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TRANSMITTAL

July 6, 2022

To: Ms. Liz Burdick
Town Planner
310 Norwich-New London Turnpike
Uncasville, CT 06382

RE: **Revised Plans and Comment Response**
Application: 22 SITE 5
Location: 125 Depot Rd (M/B/L 071-007-000) & 133 Depot Rd (M/B/L 071-001-000), Depot Rd (M/B/L 071-013-000) and 55 Dock Rd (M/B/L 071-008-000), Uncasville, CT
Applicant: Gateway Montville, LLC
Boundaries LLC Job I.D. No. 22-3140

Dear Ms. Burdick;

Please find enclosed the following revised plans prepared in accordance with your plan review letter received on July 1, 2022 and the Montville Water Pollution Control Authority's plan review letter received July 6, 2022:

- Ten (10) copies of site plans entitled "Site Operations/Development Plan, prepared for Gateway Montville, LLC, 125 Depot Rd (M/B/L 071-007-000), 133 Depot Rd (M/B/L 071-001-000), Depot Rd (M/B/L 071-013-000) and 55 Dock Rd (M/B/L 071-008-000), Uncasville, Connecticut, May 2022, Rev. B – Per Town Staff Review – 7/5/22."
- Ten (10) copies of a memorandum prepared by RACE Coastal Engineering entitled "FEMA Compliance Review – 125 Depot Road, Montville, CT."
- Ten (10) copies of the completed CT DEEP Industrial Stormwater Discharge permits for 125 and 133 Depot Road.
- Ten (10) copies of proposed lighting fixture cut sheets.
- Ten (10) copies of sketches of the proposed overhead conveyor from the pier to the shore provided per the Town Engineer's review letter.

Please see below for a summary of the comments received and responses reflected by the revised plans and documents.



- Traffic: 1. A representative of F.A. Hesketh & Associates, Inc. should be present at the July 12, 2022 meeting to summarize the report. 2. The report does not address site activity that will commence after the Phase II filling for new rail spurs and additional volume for the transporting of materials to the site for shipping from it. A modified study should be presented at the time the Applicant applies for future phases of activities.
 - A representative of F.A. Hesketh & Associates, Inc. has been requested to be present on July 12 to present the findings of the traffic study for the development. The traffic study will be updated to accommodate future phases of development in conjunction with future Site Plan Applications to the Planning & Zoning Commission.
- Flood Hazard Zone: The project as submitted appears to be compliant with Zoning Regulations Section 15.2 (Special Flood Hazard Area Requirements – SFHA). Submit a copy of the report that supports the designation of tidally influenced.
 - RACE Coastal Engineering has prepared the enclosed FEMA Compliance Review Memorandum. The memorandum states that the proposed development is consistent with Section 15.2 of the Montville Zoning Regulations as the development does not result in an increase in the water surface elevation of the base flood.
- Provide a list of all required State of CT DEEP permits and copies of any applications for permits submitted to date.
 - The construction of the proposed development requires registration for the Connecticut Department of Energy and Environmental Protection (CT DEEP) General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (registration submitted July 5, 2022). The operation of the site requires registration for the CT DEEP General Permit for the Discharge of Stormwater Associated with Industrial Activity (issued March 10, 2022 – GSI002986 and GSI002987). Construction of any pile supported structures or ramps to facilitate access to the existing pier will require permits from the United States Army Corps of Engineers (USACOE) and CT DEEP.
- Cover Sheet. Revise to add address & map/block/lot number for all four properties involved in this application (125 Depot Rd (M/B/L 071-007-000) & 133 Depot Rd (M/B/L 071-001-000), Depot Rd (M/B/L 071-013-000) and 55 Dock Rd (M/B/L 071-008-000), Uncasville, CT) to the main title (vs., or in addition to, listed below on lower left side).
 - The title has been revised as requested.
- Depot Rd MBL 071-013-000 property lines are not shown on the plan set, including survey plan.
 - The property line has been added to all sheets in the plan set.
- 55 Dock Road is not shown on survey plan. Revise to add.
 - 55 Dock Road Improvement Location & Topographic Survey has been added as Sheet 5.
- Advise any cross easements required for the four properties to be utilized as one facility.
 - Gateway Montville LLC's lease area for the construction and operation of the facility encompasses all four properties and as such cross easements are not required.
- Revise plan to add sheet (similar to Sheet 17) showing boundaries of all properties and limits of flood zones.
 - An overall aerial photo of the property showing property lines and the limits of the Special Flood Hazard Area has been added to Sheet 23.

- Sheet 7. Revise Zoning Compliance table to include information for all four lots (v. 125 & 133 Depot Road. Add setbacks for office trailer structure.
 - The Zoning Compliance Table has been updated to include all four lots. The proposed office trailer is located on MBL 071-013-000 and the setbacks to the structure have been added to the table.
- Guard Shack structure is located in Town Right of way and is being proposed for use by the Applicant. Town of Montville shall determine if the use of the structure is permitted or the structure shall be removed.
 - The structure is an existing non-conformity that is intended to be used as a security office consistent with its historical use at the facility. The applicant is willing to add the Town of Montville as an additional insured with respect to the use of the guard shack located within the right-of-way.
- Revise plan to show site lighting locations and detail for lights.
 - Lighting cut sheets are enclosed with this letter and a photometrics plan has been added as Sheet 24.
- Revise plan to show detail for proposed evergreen trees.
 - A tree planting detail is included on Sheet 23. Per the note on Sheets 8 and 9 the proposed Green Giant arborvitae shall be planted at 6 feet on center and shall be 6 feet tall at the time of planting.
- Revise plan to show retaining walls on 55 Dock Road adjacent to Town lease area and wall details.
 - The proposed retaining wall and construction detail have been added to Sheet 18.
- Driveways shown on site plan and driveway profile plan are disconnected in some locations. Revise to show complete driveway boundaries.
 - The match line location has been revised to display the proposed driveway on a single sheet. The proposed driveway is also shown in plan and profile for its entirety on Sheet 17.
- Are you really proposing no new connection and no use of a water service for the site?
 - There is no need for water or sewer service for the currently proposed use of the site.
- Are you really proposing not to utilize the sewer pump station and to only “Harden it” against flood elevations?
 - The pump station top of frame elevations are proposed to be adjusted in conjunction with the overall grading of the site to raise the area above the base flood elevation for possible future development. The pump station structure is intended to be protected in this fashion so it could be available to serve any future development that might occur.
- Will there be any use of water and sewer in the existing building to be repurposed for office space?
 - The existing security office is not served by water or sewer and there is no intention to connect the building to water or sewer as part of this proposal. The proposed portable toilet is intended to be used by any staff in the security office.

If you have any questions regarding this correspondence or the attached documents, please contact me at your convenience.

Sincerely,



David C. McKay, P.E.
Boundaries LLC



John U. Faulise Jr., L.S.
Boundaries LLC

MEMORANDUM

TO: MARK AUGUR, GATEWAY TERMINAL
JOHN REECE, GATEWAY TERMINAL
FROM: DEVIN SANTA, PE & HAILEY SIMPSON
SUBJECT: FEMA COMPLIANCE REVIEW – 125 DEPOT ROAD, MONTVILLE, CT
DATE: MAY 26, 2022
CC: RACE FILE NO. 2022035

RACE Coastal Engineering (RACE) has conducted a review of impacts to FEMA flood zones associated with placement of fill at 125 Depot Road in Montville, CT. The analysis was performed along Horton Cove and the Thames River adjacent to the project site using the U.S. Army Corps of Engineers' (USACE) Hydrologic Engineering Center's River Analysis System (HEC-RAS). The primary purpose of the review is to determine whether the proposed structural fill will impact the water surface elevations on the project site and adjacent sites, when compared to the existing water surface elevations associated with the existing site conditions.

The USACE's Hydrologic Engineering Center's River Analysis System (HEC-RAS) was used to perform a one-dimensional (1-D) steady flow model of the river system adjacent to the project site. The 1-D HEC-RAS model allows the user to calculate water surface profiles along the length of the river as a function of recorded hydraulic variables and the geometry of the river based on existing and proposed conditions at the project site. For this analysis, the model uses the one-dimensional energy equation to calculate the water surface profiles for gradually varied flow. The 1-D steady flow analysis calls upon the known baseline flow rate of the river and the known baseline water-surface elevation of the river associated with a specific storm event. In addition, the geometry of the river system is able to be altered to represent the natural river system as well as a river system that has added structural components such as structural fill, culverts, bridges and buildings. As structural elements are added into the HEC-RAS model, energy losses around these objects are assessed by the momentum equation, energy losses due to differences in bottom friction and water velocity differences surrounding the structures.

The HEC-RAS model was used to compute the hydraulic properties of the river adjacent to the project site to determine if the effective FEMA flood zone base flood elevations (BFE) per FEMA Flood Insurance Rate map (FIRM) No. 09011C0361J, with an effective date of August 5, 2013, will be impacted by the proposed structural fill at the project site. In accordance with recommended FEMA guidelines, the hydraulics were computed for a 100-year design storm event. The topographic/bathymetric data and hydraulic flow data assumptions for the storm simulation that were used throughout the HEC-RAS model analysis have been listed below:

Planimetric & Topographic/Bathymetric Data Assumptions

- Topographic/Bathymetric Data:
 - "Connecticut Statewide Lidar DEM 2016" prepared by NOAA Office for Coastal Management
 - NOS Survey Id. H08936 – New London to Norwich general locality Thames River prepared by National Ocean Survey, N.O.A.A. dated February 12, 1969

- “Site Operations/Development Plan, 125 & 133 Depot Road” prepared for Gateway Montville, LLC, 125 & 133 Deopt Road, Uncasville, Connecticut, progress print dated 05-05-2022
 - FEMA FIS #09011CV001C revised April 3, 2020
- Manning’s n Values:
 - Derived from site photographs and from the HEC-RAS River Analysis System – Hydraulic Reference Manual Version 5.0 – Basic Data Requirements – Chapter 3 – Table 3-1 dated February 2016
- Site Assumptions:
 - **RACE** site visit on April 8, 2022

Hydraulic Flow Data Assumptions – 100-year Storm Simulation

Table 1: Hydraulic Data Numerical Assumptions

	Water Surface Elevation (ft)	Water Discharge Flow Rate (cfs)
Horton Cove	Not Applicable	3410
Thames River (Upstream)	Not Applicable	81300
Thames River (Downstream)	11	84710

- 100-year Storm Base Flood Water Surface Elevation
 - FEMA FIRM No. 09011C0361J effective August 5, 2013 – AE Zone with BFE elevation +11 feet
- 100-year Storm Base Flood Peak Discharge Flow Rate
 - StreamStats Report – Horton Cove, Region ID: CT, Workspace ID: CT20220503151650398000, Clicked Point (Latitude, Longitude): 41.43840, -72.09608, Time: 2022-05-03 08:17:22 -0700
 - StreamStats Report – Thames River, Region ID: CT, Workspace ID: CT20220502211040691000, Clicked Point (Latitude, Longitude): 41.44768, -72.08435, Time: 2022-05-02 14:11:15 -0700
- Assumed Subcritical Flow for the 100-year Storm Simulation

The 100-year storm peak discharge flow rates for Horton Cove and the Thames River were entered into the hydraulic flow model upstream of the project site and at their confluence. Since the Thames River is a gradually sloped, natural river system, subcritical flow was assumed and used for the computations. As such, computations began at the downstream end of the modeled river reach, and the 100-year base flood water surface elevation was entered as the downstream boundary condition. The 100-year base flood water surface elevation includes storm surge originating from the Long Island Sound.

Hydraulic flow assumptions applied within the existing condition HEC-RAS model remained consistent when calculating the hydraulic outputs for the proposed condition HEC-RAS model. Topographic changes between the existing and proposed site conditions were taken from the site operations/development plan. Proposed topographic data was inserted into the proposed HEC-RAS model and cross sections were taken



at the same locations as the existing HEC-RAS model to provide a proper comparison of the hydraulic outputs.

Water surface elevation (WSE) is a direct hydraulic output of the HEC-RAS model and therefore the changes in WSE between the existing and proposed site conditions were compared. The Town of Montville Zoning Regulations Section 15.2 Special Flood Hazard Area (SFHA) Requirements state:

In AE-Zones where base flood elevations have been determined, but before a floodway is designated, require that no new construction, substantial improvement, or other development (including fill) be permitted which would increase base flood elevations more than one foot (1') at any point within the community when all anticipated development is considered cumulatively with the proposed development.

Table 2, below, depicts the HEC-RAS model WSE outputs at each HEC-RAS river station for the existing and proposed site conditions. The effective FEMA BFE as depicted on FEMA FIRM No. 09011C0361J, with an effective date of August 5, 2013, is included to compare the HEC-RAS WSE outputs for each condition with the effective BFE published by FEMA.



Table 2: Water Surface Elevation Summary Table - Existing vs. Proposed HEC-RAS Model

River Reach	HEC-RAS River Station	Water Surface Elevation (Feet)			Effective FEMA Base Flood Elevation** (BFE)
		Existing Model	Proposed Model	Change in Water Surface Elevation	
Thames River (Upstream)	14421	11.41	11.41	0	12
	13206	11.38	11.38	0	12
	12100	11.32	11.32	0	12
	11636	11.29	11.30	0.01	12
	11041	11.30	11.30	0	12
	10525	11.27	11.28	0.01	12
	9975	11.12	11.13	0.01	12
	9288	11.06	11.06	0	12
	8882	11.09	11.09	0	12
	8534	11.10	11.10	0	12
Thames River (Downstream)	7340	11.12	11.12	0	11
	6822*	11.12	11.12	0	11
	6585*	11.07	11.07	0	11
	6198*	11.05	11.04	-0.01	11
	5703	11.04	11.04	0	11
	5271	11.06	11.06	0	11
	4475	11.06	11.06	0	11
	3146	11.03	11.03	0	11
	1756	11.01	11.01	0	11
	822	11.00	11.00	0	11
Horton Cove	1373	11.21	11.21	0	12
	565	11.21	11.21	0	12

*HEC-RAS river stations located at the project site.

**FEMA FIRM No. 09011C0361J, with an effective date of August 5, 2013

In agreement with the Town of Montville Zoning Regulations Section 15.2 Special Flood Hazard Area (SFHA) Requirements, the HEC-RAS model WSE outputs of the proposed site conditions do not increase the base flood elevations more than one foot (1') at any point within the community when compared to the WSE output of the existing site conditions. Additionally, the HEC-RAS model WSE outputs for the proposed model are less than or equal to the base flood elevations depicted on the FEMA FIRM No. 09011C0361J, with an effective date of August 5, 2013. It is the professional opinion of **RACE**, based on our review of FEMA's data and the existing and proposed site grading plans, that the proposed structural fill is compliant with the Town of Montville Zoning Regulations Section 15.2 Special Flood Hazard Area (SFHA) Requirements.





Connecticut Department of
Energy & Environmental Protection
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

General Permit Registration Form for
the Discharge of Stormwater
Associated with Industrial Activity

CPPU USE ONLY

App #: _____

Doc #: _____

Check #: _____

Program: Stormwater

Part I: Registration Types and Timelines

Registration Types	
<input type="checkbox"/>	New Registration (of an expired permit) Previous Permit No. GSI _____
<input checked="" type="checkbox"/>	New Registration Are you on a site where industrial activity has been previously located? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are you proposing a new industrial activity on a site where industrial activity has not been previously located? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/>	Replacement of NPDES If selected, please provide on the line below permit #'s for the previously authorized discharge(s) _____

Registration Timelines	
<input checked="" type="checkbox"/>	For new registrants, without an electronically available Pollution Prevention Plan: Ninety (90) days prior to the initiation of the industrial activity
<input type="checkbox"/>	With an electronically available Pollution Prevention Plan: Sixty (60) days prior to the initiation of the industrial activity

Part II: Fee Information

☐ A fee of \$250.00 applies to:

Municipalities (50% discount of \$500 fee per CGS 22a-6)

☐ A fee of \$500.00 applies to:

Companies that employ fewer than fifty (50) employees statewide (excluding seasonal employees employed no more than 120 days in a year) **or** have gross annual sales of less than five (5) million dollars.

Federal or state operated industrial activities.

Small scale compositing facilities.

☒ A fee of \$1,000.00 applies to:

Companies that employ fifty (50) or more employees statewide (excluding seasonal employees employed no more than 120 days in a year) **and** have gross annual sales of greater than five (5) million dollars.

The registration will not be processed without the fee. The registration fee is non-refundable and shall be paid by check or money order payable to the Department of Energy and Environmental Protection.

Part III: Registrant Information

1. Registrant /Client Name: Gateway Montville, LLC

Registrant Type: Registrant

Secretary of the State business ID #: _____

Mailing Address: 125 Depot Rd

City/Town: Uncasville

State: CT

Zip Code: 06382

Business Phone: (203)467-1997

ext.: _____

Example: (xxx) xxx-xxxx

Contact Person: Mark Augur

Title : Co-COO

E-Mail: maugur@gatewayt.com

Additional Phone Number (if applicable): _____

ext. _____

2. Verify that the Registrant is the **operator** of the proposed activity:

☒ Yes

Part III: Registrant Information (continued)

3. Billing Contact

Contact Person: Mark Augur Title: Co-COO
Mailing Address: 400 Waterfront St
City/Town: New Haven State: CT Zip Code: 06512
Business Phone: (203)467-1997 ext. _____
Email: maugur@gatewayt.com

4a. Primary contact for departmental correspondence and inquiries.

Contact Person: _____ Title: _____
Mailing Address: 125 Depot Rd
City/Town: Uncasville State: CT Zip Code: 06382
Business Phone: (203)467-1997 ext. _____
Email: maugur@gatewayt.com

4b. Site contact if registrant is out of state.

☐ Not applicable

Contact Person: _____ Title: _____
Mailing Address: 125 Depot Rd
City/Town: Uncasville State: CT Zip Code: 06382
Business Phone: (203)467-1997 ext. _____
Email: maugur@gatewayt.com

5. List engineering consultant, attorney or other representative employed or retained to assist in preparing the registration or maintaining permit compliance.

Consultant/Firm Name: Tetra Tech Inc. Consultant Type: Environmental Consultant
Contact Person: Steven Babcock Title: Sr. Consulting Engineer
Mailing Address: 10 Post Office Sq
City/Town: Boston State: MA Zip Code: 02109
Business Phone: (617)443-7533 ext. _____
Email: steven.j.babcock@tetrattech.com
Service Provided: _____
Secretary of the State business ID #: _____

Part IV: Site Information

1. Please provide the name of your site and address below:

Site Name: Gateway Montville, LLC

Street Address or Location Description: 125 Depot Rd

City/Town: Uncasville

State: CT

Zip Code: 06382

2. Primary four digit Standard Industrial Classification (SIC) Code for industrial activities: 4449

a. Primary SIC description: 4449, Water Transportation of Freight, n.e.c.

b. For activities without a specific SIC code, provide a description: _____

3. Are you a small scale composting facility composting horse manure and/or bedding? ☐ Yes ☒ No

Note : If "yes", then you are required to submit a Pollution Prevention Plan with your registration.

4. a. Are you proposing to authorize a stormwater discharge from a new road salt de-icing materials storage facilities at the site in question? ☐ Yes ☒ No

Note: If "yes" , proceed to questions 4.b. and 4.c. If "no" , proceed to question 5.

b. Is the site located in a 100 yr floodplain, as defined and mapped under 44 CFR 59? ☒ Yes ☐ No ☐ NA

c. Is the site within 250 feet of a well utilized for potable drinking water supply or within a Level A aquifer protection area as defined by mapping pursuant to Section 22a-354c of the Connecticut General Statutes? ☐ Yes ☐ No ☒ NA

Note: If you answered "yes" to question 4c **and** also answered "yes" to either 4a and/or 4b, you are **not** eligible to register under this permit. Call DEEP staff at 860-424-3018 to discuss other permitting options.

5. a. Is there exposure or the potential for exposure of your stormwater to mercury? ☐ Yes ☒ No

b. Is there exposure or the potential for exposure of your stormwater discharge to Polychlorinated biphenyls (PCBs)? ☐ Yes ☒ No

If you answered "yes" to questions 5a or 5b, you may be required to conduct additional monitoring. Refer to Impaired Waters Monitoring Requirements Table for specific monitoring information for your site.

Monitoring requirements are listed by Watershed ID # or 305 B ID #, refer to Part V, Section 3 of the Registration Instructions DEEP-GP-INST-014 for information on how to find your ID #.

6. Do you have any stormwater point source discharges to the ground? ☐ Yes ☒ No
If "yes", then fill out Table 4 in Part V of this form.

7. **INDIAN LANDS:** Is or will the facility be located on federally recognized Indian lands? ☐ Yes ☒ No

Part IV: Site Information (continued)

- 8. COASTAL BOUNDARY:** Is the activity which is the subject of this registration located within the coastal boundary as delineated on DEEP approved coastal boundary maps? ☒ Yes ☐ No

The coastal boundaries fall within the following towns: Branford, Bridgeport, Chester, Clinton, Darien, Deep River, East Haven, East Lyme, Essex, Fairfield, Greenwich, Groton (City and Town of) Old Lyme, Guilford, Hamden, Ledyard, Lyme, Madison, Milford, Montville, New London, New Haven, North Haven, Norwalk, Norwich, Old Saybrook, Orange, Preston, Shelton, Stamford, Stonington (Borough and Town of), Stratford, Waterford, West Haven, Westbrook and Westport.

If "yes", and this registration is for a new authorization, you must submit a Coastal Consistency Review Form (DEP-APP-004) with your registration as Attachment B. Information on the coastal boundary is available at the local town hall or on the [DEEP Map Catalog](#). Additional DEEP Maps and Publications are available by contacting DEEP staff at 860-424-3555.

- 9. ENDANGERED OR THREATENED SPECIES:** Is the project site located within an area identified as a habitat for endangered, threatened or special concern species as identified on the "State and Federal Listed Species and Natural Communities Map"? ☐ Yes ☒ No

Date of Map: _____ (Date of map should be one year or less than the submittal date of this application)

If "yes", complete and submit a Request for NDDB State Listed Species Review Form (DEP-ARP-007) to the address specified on the form.

Note: NDDB review generally takes 4 to 6 weeks and may require additional documentation from the registrant. DEEP strongly recommends that registrants complete this process before submitting the subject registration.

The CT NDDB response **must** be submitted with this completed registration as Attachment C. For more information visit the DEEP website at [Natural Diversity Data Base](#) or call the NDDB at 860-424-3011.

- 10. AQUIFER PROTECTION AREAS:** Is the site located within a mapped [Aquifer Protection Area](#) as defined in Section 22a-345h of the CT General Statutes? ☐ Yes ☒ No

If "yes", are any of the regulated activities as defined in [Section 22a-354i-1\(34\)](#) of the CT Aquifer Protection Area Land Use Regulations conducted on this site? ☐ Yes ☐ No ☒ NA

If "yes", select the primary regulated activity conducted on this site:

Not Applicable

For more information about the Aquifer Protection Areas, call 860-424-3020.

- 11. CONSERVATION OR PRESERVATION RESTRICTION:** Is the property subject to a conservation or preservation restriction? ☐ Yes ☒ No

Part V: Stormwater Discharge Information

Table 1

1. Identify the type, material, size and location of conveyances, outfalls, or channelized flows that convey your discharges:

Outfall #	a) Type	b) Pipe Material	c) Pipe Size	d) Note: To find lat/long, go to: CT ECO . A decimal format is required here . Directions on how to use CT ECO to find lat. /long. and conversions can be found in Part V, section d of the DEEP-GP-INST-014 .		e) What method was used to obtain your latitude /longitude information?
				Longitude (-xx.xxxxxx)	Latitude (xx.xxxxxx)	
1	Pipe	Plastic	10"	-72.096529	41.435717	ezFile Portal Map
2	Pipe	Plastic	4"	-72.095692	41.435315	ezFile Portal Map
3	Pipe	Plastic	4"	-72.096164	41.434382	ezFile Portal Map
4	Pipe	Plastic	18"	-72.096314	41.434286	ezFile Portal Map
5	Pipe	Concrete	12"	-72.098224	41.432436	ezFile Portal Map

Table 2

2. Identify discharges which drain to non-fresh-tidal wetlands						
a. Do you have any outfalls that discharge to a tidal wetland (that is not a fresh-tidal wetland) where the discharge(s) is located within 500' of the receiving tidal wetland?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
b. If you answered "yes" to question 2.a., list the outfalls and select whether or not you have met the requirements to retain the volume of runoff from 1" of rain for each drainage area. If you answered "no" to question 2.a., proceed to Table 3.		Outfall	Meets the requirement of Section 5(a)1 of the subject general permit to retain the volume of runoff from 1" of rainfall.			
		1	<input type="checkbox"/> YES	<input type="checkbox"/> NO*	<input checked="" type="checkbox"/> NA	
		2	<input type="checkbox"/> YES	<input type="checkbox"/> NO*	<input checked="" type="checkbox"/> NA	
		3	<input type="checkbox"/> YES	<input type="checkbox"/> NO*	<input checked="" type="checkbox"/> NA	
		4	<input type="checkbox"/> YES	<input type="checkbox"/> NO*	<input checked="" type="checkbox"/> NA	
		5	<input type="checkbox"/> YES	<input type="checkbox"/> NO*	<input checked="" type="checkbox"/> NA	
* Note: If "no" has been selected for any outfall in question 2.b., additional documentation is required by section 5(a)(2) of the general permit and must be submitted as Attachment E of this registration.						

Part V: Stormwater Discharge Information (continued)

Table 3

3. Provide the following information about the receiving water(s)/wetland(s) that receive stormwater runoff from your site, either directly or through the Municipal Separate Storm Sewer System (MS4):

Outfall #	a) To what system or receiving water does your stormwater runoff discharge? (If you select MS4 or wetlands, columns c.1&2 of this table are not required to be completed)	b) What is your watershed ID (freshwater) or 305b ID (estuary)? (Section 3.b, of the DEEP-PED-INST-14, explains how to find this information)	c.1) Is your receiving water identified as an impaired water?			If you answered yes to question c.1, then answer the question below.		
			YES <input type="checkbox"/>	NO <input type="checkbox"/>	NA <input type="checkbox"/>	c.2) Has any Total Maximum Daily Load (TMDL) been approved for your receiving waterbody?		
1	Waterbody		<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA
2	Waterbody		<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA
3	Waterbody		<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA
4	Waterbody		<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA
5	Waterbody		<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA

Table 4

4. The following table must be filled out ONLY if you have a discharge to the ground through an infiltration system. Provide information of any stormwater discharge(s) to the ground through Class V injection wells. Note that this permit does not authorize discharges to the ground. This information is for informational purposes only. For additional information visit <u>EPA Groundwater Class V</u> .					
a) Well Identifier	b) Description of Discharge	c) Discharge Volume (average flow/ gallons per day)	d) Note: To find lat/long, go to: <u>CT ECO</u> . A decimal format is required here. Directions on how to use CT ECO to find lat./long. and conversions can be found in Part V, section d of the <u>DEEP-GP-INST-014</u> .		e) What method was used to obtain your latitude/longitude information?
			Longitude (-xx.xxxxxx)	Latitude (xx.xxxxxx)	
None Provided					Select One
					Select One
					Select One
					Select One
					Select One

Part VI: Pollution Prevention Plan Availability

If available, provide an internet address (URL) where the Plan required by Section 5(c) of the subject general permit is accessible for public review.

- ☐ Select here for facilities that will be making an electronic Plan available pursuant to Section 4(c) (2) (H) & (D) of the subject general permit. Provide an email address of the contact person from which to obtain the plan.

Email Address: _____

(URL): _____

Internet Address (URL) where the Plan will be electronically available.

- ☒ Select here for facilities that will **not** be making an electronic Plan available pursuant to Section 4(c)(2) (H) & (D) of the subject general permit.

Part VII: Confidential Information in the Pollution Prevention Plan

If the registrant claims that certain elements of the Plan constitute a trade secret or are otherwise exempt from the disclosure requirements of the state Freedom of Information Act (FOIA), they shall follow the procedure below regarding information subject to FOIA requirements.

Does your plan withhold certain confidential information from the public? ☐ Yes ☐ No

Please see directions below regarding withholding information.

Instructions for plan confidentiality:

Under the Connecticut Freedom of Information Act (FOIA), a Registrant may have reason to withhold from public disclosure certain information in a plan or document prepared and maintained pursuant to a requirement of the general permit. Such information in a plan or document may be redacted provided the Registrant makes specific notation on the registration form filed with the Department: (1) that such claim is being made with a brief explanation of the type of information being withheld or redacted and the reason(s) therefore; and (2) of the location within the plan or document where such information has been redacted review either or removed. A plan or document that is being made available for public on a website or provided directly to a member of the public as a hardcopy may be in its redacted form. However, when the Department requests such plan or document be submitted for Department review, the Department will require that it be submitted in its unredacted form, in which case the Registrant must specify the information within such plan or document that is claimed to be confidential with the specific notations described above. The Department will not release any such information to the public which the Registrant claims must be withheld unless a determination has been made by the Department and any subsequent appeal of such determination filed with the Connecticut Freedom of Information Commission results in a determination that such information shall not be withheld from the public. If the Registrant seeks a determination regarding such claim of confidentiality from the Connecticut Freedom of Information Commission without obtaining a prior determination from the Department, the Registrant shall notify the Department in writing of such pending determination, at which time the Department will not release such information to the public unless otherwise determined by the Connecticut Freedom of Information Commission.


Part VIII: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.

I certify that this permit application is on complete and accurate forms as prescribed by the commissioner without alteration of the text.

I also certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater from Industrial Activity issued on August 23, 2010 (effective date of October 1, 2011), that all conditions for eligibility for authorization under the general permit are met, all terms and conditions of the general permit are being met for all discharges which have been initiated and are the subject of this registration, and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements."

 12/10/2021	
Signature of Registrant and Date	
Mark Augur	Co-COO
Name of Registrant (print or type)	Title (if applicable)
Signature of Preparer and Date	
Name of Preparer (print or type)	Title (if applicable)

Mark Augur

From: eFiling@ct.gov
Sent: Friday, December 10, 2021 2:57 PM
To: Mark Augur
Cc: karen.abbott@ct.gov; steven.j.babcock@tetrattech.com
Subject: Filing 78885 submitted successfully
Attachments: Submission Receipt.xml

Hello Mark Augur,

Thank you for submitting your form online. Your filing id is 78885.

Your submission receipt is attached.

The filing can be viewed on your home page under 'Open Filings' on the [DEEP ezFile Portal](#)

Thank You,

Department of Energy and Environmental Protection

Approved: March 10, 2022

Permit # GS1002987



**Connecticut Department of
Energy & Environmental Protection**
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

**General Permit Registration Form for
the Discharge of Stormwater
Associated with Industrial Activity**

CPPU USE ONLY

App #: _____

Doc #: _____

Check #: _____

Program: Stormwater

Part I: Registration Types and Timelines

Registration Types	
<input type="checkbox"/>	New Registration (of an expired permit) Previous Permit No. GSI _____
<input checked="" type="checkbox"/>	New Registration Are you on a site where industrial activity has been previously located? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are you proposing a new industrial activity on a site where industrial activity has not been previously located? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/>	Replacement of NPDES If selected, please provide on the line below permit #'s for the previously authorized discharge(s) _____

Registration Timelines	
<input checked="" type="checkbox"/>	For new registrants, without an electronically available Pollution Prevention Plan: Ninety (90) days prior to the initiation of the industrial activity
<input type="checkbox"/>	With an electronically available Pollution Prevention Plan: Sixty (60) days prior to the initiation of the industrial activity

Part II: Fee Information

☐ A fee of \$250.00 applies to:

Municipalities (50% discount of \$500 fee per CGS 22a-6)

☐ A fee of \$500.00 applies to:

Companies that employ fewer than fifty (50) employees statewide (excluding seasonal employees employed no more than 120 days in a year) **or** have gross annual sales of less than five (5) million dollars.

Federal or state operated industrial activities.

Small scale compositing facilities.

☒ A fee of \$1,000.00 applies to:

Companies that employ fifty (50) or more employees statewide (excluding seasonal employees employed no more than 120 days in a year) **and** have gross annual sales of greater than five (5) million dollars.

The registration will not be processed without the fee. The registration fee is non-refundable and shall be paid by check or money order payable to the Department of Energy and Environmental Protection.

Part III: Registrant Information

1. Registrant /Client Name: Gateway Montville, LLC

Registrant Type: Registrant

Secretary of the State business ID #: _____

Mailing Address: 133 Depot Rd

City/Town: Uncasville

State: CT

Zip Code: 06382

Business Phone: (203)467-1997

ext.: _____

Example:(xxx) xxx-xxxx

Contact Person: Mark Augur

Title : Co-COO

E-Mail: maugur@gatewayt.com

Additional Phone Number (if applicable): _____

ext. _____

2. Verify that the Registrant is the **operator** of the proposed activity:

☒ Yes

Part III: Registrant Information (continued)

3. Billing Contact

Contact Person: Mark Augur Title: Co-COO
Mailing Address: 400 Waterfront St
City/Town: New Haven State: CT Zip Code: 06512
Business Phone: (203)467-1997 ext. _____
Email: maugur@gatewayt.com

4a. Primary contact for departmental correspondence and inquiries.

Contact Person: _____ Title: _____
Mailing Address: 125 Depot Rd
City/Town: Uncasville State: CT Zip Code: 06382
Business Phone: (203)467-1997 ext. _____
Email: maugur@gatewayt.com

4b. Site contact if registrant is out of state.

☐ Not applicable

Contact Person: _____ Title: _____
Mailing Address: 125 Depot Rd
City/Town: Uncasville State: CT Zip Code: 06382
Business Phone: (203)467-1997 ext. _____
Email: maugur@gatewayt.com

5. List engineering consultant, attorney or other representative employed or retained to assist in preparing the registration or maintaining permit compliance.

Consultant/Firm Name: TETRA TECH, INC. Consultant Type: Environmental Consultant
Contact Person: Steven Babcock Title: Sr. Consulting Engineer
Mailing Address: 10 Post Office Sq
City/Town: Boston State: MA Zip Code: 02109
Business Phone: (617)443-7533 ext. _____
Email: steven.j.babcock@tetrattech.com
Service Provided: _____
Secretary of the State business ID #: 0289348

Part IV: Site Information

1. Please provide the name of your site and address below:

Site Name: Gateway Montville, LLC

Street Address or Location Description: 133 Depot Rd

City/Town: Uncasville

State: CT

Zip Code: 06382

2. Primary four digit Standard Industrial Classification (SIC) Code for industrial activities: 4449

a. Primary SIC description: 4449, Water Transportation of Freight, n.e.c.

b. For activities without a specific SIC code, provide a description: _____

3. Are you a small scale composting facility composting horse manure and/or bedding? ☐ Yes ☒ No

Note : If "yes", then you are required to submit a Pollution Prevention Plan with your registration.

4. a. Are you proposing to authorize a stormwater discharge from a **new** road salt de-icing materials storage facilities at the site in question? ☒ Yes ☐ No

Note: If "yes", proceed to questions 4.b. and 4.c. If "no", proceed to question 5.

b. Is the site located in a 100 yr floodplain, as defined and mapped under 44 CFR 59? ☐ Yes ☒ No ☐ NA

c. Is the site within 250 feet of a well utilized for potable drinking water supply or within a Level A aquifer protection area as defined by mapping pursuant to Section 22a-354c of the Connecticut General Statutes? ☐ Yes ☒ No ☐ NA

Note: If you answered "yes" to question 4c **and** also answered "yes" to either 4a and/or 4b, you are **not** eligible to register under this permit. Call DEEP staff at 860-424-3018 to discuss other permitting options.

5. a. Is there exposure or the potential for exposure of your stormwater to mercury? ☐ Yes ☒ No

b. Is there exposure or the potential for exposure of your stormwater discharge to Polychlorinated biphenyls (PCBs)? ☐ Yes ☒ No

If you answered "yes" to questions 5a or 5b, you may be required to conduct additional monitoring. Refer to Impaired Waters Monitoring Requirements Table for specific monitoring information for your site.

Monitoring requirements are listed by Watershed ID # or 305 B ID #, refer to Part V, Section 3 of the Registration Instructions DEEP-GP-INST-014 for information on how to find your ID #.

6. Do you have any stormwater point source discharges to the ground? ☐ Yes ☒ No
If "yes", then fill out Table 4 in Part V of this form.

7. **INDIAN LANDS:** Is or will the facility be located on federally recognized Indian lands? ☐ Yes ☒ No

Part IV: Site Information (continued)

- 8. COASTAL BOUNDARY:** Is the activity which is the subject of this registration located within the coastal boundary as delineated on DEEP approved coastal boundary maps? ☒ Yes ☐ No

The coastal boundaries fall within the following towns: Branford, Bridgeport, Chester, Clinton, Darien, Deep River, East Haven, East Lyme, Essex, Fairfield, Greenwich, Groton (City and Town of) Old Lyme, Guilford, Hamden, Ledyard, Lyme, Madison, Milford, Montville, New London, New Haven, North Haven, Norwalk, Norwich, Old Saybrook, Orange, Preston, Shelton, Stamford, Stonington (Borough and Town of), Stratford, Waterford, West Haven, Westbrook and Westport.

If "yes", and this registration is for a new authorization, you must submit a Coastal Consistency Review Form (DEP-APP-004) with your registration as Attachment B. Information on the coastal boundary is available at the local town hall or on the [DEEP Map Catalog](#). Additional DEEP Maps and Publications are available by contacting DEEP staff at 860-424-3555.

- 9. ENDANGERED OR THREATENED SPECIES:** Is the project site located within an area identified as a habitat for endangered, threatened or special concern species as identified on the "State and Federal Listed Species and Natural Communities Map"? ☐ Yes ☒ No

Date of Map: _____ (Date of map should be one year or less than the submittal date of this application)

If "yes", complete and submit a Request for NDDB State Listed Species Review Form (DEP-ARP-007) to the address specified on the form.

Note: NDDB review generally takes 4 to 6 weeks and may require additional documentation from the registrant. DEEP strongly recommends that registrants complete this process before submitting the subject registration.

The CT NDDB response **must** be submitted with this completed registration as Attachment C. For more information visit the DEEP website at [Natural Diversity Data Base](#) or call the NDDB at 860-424-3011.

- 10. AQUIFER PROTECTION AREAS:** Is the site located within a mapped [Aquifer Protection Area](#) as defined in Section 22a-345h of the CT General Statutes? ☐ Yes ☒ No

If "yes", are any of the regulated activities as defined in [Section 22a-354i-1\(34\)](#) of the CT Aquifer Protection Area Land Use Regulations conducted on this site? ☐ Yes ☐ No ☒ NA

If "yes", select the primary regulated activity conducted on this site:

Not Applicable

For more information about the Aquifer Protection Areas, call 860-424-3020.

- 11. CONSERVATION OR PRESERVATION RESTRICTION:** Is the property subject to a conservation or preservation restriction? ☐ Yes ☒ No

Part V: Stormwater Discharge Information

Table 1

1. Identify the type, material, size and location of conveyances, outfalls, or channelized flows that convey your discharges:

Outfall #	a) Type	b) Pipe Material	c) Pipe Size	d) Note: To find lat/long, go to: CT ECO . A decimal format is required here . Directions on how to use CT ECO to find lat. /long. and conversions can be found in Part V, section d of the DEEP-GP-INST-014 .		e) What method was used to obtain your latitude /longitude information?
				Longitude (-xx.xxxxxx)	Latitude (xx.xxxxxx)	
1	Pipe	Metal	24"	-72.097423	41.436217	ezFile Portal Map
	Select One	Select One	Select One			Select One
	Select One	Select One	Select One			Select One
	Select One	Select One	Select One			Select One
	Select One	Select One	Select One			Select One

Table 2

2. Identify discharges which drain to non-fresh-tidal wetlands		Do you have any outfalls that discharge to a tidal wetland (that is not a fresh-tidal wetland) where the discharge(s) is located within 500' of the receiving tidal wetland?		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
b. If you answered "yes" to question 2.a., list the outfalls and select whether or not you have met the requirements to retain the volume of runoff from 1" of rain for each drainage area. If you answered "no" to question 2.a., proceed to Table 3.	Outfall	Meets the requirement of Section 5(a)1 of the subject general permit to retain the volume of runoff from 1" of rainfall.			
	1	<input type="checkbox"/> YES	<input type="checkbox"/> NO*	<input checked="" type="checkbox"/> NA	
		<input type="checkbox"/> YES	<input type="checkbox"/> NO*	<input type="checkbox"/> NA	
		<input type="checkbox"/> YES	<input type="checkbox"/> NO*	<input type="checkbox"/> NA	
		<input type="checkbox"/> YES	<input type="checkbox"/> NO*	<input type="checkbox"/> NA	
* Note: If "no" has been selected for any outfall in question 2.b., additional documentation is required by section 5(a)(1) of the general permit and must be submitted as Attachment E of this registration.					

Part V: Stormwater Discharge Information (continued)

Table 3

3. Provide the following information about the receiving water(s)/wetland(s) that receive stormwater runoff from your site, either directly or through the Municipal Separate Storm Sewer System (MS4):

Outfall #	a) To what system or receiving water does your stormwater runoff discharge? (If you select MS4 or wetlands, columns c.1&2 of this table are not required to be completed)	b) What is your watershed ID (freshwater) or 305b ID (estuary)? (Section 3.b, of the DEEP-PED-INST-14, explains how to find this information)	c.1) Is your receiving water identified as an impaired water?	If you answered yes to question c.1, then answer the question below.		
				c.2) Has any Total Maximum Daily Load (TMDL) been approved for your receiving waterbody?		
1	Waterbody		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> NA
	Select One		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> NA
	Select One		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> NA
	Select One		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> NA
	Select One		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> NA

Table 4

4. The following table must be filled out ONLY if you have a discharge to the ground through an infiltration system. Provide information of any stormwater discharge(s) to the ground through Class V injection wells. Note that this permit does not authorize discharges to the ground. This information is for informational purposes only. For additional information visit <u>EPA Groundwater Class V</u> .					
a) Well Identifier	b) Description of Discharge	c) Discharge Volume (average flow/ gallons per day)	d) Note: To find lat/long, go to: CT ECO. A decimal format is required here. Directions on how to use CT ECO to find lat./long. and conversions can be found in Part V, section d of the DEEP-GP-INST-014.		e) What method was used to obtain your latitude/longitude information?
			Longitude (-xx.xxxxxx)	Latitude (xx.xxxxxx)	
None Provided					Select One
					Select One
					Select One
					Select One
					Select One

Part VI: Pollution Prevention Plan Availability

If available, provide an internet address (URL) where the Plan required by Section 5(c) of the subject general permit is accessible for public review.

- ☐ Select here for facilities that will be making an electronic Plan available pursuant to Section 4(c) (2) (H) & (D) of the subject general permit. Provide an email address of the contact person from which to obtain the plan.

Email Address: _____

(URL): _____

Internet Address (URL) where the Plan will be electronically available.

- ☒ Select here for facilities that will **not** be making an electronic Plan available pursuant to Section 4(c)(2) (H) & (D) of the subject general permit.

Part VII: Confidential Information in the Pollution Prevention Plan

If the registrant claims that certain elements of the Plan constitute a trade secret or are otherwise exempt from the disclosure requirements of the state Freedom of Information Act (FOIA), they shall follow the procedure below regarding information subject to FOIA requirements.

Does your plan withhold certain confidential information from the public?

☐ Yes ☐ No

Please see directions below regarding withholding information.

Instructions for plan confidentiality:

Under the Connecticut Freedom of Information Act (FOIA), a Registrant may have reason to withhold from public disclosure certain information in a plan or document prepared and maintained pursuant to a requirement of the general permit. Such information in a plan or document may be redacted provided the Registrant makes specific notation on the registration form filed with the Department: (1) that such claim is being made with a brief explanation of the type of information being withheld or redacted and the reason(s) therefore; and (2) of the location within the plan or document where such information has been redacted review either or removed. A plan or document that is being made available for public on a website or provided directly to a member of the public as a hardcopy may be in its redacted form. However, when the Department requests such plan or document be submitted for Department review, the Department will require that it be submitted in its unredacted form, in which case the Registrant must specify the information within such plan or document that is claimed to be confidential with the specific notations described above. The Department will not release any such information to the public which the Registrant claims must be withheld unless a determination has been made by the Department and any subsequent appeal of such determination filed with the Connecticut Freedom of Information Commission results in a determination that such information shall not be withheld from the public. If the Registrant seeks a determination regarding such claim of confidentiality from the Connecticut Freedom of Information Commission without obtaining a prior determination from the Department, the Registrant shall notify the Department in writing of such pending determination, at which time the Department will not release such information to the public unless otherwise determined by the Connecticut Freedom of Information Commission.

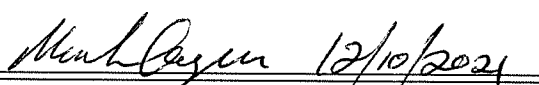
Part VIII: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.

I certify that this permit application is on complete and accurate forms as prescribed by the commissioner without alteration of the text.

I also certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater from Industrial Activity issued on August 23, 2010 (effective date of October 1, 2011), that all conditions for eligibility for authorization under the general permit are met, all terms and conditions of the general permit are being met for all discharges which have been initiated and are the subject of this registration, and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements."

 Signature of Registrant and Date	
Mark Augur	Co-COO
Name of Registrant (print or type)	Title (if applicable)
Signature of Preparer and Date	
Name of Preparer (print or type)	Title (if applicable)

Mark Augur

From: eFiling@ct.gov
Sent: Friday, December 10, 2021 1:51 PM
To: Mark Augur
Cc: karen.abbott@ct.gov; steven.j.babcock@tetrattech.com
Subject: Filing 78915 submitted successfully
Attachments: Submission Receipt.xml

Hello Mark Augur,

Thank you for submitting your form online. Your filing id is 78915.

Your submission receipt is attached.

The filing can be viewed on your home page under 'Open Filings' on the [DEEP ezFile Portal](#)

Thank You,

Department of Energy and Environmental Protection

Approved: March 10, 2022

Permit #: GS1002986



RSXF4 LED Floodlight

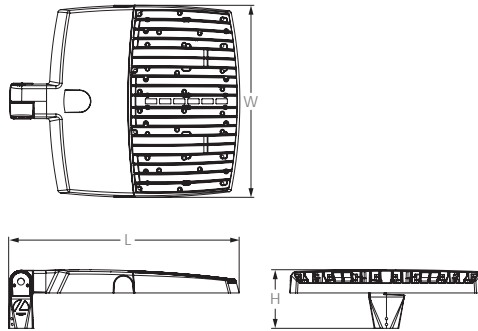


Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA (ft ² @45°):	5.5 ft ² (0.51 m ²)
Length:	30.0" (76.2 cm) (IS mount)
Width:	25.0" (63.5 cm)
Height:	3.0" (7.6 cm) Main Body 7.6" (19.3 cm) Arm
Weight (max):	68 lbs (30.8 kg)



Introduction

The new RSXF LED Flood family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSXF4 delivers 40,000 to 85,000 lumens allowing it to replace 1000W and 1500W HID floodlights.

The RSXF features an adjustable integral slipfitter that allows the luminaire to be mounted on a 2-3/8" OD tenon. Integral cover/wire box serves as an approved splice compartment allowing for fast, easy mounting and wiring without opening the electrical compartment. A yoke and other mounting configurations are available.

Ordering Information

EXAMPLE: RSXF4 LED P8 40K WFL MVOLT IS DDBXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSXF4 LED	P1 P2 P3 P4 P5 P6 P7 P8	30K 3000K 40K 4000K 50K 5000K	AWFD Area Wide Forward WFL Wide Flood MFL Medium Flood ¹ NFL Narrow Flood SP Spot NSP Narrow Spot	MVOLT (120V-277V) ² HVOLT (347V-480V) ³ (use specific voltage for options as noted) 120 ⁴ 277 ⁴ 208 ⁴ 347 ⁴ 240 ⁴ 480 ⁴	IS Adjustable slipfitter (fits 2-3/8" OD tenon) ⁵ YKC64 Yoke with 16-3 SO cord, 4ft ⁵ AASP Adjustable tilt arm square pole mounting ⁵ AARP Adjustable tilt arm round pole mounting ⁵ AAWB Adjustable tilt arm with wall bracket ⁵ AAWSC Adjustable tilt arm wall bracket and surface conduit box ⁵

Options		Finish	
Shipped Installed			
PE	Photocontrol, button style ^{6,7}	DDBXD	Dark Bronze
PEX	Photocontrol external threaded, adjustable ^{7,8}	DBLXD	Black
PER7	Seven-wire twist-lock receptacle only (no controls) ^{7,9,10,11}	DNAXD	Natural Aluminum
CE34	Conduit entry 3/4" NPT (Qty 2)	DWHXD	White
SF	Single fuse (120, 277, 347) ⁴	DDBTXD	Textured Dark Bronze
DF	Double fuse (208, 240, 480) ⁴	DBLBXD	Textured Black
SPD20KV	20KV Surge pack (10KV standard)	DNATXD	Textured Natural Aluminum
FAO	Field adjustable output ^{7,11}	DWHGXD	Textured White
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) ^{7,11}		
DS	Dual switching ^{7,11}		
Shipped Installed			
*Standalone and Networked Sensors/Controls (factory default settings, see table page 5)			
NLTAIR2	nLight AIR generation 2 ^{11,12}		
PIRHN	Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) ^{7,11,13,14}		
*Note: PIRHN with nLight Air can be used as a standalone dimming sensor with out-of-box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted.			
Shipped Separately (requires some field assembly)			
UBV	Upper/bottom visor		
FV	Full visor		
BS	Bird spikes ¹⁵		



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800-705-SERV (7378) • www.acuitybrands.com
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Lithonia RSXF4 Flood LED
Rev. 05/13/20
Page 1 of 8

Ordering Information

Accessories

Ordered and shipped separately.

RSXF4FV (FINISH) U	RSXF4 Full visor (specify finish)
RSXF4UBV (FINISH) U	RSXF4 Upper/bottom visor (specify finish)
DL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) ¹⁶
DL1347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) ¹⁶
DL1480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) ¹⁶
DSHORT SBK U	Shorting cap ¹⁶

NOTES

- 1 MFL not available with performance packages P7 and P8.
- 2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 3 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 4 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 5 Maximum tilt is 90° above horizontal.
- 6 Requires MVOLT or 347V.
- 7 Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, DS PIRHN).
- 8 Requires 120V, 208V, 240V, 277V or 347V.

- 9 Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.
- 10 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- 11 Two or more of the following options cannot be combined including DS, DMG, PER7, FAO and PIRHN.
- 12 Must be ordered with PIRHN.
- 13 Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- 14 Requires MVOLT or HVOLT.
- 15 Must be ordered with fixture for factory pre-drilling.
- 16 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



UBV Visor - Top Mounted



UBV Visor - Bottom Mounted

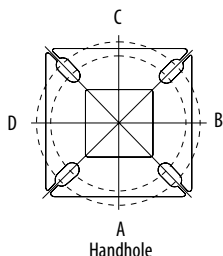


Full Visor - 360°

Pole/Mounting Information

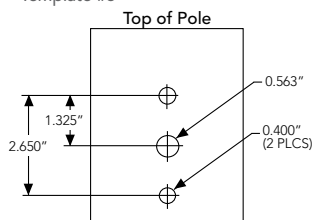
Accessories including bullhorns, cross arms and other adapters are available on pages 5-7. For the complete line of accessories available, visit the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

HANDHOLE ORIENTATION

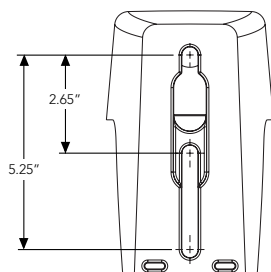


RSX POLE DRILLING

Template #8



RSXF ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
2 - 3/8"	AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2 - 7/8"	AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSXF4 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt									
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.69	1.34	1.36	1.80	2.00	2.66	1.39	2.08	2.78
	10°	1.13	2.05	2.22	3.10	2.91	4.01	2.26	3.39	4.52
	20°	1.91	3.14	3.57	4.84	4.26	6.23	3.82	5.73	7.64
	30°	3.23	4.70	5.70	7.25	6.52	9.31	6.46	9.69	12.92
	40°	4.71	6.04	7.96	9.37	9.04	12.04	9.42	14.13	18.84
	45°	5.46	6.72	9.10	10.47	10.31	13.40	10.92	16.38	21.84
	50°	5.58	7.29	9.51	11.46	10.93	14.56	11.16	16.74	22.32
	60°	5.81	8.50	10.35	13.44	12.41	16.89	11.62	17.43	23.24
	70°	6.13	9.29	10.98	14.92	13.50	18.57	12.26	18.39	24.52
	80°	6.28	9.88	11.47	15.86	14.22	19.72	12.56	18.84	25.12
YK - Yoke Mounting	90°	6.43	10.17	11.78	16.26	14.56	20.33	12.86	19.29	25.72
	0°	0.88	1.62	1.72	2.19	2.41	3.21	1.66	2.49	3.32
	10°	1.31	2.32	2.58	3.42	3.36	4.55	2.53	3.80	5.06
	20°	2.09	3.41	3.93	5.16	4.71	6.77	4.09	6.14	8.18
	30°	3.41	4.97	6.06	7.57	6.97	9.85	6.73	10.10	13.46
	40°	4.89	6.31	8.32	9.69	9.49	12.58	9.69	14.54	19.38
	45°	5.64	6.99	9.46	10.79	10.76	13.94	11.19	16.79	22.38
	50°	5.76	7.56	9.87	11.78	11.38	15.10	11.43	17.15	22.86
	60°	5.99	8.77	10.71	13.76	12.86	17.43	11.89	17.84	23.78
	70°	6.31	9.56	11.34	15.24	13.95	19.11	12.53	18.80	25.06
	80°	6.46	10.15	11.83	16.18	14.67	20.26	12.83	19.25	25.66
	90°	6.61	10.44	12.14	16.58	15.01	20.87	13.13	19.70	26.26



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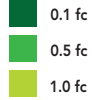
Lithonia RSXF4 Flood LED
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Photometric Diagrams

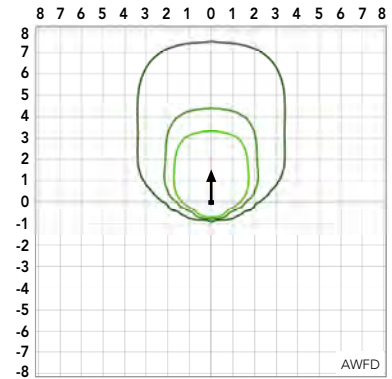
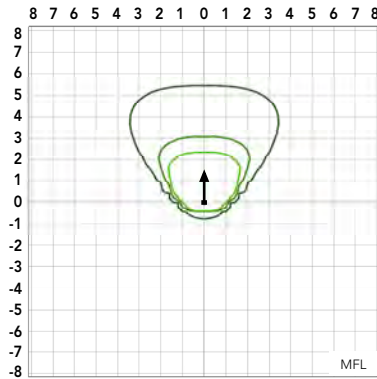
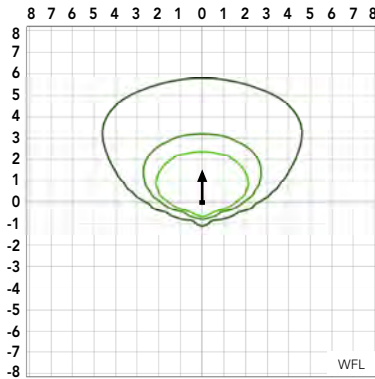
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [RSX Flood homepage](#).

Isofootcandle plots for the RSXF4 LED P8 40K. Distances are in units of mounting height (40').

LEGEND

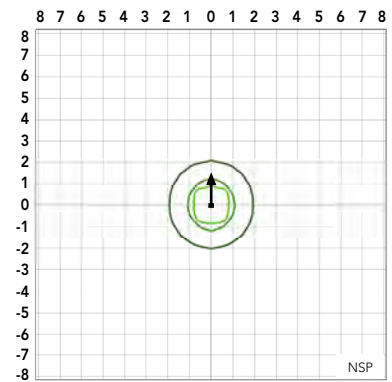
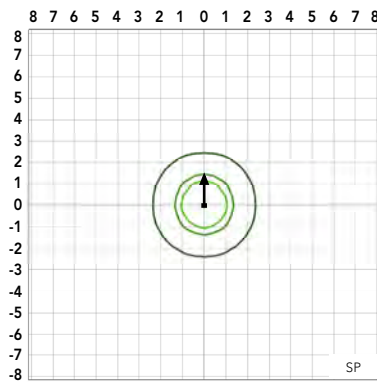
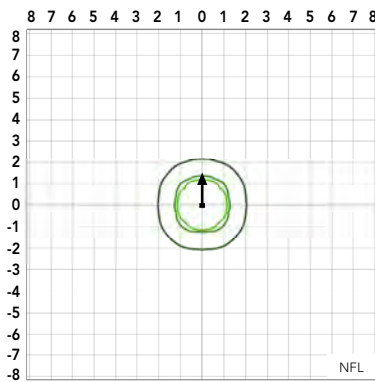


Luminaires tilted at 45°



Note: Distribution type MFL shown at maximum performance package P6.

Luminaires tilted at 0°



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	275W	2.34	1.38	1.22	1.08	0.83	0.62
P2	320W	2.60	1.56	1.37	1.22	0.97	0.71
P3	369W	3.08	1.79	1.57	1.39	1.09	0.80
P4	431W	3.61	2.11	1.88	1.76	1.24	0.90
P5	483W	3.97	2.28	1.99	1.74	1.36	0.98
P6	546W	4.48	2.55	2.21	1.93	1.54	1.12
P7	520W	4.28	2.47	2.15	1.88	1.54	1.11
P8	646W	5.54	3.13	2.71	2.34	1.90	1.37

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.



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Performance Data

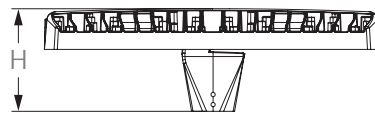
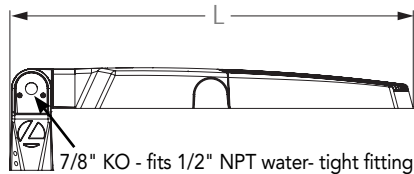
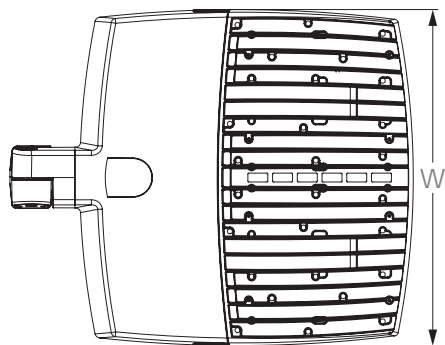
Lumen Output

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

Performance Package	System Watts	Distribution Type	Field Angle		Beam Angle		30K			40K			50K		
			°H	°V	°H	°V	(3000K, 70 CRI)			(4000K, 70 CRI)			(5000K, 70 CRI)		
							Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd
P1	275W	AWFD	119	120	69	41	37,453	136	30,678	41,149	150	33,706	41,149	150	33,706
		WFL	133	129	116	80	36,666	133	15,610	40,285	146	17,151	40,285	146	17,151
		MFL	105	110	91	96	37,721	137	17,126	41,444	151	18,816	41,444	151	18,816
		NFL	78	79	44	45	37,008	135	54,721	40,660	148	60,122	40,660	148	60,122
		SP	48	48	27	27	35,880	130	114,288	39,420	143	125,568	39,420	143	125,568
		NSP	42	43	19	21	36,350	132	191,937	39,938	145	210,881	39,938	145	210,881
P2	320W	AWFD	119	120	69	41	42,605	133	34,899	46,810	146	38,344	46,810	146	38,344
		WFL	133	129	116	80	41,710	130	17,758	45,827	143	19,511	45,827	143	19,511
		MFL	105	110	91	96	42,910	134	19,483	47,145	147	21,406	47,145	147	21,406
		NFL	78	79	44	45	42,099	131	62,251	46,254	144	68,395	46,254	144	68,395
		SP	48	48	27	27	40,815	127	130,014	44,843	140	142,847	44,843	140	142,847
		NSP	42	43	19	21	41,351	129	218,348	45,432	142	239,899	45,432	142	239,899
P3	369W	AWFD	119	120	69	41	47,519	129	38,923	52,208	141	42,765	52,208	141	42,765
		WFL	133	129	116	80	46,520	126	19,806	51,111	138	21,761	51,111	138	21,761
		MFL	105	110	91	96	47,859	130	21,730	52,581	142	23,874	52,581	142	23,874
		NFL	78	79	44	45	46,954	127	69,430	51,588	140	76,283	51,588	140	76,283
		SP	48	48	27	27	45,522	123	145,009	50,015	135	159,321	50,015	135	159,321
		NSP	42	43	19	21	46,120	125	243,530	50,671	137	267,566	50,671	137	267,566
P4	431W	AWFD	119	120	69	41	52,342	122	42,810	57,422	133	47,035	57,422	133	47,035
		WFL	133	129	116	80	51,201	119	21,784	56,215	131	23,934	56,215	131	23,934
		MFL	105	110	91	96	52,640	122	23,899	57,832	134	26,258	57,832	134	26,258
		NFL	78	79	44	45	51,643	120	76,364	56,739	132	83,901	56,739	132	83,901
		SP	48	48	27	27	50,387	117	159,490	55,009	128	175,232	55,009	128	175,232
		NSP	42	43	19	21	50,754	118	267,850	55,731	129	294,287	55,731	129	294,287
P5	483W	AWFD	119	120	69	41	58,213	120	47,683	63,958	132	52,389	63,958	132	52,389
		WFL	133	129	116	80	56,990	118	24,264	62,614	130	26,658	62,614	130	26,658
		MFL	105	110	91	96	58,629	121	26,620	64,415	133	29,247	64,415	133	29,247
		NFL	78	79	44	45	57,521	119	85,056	63,198	131	93,451	63,198	131	93,451
		SP	48	48	27	27	55,767	115	177,645	61,270	127	195,178	61,270	127	195,178
		NSP	42	43	19	21	56,499	117	298,339	62,075	128	327,785	62,075	128	327,785
P6	546W	AWFD	119	120	69	41	64,747	119	53,035	71,136	130	58,270	71,136	130	58,270
		WFL	133	129	116	80	63,387	116	26,987	69,642	128	29,651	69,642	128	29,651
		MFL	105	110	91	96	65,210	120	29,608	71,645	131	32,530	71,645	131	32,530
		NFL	78	79	44	45	63,977	117	94,603	70,291	129	103,940	70,291	129	103,940
		SP	48	48	27	27	62,027	114	197,584	68,148	125	217,085	68,148	125	217,085
		NSP	42	43	19	21	62,841	115	331,825	69,042	127	364,576	69,042	127	364,576
P7	520W	AWFD	119	120	69	41	66,229	127	56,581	72,765	140	62,166	72,765	140	62,166
		WFL	133	129	116	80	64,785	125	28,791	71,178	137	31,633	71,178	137	31,633
		NFL	78	79	44	45	65,346	126	100,928	71,795	138	110,890	71,795	138	110,890
		SP	48	48	27	27	63,757	123	210,794	70,049	135	231,600	70,049	135	231,600
		NSP	42	43	19	21	64,222	124	354,011	70,559	136	388,952	70,559	136	388,952
P8	646W	AWFD	119	120	69	41	77,128	119	65,892	84,740	131	72,396	84,740	131	72,396
		WFL	133	129	116	80	75,446	117	33,529	82,892	128	36,839	82,892	128	36,839
		NFL	78	79	44	45	76,100	118	117,537	83,610	130	129,138	83,610	130	129,138
		SP	48	48	27	27	74,250	115	245,483	81,577	126	269,712	81,577	126	269,712
		NSP	42	43	19	21	74,791	116	412,267	82,171	127	452,958	82,171	127	452,958

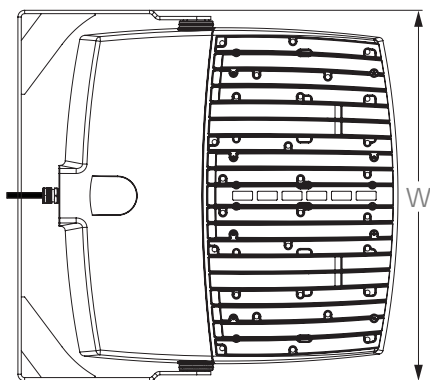
Dimensions

RSXF4 with Adjustable Slipfitter (IS)



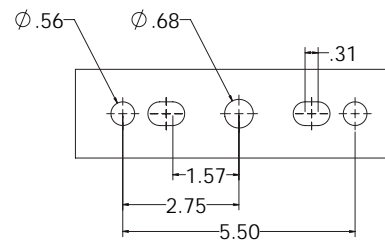
Length: 30.0" (76.2 cm)
 Width: 25.0" (63.5 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.6" (19.3 cm) Arm

RSXF4 with Yoke (YKC64)



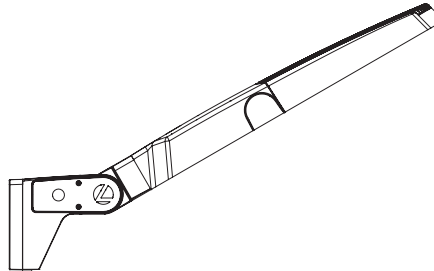
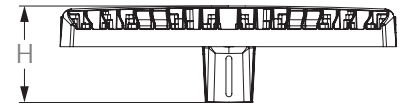
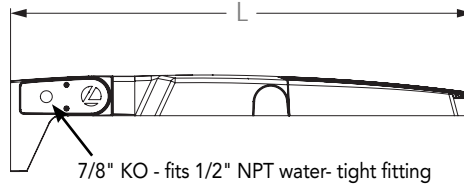
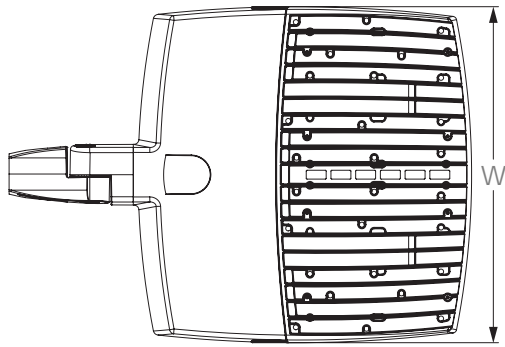
Length: 28.3" (96.3 cm)
 Width: 27.6" (63.5 cm)
 Height: 3.2" (7.6 cm) Main Body

Yoke (YK) Mounting Detail



Dimensions

RSXF4 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)



NOTE:
RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



Length: 34.4" (87.4 cm) **AASP**
35.4" (89.9 cm) **AARP**
Width: 25.0" (63.5 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.3 cm) Arm

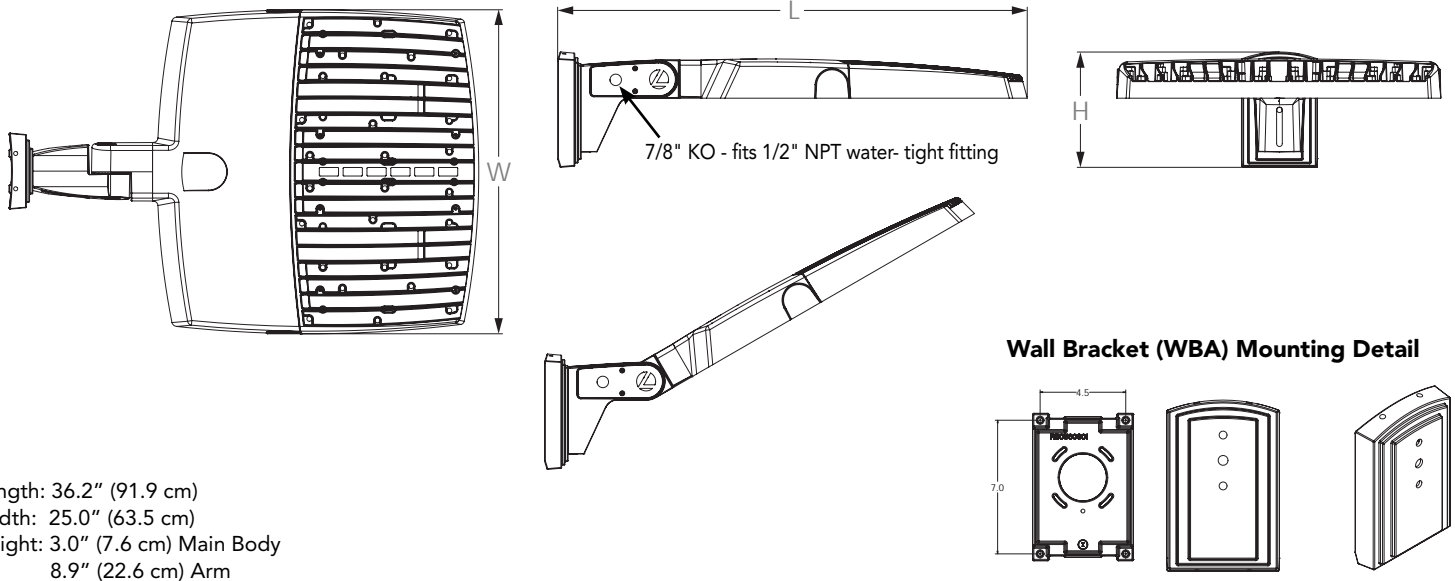
Notes

AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

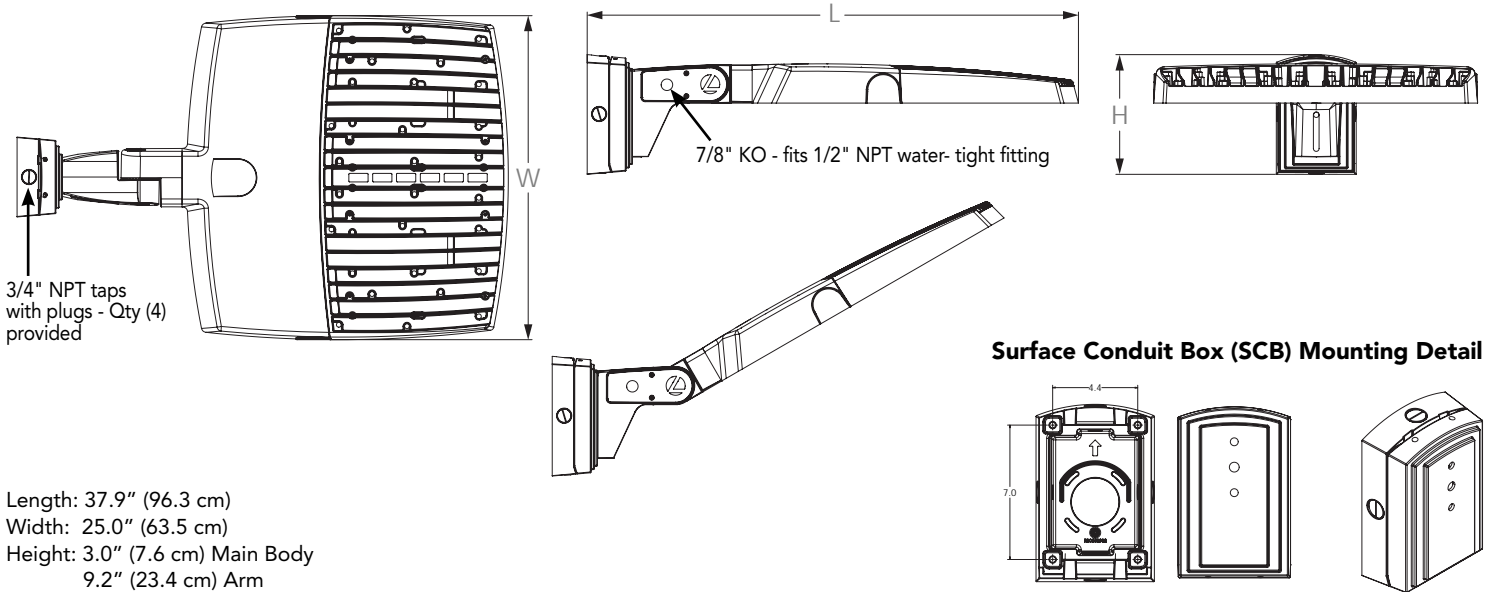
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

Dimensions

RSXF4 with Adjustable Tilt Arm with Wall Bracket (AAWB)



RSXF4 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)

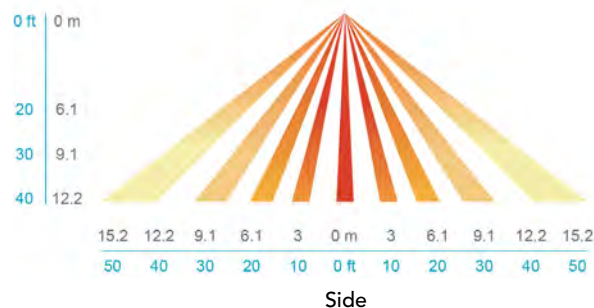
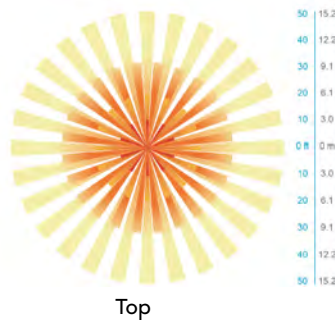
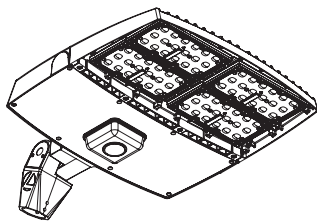


Additional Reference Drawings



PIRHN nLight Sensor Coverage Pattern

nLight PIRHN



Motion Sensor Default Settings - Option PIRHN

Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clarity Pro App.

FEATURES & SPECIFICATIONS

INTENDED USE

The RSXF LED flood family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSXF4 delivers 40,000 to 85,000 lumens and is ideal for replacing 1000W and 1500W HID floodlights in parking lots and other large area lighting applications.

CONSTRUCTION

The RSXF LED flood luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral adjustable slipfitter mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box for easy installation. The light engines and housing are sealed against moisture and environmental contaminants to IP66. RSXF is Vibration rated per ANSI C136.31: RSXF and mountings rated for 3G vibration include IS, YK, AASP and AARP. RSXF and mountings rated for 1.5G vibration include AAWB and AAWSC.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in narrow and wide pattern distributions including Wide Flood, Medium Flood, Narrow Flood, Spot, Narrow Spot and an Area Wide/Forward distribution pattern featuring a strong forward throw reach that is ideal for lighting large areas from the perimeter.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The RSXF LED flood luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS

The RSXF LED flood luminaire is also available with nLight® AIR which can be used for simple motion occupancy dimming or for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

The integral "IS" mount offers an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation, wiring and precision distribution pattern aiming. A steel yoke mount is also available and includes a water tight cord grip and cord. Additional mountings are available including an adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications. All mountings are adjustable in 5° increments. RSXF flood is not rated for tilting above 90° or mounting within 4 feet of ground. Can be tilted up to 90° above horizontal.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

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

6/8/15 kW

WIDE-BODY LIGHT TOWER SERIES

Mobile Light Tower

Liquid Cooled Diesel Engine

INCLUDES:

- Large fuel capacity for increased run time
- Wide body chassis with containment option for on or off road towing
- 4×320 watt Generac G4 lighted electronic diode (LED) luminaries
- 4×1,100 watt metal halide (MH) luminaries
- Configurable outlets for auxiliary power
- Easy to set up for rental applications
- Heavy duty metal enclosure for durability
- Standard electric-power mast for quick deployment
- DOT trailer with wide body wheel base for stability
- Optional tandem tow configuration
- 5 year LED warranty
- CSA certified
- 1,000 hr oil change interval

MLT4060KVLED, MLT4060KV, MLT4060MVLED, MLT4060MV – 6kW 60Hz
 MLT4080KVLED, MLT4080KV – 8kW 60Hz
 MLT4150MVLED, MLT4150MV – 15kW 60Hz
 Configured Models



Picture may not reflect actual configurations.



FEATURES

- **HEAVY DUTY APPLICATIONS:** Industry proven wide-body design, with multiple power nodes and engine options to choose from. This machine is available with a variety of options to suit application needs.
- **LED VERSIONS OFFER EXTENDED RUN-TIMES, LESS REFUELING, AND MORE CONVENIENCE POWER DUE TO EFFICIENT G4 LIGHTING.**
- **TEST CRITERIA:**
 - ✓ **PROTOTYPE TESTED**
 - ✓ **CSA TESTED**
 - ✓ **COLD WEATHER TESTED**
 - ✓ **PROVEN GENERAC WIDE BODY SERIES MOTOR STARTING ABILITY**
- **DIFFUSED LIGHTING IS AVAILABLE FOR HIGHWAY APPLICATIONS.**
- **HEAVY-DUTY TRAILER DESIGN:** For off-road towing. Leaf-spring suspension.
- **SET-UP AND OPERATION:** Designed to be user-friendly and efficient for rental applications.
- **MULTIPLE ELECTRIC POWER CONVENIENCE OUTLETS:** to power external devices.
- **GENERAC G4 LIGHT-EMITTING DIODE (LED) LIGHTS:** Designed for maximum power and lower total cost of ownership. Lowers fuel cost by up to 33%.
- **AUTOMATIC VOLTAGE REGULATION (AVR) IN MLT4150 MODELS.** For powering guard stations, job-site trailers, and other applications requiring cleaner electrical power.
- **ANALOG CONTROLS OR POWER ZONE® PLUS CONTROLLER.**

THE GENERAC
PROMISE



* Assembled in the USA using domestic and foreign parts.

6/8/15 kW

Benefits

Engine

- Mitsubishi® or Kubota® configuration Proven industrial engines designed for high reliability and low maintenance.
- High temperature and low oil shutdown Protects against engine damage.
- Liquid cooled Superior ambient temperature performance. 50% glycol, 50% water mixture is standard.
- EPA Tier 4 Final certified All engines meet EPA certification requirements.
- Fuel tank with electric self-priming lift pump Polyethylene material. Large-diameter fill port for easy fueling. High capacity for extended run times.

Generator

- Marathon Electric® brushless 60 Hz alternator.
- 120/240 VAC MLT4060, MLT4080 models.
- ±6% capacitor voltage regulation MLT4060, MLT4080 models.
- ±1% automatic voltage regulation (AVR) MLT4150 models. Provides clean power by stabilizing the output voltage at variable loads

Electrical System

- One 12 V, 440 CCA, wet cell battery Standard equipment.
- 30 A start trip breaker Ensures a no-load condition exists during unit start-up.
- Floodlight circuits with sealed 15 A breakers Protects against electrical overload of luminaires.
- Ballast Indicator lights For easy identification of maintenance needs. Metal halide units only.
- Convenience receptacles with individual breakers

Controls

- Analog controls with key-activated ignition Standard equipment. Mechanical keyswitch with four positions (GLOW PLUG, OFF, RUN, START) and digital hour meter.
- Power Zone Plus controls Optional equipment. Includes dusk-to-dawn and auto-scheduler functions.
- Engraved, aluminum punched and anodized control panel
- Toggle switch for raising and lowering mast Allows operator to quickly and easily deploy mast in 15 seconds.
- ON-OFF switch for each light fixture Independent controls for flexible illumination.
- Digital hour meter Monitors total unit operation time, assisting with management of rental charges.
- Automatic shutdown for low oil pressure and high coolant temperature Protects your investment by proactively identifying failures.

Mast

- Vertical operation and storage Quick raising/lowering of mast. Optimizes shipping and storing by minimizing machine footprint.
- Five tubular steel sections with polymer guides Designed for high stability and strength.
- Distinctive angle fixture design For consistent light distribution.
- Electric winch with cable guards Raises mast in 15 seconds. Self braking.
- 359-degree rotation Lockable and adjustable from ground.
- Self-retracting coil cord No unintentional cable hangups and lowers risk of transport damage.
- Industrial-black powder coat Powder-coated interior and exterior provides superior rust protection.

Convenience Outlets

- MLT4060 models One 120 VAC, 20 A, GFCI, duplex outlet (NEMA 5-20R)
One 120/240 V, 30 A, twistlock outlet (NEMA L14-30R)
- MLT4080 models Two 120 VAC, 20 A, GFCI, duplex outlets (NEMA 5-20R)
One 120/240 V, 30 A, twistlock outlet (NEMA L14-30R)
- MLT4150 models Two 120 VAC, 20 A, GFCI, duplex outlets (NEMA 5-20R)
Two 120/240 V, 30 A, twistlock outlet (NEMA L14-30R)
Two 240 VAC, 50 A, twistlock outlets (Leviton CS6369)

6/8/15 kW

Enclosure

- Heavy-duty, 14-gauge steel For tough rental applications.
- Stainless steel hinges on doors Prevents oxidation and helps increase resale value.
- UV and fade resistant, white polyester powder paint Salt-spray tested to 1,000 hours.
- Sound ratings MLT4060, MLT4080 models: 68 dB at 23 ft (7 m).
MLT4150 models: 71 dB at 23 ft (7 m).
- Lifting point and fork pockets Center-mounted lifting point allows lifting from above using chains or forklift, or lifting with on-site machinery.
- Document holder with owner's manual Includes AC and DC wiring diagrams.

Trailer

- Tubular steel frame Rigid frame designed for stability, for on- or off-road towing.
- 2,200 lb (998 kg) capacity leaf-spring axle MLT4060, MLT4080 models.
- 3,000 lb (1.361 kg) capacity leaf-spring axle MLT4150 models.
- Removable tongue – 48 in. (1219.20 mm) length Allows for consolidated shipping and decreased machine footprint shipping or long-term storage.
- Four 2,000 lb (907.18 kg) leveling jacks Quick-turn style reduces set-up time. Lockable in stowed positions.
- Side outriggers For leveling and stabilization in up to 65 mph (104.6 Km/h) winds.
- Single-wall polyethylene fenders
- LED trailer lights (side, brake, and directionals) DOT approved.
- Recessed rear lights and illuminated license plate holder DOT approved.
- Tires MLT4060, MLT4080 models: ST175/80D13 – 6 ply.
MLT4150 models: P205/75R15 – 6 ply.
- Front step platform For easy adjustment of light fixtures.

Power Zone Plus Control (If Equipped)

Units equipped with Power Zone Plus controls are capable of FLEET AUTOMATION, which reduces labor costs spent manually starting and stopping light towers.

- Dusk-to-dawn
- Seven-day scheduler automatically starts and stop the unit each day
- Programmable service reminders for custom alerts
- Large, easy-to-read, backlit color display
- Comprehensive warnings protect the operator and equipment



THE LEADING LIGHT TOWER OPTION FOR

Construction
Sites

Rental



Roadwork



Oil & Gas

6/8/15 kW

Specifications

	MLT4060MVLED	MLT4060MV	MLT4060KVLED	MLT4060KV
Generator				
Make	Marathon Electric	Marathon Electric	Marathon Electric	Marathon Electric
Model	201CSA5411	201CSA5411	201CSA5411	201CSA5411
Type	Brushless	Brushless	Brushless	Brushless
Insulation class	F	F	F	F
Rating	60 Hz	60 Hz	60 Hz	60 Hz
Maximum output	6 kW	6 kW	6 kW	6 kW
Voltage regulation type	Capacitor	Capacitor	Capacitor	Capacitor
Regulation accuracy	±6%	±6%	±6%	±6%
Engine				
Make (model)	Mitsubishi (L3E)	Mitsubishi (L3E)	Kubota (D1005)	Kubota (D1005)
Fuel type	Diesel	Diesel	Diesel	Diesel
EPA certification	Tier 4 final	Tier 4 final	Tier 4 final	Tier 4 final
Cylinders—qty	3	3	3	3
Displacement	57.97 in ³ (0.95 L)	57.97 in ³ (0.95 L)	61.08 in ³ (1.00 L)	61.08 in ³ (1.00 L)
Ignition system	Compression ignition (CI)	CI	Indirect CI	Indirect CI
Governor system	Electric	Electric	Electric	Electric
Starter	Electric	Electric	Electric	Electric
Power at 1,800 RPM—prime	10.5 hp (7.8 kW)	10.5 hp (7.8 kW)	11.7 hp (8.7 kW)	11.7 hp (8.7 kW)
Power at 1,800 RPM—standby	12.2 hp (9.1 kW)	12.2 hp (9.1 kW)	13.1 hp (9.8 kW)	13.1 hp (9.8 kW)
Fuel consumption—lights only	0.301 gph (1.14 Lph)	NA	0.306 gph (1.16 Lph)	NA
Fuel consumption—100% load	0.59 gph (2.23 Lph)	0.59 gph (2.23 Lph)	0.651 gph (2.46 Lph)*	0.651 gph (2.46 Lph)*
Fuel tank—usable capacity	56.4 US gal (213.5 L)	56.4 US gal (213.5 L)	56.4 US gal (213.5 L)	56.4 US gal (213.5 L)
Run time (lights only)	187 hr	NA	187 hr	NA
Run time (100% load)	95 hr	95 hr	85 hr	85 hr
Fuel fill port—diameter	3.5 in. (88.9 mm)	3.5 in. (88.9 mm)	3.5 in. (88.9 mm)	3.5 in. (88.9 mm)
Fuel tank—material	Polyethylene	Polyethylene	Polyethylene	Polyethylene
Oil Capacity	5.0 (4.7)	5.0 (4.7)	5.4 (5.1)	5.4 (5.1)
Oil Filter Type	Full flow, spin-on	Full flow, spin-on	Full flow, spin-on	Full flow, spin-on
Oil Filter Change Interval	1,000 hr**	1,000 hr**	1,000 hr**	1,000 hr**
Air Filter Type	Dry cartridge	Dry cartridge	Dry cartridge	Dry cartridge
Cooling	Liquid	Liquid	Liquid	Liquid

*Data based on engine manufacturer and field test data after 100-hr engine break-in period. Actual results may vary, according to factors such as age and maintenance of equipment, environmental conditions, and fuel density. For fuel and maintenance recommendations, see owner's manual.

**To achieve maximum service interval, replace oil filter after 50-hr break-in period. For oil filter model number, see parts manual.

6/8/15 kW

Specifications

	MLT4080KVLED	MLT4080KV	MLT4150MVLED	MLT4150MV
Generator				
Make	Marathon Electric	Marathon Electric	Marathon Electric	Marathon Electric
Model	201CSA5420	201CSA5420	333CSA3024	333CSA3024
Type	Brushless	Brushless	Brushless	Brushless
Insulation class	F	F	F	F
Rating	60 Hz	60 Hz	60 Hz	60 Hz
Maximum output	8 kW	8 kW	15 kW	15 kW
Voltage regulation type	Capacitor	Capacitor	AVR	AVR
Regulation accuracy	±6%	±6%	±1%	±1%
Engine				
Make (model)	Kubota (D1105)	Kubota (D1105)	Mitsubishi (S4L2)	Mitsubishi (S4L2)
Fuel type	Diesel	Diesel	Diesel	Diesel
EPA certification	Tier 4 final	Tier 4 final	Tier 4 final	Tier 4 final
Cylinders—qty	3	3	4	4
Displacement	68 in ³ (1.12 L)	68 in ³ (1.12 L)	107 in ³ (1.76 L)	107 in ³ (1.76 L)
Valve arrangement	OHV	OHV	OHV	OHV
Ignition system	Indirect CI	Indirect CI	CI	CI
Governor system	Electric	Electric	Mechanical	Mechanical
Starter	Electric	Electric	Electric	Electric
Power at 1,800 RPM—prime	13.5 hp (10.1 kW)	13.5 hp (10.1 kW)	23.5 hp (17.5 kW)	23.5 hp (17.5 kW)
Power at 1,800 RPM—standby	15.4 hp (11.5 kW)	15.4 hp (11.5 kW)	24.7 hp (18.4 kW)	24.7 hp (18.4 kW)
Fuel consumption—lights only	0.340 gph (1.29 Lph)	NA	0.414 gph (1.57 Lph)	NA
Fuel consumption—100% load	0.858 gph (3.25 Lph)	0.858 gph (3.25 Lph)*	1.46 gph (5.53 Lph)*	1.46 gph (5.53 Lph)*
Fuel tank—usable capacity	56.4 US gal (213.5 L)	56.4 US gal (213.5 L)	56.4 US gal (213.5 L)	56.4 US gal (213.5 L)
Run time (lights only)	165 hr	NA	140 hr	NA
Run time (100% load)	65 hr	65 hr	38 hr	38 hr
Fuel fill port—diameter	3.5 in. (88.9 mm)	3.5 in. (88.9 mm)	3.5 in. (88.9 mm)	3.5 in. (88.9 mm)
Fuel tank—material	Polyethylene	Polyethylene	Polyethylene	Polyethylene
Oil Capacity	5.3 qt (5.0 L)	5.3 qt (5.0 L)	6.34 qt (6 L)	6.34 qt (6 L)
Oil Filter Type	Full flow, spin-on	Full flow, spin-on	Full flow, spin-on	Full flow, spin-on
Oil Filter Change Interval	1,000 hr**	1,000 hr**	1,000 hr**	1,000 hr**
Air Filter Type	Dry cartridge	Dry cartridge	Dry cartridge	Dry cartridge
Cooling	Liquid	Liquid	Liquid	Liquid
Coolant capacity				

*Data based on engine manufacturer and field test data after 100-hr engine break-in period. Actual results may vary, according to factors such as age and maintenance of equipment, environmental conditions, and fuel density. For fuel and maintenance recommendations, see owner's manual.

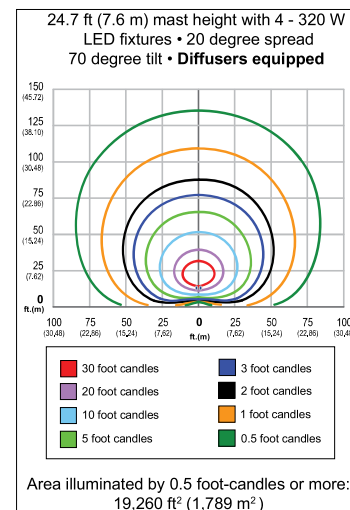
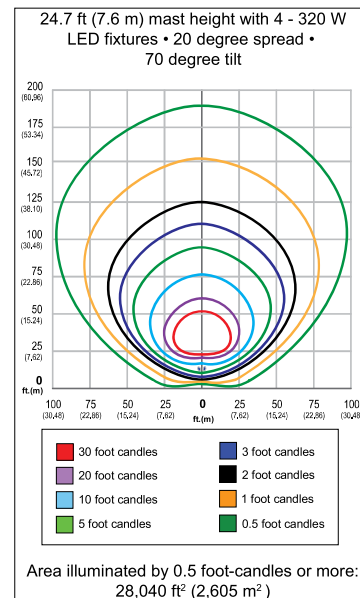
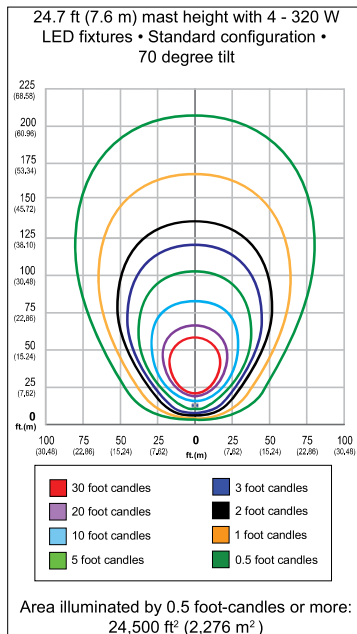
**To achieve maximum service interval, replace oil filter after 50-hr break-in period. For oil filter model number, see parts manual.

6/8/15 kW

Lighting Options

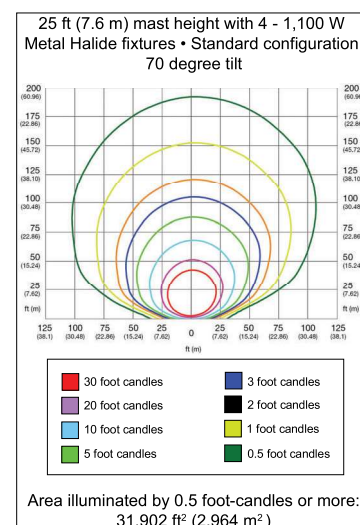
Luminaires—LED (If Equipped)

- Four 320 W LED fixtures
- Aluminum and polymer housing
- Efficiency: 147 LPW
- Lm/fixture: 47,000
- Total lm: 188,000
- Coverage at 0.5 ft-c or more: 28,040 ft² (2,605 m²)
- IP68 LED modules; IP65 rated drivers
- Fixture-mounted drivers
- Friction disc mounting for tool-free positioning



Luminaires—Metal Halide (If Equipped)

- Four 1,100 W metal halide fixtures
- Aluminum and polymer housing
- Efficiency: 120 lm/W
- Lm/fixture: 47,000
- Total lm: 188,000
- Area illuminated by 0.5 ft-c or more: 31,902 ft² (2,964 m²)
- Friction disc mounting for tool-free positioning



6/8/15 kW

Available Accessories*

Option	MLT4060KV	MLT4060MV	MLT4080KV	MLT4150MV	Description
Suggested Cold-Weather Options:					NOTE: Cold-weather options can be configured separately
60/40 coolant	All Models	All Models	All Models	All Models	
Heated radiator hose	All Models	All Models	All Models	All Models	
Heated fuel filter	All Models	All Models	All Models	All Models	
720 CCA AGM sealed battery	All Models	All Models	All Models	All Models	
Liquid containment	All Models	All Models	All Models	All Models	
Power Zone® Plus controller	All Models	All Models	All Models	NA	
Battery disconnect	All Models	All Models	All Models	All Models	Lever type for long-term storage
2 in. BULLDOG® ball	All Models	All Models	All Models	All Models	2 in. BULLDOG ball hitch
3 in. ring 1 DIA pintle	All Models	All Models	All Models	All Models	Pintle hitch
2.31 in. ball	All Models	All Models	All Models	All Models	Ball hitch
Flat 4 to round 7 spade	All Models	All Models	All Models	All Models	Trailer connector adapter
Tandem tow	All Models	All Models	All Models	All Models	Tow multiple units at once
Positive air shutdown	All Models	All Models	All Models	All Models	Required in some mining applications
Ground rod	All Models	All Models	All Models	All Models	For installation by a qualified technician
5 lb. fire extinguisher	All Models	All Models	All Models	All Models	Installed to cabinet interior
BC_10A_3ST	All Models	All Models	All Models	All Models	Battery charger: 10 A, 3-stage
50/50 coolant	All Models	All Models	All Models	All Models	50% glycol, 50% water
60/40 coolant	All Models	All Models	All Models	All Models	60% glycol, 40% water
RPM quick drain	All Models	All Models	All Models	All Models	For oil draining and replacement
Diffused lens	LED	LED	LED	LED	Anti-glare, snap-on type
Power Zone Plus controller	All Models	All Models	All Models	All Models	

*Additional options may be available. Please contact a sales representative or the factory for current options.

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Additional Information

Weight

Dry: 2,080 lb (943 kg)
Operating: 2,483 lb (1,126 kg)

Ambient Climate Ratings

Wind Rating: 65 mph (105 km/h)
Maximum Air Temperature: 120 °F (49 °C)

Warranty

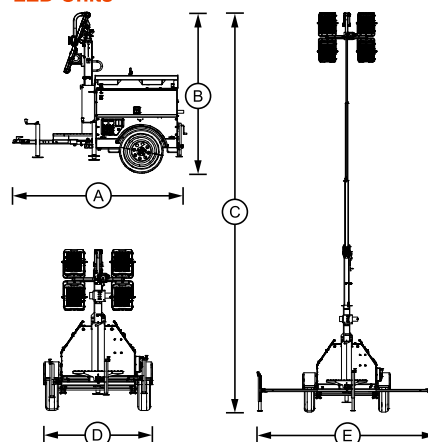
1 year, unlimited hours/2 years, 2,000 hours
LED lights: 5 year, limited

More Information

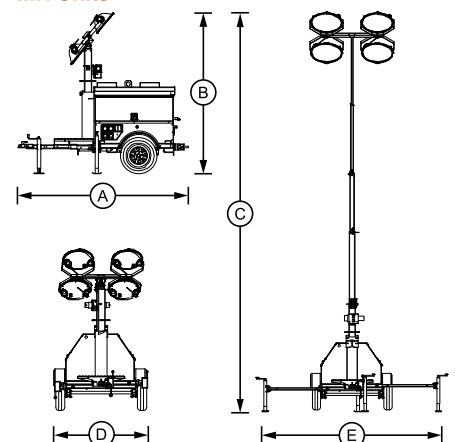
Owner's manual is available at:
www.generacmobileproducts.com/service-support/manuals

Unit Dimensions*

LED Units

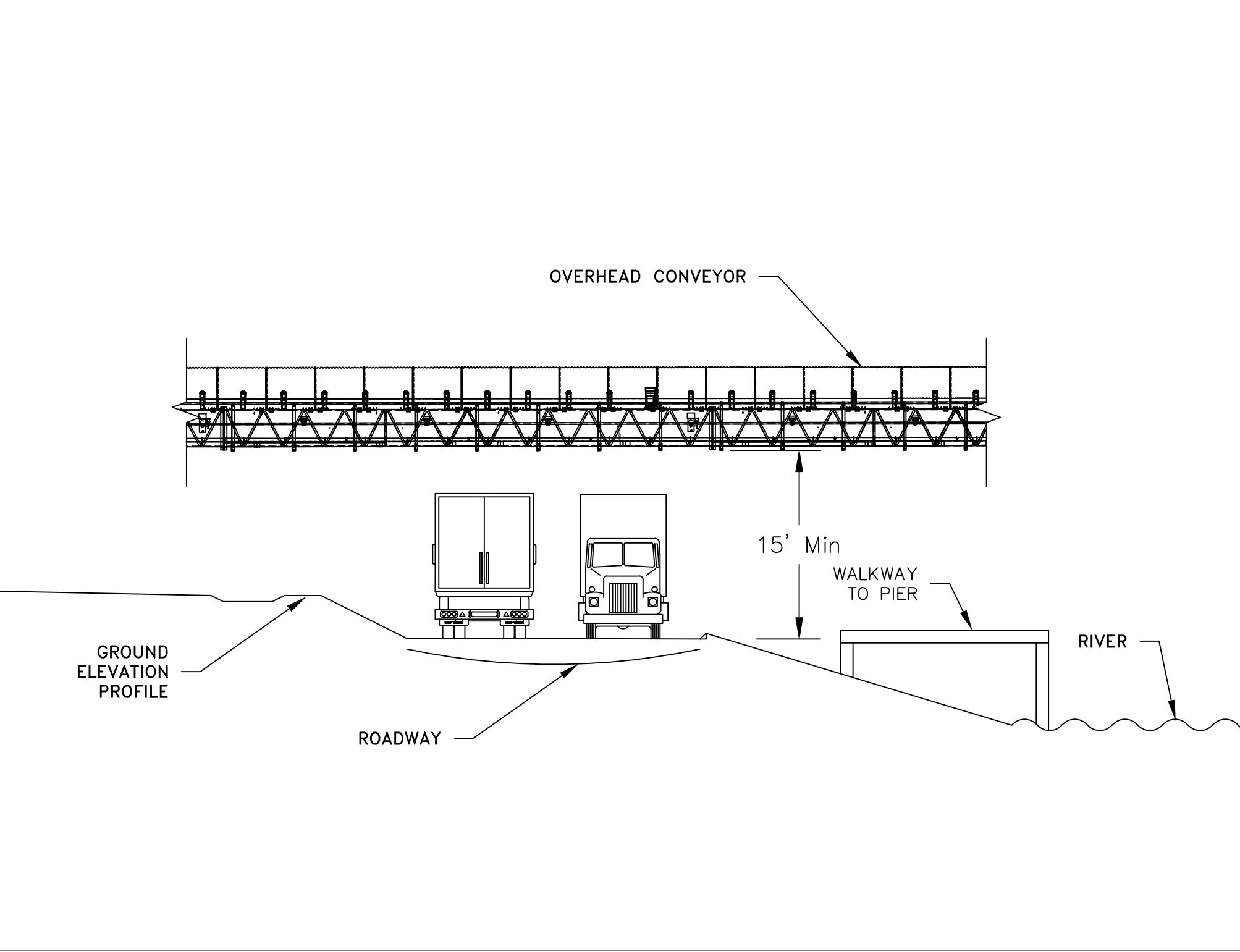


MH Units



	A	B	C	D	E
LED Units	113 in (2.9 m)	103 in (2.6 m)	24.7 ft (7.52 m)	70 in (1.78 m)	140 in (3.56 m)
MH Units	113 in (2.9 m)	107 in (2.71 m)	25 ft (7.62 m)	70 in (1.78 m)	140 in (3.56 m)

*Dimensions shown are approximate. See owner's manual for exact dimensions. DO NOT USE THESE DIMENSIONS FOR INSTALLATION PURPOSES.



GALVANIZED/HINGED
BELT COVERS

DRIP PAN

WALKWAY

TRUSS FRAME

