Brightness
5	50% Brightness
6	60% Brightness
7	70% Brightness
8	80% Brightness
9	90% Brightness

DELIVERED LUMENS

For delivered lumens, please see Lumens Data PDF on www.Currentlighting.com

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	0	25,000	*TM-21-11 36,000	50,000	100,000	Calculated L_{70} (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Micro Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	–	0.841	–
3000K	0.977	0.861	0.647
3500K	–	0.900	–
4000K	1	0.926	0.699
5000K	1	0.937	0.791
AP-Amber Phosphor Converted Multiplier			
Amber	0.710		

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	See Amber Spec Sheet		

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DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

ELECTRICAL DATA: MICRO STRIKE

# OF LEDS	160						
NOMINAL WATTAGE	35	50	75	100	115	135	160
SYSTEM POWER (W)	34.9	50.5	72.1	97.2	111.9	132.2	157.8
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.29	0.42	0.63	0.83	0.96	1.13	1.33
208	0.17	0.24	0.36	0.48	0.55	0.65	0.77
240	0.15	0.21	0.31	0.42	0.48	0.56	0.67
277	0.13	0.18	0.27	0.36	0.42	0.49	0.58
347	0.10	0.14	0.22	0.29	0.33	0.39	0.46
480	0.07	0.10	0.16	0.21	0.24	0.28	0.33

# OF LEDS	320						
NOMINAL WATTAGE	145	170	185	210	235	255	315
SYSTEM POWER (W)	150	166.8	185.7	216.2	240.9	261.5	312
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	1.21	1.42	1.54	1.75	1.96	2.13	2.63
208	0.70	0.82	0.89	1.01	1.13	1.23	1.51
240	0.60	0.71	0.77	0.88	0.98	1.06	1.31
277	0.52	0.61	0.67	0.76	0.85	0.92	1.14
347	0.42	0.49	0.53	0.61	0.68	0.73	0.91
480	0.30	0.35	0.39	0.44	0.49	0.53	0.66

# OF LEDS	480					
NOMINAL WATTAGE	285	320	340	390	425	470
SYSTEM POWER (W)	286.2	316.7	338.4	392.2	423.2	468
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	2.38	2.67	2.83	3.25	3.54	3.92
208	1.37	1.54	1.63	1.88	2.04	2.26
240	1.19	1.33	1.42	1.63	1.77	1.96
277	1.03	1.16	1.23	1.41	1.53	1.70
347	0.82	0.92	0.98	1.12	1.22	1.35
480	0.59	0.67	0.71	0.81	0.89	0.98

# OF LEDS	720				
NOMINAL WATTAGE	435	475	515	565	600
SYSTEM POWER (W)	429.3	475	519.1	565.2	599.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	3.63	3.96	4.29	4.71	5.00
208	2.09	2.28	2.48	2.72	2.88
240	1.81	1.98	2.15	2.35	2.50
277	1.57	1.71	1.86	2.04	2.17
347	1.25	1.37	1.48	1.63	1.73
480	0.91	0.99	1.07	1.18	1.25

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

ELECTRICAL DATA: STRIKE

# OF LEDS	36				
NOMINAL WATTAGE	39	55	85	105	120
SYSTEM POWER (W)	39.6	56.8	83.6	108.2	120.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.33	0.46	0.71	0.88	0.96
208	0.19	0.26	0.41	0.50	0.55
240	0.16	0.23	0.35	0.44	0.48
277	0.14	0.20	0.31	0.38	0.42
347	0.11	0.16	0.24	0.30	0.33
480	0.08	0.11	0.18	0.22	0.24

# OF LEDS	72				
NOMINAL WATTAGE	115	145	180	210	240
SYSTEM POWER (W)	113.7	143.2	179.4	210.2	241.7
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	1.00	1.21	1.50	1.75	1.79
208	0.58	0.70	0.87	1.01	1.03
240	0.50	0.60	0.75	0.88	0.90
277	0.43	0.52	0.65	0.76	0.78
347	0.35	0.42	0.52	0.61	0.62
480	0.25	0.30	0.38	0.44	0.45

# OF LEDS	108				
NOMINAL WATTAGE	215	250	280	325	365
SYSTEM POWER (W)	214.8	250.8	278.3	324.7	362.6
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	2.00	2.08	2.33	3.04	2.67
208	1.15	1.20	1.35	1.75	1.54
240	1.00	1.04	1.17	1.52	1.33
277	0.87	0.90	1.01	1.32	1.16
347	0.69	0.72	0.81	1.05	0.92
480	0.50	0.52	0.58	0.76	0.67

# OF LEDS		162				
NOMINAL WATTAGE	320	365	405	445	485	545
SYSTEM POWER (W)	322.1	362.6	403.6	445.1	487.1	543.9
INPUT VOLTAGE (V)		CURRENT (Amps)				
120	2.71	2.67	3.38	3.71	4.04	4.54
208	1.56	1.54	1.95	2.14	2.33	2.62
240	1.35	1.33	1.69	1.85	2.02	2.27
277	1.17	1.16	1.46	1.61	1.75	1.97
347	0.94	0.92	1.17	1.28	1.40	1.57
480	0.68	0.67	0.84	0.93	1.01	1.14

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VIPER Area/Site

VIPER LUMINAIRE

DATE: LOCATION:

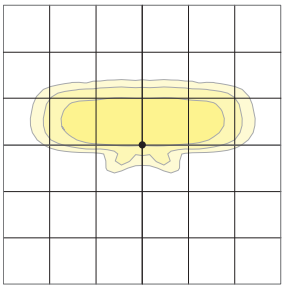
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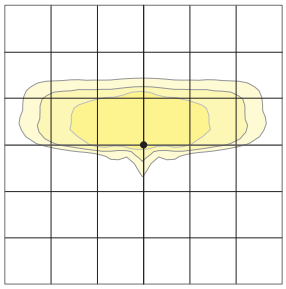
MICRO STRIKE PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

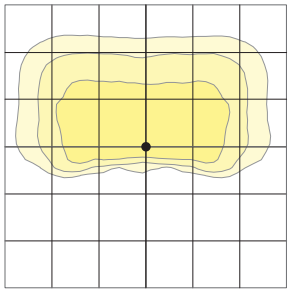
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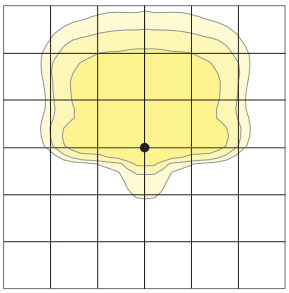
Type 3



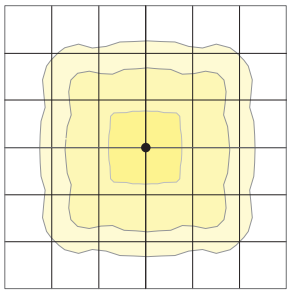
Type 4 Wide



Type 4F



Type 5QW



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VIPER Area/Site

VIPER LUMINAIRE

DATE: LOCATION:

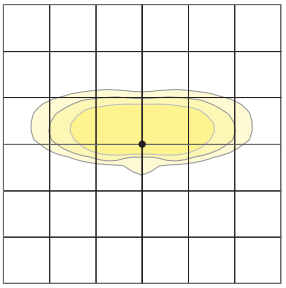
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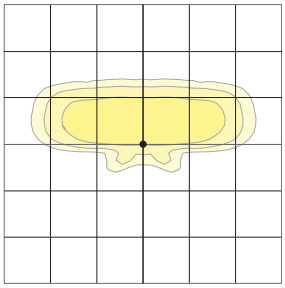
OPTIC STRIKE PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

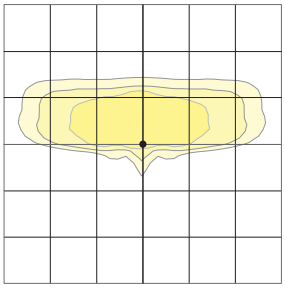
Type FR – Front Row/Auto Optic



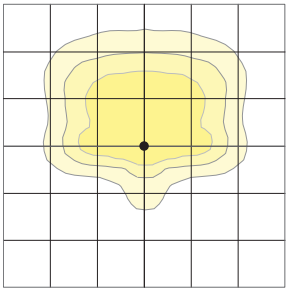
Type 2



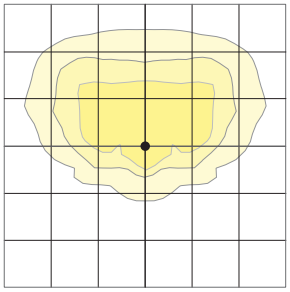
Type 3



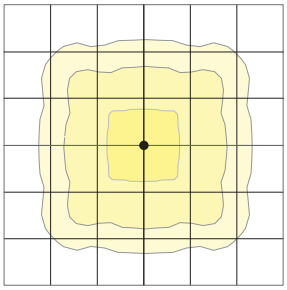
Type 4 Forward



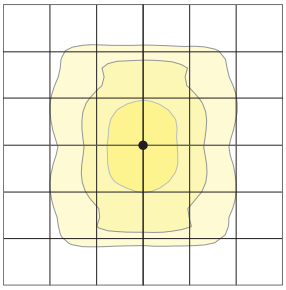
Type 4 Wide



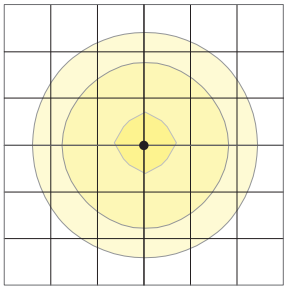
Type 5QM



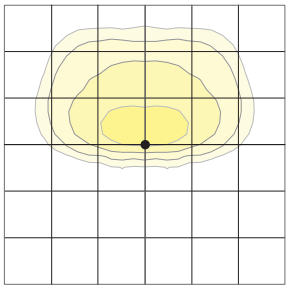
Type 5RW (rectangular)



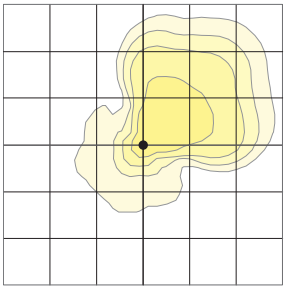
Type 5W (round wide)



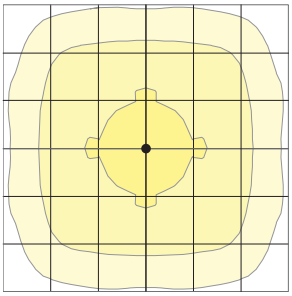
Type TC



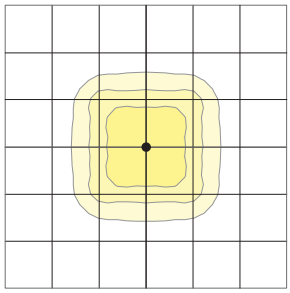
Type Corner



Type 5QW



Type 5QN



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DATE: LOCATION:

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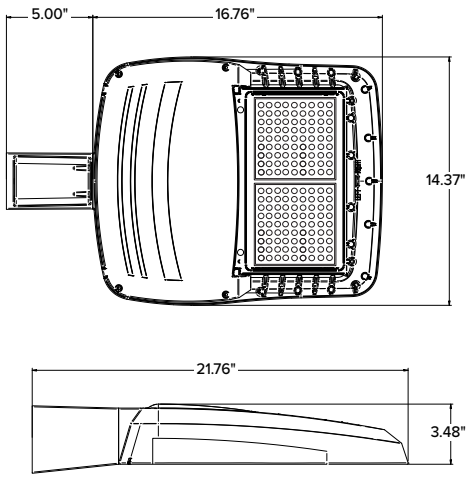
CATALOG #:

VIPER Area/Site

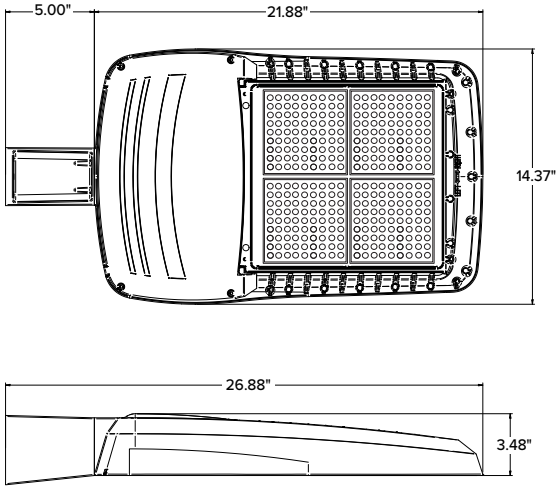
VIPER LUMINAIRE

DIMENSIONS

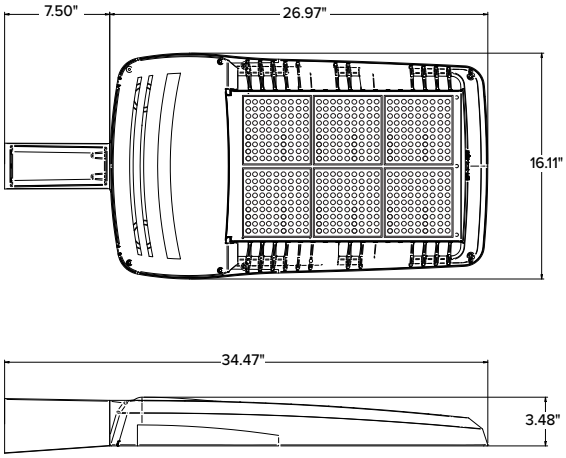
SIZE 1



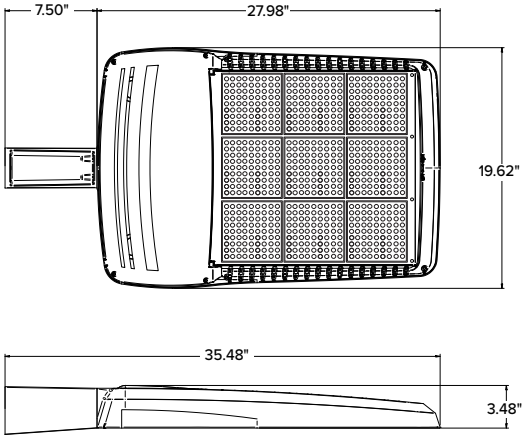
SIZE 2



SIZE 3



SIZE 4



	EPA				
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	Config.
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

	Weight	
	lbs	kgs
VP1 (Size 1)	13.7	6.2
VP2 (Size 2)	16.0	7.26
VP3 (Size 3)	25.9	11.7
VP4 (Size 4)	30.8	13.9

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VIPER Area/Site

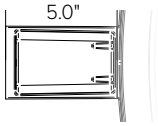
VIPER LUMINAIRE

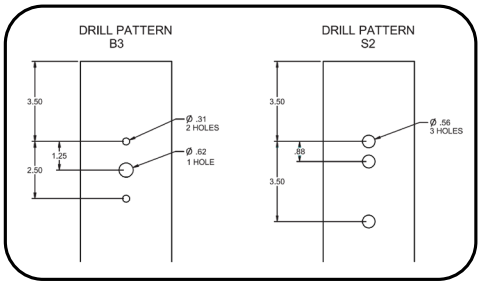
MOUNTING

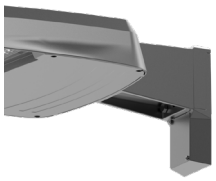


A–STRAIGHT ARM MOUNT

Fixture ships with integral arm for ease of installation. Compatible with Current Outdoor B3 drill pattern for ease of installation on square poles. For round poles add applicable suffix (2/3/4/5)

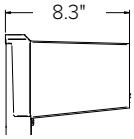


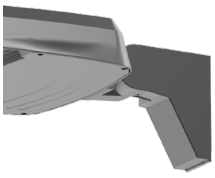




ASQU–UNIVERSAL ARM MOUNT

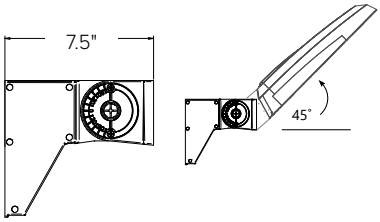
Universal mounting block for ease of installation. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5)

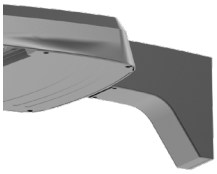




AAU–ADJUSTABLE ARM FOR POLE MOUNTING

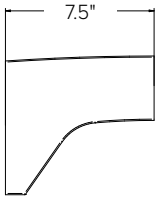
Rotatable arm mounts directly to pole. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2 and B3. For round poles add applicable suffix (2/3/4/5). Rotatable in 5˚ aiming angle increments. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.

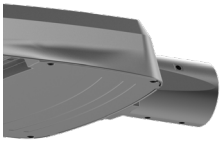




ADU–DECORATIVE UPSWEPT ARM

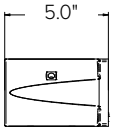
Upswept Arm compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5).

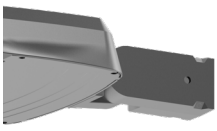




MAF–MAST ARM FITTER

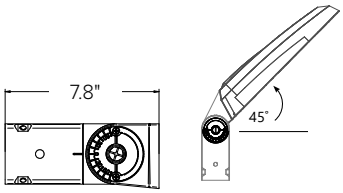
Fits 2-3/8" OD horizontal tenons.

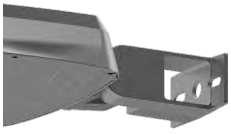




K–KNUCKLE

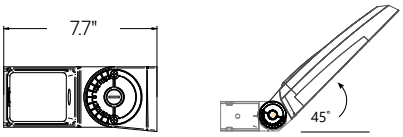
Rotatable in 5-degree aiming angle increments, fits 2-3/8" tenons or pipes. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.





T–TRUNNION

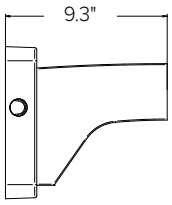
Trunnion for surface and crossarm mounting using (1) 3/4" or (2) 1/2" size through bolts. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.





WM–WALL MOUNT

Compatible with universal arm mount, adjustable arm mount, and decorative arm mount. The WA option uses the same wall bracket but replaces the decorative arm with an adjustable arm.



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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

VIPER Area/Site

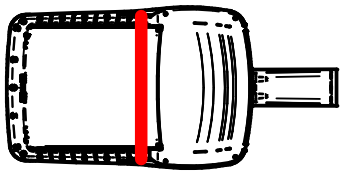
VIPER LUMINAIRE

ADDITIONAL INFORMATION (CONTINUED)

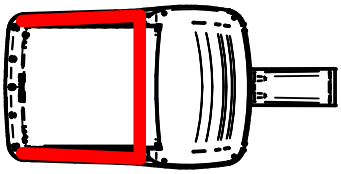
HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES

HSS has a depth of 5" for all Viper sizes
Not to be used with Occupancy Sensors as the shield may block the light to the sensor.

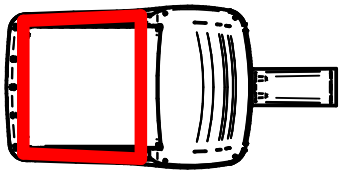
VPR2x HSS-90-B-xx



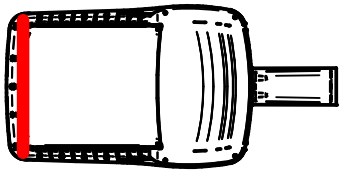
VPR2x HSS-270-BSS-xx



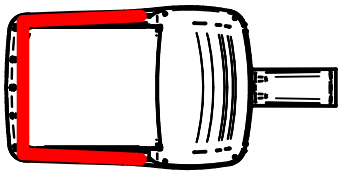
VPR2x HSS-360-xx



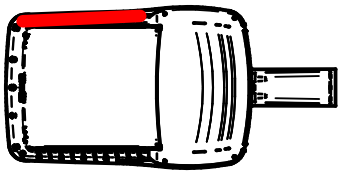
VPR2x HSS-90-F-xx



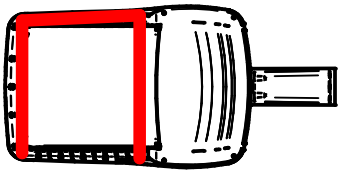
VPR2x HSS-270-FSS-xx



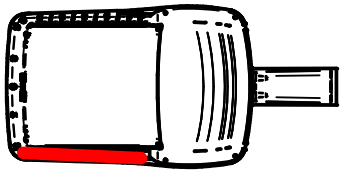
VPR2x HSS-90-S-xx



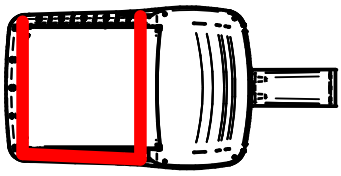
VPR2x HSS-270-FSB-xx



VPR2x HSS-90-S-xx



VPR2x HSS-270-FSB-xx



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OUT
NO
PARKING


4C
3C
6B
5B
4B
3B
2B










POOL WORLD


4C
3C
5B
4B
3B
2B


5B
4B
3B
2B





