



GROUPE
CONSEIL
UDA

DÉVELOPPER, DANS LE RESPECT DES MILIEUX

ADDENDA 2 – RÉPONSES À LA DEUXIÈME SÉRIE
DE QUESTIONS ET COMMENTAIRES DU MELCCFP

Implantation d'une ferme aquacole terrestre en recirculation intensive dans la MRC de Pontiac

Dossier MELCCFP 3211-15-021

Étude d'impact sur l'environnement
déposée au MELCCFP



SAMONIX

DÉCEMBRE 2025

DIVISIONS DU GROUPE CONSEIL UDA



AKIFER



GREBE





SAMONIX

Implantation d'une ferme aquacole terrestre en recirculation intensive dans la MRC de Pontiac

Dossier MELCCFP 3211-15-021

Étude d'impact sur l'environnement
Déposée au MELCCFP

Addenda 2 – Réponses à la deuxième série de questions et commentaires du MELCCFP

Chargée de projet :



Adèle Lamarche, biol., M. Sc.

Date : Le 19 décembre 2025

N° dossier UDA : 25-2923-415

Équipe de travail

Samonix

Président	Mathieu Farley
Directeur principal - Développement	Rémi Bertrand
Directeur - Développement technique	Frédéric Brisco
Coordonnatrice de projet	Christine Lévesque

Groupe Conseil UDA

Chargée de projet	Adèle Lamarche, biol., M. Sc.
Rédaction	Jenny Luciano, biol., M. Sc. Env.
Cartographie	Julien Clos, géogr., M. Sc.
Édition	Lysianne Vallerand

GROUPE CONSEIL UDA INC.

426, chemin des Patriotes
Saint-Charles-sur-Richelieu (Québec) J0H 2G0
T : 450 584-2207 | D : 450-584-2200 | SF : 800 263-2207
www.udainc.com

Table des matières

1	MISE EN CONTEXTE	1-1
2	DÉMARCHE D'INFORMATION ET DE CONSULTATION.....	2-1
3	DESCRIPTION DU MILIEU DE RÉALISATION DU PROJET.....	3-1
4	ANALYSE DES IMPACTS DU PROJET.....	4-1
4.1	Description des impacts.....	4-1
4.1.1	Milieus humides et hydriques	4-1
4.1.2	Gaz à effet de serre (GES)	4-2
5	AUTORISATION MINISTÉRIELLE	5-1

Tableaux

Tableau 1-1	Tableau de consommation en eau	1-1
Tableau 4-1	Empiètement en milieu hydrique avec forage directionnel complet	4-1
Tableau 4-2	Empiètement en milieu hydrique avec forage directionnel partiel et pose de la conduite sur bloc de lestage.	4-1
Tableau 4-3	Émissions de GES attribuables à la construction du Projet.....	4-2

Annexes

Annexe A	Plans d'implantation
Annexe B	Rapport : Émissions fugitives de méthane
Annexe C	Études photométriques

Abréviations et sigles

GES.....	Gaz à effet de serre
MELCCFP	Ministère de l'Environnement, de la Lutte contre le changement climatique,de la Faune et des Parcs
LQE.....	Loi sur la qualité de l'environnement
PEEIE.....	Procédure d'évaluation et d'examen des impacts sur l'environnement
UDA	Groupe Conseil UDA inc.

1 MISE EN CONTEXTE

Samonix désire construire et exploiter un complexe destiné à la production aquacole de saumon de l'Atlantique (*Salmo salar*), à raison d'une moyenne de 10 000 tonnes métriques par année, mais avec une production maximale de 12 000 tonnes métriques/an (ci-après « le Projet »). En plus de la ferme aquacole, le Projet inclura également toutes les installations auxiliaires qui permettent les opérations de transformation. L'ensemble des installations aura une superficie d'environ 6 hectares. Le terrain projeté est situé dans la municipalité de Litchfield, dans la MRC de Pontiac, aux abords de la rivière des Outaouais.

L'étude d'impact sur l'environnement requise par la *Procédure d'évaluation et d'examen des impacts sur l'environnement* (PEEIE) en vertu du chapitre 1, section IV.1 de la *Loi sur la qualité de l'environnement* (LQE) (RLRQ, c. Q-2), a été déposée auprès du ministère de l'Environnement, de la Lutte contre le changement climatique, de la Faune et des Parcs (MELCCFP) en mai 2025. Un Addenda 1 a également été soumis en septembre 2025 en réponse à la première série de questions.

L'objectif de ce document (Addenda 2) est de fournir au MELCCFP l'information requise afin de poursuivre l'analyse environnementale du Projet en répondant à la deuxième série de questions formulées par le ministère et soumises à Samonix le 28 novembre 2025. Les questions et commentaires formulés par le MELCCFP sont repris intégralement en bleu, suivi des réponses.

En poursuivant ses analyses complémentaires, Samonix a déplacé les infrastructures de prise d'eau et de l'émissaire plus à l'ouest dans la rivière des Outaouais. Cette décision fait suite aux inventaires complémentaires de mulettes qui révèlent une densité relativement uniforme dans tout le secteur. Ainsi, un déplacement de la prise d'eau et de l'émissaire dans une zone de plus grand débit d'eau permettra une meilleure dilution du panache de dispersion. Les détails sur les empiétements permanents et temporaires sont présentés en réponse à la question QC2-4 et un nouveau plan d'implantation est disponible à l'annexe A.

Par ailleurs, le tableau de consommation d'eau présenté ci-dessous a été ajusté afin de considérer les besoins additionnels en eau associés au système de refroidissement durant les périodes estivales plus chaudes. Les volumes indiqués correspondent à un scénario théorique maximal et seraient, en pratique, nettement inférieurs en moyenne. Il est par ailleurs important de préciser que cette eau supplémentaire n'entraîne aucune augmentation des volumes d'effluents, puisque l'eau utilisée pour le refroidissement est évaporée dans le cadre du processus de dissipation thermique.

Tableau 1-1 Tableau de consommation en eau

Débit (m³/jour)	Phase de remplissage des bassins	Phase d'exploitation	Exploitation l'été lors de refroidissement maximal
Prélèvement (m³/jour)	4 000 m³/jour	2 300 m³/jour	3 000 m³/jour
Rejet	2 300 m³/jour	2 300 m³/jour	2 300 m³/jour

En complément des réponses fournies dans ce document, certaines études sont également soumises afin de fournir des informations complémentaires ou soutenir certaines réponses. Ces études fournies en documents complémentaires sont :

- ▷ L'évaluation environnementale de site – Phase II (Gesfor, 2022) (en format électronique uniquement pour répondre à la demande du MELCCFP);
- ▷ L'étude d'impact acoustique prédictive (SoftdB, 2025);
- ▷ Le rapport d'inventaire de mulettes en plongée dans la rivière des Outaouais (WSP, 2025);
- ▷ Le rapport de modélisation de dispersion des émissions atmosphériques (Alphard, 2025);
- ▷ Le rapport de modélisation hydraulique de la dispersion du panache (DHI, 2025);
- ▷ La modélisation hydraulique 3D de la rivière des Outaouais (WSP, 2025);
- ▷ L'étude photométrique (Ombrage, 2025).

2 DÉMARCHE D'INFORMATION ET DE CONSULTATION

QC2 -1

En réponse aux questions QC-01, QC-02 et QC-11, parmi les éléments considérés tout au long des étapes de la PÉEIE, dont celle de l'analyse de l'acceptabilité environnementale du projet, les enjeux liés au maintien de la qualité de vie de la population et au maintien du dialogue avec les citoyens sont au centre de l'analyse des impacts sociaux du projet. Est-ce que l'initiateur a l'intention d'identifier un responsable du mécanisme de réception et de traitement des plaintes et des commentaires, ce qui permettra de gérer de manière efficace les signalements et favoriser l'intégration de son projet dans le milieu d'accueil?

L'initiateur confirme qu'un mécanisme de réception et de traitement des plaintes et des commentaires est prévu pour le projet Samonix. Dans l'immédiat, ce rôle est assumé par l'équipe en place, soit la coordonnatrice de projet et le directeur principal du développement, via l'adresse courriel info@samonix.ca. Ceux-ci sont responsables de recevoir, consigner et assurer le suivi des signalements, ainsi que de coordonner les réponses avec les équipes concernées. À noter que le formulaire à remplir disponible sur le site internet www.samonix.ca est également dirigé automatiquement vers l'adresse courriel susmentionnée.

Lors du démarrage du Projet et du passage aux phases de construction puis d'exploitation, Samonix s'engage à désigner une personne spécifiquement attitrée aux relations avec le milieu, qui agira comme responsable officiel de ce mécanisme. Cette personne sera le point de contact privilégié pour la population et veillera à ce que les préoccupations des citoyens soient traitées de manière structurée, transparente et dans des délais raisonnables, contribuant ainsi au maintien de la qualité de vie et au dialogue continu avec le milieu d'accueil.

QC2 -2

En complément à la question QC-2-1, veuillez vous engager à rendre disponible, avant la période d'information publique du Bureau d'audiences publiques sur l'environnement, la simulation visuelle de l'éclairage nocturne afin d'offrir une information accessible et transparente à la population, dont les résidents de l'Ile-du-Grand-Calumet.

Samonix a mandaté la compagnie Ombrages pour réaliser la simulation visuelle de l'éclairage nocturne. Les documents sont présentés à l'annexe C de l'addenda 2.

3 DESCRIPTION DU MILIEU DE RÉALISATION DU PROJET

QC2 -3

Dans sa réponse à la question QC-48, l'initiateur indique que, comme discuté avec les représentants du MELCCFP, la modélisation de la dispersion du panache est en cours de réalisation. L'initiateur doit s'engager à fournir cette étude dès que possible, au courant de l'année 2025 en s'assurant que l'information demandée s'y retrouve afin de compléter la recevabilité de l'étude d'impact.

Samonix a mandaté DHI afin de réaliser la modélisation de la dispersion du panache. Le rapport est présenté en document complémentaire à cet addenda (DHI, 2025).

4 ANALYSE DES IMPACTS DU PROJET

4.1 Description des impacts

4.1.1 Milieux humides et hydriques

QC2 -4

En réponse à la question QC-21, des empiétements permanents et temporaires sont précisés. Veuillez indiquer si, à la suite de l'étude demandée à la question QC-2-3 et l'inventaire faunique, un positionnement différent de la prise d'eau et de l'émissaire a été déterminé afin de minimiser l'impact sur les concentrations de mulettes dans la rivière des Outaouais. Le cas échéant, veuillez mettre à jour les empiétements permanents et temporaires estimés.

En raison des données complémentaires disponibles, la prise d'eau et l'émissaire ont été déplacés vers l'ouest d'environ 20 m dans la rivière des Outaouais. Cette décision fut prise considérant la relative uniformité de la densité de mulettes dans le secteur et un plus fort débit vers l'ouest qui permettra une meilleure dilution du panache de dispersion du rejet. Cet emplacement permet aussi de rejoindre des courants qui évitent la rive et la baie Miller en aval du Projet. Les empiétements temporaires associés à cette nouvelle localisation seront donc de 1 500 m² lors des travaux, alors que les empiétements permanents seront d'une superficie totale de 60 à 170 m² selon la distance parcourue lors du forage horizontal. De nouveaux plans d'implantations sont disponibles à l'annexe A ainsi qu'au rapport de CIMA+ 2025.

Tableau 4-1 Empiètement en milieu hydrique avec forage directionnel complet

Élément	Type	Empiètement (m ²)	Commentaire
Tête de prise d'eau + crépine	Permanent	≈ 10	Vitesse d'entrée limitée; posé sur supports ponctuels.
Diffuseur de l'émissaire (collecteur + orifices)	Permanent	≈ 40	Orientation perpendiculaire au courant, faible vitesse de sortie.
Supports/attaches ponctuels (si requis)	Permanent	≤ 10	À confirmer à la conception détaillée.
Zone opérationnelle (barge + ancrages) – installation	Temporaire	≤ 1 500	Enveloppe maximale incluant périmètre de sécurité; aucune tranchée (HDD).

Tableau 4-2 Empiètement en milieu hydrique avec forage directionnel partiel et pose de la conduite sur bloc de lestage

Élément	Type	Empiètement (m ²)	Commentaire
Conduite posée sur le fond (prise ~50 m; largeur ~1 m)	Permanent	≈ 50	Pose sur blocs de lestage jusqu'à la tête d'ouvrage.
Conduite posée sur le fond (émissaire ~70 m; largeur ~1 m)	Permanent	≈ 70	Pose sur blocs de lestage jusqu'au diffuseur.
Tête de prise d'eau + crépine	Permanent	≈ 10	Empreinte ponctuelle de la tête.
Diffuseur (collecteur + orifices)	Permanent	≈ 40	Empreinte ponctuelle du diffuseur.
Zone opérationnelle (barge + ancrages) – installation	Temporaire	1 500 – 3 500	En fonction des besoins de chantier et de la sécurité de navigation.

QC2-5

L'initiateur doit s'engager à compenser en totalité les pertes permanentes d'habitat du poisson occasionnées par le projet en déposant un plan préliminaire de compensation visant l'aménagement d'un habitat faunique lors de l'analyse de l'acceptabilité environnementale du projet conformément à l'article 31.5.1 de la LQE, tel que modifié par l'article 100 de la Loi modifiant diverses dispositions en matière d'environnement. À cet effet, un plan préliminaire de compensation doit être déposé détaillant les différents scénarios de compensation des habitats fauniques atteints par le projet, ainsi que les mesures envisagées pour restaurer ou créer de tels milieux.

Samonix s'engage à déposer un plan préliminaire de compensation visant l'aménagement d'un habitat faunique lors de l'analyse de l'acceptabilité environnementale du Projet, conformément à l'article 31.5.1 de la LQE, tel que modifié par l'article 100 de la *Loi modifiant diverses dispositions en matière d'environnement*. À cet effet, un plan préliminaire de compensation détaillant les différents scénarios de compensation des habitats fauniques atteints par le Projet, ainsi que les mesures envisagées pour restaurer ou créer de tels milieux sera déposé.

4.1.2 Gaz à effet de serre (GES)

QC2 -6

À la Section 5.1.3 et annexe H de l'addenda 1, des erreurs ayant été identifiées pour la quantification des émissions de carbone noir et les totaux affectés dans les tableaux de présentation des résultats. Les émissions de GES dues aux émissions de carbone noir des systèmes de combustion fixes sont plutôt de 81 t. éq. CO₂ et non de 0,081. Quant aux émissions de GES dues aux émissions de carbone noir issues de l'utilisation des équipements hors route, celles-ci sont de 839,97 t. éq. CO₂ plutôt que 933,30.

Veuillez corriger la donnée présentée aux tableau 5-1 de l'addenda et tableau 5 de l'annexe H erronée (429,30 t. éq. CO₂) et également corriger, ainsi que les totaux qui s'en retrouveront modifiés, ou vous engager à le faire pour l'analyse environnementale.

Le calcul des émissions de GES en construction a été révisé à la lumière des commentaires formulés par le MELCCFP. Le tableau suivant présente le nouveau bilan des émissions liées à la construction du Projet.

Tableau 4-3 Émissions de GES attribuables à la construction du Projet

Sources	Émissions de GES t.éq.CO ₂
Systèmes de combustion fixes	80,67
Systèmes de combustion mobiles	1 808,63
Consommation d'énergie électrique	0,016
Carbone noir - systèmes de combustion fixes	81,00
Carbone noir - systèmes de combustion mobiles - équipements routiers	31,64
Carbone noir - systèmes de combustion mobiles - équipements hors route	839,97
TOTAL	2 841,93

QC2-7

À la Section 5.1.3 et annexe H de l'addenda 1, le bilan GES du projet est incomplet puisque les émissions fugitives de méthane reliées à la biométhanisation des matières résiduelles (boues aquacoles, carcasses, sang et viscères) ne s'y retrouvent pas. Veuillez quantifier les émissions fugitives de méthane reliées à la biométhanisation des matières résiduelles du projet (boues aquacoles, carcasses, sang et viscères) pour finaliser votre bilan.

Pour ce faire l'initiateur peut s'inspirer de l'équation 3.20 du Guide de quantification des émissions de gaz à effet de serre du MELCCFP (2025). Si celles-ci étaient jugées négligeables, veuillez en donner la justification.

Samonix a mandaté Qarbonex afin d'évaluer les émissions fugitives de méthanes reliées à la biométhanisation des matières résiduelles du projet. Le rapport est présenté à l'annexe B de cet Addenda.

5 AUTORISATION MINISTÉRIELLE

QC2-8

En réponse aux questions QC-45 et QC-46, puisque le site est visé par l'article 31.53 de la LQE, l'initiateur doit transmettre tous les documents exigés par la LQE par le service en ligne dans la section « Obligations relatives à la protection et à la réhabilitation des terrains », y compris les tableaux de contrôle du professionnel. Plusieurs documents peuvent être transmis dans une même demande s'ils concernent le même projet et le même terrain. Pour plus d'information, l'initiateur doit se référer à déposer une demande ou un document relatif à la protection et à la réhabilitation d'un terrain et Professionnel habilités à signer les documents requis par la LQE.

Samonix prend note du commentaire et s'engage à respecter les exigences réglementaires applicables lors du dépôt des demandes d'autorisation ministérielles.

QC2-9

À la section 4.0 de l'évaluation environnementale de site – Phase II, il est recommandé de continuer l'échantillonnage de l'eau souterraine dans le puits MW3 pour le cuivre. Ainsi, l'évaluation environnementale de site - Phase II devrait être bonifiée ou un addendum devrait être ajouté concernant les résultats de cet échantillonnage et leur interprétation ou les raisons pour lesquels cet échantillonnage n'a pas été réalisé.

Tout d'abord, il est important d'expliquer pourquoi les concentrations de cuivre détectées dans l'eau souterraine du puits MW3 ne sont pas considérées comme un risque environnemental pour le Projet Samonix ni pour le milieu environnant.

Emplacement :

Le puits MW3 est situé à l'extrémité nord du site, à environ 300 m de toute zone d'excavation et d'activités de construction ou d'opérations prévues dans le cadre du Projet. Cette localisation périphérique fait en sorte que les eaux souterraines associées à MW3 ne sont aucunement sollicitées par les travaux et ne sont pas en interaction hydraulique avec les systèmes de prise d'eau ou de rejet du Projet. Les deux autres puits dans l'étude, situés plus près des installations, n'ont relevé aucune trace de cuivre.

De plus, le Projet Samonix n'utilise pas d'eau souterraine, que ce soit pour la consommation humaine ou pour l'élevage du saumon. Toute l'eau nécessaire aux opérations est prélevée directement dans la rivière des Outaouais, rendant ainsi les valeurs mesurées dans MW3 non pertinentes pour l'exploitation du système aquacole.

Concentration :

Santé Canada considère qu'une eau potable de haute qualité peut contenir jusqu'à 1 000 µg/L de cuivre, soit un seuil largement supérieur aux concentrations mesurées dans MW3 de 7,7 µg/L.

Lors du premier échantillonnage, une concentration dépassant légèrement le critère de résurgence du MELCCFP a été relevée, soit 23 µg/L. Deux échantillonnages supplémentaires ont ensuite été réalisés pour vérifier la validité de ce résultat. Parmi ces deux échantillons, l'un respectait pleinement le critère et l'autre le dépassait seulement d'une fraction de microgramme par litre, soit une valeur marginale qui demeure très faible et largement sous les seuils associés à des risques connus pour les eaux de surface ou les écosystèmes aquatiques.

L'étude elle-même souligne que les variations observées entre les échantillons pourraient provenir d'un artefact lié au processus de filtration.

L'extrait suivant l'exprime clairement : « Les résultats ont démontré que la concentration du cuivre avait baissé, mais n'était toujours pas conforme (concentration de 7,7 µg/L au lieu de la limite de 7,3 µg/L). Par contre, le duplicata prélevé pendant cet échantillonnage respectait le Critère (concentration de 5,9 µg/L au lieu de la limite de 7,3 µg/L). Étant donné que la concentration du cuivre avait baissé et que le duplicata respectait le Critère, il est probable que les résultats non conformes du premier échantillonnage soient dus à des erreurs de filtrations. »

Compte tenu du fait que les concentrations mesurées ne dépassent les seuils provinciaux que de quelques microgrammes, qu'aucune utilisation de cette eau n'est prévue pour le Projet et qu'aucune intervention n'est planifiée dans le secteur où se trouve MW3, il apparaît raisonnable de conclure qu'aucune action complémentaire n'est nécessaire.

QC2-10

Dans la version électronique des documents, à la figure 2 de l'annexe I de l'addenda 1, ainsi que presque toutes les pages de l'annexe III de l'évaluation environnementale de site – Phase II sont incomplètes puisque tronquées des deux côtés de la page. Ainsi, il manque beaucoup d'information et de données. Veuillez fournir le document comprenant toutes les pages complètes.

La version électronique de l'évaluation environnementale de site Phase II est retournée au MELCCFP avec cet Addenda 2.

QC2-11

Selon le tableau 7 de l'annexe III de l'évaluation environnementale de site – Phase II, il y a un résultat en arsenic dans la plage A-B dans la tranchée TP15. Toutefois la figure 2 de l'annexe I n'en fait pas mention. Veuillez faire les modifications requises.

La version électronique de l'évaluation environnementale de site Phase II modifiée est retournée au MELCCFP avec cet Addenda 2.

QC2-12

Nous recommandons de vérifier l'encadrement réglementaire du système de gestion des eaux pluviales et de son émissaire en conformité avec le Règlement sur l'encadrement d'activités en fonction de leur impact sur l'environnement (REAFIE) rapidement afin d'incorporer les exigences adéquates dans la conception dudit système et des travaux en milieu hydrique. Ceci permettra d'accélérer le traitement de l'éventuelle demande d'autorisation ministérielle.

Samonix prend note du commentaire et s'engage à incorporer les exigences réglementaires adéquates selon le REAFIE dans la conception du système de gestion des eaux pluviales et de son émissaire.

QC2-13

Les mesures d'atténuation proposées sont adéquates dans le contexte du projet. La gestion des sols présentant des espèces floristiques exotiques envahissantes (EEE) est détaillée. Les mesures visant à éviter l'introduction et la propagation des EEE sont également détaillées. Veuillez vous assurer de la conformité des mesures prévues avec l'article 75 du REAFIE tout au long de la PEEIE. Si l'initiateur ne peut se conformer aux conditions d'exemptions prévues à l'article 75 du REAFIE, veuillez-vous prévaloir d'une autorisation ministérielle en vertu de l'article 22 al. 1, par. 7 de la LQE ou acheminer le matériel contaminé par les EEE vers un lieu autorisé à recevoir ces matières.

Samonix s'engage à se conformer aux conditions d'exemptions prévues à l'article 75 du REAFIE soit :

1° l'enfouissement n'est pas effectué dans le littoral, une rive ou à moins de 10 m d'un milieu humide;

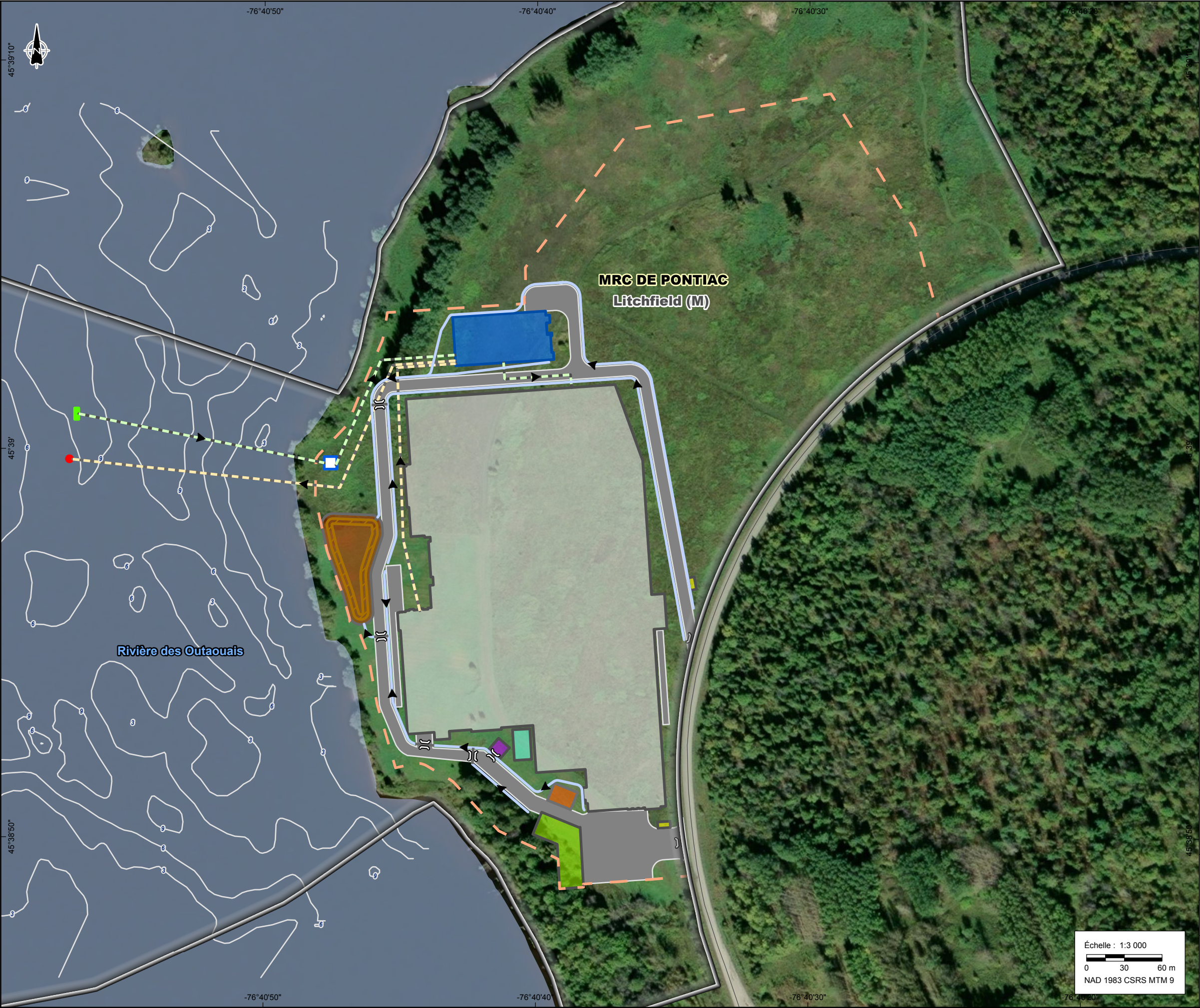
2° dans le cas où l'enfouissement est effectué à moins de 30 m du littoral ou effectué entre 10 m et 30 m d'un milieu humide, les matières enfouies sont recouvertes d'au moins 2 m de sol exempt d'espèces floristiques exotiques envahissantes;

3° dans le cas où l'enfouissement est effectué à 30 m ou plus du littoral ou d'un milieu humide, les matières enfouies sont recouvertes d'au moins 1 m de sol exempt d'espèces floristiques exotiques envahissantes;

S'il est impossible de respecter ces conditions d'exemptions prévues à l'article 75 du REAFIE, Samonix acheminera le matériel contaminé par les EEE vers un lieu autorisé à recevoir ces matières.

Annexe A

Plans d'implantation



REPÈRES GÉOGRAPHIQUES

Composante du projet *

Zone d'étude

Composantes humaines

Route locale

Composantes naturelles

Étendue d'eau

Bathymétrie (WSP, 2024)

Isobathe (3 m)

Chemin d'accès et stationnement

Fossé

Ponceau

Aire de travail en construction

Infrastructures

Bassin de rétention des sédiments

Bâtiment de traitement effluent

Bâtiment principal

Guérite

Générateur d'oxygène

Génératrices sur dalle de béton

Poste de pompage

Réservoirs d'oxygène liquide

Talus

Traitement eau sanitaire

Prise d'eau

Émissaire

Entrée d'eau

Sortie d'eau

* Localisé de façon approximative

Sources :

CIMA+(données de projet) 2024.
MRNF (Adresses Québec, réseau routier) 2024.
MRNF (GRHQ 20-50K, hydrographie) 2023.

Samonix (données de projet) 2024.
WSP (données de projet) 2024.
ESRI (Basemap) 2016.



PROJET DE FERME AQUACOLE TERRESTRE

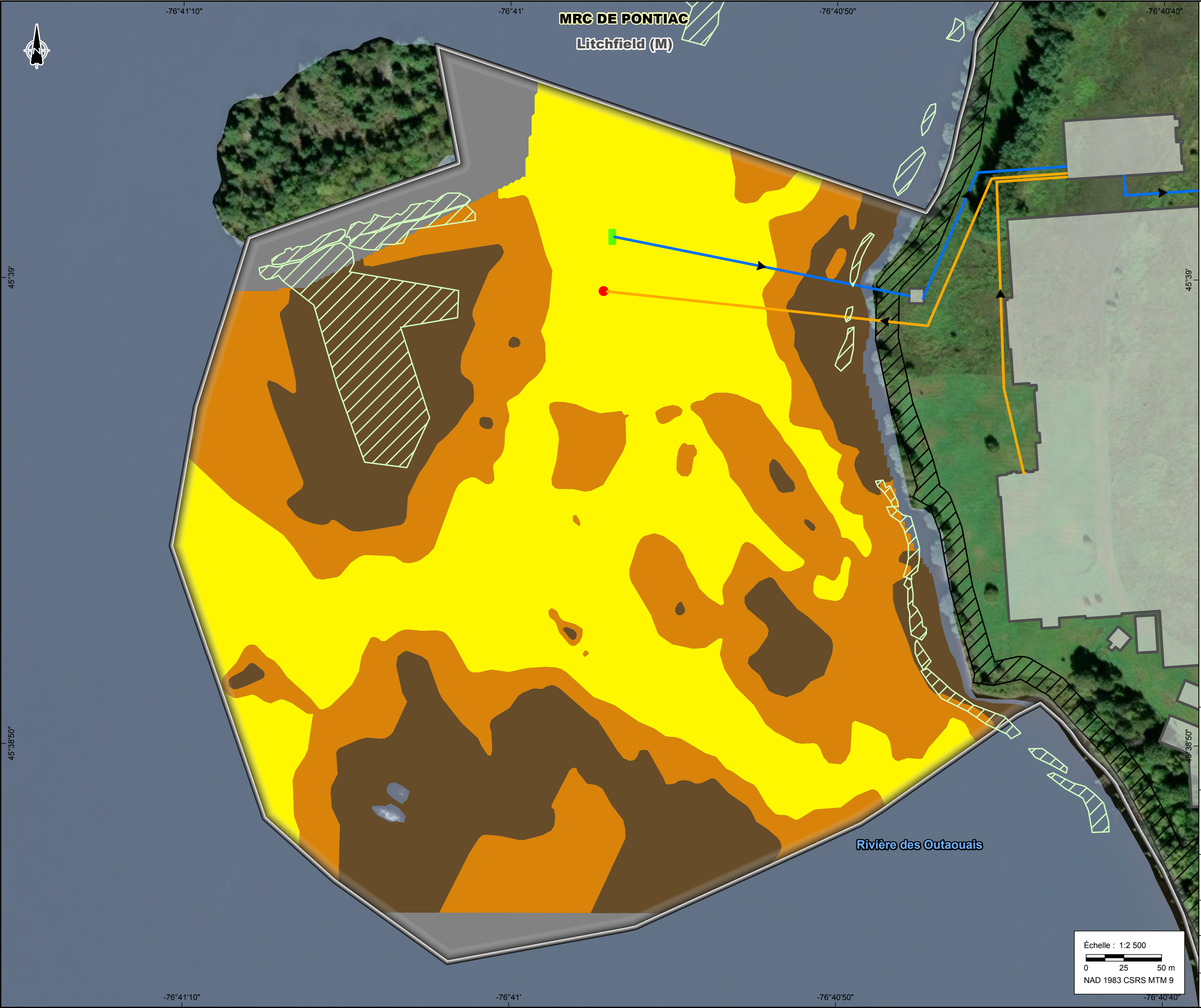
Infrastructures

Chargé de projet :
Adèle Lamarche, Directrice, M.Sc

Projet : 2923-400
Date : 2025-12-17

Cartographie :
Julien Clos, Géomaticien, M.Sc

Addenda 2 - QC4-A



REPÈRES GÉOGRAPHIQUES

Composante du projet *

Zone d'étude

Composantes naturelles

Étendue d'eau

Rive (15 m, CIMA+, 2024)

Herbier aquatique

Type d'habitat

Habitat 1

Habitat 2

Habitat 3

Non identifié

Réseau d'approvisionnement en eau

Entrée d'eau

Sortie d'eau

Infrastructures

Bâtiment

Émissaire

Prise d'eau

* Localisé de façon approximative

Sources :

CIMA+(données de projet) 2024.
MRNF (Adresses Québec, réseau routier) 2024.
MRNF (GRHQ 20-50K, hydrographie) 2023.

Samonix (données de projet) 2024.
WSP (données de projet) 2024.
ESRI (Basemap) 2016.



SAMONIX

PROJET DE FERME AQUACOLE TERRESTRE

Habitats aquatiques

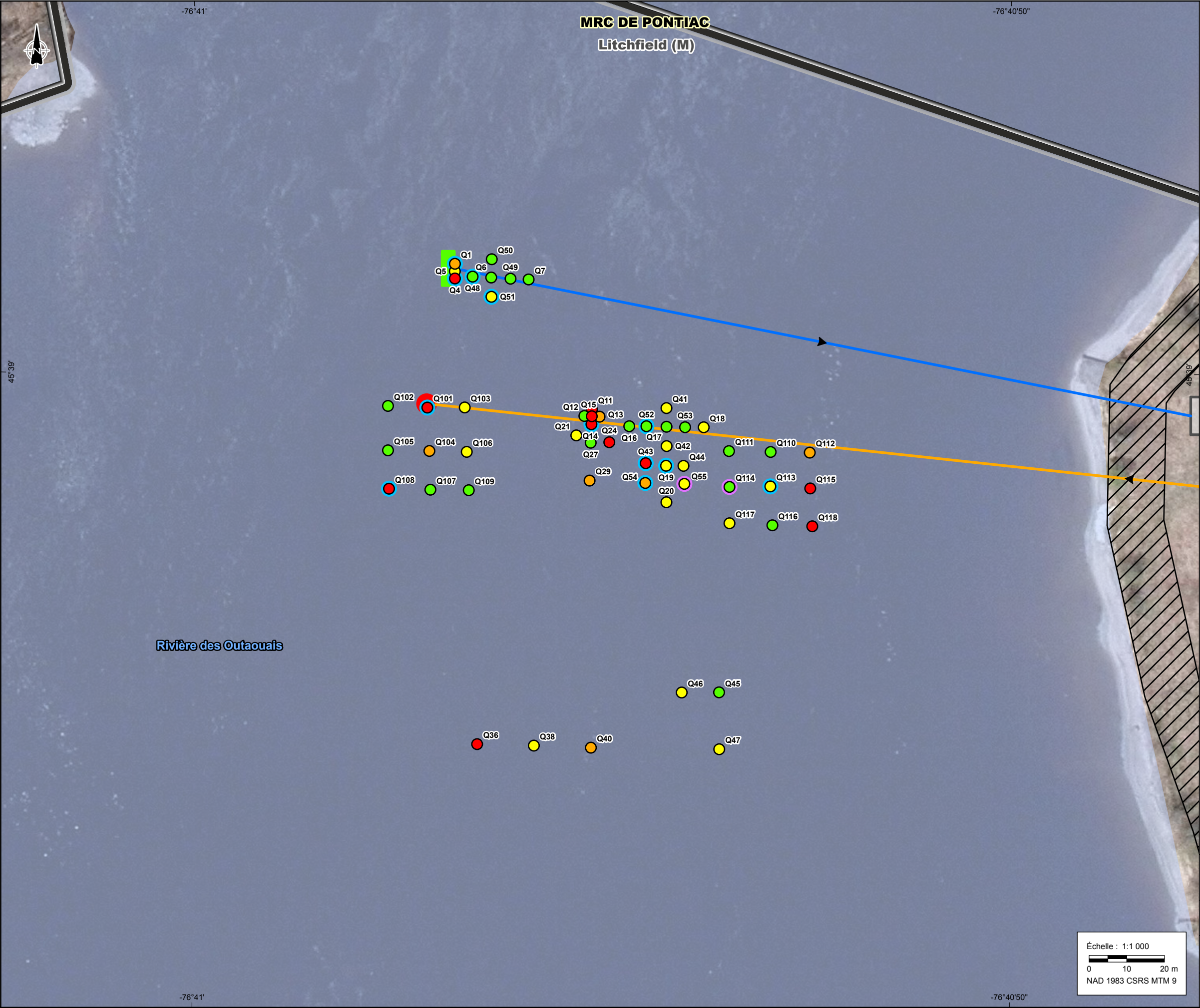
Chargé de projet :
Adèle Lamarche, Directrice, M.Sc

Projet : 2923-400
Date : 2025-12-17

Cartographie :
Julien Clos, Géomaticien, M.Sc

Addenda 2 - QC4-B

Échelle : 1:2 500
0 25 50 m
NAD 1983 CSRS MTM 9



REPÈRES GÉOGRAPHIQUES

Composante du projet *

Zone d'étude

Composantes naturelles

Étendue d'eau

Rive (15 m, CIMA+, 2024)

INSTALLATIONS PRÉVUES

Réseau d'approvisionnement en eau (CIMA+, 2025)

Entrée d'eau

Sortie d'eau

Infrastructures

Bâtiment

Émissaire

Prise d'eau

QUADRATS (WSP, 2025)

Densité (mulettes/m²)

0 - 19

20 - 39

40 - 59

≥ 60

Présence d'obovarie olivâtre

1 obovarie trouvée

2 obovaries trouvées

* Localisé de façon approximative

Sources :
CIMA+(données de projet) 2024.
MRNF (GRHQ 20-50K, hydrographie) 2023.
Samonix (données de projet) 2024.
WSP (données de projet) 2024.
ESRI (Basemap) 2016.

GROUPE
CONSEIL
UDA

PROJET DE FERME AQUACOLE TERRESTRE

Densité des mulettes

Chargé de projet :
Adèle Lamarche, Directrice, M.Sc

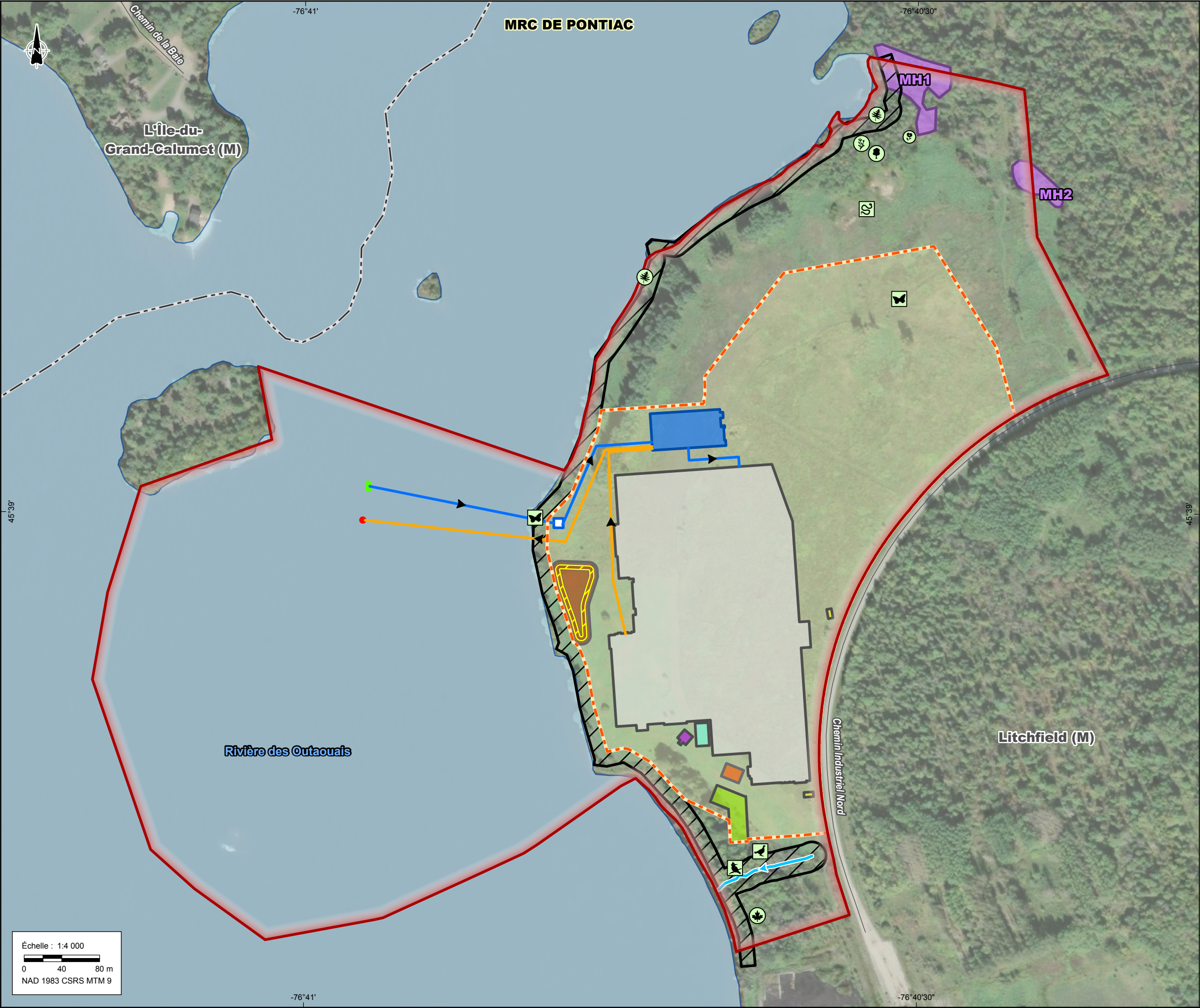
Projet :
2923-400

Date :
2025-12-17

Cartographie :
Julien Clos, Géomaticien, M.Sc

Addenda 2 - QC4-C

X:\Cad_Dossier_1000_9999\20003000\2923_Samonix\2923_400\ADDENDA_2\APRX\AD2_2923_CA_C_DEN_MULETTE_20251217.aprx



COMPOSANTE DU PROJET ¹

Zone d'étude

REPÈRES GÉOGRAPHIQUES

Limite administrative

Municipalité

Réseau routier

Route locale

INFRASTRUCTURES ²

Émissaire

Prise d'eau

Bassin de rétention des sédiments

Bâtiment de traitement effluent

Bâtiment principal

Guérite

Générateur d'oxygène

Génératrices sur dalle de béton

Poste de pompage

Réservoirs d'oxygène liquide

Talus

Traitement eau sanitaire

Aire de travail en construction

Réseau d'approvisionnement en eau

Entrée d'eau

Sortie d'eau

COMPOSANTES NATURELLES

Cours d'eau ³

Rive (15 m) ³

Milieu humide ³

Étendue d'eau

Espèce faunique en situation précaire ³

Cavité de grand pic, *Dryocopus pileatus*

Couleuvre tachetée, *Lampropeltis triangulum*

Papillon monarque, *Danaus plexippus*

Hirondelle rustique, *Hirundo rustica*

Espèce floristique en situation précaire ³

Asaret du Canada, *Asarum canadense*

Érable noir, *Acer nigrum*

Noyer cendré, *Juglans cinerea*

Matteuccia fougère-à-l'autruche d'Amérique, *Matteuccia pensylvanica*

Trille blanc, *Trillium grandifolium*

Sources :

CIMA+(données de projet) 2024.

MRNF (Adresses Québec, réseau routier) 2025.

MRNF (GRHQ 20-50K, hydrographie) 2023.

MRNF (SDA 20k, découpages administratifs) 2025.

Samonix (données de projet) 2024.

Ressources naturelles Canada (MMEHR) 2025.

ESRI (Basemap) 2016.

GROUPE
CONSEIL
UDA

SAMONIX

PROJET DE FERME AQUACOLE TERRESTRE

Installations de la ferme aquacole

Chargé de projet :

Adèle Lamarche, Directrice, M.Sc

Projet :

2923-400

Date :

2025-12-17

Cartographie :

Julien Clos, Géomaticien, M.Sc

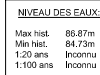
Addenda 2 – QC4-D

X:\Cad_Dossier_1000_9999\20003000\2923_Samonix\2923_400\ADDENDA_2\APRX\AD2_2923_CA_D_INSTALLATIONS_20251217.aprx

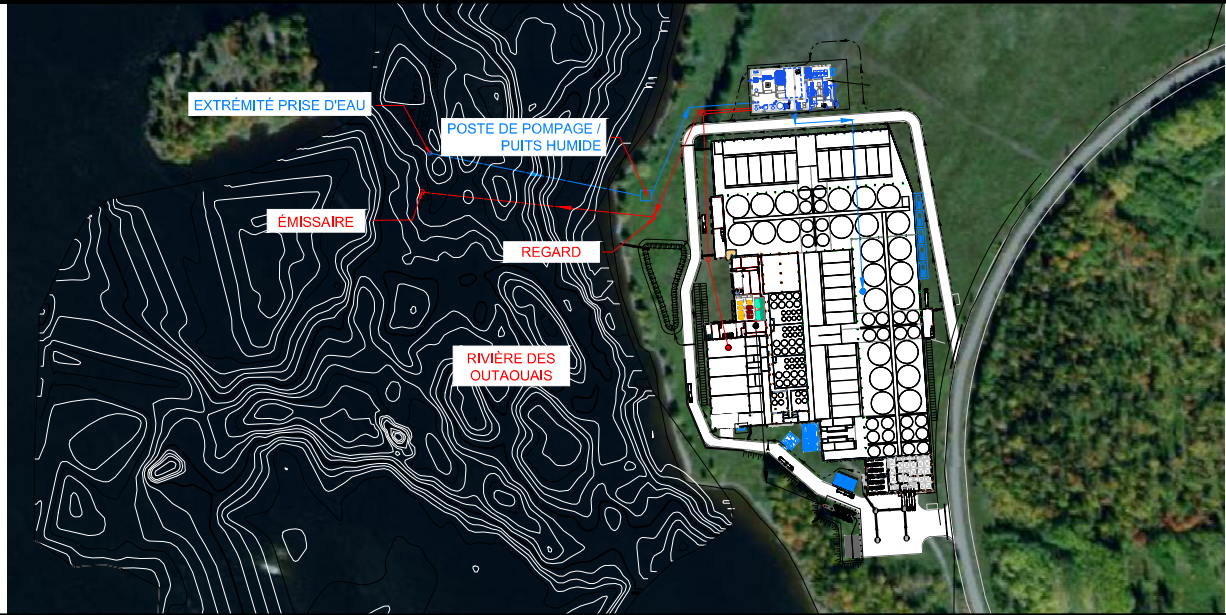


MÉCANIQUE DE PROCÉDÉ	
CONCÉDÉ PAR : E. CLOUTIER	CONCÈDE : 1:2 000
CONCÉDÉ PAR : MATHIEU NDESJARDINS	DATE : 2024-05-02
CONCÉDÉ PAR : MATHIEU NDESJARDINS	PROJET PAR : MP-01
PROJET PAR : NOS 198A	
PROJET PAR : 02 DE 27	

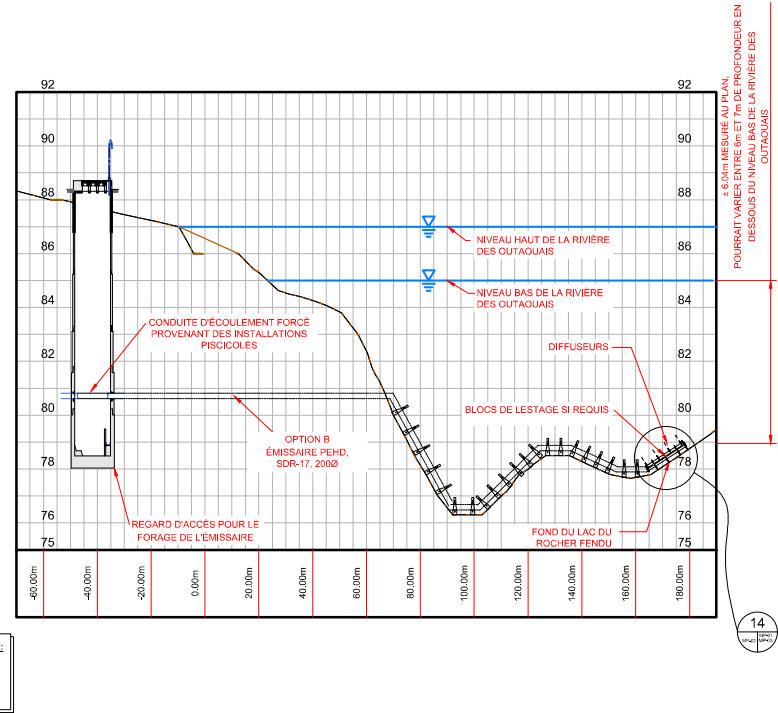
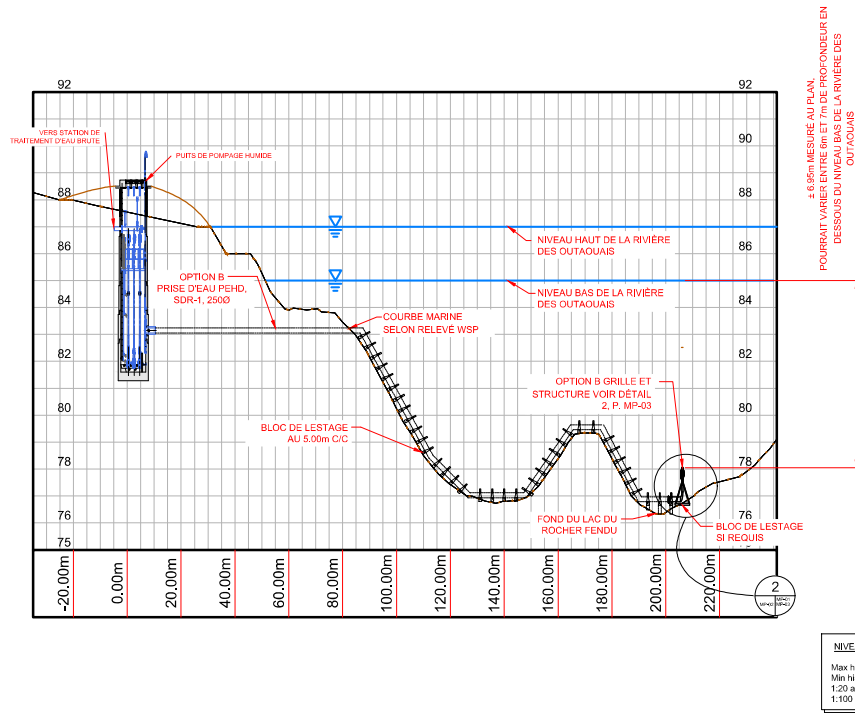
MÉCANIQUE DE PROCÉDÉ	
CONCÉDÉ PAR : E. CLOUTIER	CONCÈDE : 1:2 000
CONCÉDÉ PAR : MATHIEU NDESJARDINS	DATE : 2024-05-02
CONCÉDÉ PAR : MATHIEU NDESJARDINS	PROJETÉ PAR :
PROJÉTÉ PAR : NIXO 198A	DESIGNÉ PAR :
PROJÉTÉ PAR : 02 DE 27	MP-01



DESIGNER : F. Déry, tech. E. Cloutier	ÉCHELLE : AUCUNE
CONCEPT : M.N. Desjardins, ing.	DATE : 2021/09/20
STRATEGIE : M.N. Desjardins, ing.	
PROJET No : MO8108A	DESIGN No : MP-02.1
FEUILLE No : 03 DE 27	



PLAN B



CE DOCUMENT NE DOIT PAS ÊTRE
UTILISÉ À DES FINS DE
CONSTRUCTION

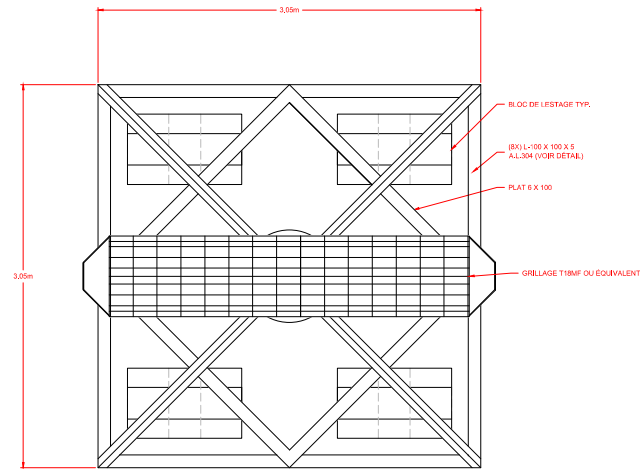
No.	Date	Description	Par
01	2025-02-17	REVISION PRELIMINAIRE	M.N.D.
02	2025-02-17	REVISION PRELIMINAIRE	M.N.D.
03	2024-09-27	REVISION PRELIMINAIRE	M.N.D.
04	2024-12-10	REVISION PRELIMINAIRE	M.N.D.
05	2024-11-27	REVISION PRELIMINAIRE	M.N.D.
06	2024-08-08	REVISION PRELIMINAIRE	F.B.
07	2024-08-08	REVISION PRELIMINAIRE	F.B.
08	2024-08-08	REVISION PRELIMINAIRE	F.B.
09	2024-08-08	REVISION PRELIMINAIRE	F.B.
10	2024-08-08	REVISION PRELIMINAIRE	F.B.
11	2024-08-08	REVISION PRELIMINAIRE	F.B.
12	2024-08-08	REVISION PRELIMINAIRE	F.B.
13	2024-08-08	REVISION PRELIMINAIRE	F.B.
14	2024-08-08	REVISION PRELIMINAIRE	F.B.
15	2024-08-08	REVISION PRELIMINAIRE	F.B.
16	2024-08-08	REVISION PRELIMINAIRE	F.B.
17	2024-08-08	REVISION PRELIMINAIRE	F.B.
18	2024-08-08	REVISION PRELIMINAIRE	F.B.
19	2024-08-08	REVISION PRELIMINAIRE	F.B.
20	2024-08-08	REVISION PRELIMINAIRE	F.B.

Assistance technique en ingénierie
traitement d'eaux usées des effluents
de pisciculture à Litchfield en Outaouais

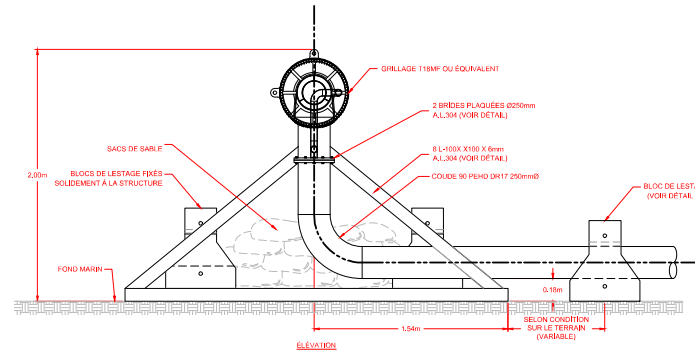
PLAN ÉMISSAIRE ET PRISE D'EAU
PROPOSÉS
(OPTION B)

MÉCANIQUE DE PROCÉDÉ

PROJETANT F. Dery, tech. C. Cloutier	PROJET AUGULNE
CLIENT M.N. Desjardins, inc.	DATE 2021/09/20
PROJETANT M.N. Desjardins, inc.	PROJET M00196A
PROJETANT M00196A	PROJETANT MP-02.2



VUE EN PLAN



0.25m

2 BRIDES PLAQUÉES Ø200mm AL205 (VOIR DETAIL)

3.03m

5.00m

5.00m

5.00m

5.00m

5.00m

3.96m

CONDUITE PEHD DR17 200mmØ

2 BRIDES PLAQUÉES (VOIR DETAIL DHE)

VUE EN ELEVATION

VUE EN PLAN

DIFFUSEUR DE TY "TIEFLEX" OU EQUIVALENT

BLOC DE LESTAGE POUR CONDUITE Système

NOTE:
LE PRODUIT AVEC UN CROQUIS
D'UN DIFFUSEUR, FOURNI PAR DHI
(DHI: 42804700 P.20)

[illegible]

PROJET : PROJET D'AQUACULTURE
TERRESTRE EN RECIRCULATION
INTENSIVE DANS LA MRC DE
PONTIAC

PRISE D'EAU, ÉMISSAIRE ET DÉTAIL LESTAGE

MÉCANIQUE DE PROCÉDÉ

CONCERNÉ PAR : E. CLOUTIER	ÉVALUÉ : INDIQUÉE
CONQUÉRIR : MATHIEU N.DESJARDINS	DATE : 2024-05-02
CONCERNÉ PAR : MATHIEU N.DESJARDINS	CONQUÉRIR : MP-03
PROJET No : M06198A	ORDRE No : MP-03
PROJET No : 05 DE 27	

Annexe B

Rapport : Émissions fugitives de méthane

BESOINS

Le client, Samonix, désire connaître les émissions fugitives de méthane reliées à la biométhanisation de ses matières résiduelles (boues aquacoles, carcasses, sang et viscères). La demande initiale provient d'une question du ministère qui est la suivante :

QC2 - 7

À la Section 5.1.3 et annexe H de l'addenda 1, le bilan GES du projet est incomplet puisque les émissions fugitives de méthane reliées à la biométhanisation des matières résiduelles (boues aquacoles, carcasses, sang et viscères) ne s'y retrouvent pas. Veuillez quantifier les émissions fugitives de méthane reliées à la biométhanisation des matières résiduelles du projet (boues aquacoles, carcasses, sang et viscères) pour finaliser votre bilan. Pour ce faire l'initiateur peut s'inspirer de l'équation 3.20 du **Guide de quantification des émissions de gaz à effet de serre du MELCCFP** (2025). Si celles-ci étaient jugées négligeables, veuillez en donner la justification.

CALCULS ÉMISSIONS FUGITIVES

Le calcul se base sur l'équation 30 du Guide de quantification des émissions de gaz à effet de serre du MELCCFP (2025) soit :

$$E_{CH4BIOMET} = Q_{CH4BIOMET} \times T_{FCH4}$$

Où :

$E_{CH4BIOMET}$ = Émissions de GES attribuables au procédé de biométhanisation de matières résiduelles organiques, en tonnes de CH₄ par année;

$Q_{CH4BIOMET}$ = Quantité de méthane produite, en tonnes de CH₄ par année;

T_{FCH4} = Taux de fuite de méthane du procédé de biométhanisation. **Cette valeur est à 2% selon le guide.**

$Q_{CH4BIOMET}$ est calculé en fonction de la quantité de matière et la nature de ceux-ci. Les données suivantes proviennent des bases de données et des références de Qarbonex.

Boues aquacoles

- 26 000 tonnes brutes par an
- 20% de matières sèches (20%MS)
- 85% de matières organiques (85%MO/%MS)
- Potentiel méthanogène de 450 Nm³ CH₄/T MO

Production de méthane boues = 26 000 t * 0,20 * 0,85 * 450 = **1 989 000 Nm³ CH₄**

Carcasses, sang et viscères (CSV)

- 3 120 tonnes brutes par an
- 22% de matières sèches (22%MS)
- 90% de matières organiques (90%MO/%MS)
- Potentiel méthanogène de 230 Nm³ CH₄/T MO

Production de méthane CSV = 3 120 t * 0,22 * 0,90 * 230 = **142 085 Nm³ CH₄**

Émissions fugitives

$$E_{CH_4BIOMET} = Q_{CH_4BIOMET} \times T_{FCH_4}$$

$Q_{CH_4BIOMET}$ = Méthane Boues + CSV = 1 989 000 + 142 085 = 2 131 085 Nm³ CH₄

T_{FCH_4} = 0,02

$E_{CH_4BIOMET}$ = 2 131 085 * 0,02 = **42 622 Nm³ CH₄ par an**

Ce calcul d'émission prend en compte que toutes les matières sont acceptées et approuvées pour la biométhanisation.

Annexe C

Études photométriques

Informations Générales			
Projet :	Éclairage extérieur, Usine Samonix	Client :	Samonix
Date :	2025-12-17	Secteur :	
Émission :	Pour étude d'impact environnemental	Numéro de Projet :	0374.001

Introduction

Samonix a mandaté notre firme, spécialisée en conception lumière et en ingénierie d'éclairage, afin de développer une conception d'éclairage adaptée au site et respectueuse de sa sensibilité environnementale. Dans ce cadre, une solution d'éclairage a été élaborée en tenant compte des caractéristiques du milieu et des enjeux environnementaux associés. La présente note technique vise à appuyer cette conception et à en expliciter les principes retenus, notamment les préconisations adoptées afin de minimiser les impacts de l'éclairage sur l'environnement.

Les documents suivants accompagnent la présente note technique :

- les fiches techniques des luminaires et équipements préconisés ;
- l'étude photométrique, incluant les calculs point par point ainsi que les rendus pseudo-couleur et RGB ;
- le plan d'implantation de l'éclairage.

1. Délimitation des zones éclairées et niveaux d'éclairement

La conception de l'éclairage a été volontairement limitée aux zones où un éclairage est strictement nécessaire pour assurer la sécurité des usagers et le bon déroulement des opérations du site. Aucune illumination décorative ou superflue n'a été retenue.

Une coordination étroite avec le client a permis d'identifier précisément les secteurs nécessitant un éclairage, afin de restreindre l'intervention lumineuse aux seuls espaces fonctionnels et d'éviter toute extension inutile vers les zones sensibles ou non utilisées.

Les niveaux d'éclairement ont été définis en s'appuyant sur les recommandations les plus récentes de l'IESNA, lesquelles intègrent des critères renforcés de protection de l'environnement nocturne. Ces niveaux visent à assurer un éclairage suffisant et sécuritaire, tout en demeurant aussi bas que raisonnablement possible pour limiter les impacts sur le milieu naturel.

2. Choix des équipements et mesures de réduction des impacts lumineux

Le choix des luminaires et des accessoires a été guidé par les recommandations de l'IESNA, de la norme BNQ relative à la pollution lumineuse ainsi que par les principes de l'International Dark-Sky Association. Les critères retenus visent à limiter la dispersion lumineuse, l'éblouissement et la pollution lumineuse cumulative.

2.1 Température de couleur adaptée à l'environnement

L'ensemble des luminaires du projet utilise des températures de couleur chaudes, soit 1900 K pour tous les luminaires, à l'exception de ceux installés sous les soffites des entrées, qui sont à 2700 K. Ces températures de couleur sont reconnues pour leur faible composante bleue et leur impact réduit sur la faune et la flore.

Les luminaires à 2700 K sont limités à des zones localisées nécessitant une meilleure reconnaissance visuelle, un confort accru et un sentiment de sécurité renforcé. Cette différenciation permet de maintenir un équilibre entre les exigences fonctionnelles du site et la protection de l'environnement nocturne.

Dans l'étude photométrique, les fichiers utilisés correspondent à des modèles de luminaires disponibles en 3000 K, les fichiers IES des versions 1900 K n'étant pas disponibles au moment de l'analyse. Ces fichiers ont été utilisés avec une réduction de 18% du flux lumineux afin de refléter la performance lumineuse réduite des modèles préconisés à 1900 K, lesquels présentent une puissance lumineuse inférieure aux versions 3000 K. Cette approche permet de représenter de manière conservatrice les niveaux d'éclairement attendus pour le projet.

2.2 Contrôle du flux lumineux et performance optique

Les luminaires sélectionnés présentent une classification BUG B1-U0-G1 ou B0-U0-G1, assurant un contrôle optique rigoureux du flux lumineux, caractérisé par :

- aucune émission lumineuse au-dessus de l'horizontale (U0) ;
- un rétro-éclairage très faible à quasi nul (B1 à B0) ;
- un éblouissement très limité (G1).

Ce niveau de performance optique permet de concentrer l'éclairage sur les zones visées et de limiter la dispersion lumineuse vers le ciel et les secteurs adjacents, contribuant ainsi à la réduction de la pollution lumineuse et des impacts visuels hors site.

2.3 Limitation de la pollution lumineuse cumulative

Une stratégie de contrôle de l'éclairage a été intégrée à la conception afin de favoriser un fonctionnement à la demande. L'utilisation de détecteurs de mouvement permet de réduire la durée d'allumage nocturne, de limiter l'exposition inutile des milieux naturels environnants et ainsi réduire les impacts potentiels de l'éclairage sur la faune et la flore adjacents.

Conclusion

La conception d'éclairage proposée repose sur une approche volontairement restrictive et contrôlée, visant à répondre aux besoins de sécurité et d'exploitation du site tout en limitant les impacts sur l'environnement. La délimitation précise des zones éclairées, l'application de niveaux d'éclairement conformes aux recommandations récentes de l'IESNA, le recours à des températures de couleur chaudes et la mise en œuvre d'une stratégie de contrôle à la demande constituent les principaux leviers de cette approche.

Les choix techniques retenus, incluant le contrôle optique rigoureux des luminaires et les mesures de réduction de l'intrusion lumineuse, permettent de limiter l'exposition des milieux naturels environnants et de préserver la sensibilité environnementale du site. L'ensemble de ces mesures s'inscrit dans les bonnes pratiques reconnues en matière d'éclairage responsable et de protection de l'environnement nocturne.

Rédigé par : Claude Alarie et Amine Bouimadaghane ing. (OIQ 143689)



Projet: SAMONIX

ÉCLAIRAGE EXTÉRIEUR

Date:2025-12-18

Étude photométrique

CALCULS: DÉNÉGATION DE RESPONSABILITÉ

Les calculs sont exécutés conformément aux normes et pratiques de l'IES. Il peut y avoir une différence entre les valeurs mesurées et les valeurs calculées. Cette différence est attribuable aux tolérances dans les méthodes de calcul, aux procédures de test, à la performance des composants, aux techniques de mesure ainsi qu'aux conditions du site, tel le voltage et les variations de température. Les données utilisées pour exécuter les calculs, ainsi que les dimensions de la pièce, les réflectances, l'ameublement et les éléments architecturaux affectent les calculs d'éclairage de façon significative. Si les conditions réelles du milieu ne correspondent pas aux données, il y aura des différences significatives entre les valeurs réelles et les valeurs calculées.

Étude réalisée avec le logiciel de photométrie AGI32

Ombrages - Montréal, 5661 De Lanaudière, Bur. 200
tél.: 514.523.3361 www.ombrages.com

Nom du Projet : SAMONIX

Filename: 0374.001 SAMONIX_1900K_2025-12-18.AGI

Préparé par: Claude Alarie

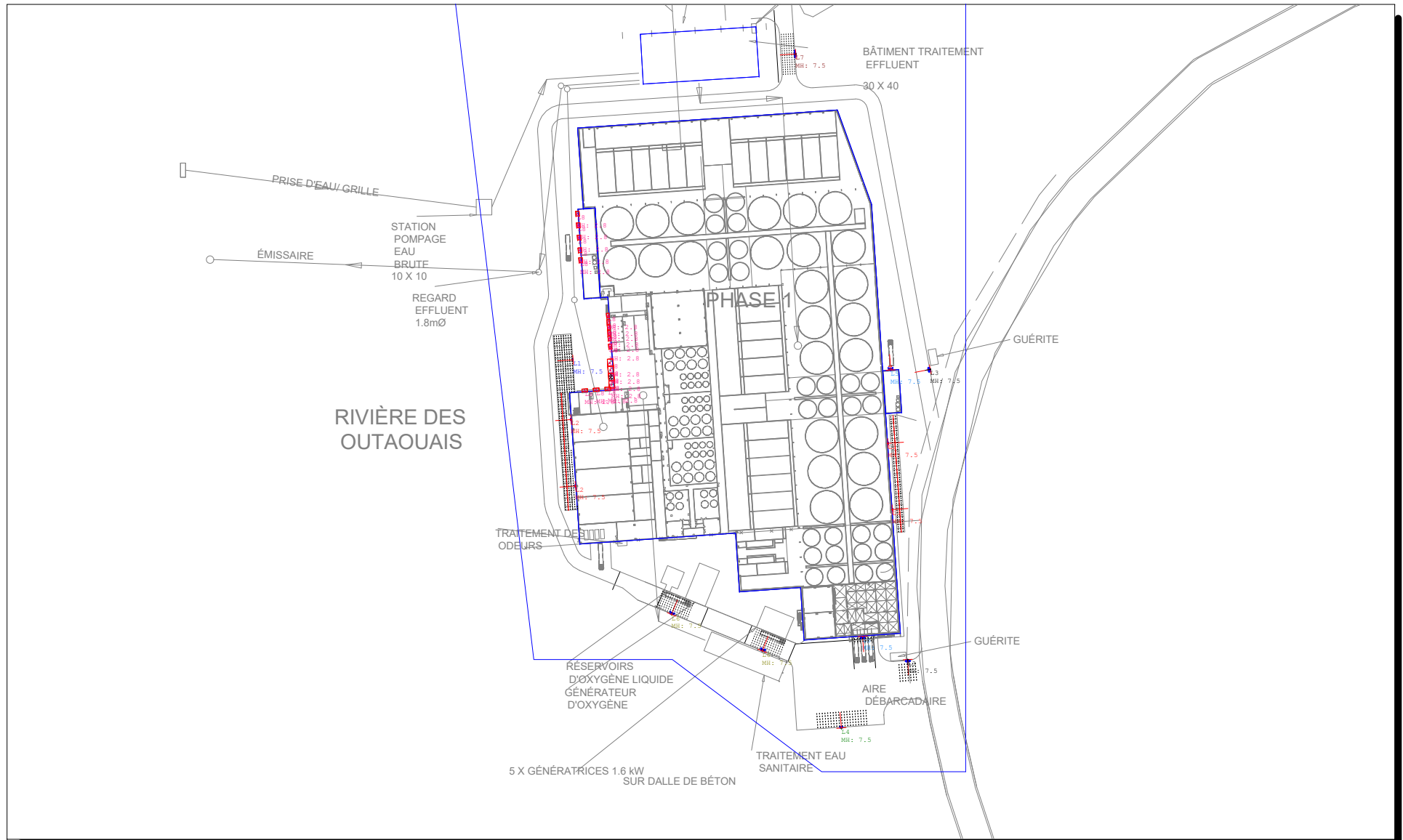
Vérifié par: Amine Bouimadaghane, Ing. (143689) Unités: mètres/lux

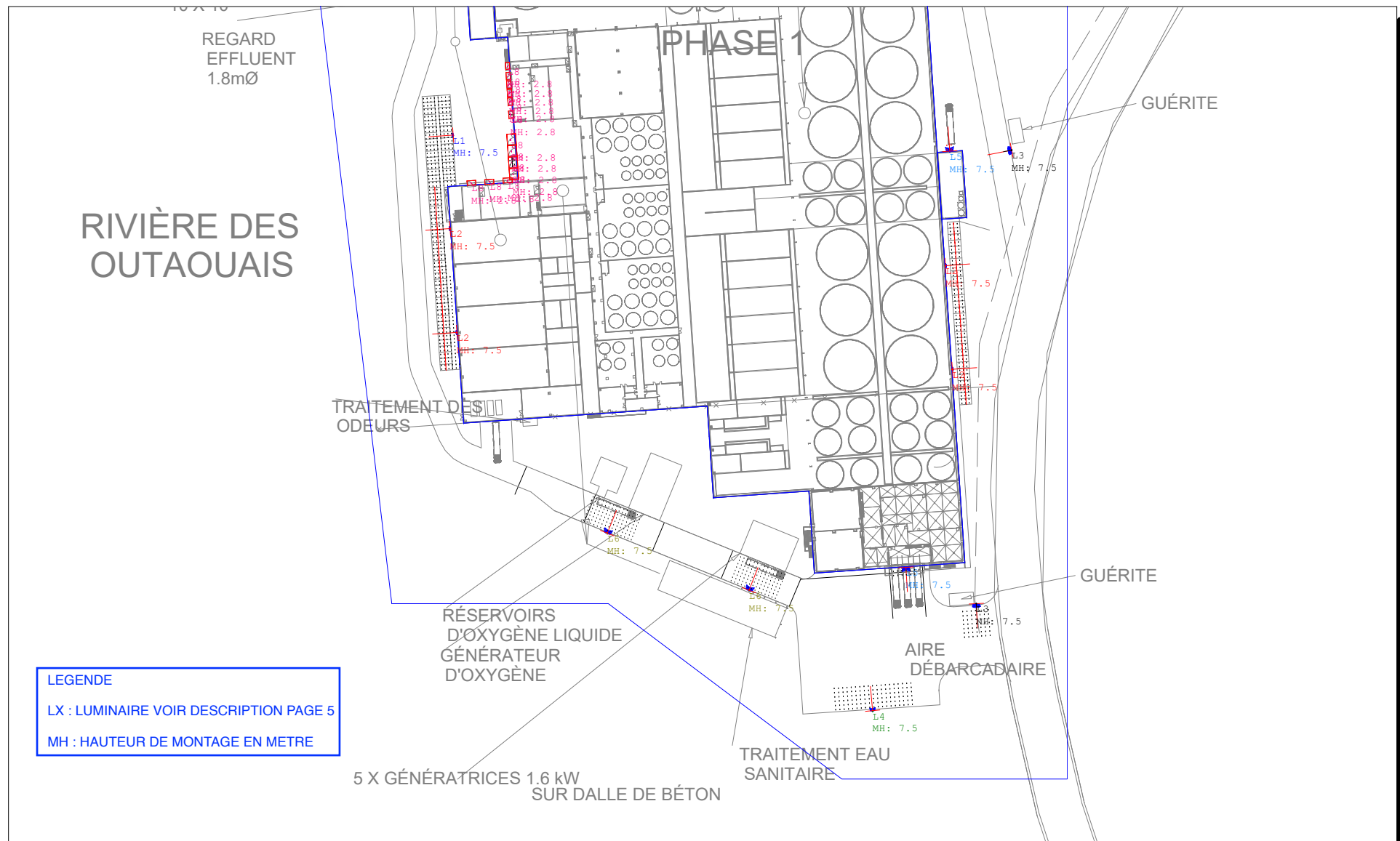
Date:2025-12-18

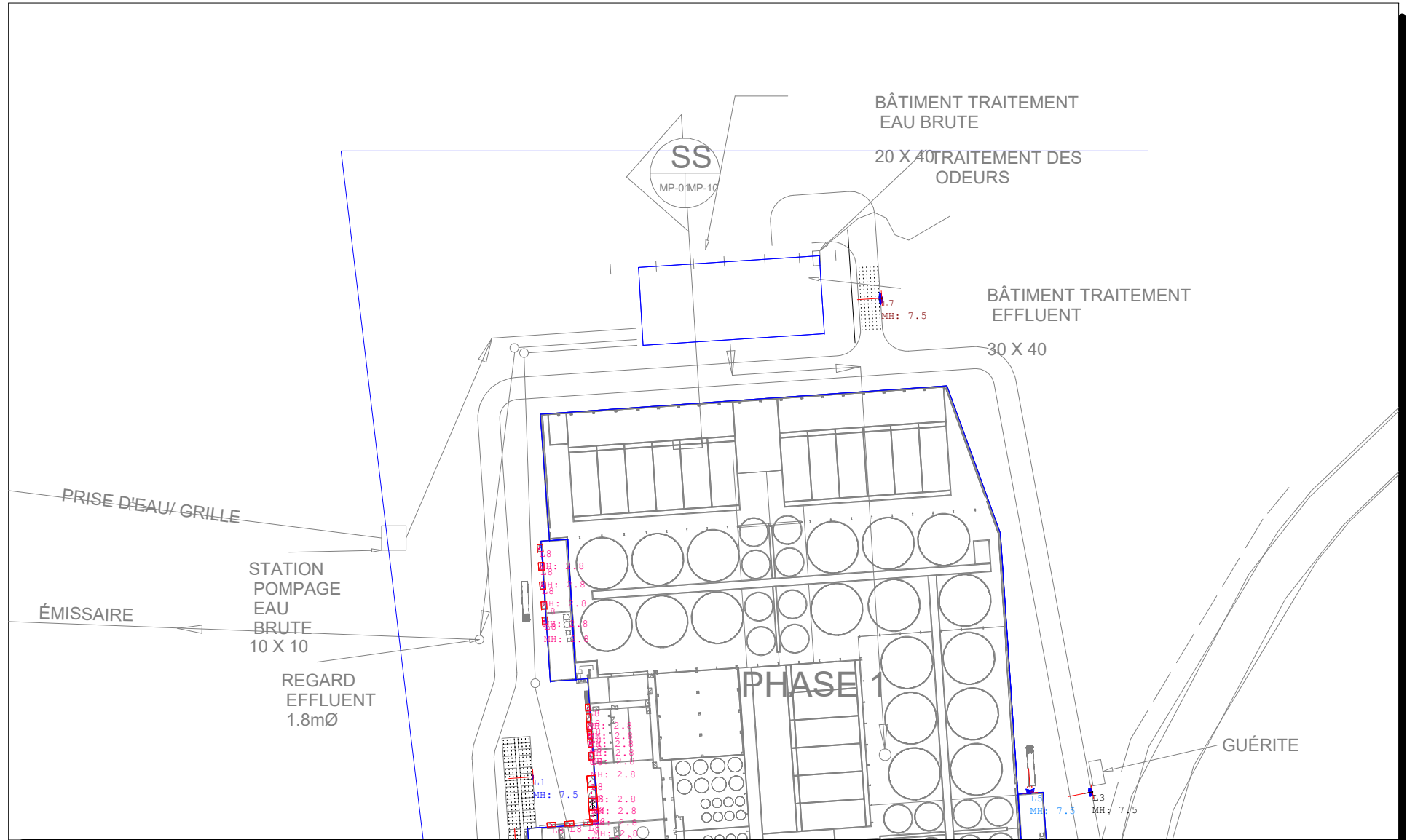
AGI32® Version 22.2.78

Page 1 of 13

DÉNÉGATION DE RESPONSABILITÉ: Les calculs sont exécutés conformément aux normes et pratiques de l'IES. Il peut y avoir une différence entre les valeurs mesurées et les valeurs calculées. Cette différence est attribuable aux tolérances des composants, aux techniques de mesure ainsi qu'aux conditions du site, tel le voltage et les variations de température. Les données utilisées pour exécuter les calculs, ainsi que les dimensions de la pièce, les réflectances, l'ameublement et les éléments architecturaux affectent les calculs d'éclairage de façon significative. Si les conditions réelles du milieu ne correspondent pas aux données, il y aura des différences significatives entre les valeurs réelles et les valeurs calculées.







SOMMAIRE DES LUMINAIRES

Scenario: ALL

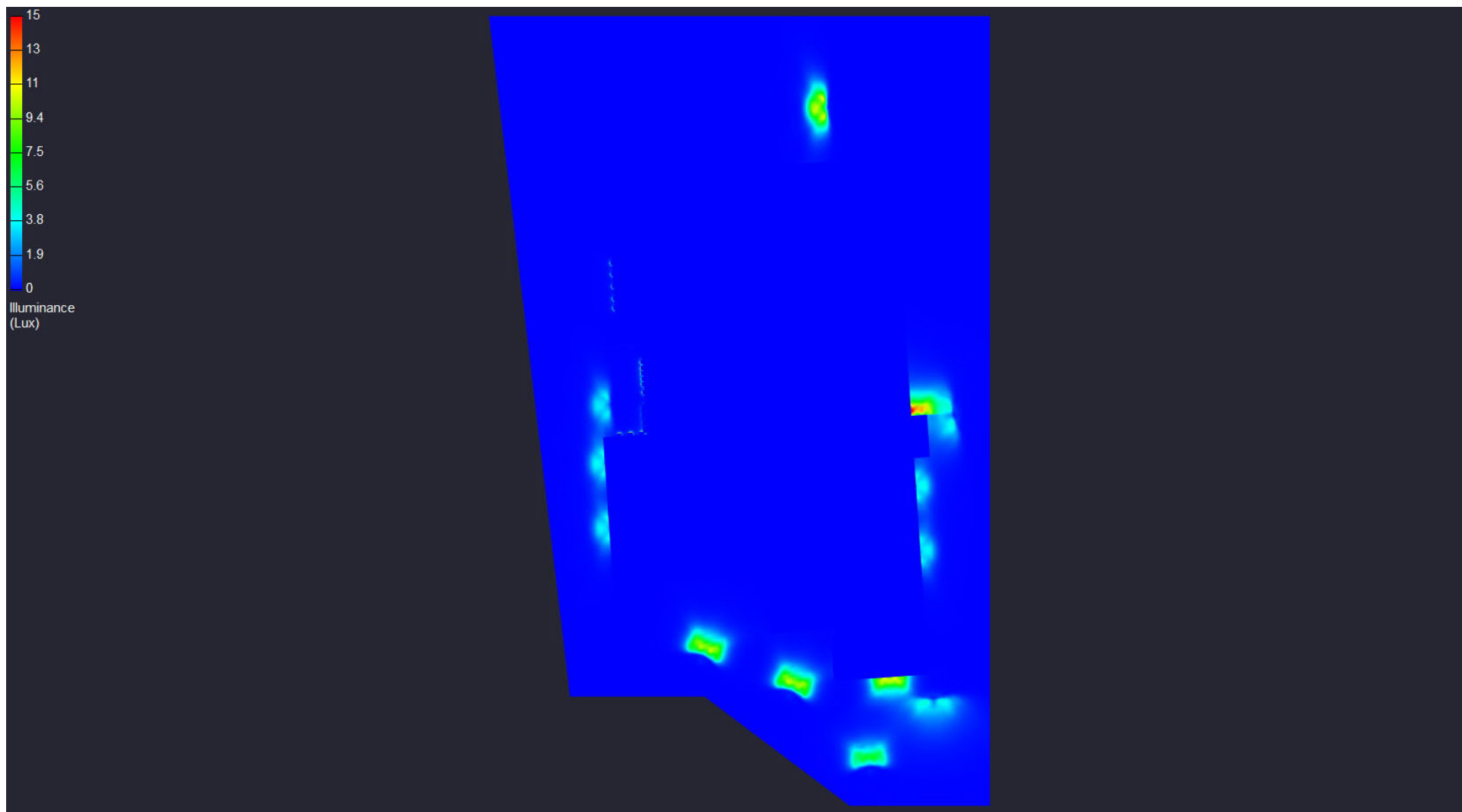
Tag	Qté	Symbole	Description	LLF	Lum. Lumens	Filename
L1	1		LUMINAIRE STATIONNEMENT (MONTAGE SUR FÛT)	0.900	1560	EDGE-2MB-E_EDITABLE_02_350_3000K.ies
L2	4		LUMINAIRE STATIONNEMENT (MONTAGE MURAL SUR BÂTIMENT)	0.900	1560	EDGE-2MB-E_EDITABLE_02_350_3000K.ies
L3	2		LUMINAIRE GUÉRITÉ (MONTAGE SUR FÛT)	0.900	4309	EDGE-3MB-E_EDITABLE_06_350_3000k.ies
L4	1		LUMINAIRE AIRE DÉBARCADÈRE (MONTAGE SUR FÛT)	0.900	3121	EDGE-4MB-E_EDITABLE_3000K_04_350.ies
L5	2		LUMINAIRE QUAIS (MONTAGE MURALE SUR BÂTIMENT)	0.900	4628	EDGE-4MB-E_EDITABLE_3000K_06_350.ies
L6	2		LUMINAIRE GÉNÉRATRICE ET RÉSERVOIR (MONTAGE SUR FÛT)	0.900	4628	EDGE-4MB-E_EDITABLE_3000K_06_350.ies
L7	1		LUMINAIRE BÂTIMENT TRAITEMENT (MONTAGE SUR FÛT)	0.900	4628	EDGE-2MB-E_EDITABLE_06_350_3000K.ies
L8	18		LUMINAIRE ENTRÉE (ENCASTRÉ DANS SOFFITE)	0.900	163	S5515H.ies

NOTE: LES FICHIERS UTILISÉS DES LUMINAIRES L1-L2-L3-L4-L5-L6-L7 SONT DE 3000°K. L'INTENSITÉ DE CES FICHIERS A ÉTÉ RÉDUIT DE 18% DANS LES CALCULS, POUR RÉFLÉTER UN FLUX LUMINEUX DE 1900°K.

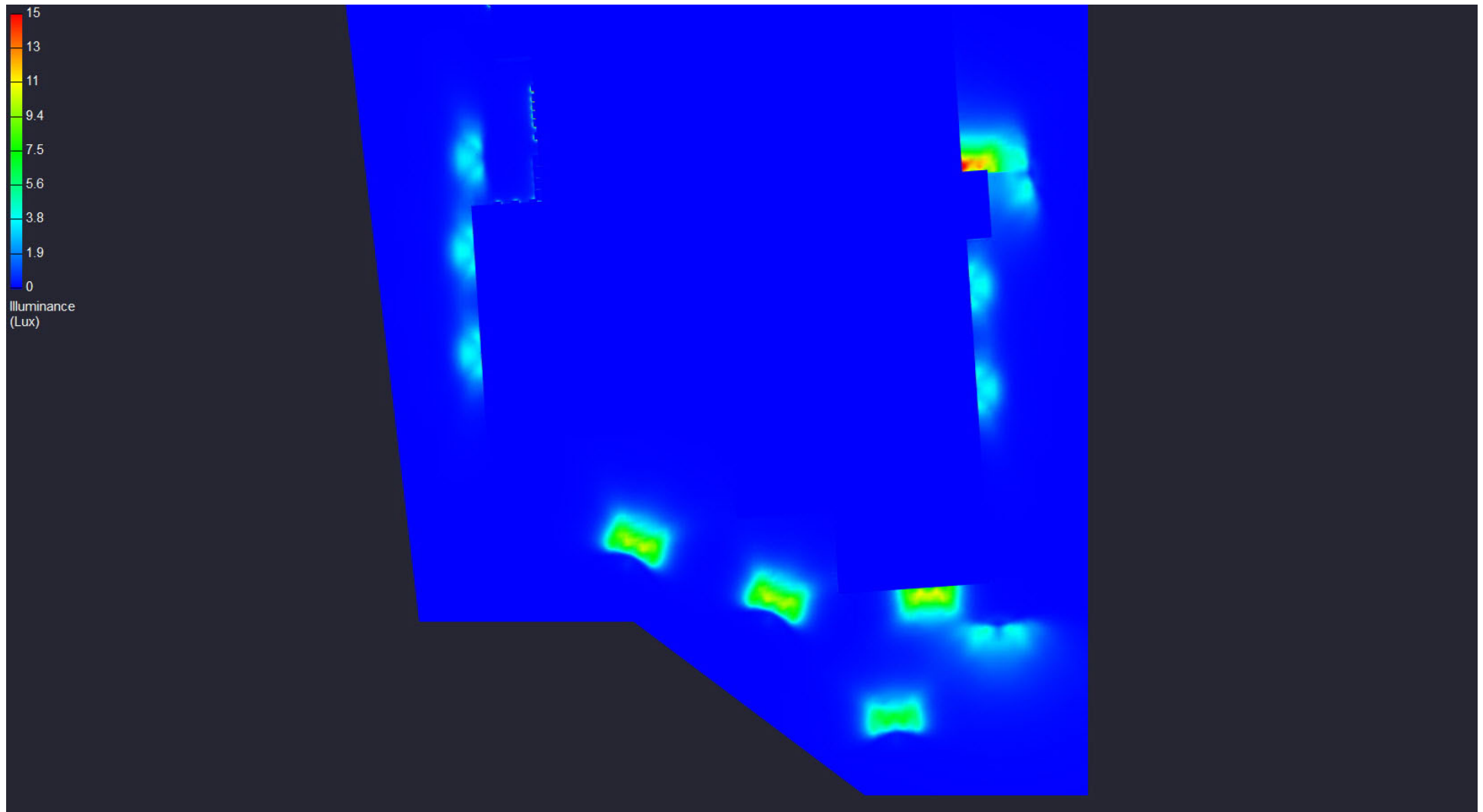
SOMMAIRE DES CALCULS

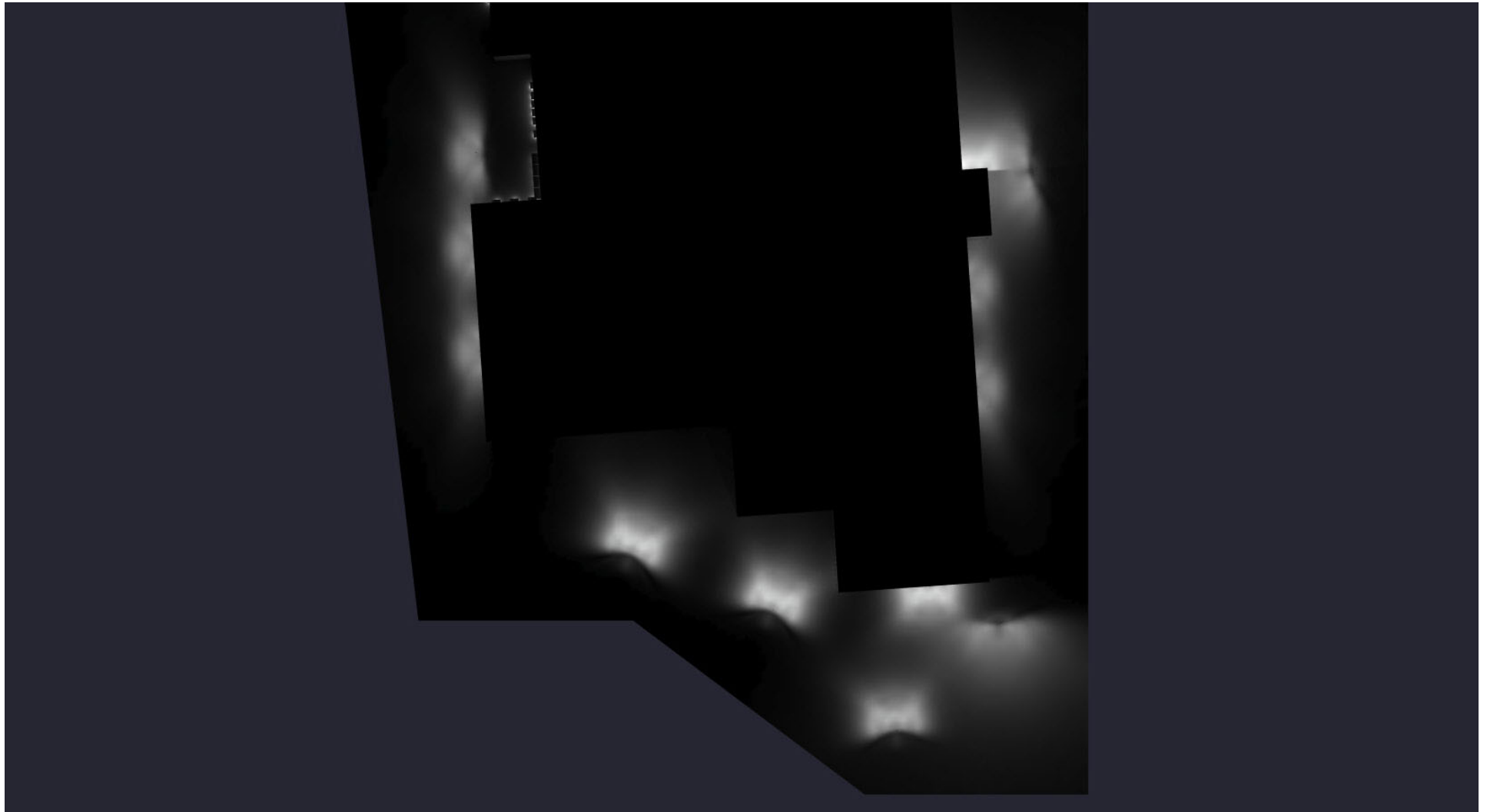
Scenario: ALL

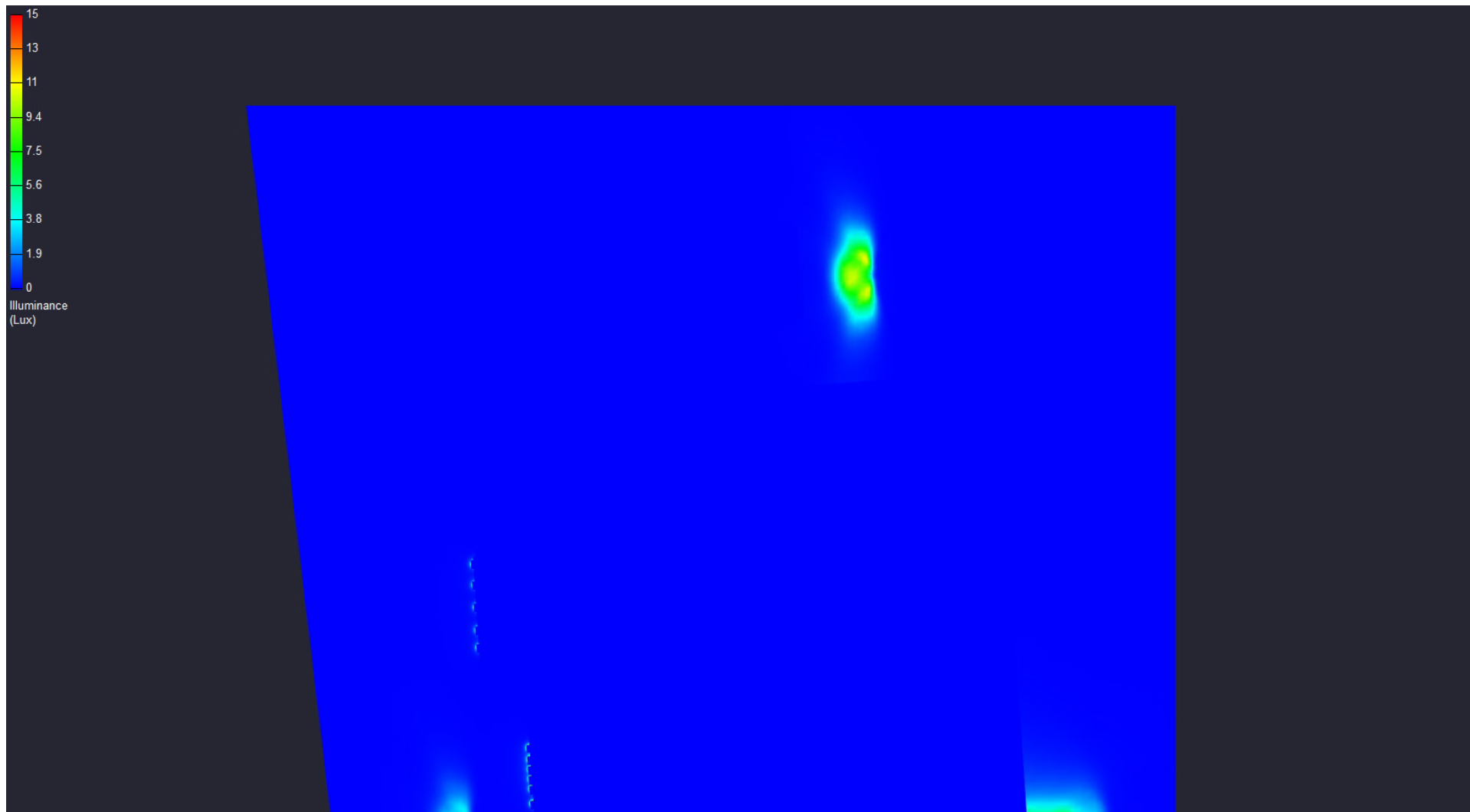
Étiquette	Type de Calculs	Unités	Moy	Moy/Min	Max/Avg
ENTRÉE	Illuminance	Lux	7.48	1.92	N.A.
ENTRÉE_VERTICAL	Illuminance	Lux	2.50	1.67	N.A.
GUÉRITÉ	Illuminance	Lux	2.95	1.55	N.A.
QUAI 1	Illuminance	Lux	9.38	1.38	N.A.
QUAI 2	Illuminance	Lux	10.73	1.21	N.A.
STATIONNEMENT EST	Illuminance	Lux	2.44	N.A.	1.68
STATIONNEMENT EST_VERTICAL	Illuminance	Lux	2.44	4.88	2.25
STATIONNEMENT OUEST	Illuminance	Lux	2.16	N.A.	1.85
STATIONNEMENT OUEST_VERTICAL	Illuminance	Lux	2.11	3.52	2.13
ZONE AIRE DÉBARCADÈRE	Illuminance	Lux	3.93	4.91	N.A.
ZONE GÉNÉRATRICE	Illuminance	Lux	7.06	2.21	N.A.
ZONE RÉSERVOIRS	Illuminance	Lux	6.95	2.17	N.A.
ZONE TRAITEMENT	Illuminance	Lux	7.60	3.04	N.A.

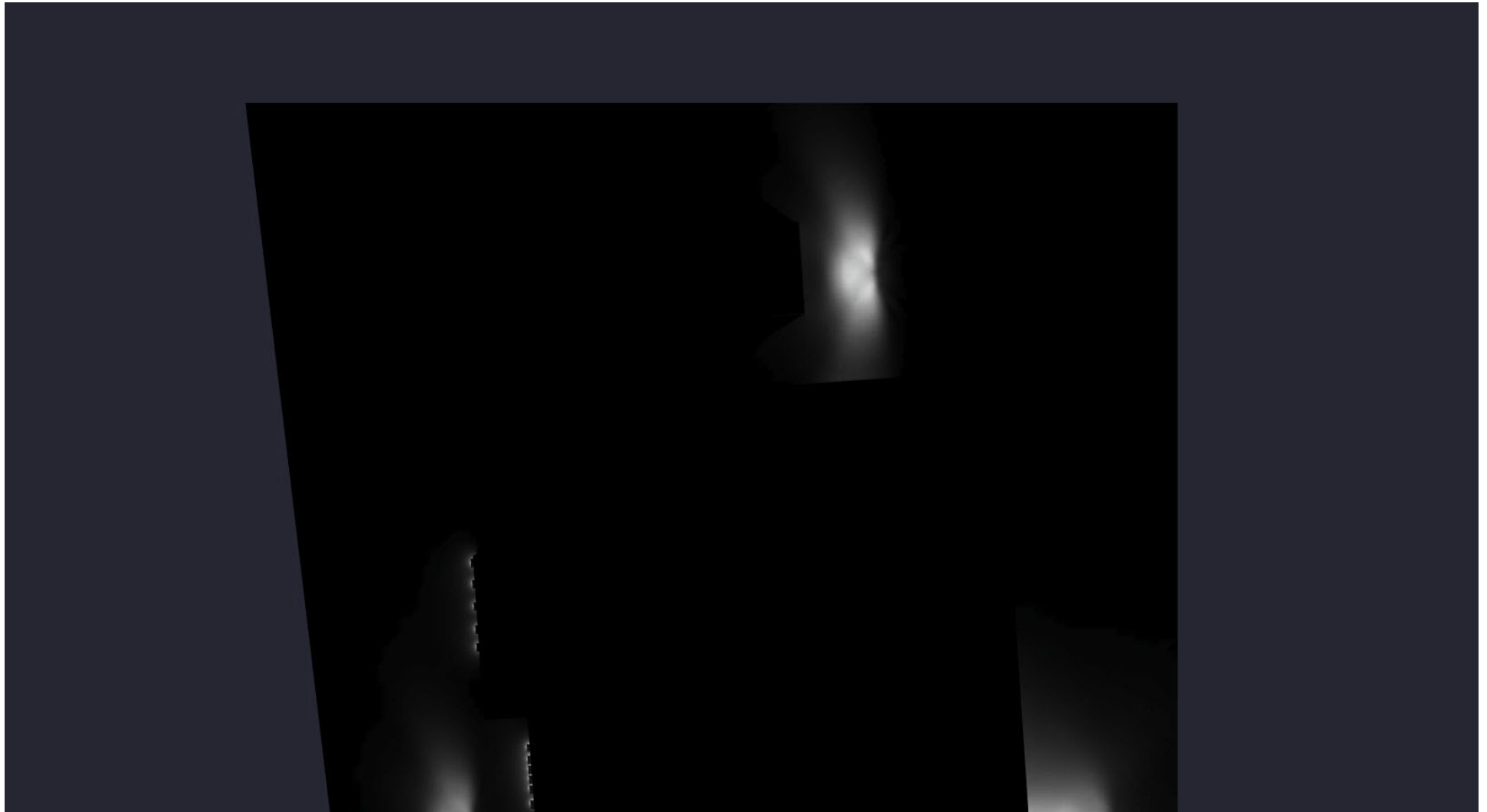












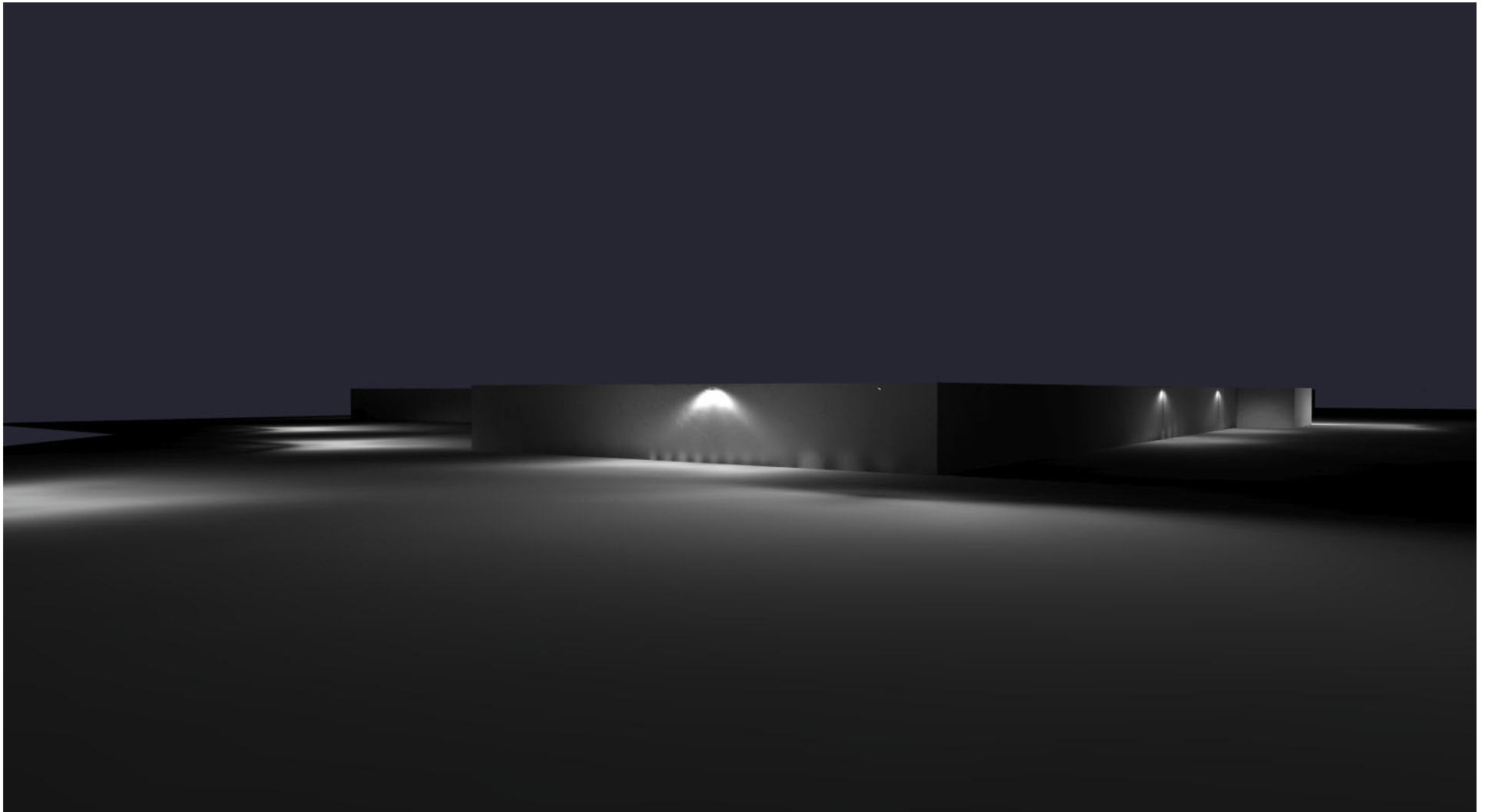
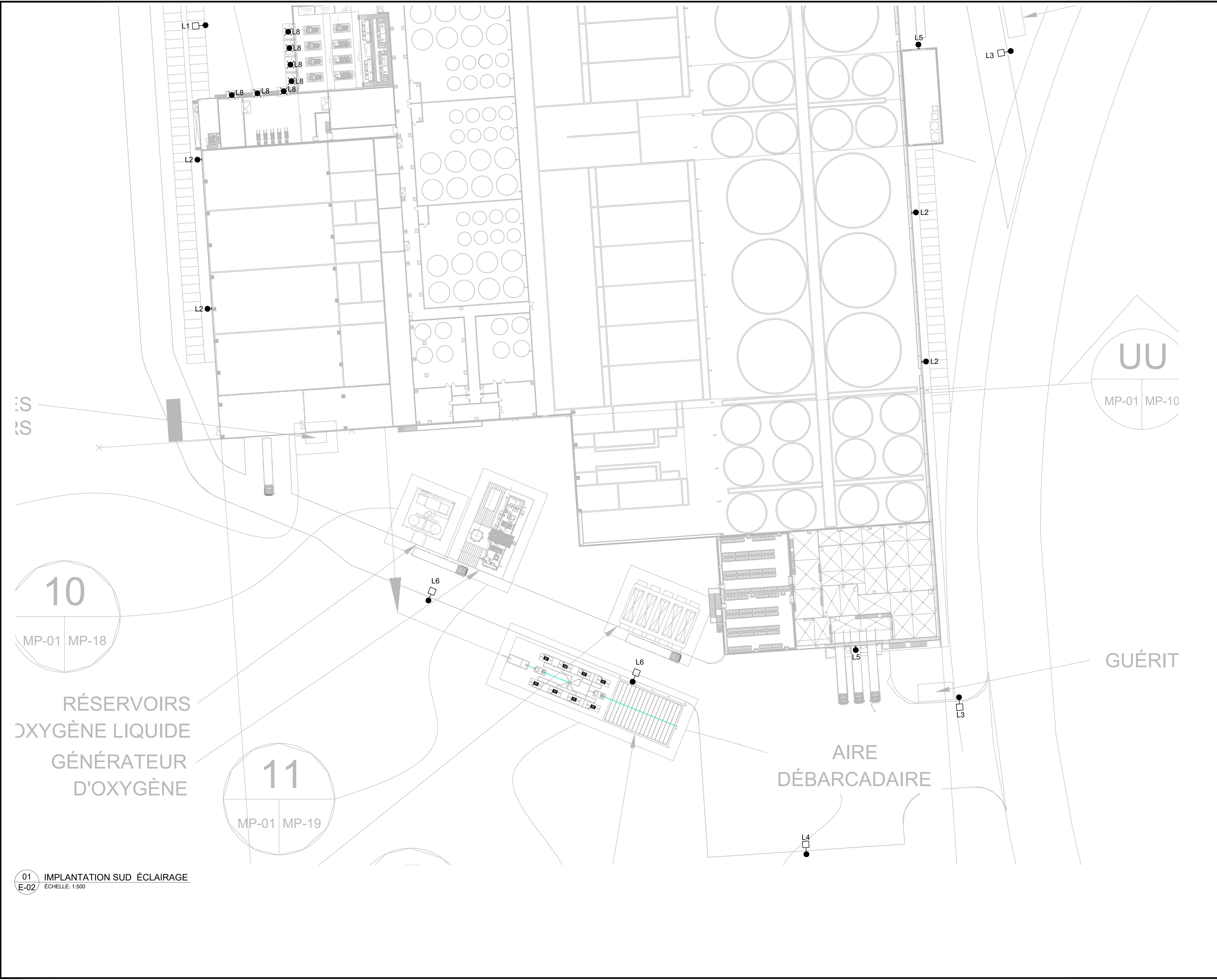




	TABLEAU DES SPÉCIFICATION DES APPAREILS D'ÉCLAIRAGE ET DES ÉQUIPEMENTS DE CONTRÔLE						
TYPE	DESCRIPTION	COMPAGNIE	SÉRIE	NUMÉRO DE CATALOGUE SPÉCIFIÉ	TENSION (Volts)	PUISSANCE (Watts)	HAUTEUR DE MONTAGE (M)
L1	ÉCLAIRAGE STATIONNEMENT 1900°K (MONTAGE SUR FÛT)	CREE	THE EDGE	ARE-EDG-2MB-DA-02-E-UL-BK-350-1900K-PML	120/277	25	7.5
L2	ÉCLAIRAGE STATIONNEMENT 1900°K (MONTAGE MURAL SUR BÂTIMENT)	CREE	THE EDGE	SEC-EDG-2MB-WM-02-E-UL-BK-350-1900K-PML	120/277	25	7.5
L3	ÉCLAIRAGE ZONE GUÉRITE 1900°K (MONTAGE SUR FÛT)	CREE	THE EDGE	ARE-EDG-3MB-DA-06-E-UL-BK-350-1900K-PML	120/277	66	7.5
L4	ÉCLAIRAGE AIRE DÉBARCADÈRE 1900°K (MONTAGE SUR FÛT)	CREE	THE EDGE	ARE-EDG-4MB-DA-04-E-UL-BK-350-1900K-PML	120/277	46	7.5
L5	ÉCLAIRAGE QUAIS 1900°K (MONTAGE MURAL SUR BÂTIMENT)	CREE	THE EDGE	SEC-EDG-4MB-WM-06-E-UL-BK-350-1900K-PML	120/277	66	7.5
L6	ÉCLAIRAGE GÉNÉRATRICE ET RÉSERVOIRS OXYGÈNE 1900°K (MONTAGE SUR FÛT)	CREE	THE EDGE	ARE-EDG-4MB-DA-06-E-UL-BK-350-1900K-PML	120/277	66	7.5
L7	ÉCLAIRAGE BÂTIMENT D'EAU 1900°K (MONTAGE SUR FÛT)	CREE	THE EDGE	ARE-EDG-2MB-DA-06-E-UL-BK-350-1900K-PML	120/277	66	7.5
L8	ÉCLAIRAGE ENTRÉE 00°K (ENCASTRÉ DANS LE SOFFITE)	SISTEMALUX	ZIP COMFORT	MICROZIP COMFORT-S-927-FL-REM-19-D10	120/277	4	2.8





OMBRAGES
5661, de Lanaudière bur. 200
Montréal (Québec) H2G 3A5
Téléphone: 514-780-2220
WWW.OMBRAGES.COM



00	2025/12/18	POUR ÉTUDE D'IMPACT ENVIRONNEMENTALE
REV	DATE	ÉMISSIONS

EN PRÉPARATION

Étant sujet à des modifications ultérieures, ce plan ne doit être utilisé qu'à titre d'information

CLIENT

SAMONIX

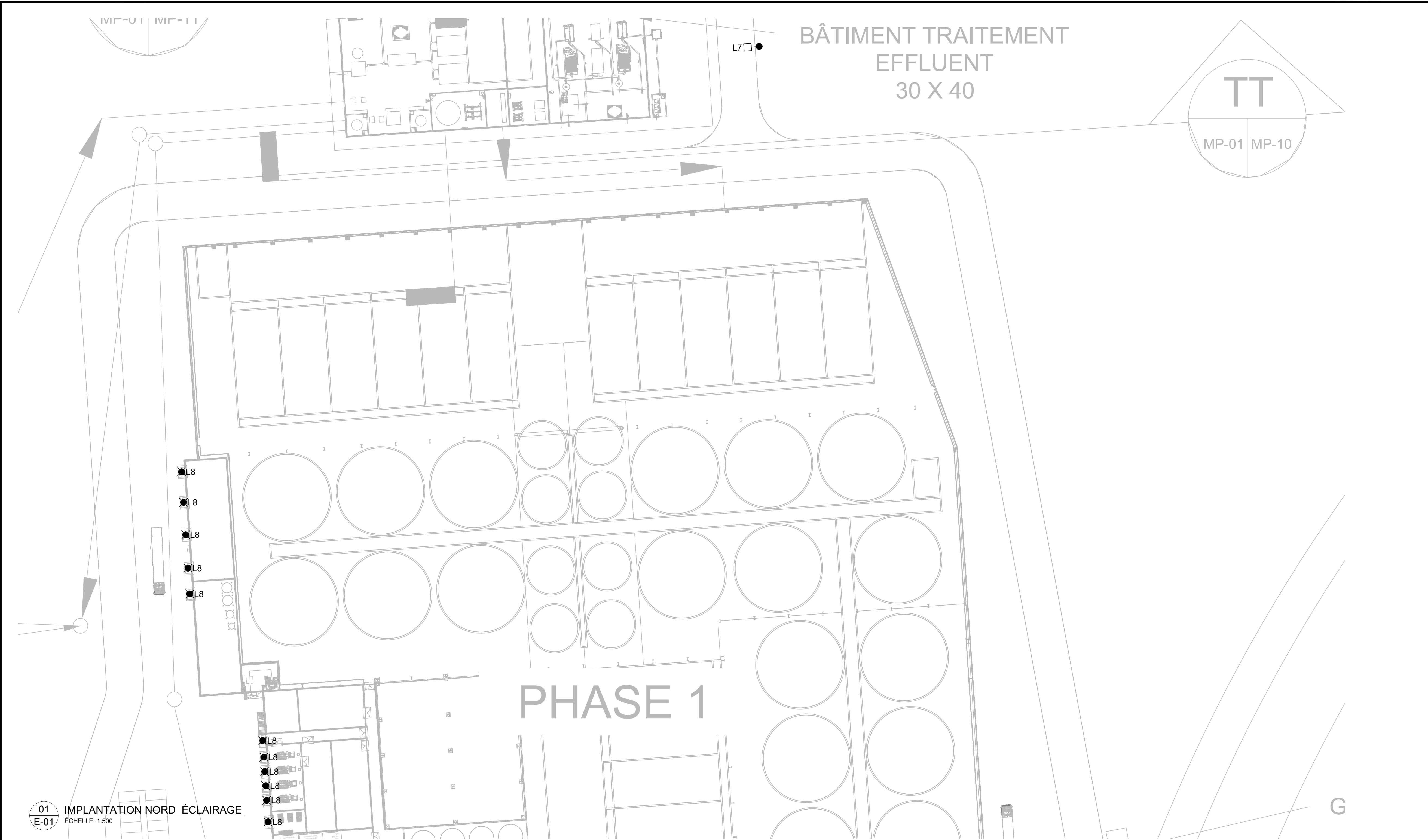
PROJET

ÉCLAIRAGE EXTÉRIEUR

SUJET

IMPLANTATION SUD

PRÉPARÉ : A. BOUIMADAGHANE ing.		
DESSINÉ : NOM	DATE: 2025/12/16	
RÉVISÉ : A. BOUIMADAGHANE ing.	ÉCHELLE : INDIQUÉE	
DESSIN NO.	DOSSIER CLIENT: 0000-000	
E-02	DOSSIER: 0374.001	



01 IMPLANTATION NORD ÉCLAIRAGE
E-01 ÉCHELLE: 1:500

LÉGENDE - ÉCLAIRAGE

- LUMINAIRE EN APPLIQUE
- LUMINAIRE ENCASTRÉ
- LUMINAIRE SUR FÛT

TABLEAU DES SPÉCIFICATION DES APPAREILS D'ÉCLAIRAGE ET DES ÉQUIPEMENTS DE CONTRÔLE							
TYPE	DESCRIPTION	COMPAGNIE	SÉRIE	NUMÉRO DE CATALOGUE SPÉCIFIÉ	TENSION (Volts)	PUISSANCE (Watts)	HAUTEUR DE MONTAGE (M)
L1	ÉCLAIRAGE STATIONNEMENT 1900°K (MONTAGE SUR FÛT)	CREE	THE EDGE	ARE-EDG-2MB-DA-02-E-UL-BK-350-1900K-PML	120/277	25	7.5
L2	ÉCLAIRAGE STATIONNEMENT 1900°K (MONTAGE MURAL SUR BÂTIMENT)	CREE	THE EDGE	SEC-EDG-2MB-WM-02-E-UL-BK-350-1900K-PML	120/277	25	7.5
L3	ÉCLAIRAGE ZONE GUÉRITE 1900°K (MONTAGE SUR FÛT)	CREE	THE EDGE	ARE-EDG-3MB-DA-06-E-UL-BK-350-1900K-PML	120/277	66	7.5
L4	ÉCLAIRAGE AIRE DÉBARCADÈRE 1900°K (MONTAGE SUR FÛT)	CREE	THE EDGE	ARE-EDG-4MB-DA-04-E-UL-BK-350-1900K-PML	120/277	46	7.5
L5	ÉCLAIRAGE QUAIS 1900°K (MONTAGE MURAL SUR BÂTIMENT)	CREE	THE EDGE	SEC-EDG-4MB-WM-06-E-UL-BK-350-1900K-PML	120/277	66	7.5
L6	ÉCLAIRAGE GÉNÉRATRICE ET RÉSERVOIRS OXYGÈNE 1900°K (MONTAGE SUR FÛT)	CREE	THE EDGE	ARE-EDG-4MB-DA-06-E-UL-BK-350-1900K-PML	120/277	66	7.5
L7	ÉCLAIRAGE BÂTIMENT D'EAU 1900°K (MONTAGE SUR FÛT)	CREE	THE EDGE	ARE-EDG-2MB-DA-06-E-UL-BK-350-1900K-PML	120/277	66	7.5
L8	ÉCLAIRAGE ENTRÉE 00°K (ENCASTRÉ DANS LE SOFFITE)	SISTEMALUX	ZIP COMFORT	MICROZIP COMFORT-S-927-FL-REM-19-D10	120/277	4	2.8

OMBRAGES
5661, de Lanaudière bur. 200
Montréal (Québec) H2G 3A5
Téléphone: 514-780-2220
WWW.OMBRAGES.COM

2025-12-18

00	2025/12/18	POUR ÉTUDE D'IMPACT ENVIRONNEMENTALE
REV	DATE	ÉMISSIONS

EN PRÉPARATION

Étant sujet à des modifications ultérieures, ce plan ne doit être utilisé qu'à titre d'information

CLIENT

SAMONIX

PROJET

ÉCLAIRAGE EXTÉRIEUR

SUJET

IMPLANTATION NORD

PRÉPARÉ : A. BOUIMADAGHANE ing.

DESSINÉ : NOM

RÉVISÉ : A. BOUIMADAGHANE ing.

DATE: 2025/12/16

ÉCHELLE : INDIQUÉE

DOSSIER CLIENT: 0000-000

DOSSIER: 0374.001

THE EDGE® Series

TYPE L1-L3-L4-L6-L7

LED Security Wall Pack Luminaire

Rev. Date: V9 06/25/2024

Product Description

THE EDGE® wall mount luminaire has a slim, low profile design. The luminaire end caps are made from rugged die cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and mud ring single gang J-Boxes. Secures to wall with four 3/16" (5mm) screws (by others). Conduit entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring. Includes leaf/debris guard.

Applications: General area and security lighting

Performance Summary

Patented NanoOptic® Product Technology

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: Up to 16,074 lumens

Input Power: 19 - 134 Watts

CRI: Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)

CCT: Turtle Friendly Amber, 3000K (+/- 300K), 4000K (+/- 300K), 5000K (+/- 500K), 5700K (+/- 500K) standard

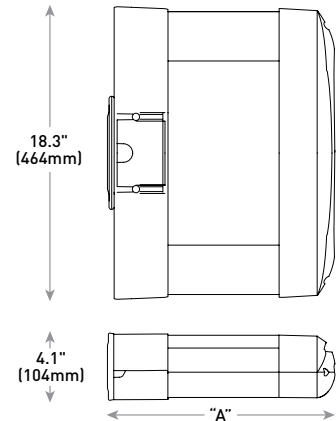
Limited Warranty*: 10 years for luminaire/10 years for Colorfast DeltaGuard® finish/5 years for PML sensors/1 year for accessories

* See <https://www.creelighting.com/resources/warranties/> for warranty terms

Accessories

Field-Installed		
Bird Spikes XA-BRDSPK	Beauty Plate WM-PLT12** - 12" (305mm) Square WM-PLT14** - 14" (356mm) Square - Covers holes left by incumbent wall packs	Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

** Must specify color



LED Count (x10)	Dim. "A"	Weight
02	9.9" (251mm)	20 lbs. (9.1kg)
04	11.9" (303mm)	22 lbs. (10.0kg)
06	13.9" (353mm)	25 lbs. (11.3kg)
08	15.9" (404mm)	27 lbs. (12.2kg)
10	17.9" (455mm)	31 lbs. (14.1kg)
12	19.9" (505mm)	32 lbs. (14.5kg)

Ordering Information

Example: SEC-EDG-2M-WM-06-E-UL-SV-700

SEC-EDG		WM		E				
Family	Optic	Mounting	LED Count (x10)	Series	Voltage	Finish	Drive Current	Options
SEC-EDG	2M Type II Medium	WM Wall Mount	02	E	UL Universal 120-277V	BK Black	350 350mA	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Not available with PML option
	2MB Type II Medium w/BLS		04					
	06		08					
	2S Type II Short		10					
	2SB Type II Short w/BLS		12					
	3M Type III Medium				UH Universal 347-480V	BZ Bronze	525 525mA	F Fuse - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse
	3MB Type III Medium w/BLS							
	4M Type IV Medium							
	4MB Type IV Medium w/BLS							
					34 347V	SV Silver	700 700mA	P Button Photocell - Must specify UL or 34 voltage
						WH White	- Available with 20-60 LEDs	PML Programmable Multi-Level - Refer to PML spec sheet for details - Intended for downlight applications with 0° tilt
								30K 3000K Color Temperature - Minimum 80 CRI - Color temperature per luminaire
								40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire
								50K 5000K Color Temperature - Minimum 90 CRI - Color temperature per luminaire
								TRL Amber Turtle Friendly LEDs - Available only with 350mA - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance



CREE **LIGHTING®**

Website: [creelighting.com](https://www.creelighting.com)

US: (800) 236-6800 Canada: (800) 473-1234

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance aluminum heat sinks specifically designed for LED applications
- Housing is rugged aluminum
- Furnished with low copper, light weight mounting box designed for installation over standard and mud ring single gang J-Boxes
- Luminaire can also be direct mounted to a wall and surface wired
- Secures to wall with four 3/16" (5mm) screws (by others)
- Conduit entry from top, bottom, sides, and rear
- Allows mounting for uplight or downlight
- Designed and approved for easy through-wiring
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- **Weight:** See Dimensions and Weight Chart on page 1

ELECTRICAL SYSTEM

- **Input Voltage:** 120–277V or 347–480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weathertight J-Box with leads (wire nuts) for easy power hook up
- Integral 10kV/5kA surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20LED (525 & 700 mA) and 40-120 LED: 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Enclosure rated IP66 per IEC 60529 when ordered without P or PML options
- ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified with select SKUs. Refer to <https://qpl.designlights.org/solid-state-lighting> for most current information
- RoHS compliant. Consult factory for additional details
- Assembled in the USA by Cree Lighting from US and imported parts
- Some configurations meet requirements of BAA and/or BABA. Consult factory when needed for a project: www.creelighting.com/BAA-BABA
-  **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*								
LED Count (x10)	CCT	System Watts 120-480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
350mA								
02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	0.07
	TRL	19	0.16	0.09	0.08	0.07	0.05	0.04
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0.12
	TRL	35	0.29	0.17	0.15	0.13	0.10	0.07
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	0.15
	TRL	50	0.41	0.24	0.21	0.18	0.14	0.10
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0.20
	TRL	68	0.57	0.33	0.28	0.25	0.20	0.14
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	0.24
	TRL	83	0.69	0.40	0.35	0.30	0.24	0.17
12	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	0.28
	TRL	99	0.82	0.48	0.41	0.36	0.28	0.21
525mA								
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	0.10
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0.16
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0.22
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0.28
700mA								
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	0.12
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0.20
06	30K/40K/50K/57K	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

THE EDGE® Series Ambient Adjusted Lumen Maintenance¹						
Ambient	CCT	Initial LMF	25K hr Reported² LMF	50K hr Reported² LMF	75K hr Reported² / Estimated³ LMF	100K hr Estimated³ LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03²	1.03
	TRL	1.06	1.06	1.06	1.06³	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.02²	1.02
	TRL	1.04	1.04	1.04	1.04³	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01²	1.01
	TRL	1.03	1.03	1.03	1.03³	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.99	0.99	0.99²	0.99
	TRL	1.01	1.01	1.01	1.01³	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.98²	0.98
	TRL	1.00	1.00	1.00	1.00³	1.00

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

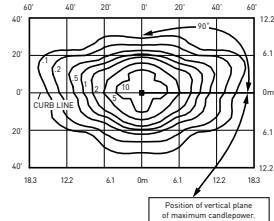
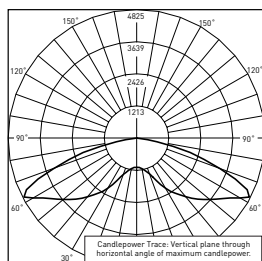
² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://www.creelighting.com/products/outdoor/wall-mount/the-edge-series-5/>

2M



RETL Test Report #: PL10270-004B
ARE-EDG-2M--06-E-UL-525-40K**
Initial Delivered Lumens: 10,053

SEC-EDG-2M--06-E-UL-700-40K**
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 12,425
Initial FC at grade

Type II Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	2,072	B1 U0 G1	2,501	B1 U0 G1	1,902	B1 U0 G1	2,551	B1 U0 G1	816	B0 U0 G0
04	4,143	B2 U0 G1	5,003	B2 U0 G2	3,803	B1 U0 G1	5,102	B2 U0 G2	1,633	B1 U0 G1
06	6,144	B2 U0 G2	7,418	B2 U0 G2	5,640	B2 U0 G2	7,565	B2 U0 G2	2,421	B1 U0 G1
08	8,192	B2 U0 G2	9,891	B3 U0 G3	7,519	B2 U0 G2	10,087	B3 U0 G3	3,228	B1 U0 G1
10	10,215	B3 U0 G3	12,334	B3 U0 G3	9,377	B3 U0 G3	12,578	B3 U0 G3	4,025	B2 U0 G1
12	12,258	B3 U0 G3	14,801	B3 U0 G3	11,252	B3 U0 G3	15,094	B3 U0 G3	4,830	B2 U0 G2
525mA										
02	2,943	B1 U0 G1	3,550	B1 U0 G1	2,702	B1 U0 G1	3,624	B1 U0 G1	N/A	
04	5,886	B2 U0 G2	7,099	B2 U0 G2	5,403	B2 U0 G2	7,248	B2 U0 G2	N/A	
06	8,729	B3 U0 G3	10,527	B3 U0 G3	8,012	B2 U0 G2	10,748	B3 U0 G3	N/A	
08	11,638	B3 U0 G3	14,037	B3 U0 G3	10,683	B3 U0 G3	14,331	B3 U0 G3	N/A	
700mA										
02	3,472	B1 U0 G1	4,189	B2 U0 G1	3,187	B1 U0 G1	4,275	B2 U0 G2	N/A	
04	6,943	B2 U0 G2	8,379	B2 U0 G2	6,373	B2 U0 G2	8,549	B3 U0 G3	N/A	
06	10,296	B3 U0 G3	12,425	B3 U0 G3	9,451	B3 U0 G3	12,678	B3 U0 G3	N/A	

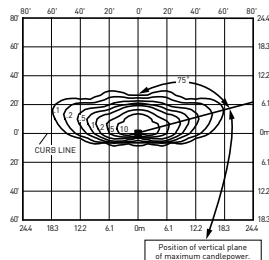
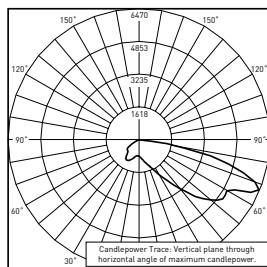
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://www.creelighting.com/products/outdoor/wall-mount/the-edge-series-5/>

2MB



RESTL Test Report #: PL10023-003B
ARE-EDG-2MB-**-06-E-UL-525-40K
Initial Delivered Lumens: 7,784

SEC-EDG-2MB-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 9,359
Initial FC at grade

Type II Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens¹	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens¹	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens¹	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens¹	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens¹	BUG Ratings** Per TM- 15-20
350mA										
02	1,560	B0 U0 G1	1,884	B0 U0 G1	1,432	B0 U0 G1	1,921	B0 U0 G1	615	B0 U0 G0
04	3,121	B0 U0 G1	3,768	B1 U0 G1	2,865	B0 U0 G1	3,843	B1 U0 G1	1,230	B0 U0 G1
06	4,628	B1 U0 G1	5,588	B1 U0 G1	4,248	B1 U0 G1	5,698	B1 U0 G1	1,824	B0 U0 G1
08	6,170	B1 U0 G1	7,450	B1 U0 G2	5,664	B1 U0 G1	7,598	B1 U0 G2	2,431	B0 U0 G1
10	7,695	B1 U0 G2	9,291	B1 U0 G2	7,063	B1 U0 G2	9,475	B1 U0 G2	3,032	B0 U0 G1
12	9,233	B1 U0 G2	11,149	B1 U0 G2	8,476	B1 U0 G2	11,370	B1 U0 G2	3,638	B1 U0 G1
525mA										
02	2,217	B0 U0 G1	2,674	B0 U0 G1	2,035	B0 U0 G1	2,730	B0 U0 G1	N/A	
04	4,434	B1 U0 G1	5,348	B1 U0 G1	4,070	B1 U0 G1	5,460	B1 U0 G1	N/A	
06	6,575	B1 U0 G2	7,930	B1 U0 G2	6,035	B1 U0 G1	8,096	B1 U0 G2	N/A	
08	8,766	B1 U0 G2	10,573	B1 U0 G2	8,047	B1 U0 G2	10,794	B1 U0 G2	N/A	
700mA										
02	2,615	B0 U0 G1	3,156	B0 U0 G1	2,400	B0 U0 G1	3,220	B0 U0 G1	N/A	
04	5,230	B1 U0 G1	6,311	B1 U0 G2	4,801	B1 U0 G1	6,440	B1 U0 G2	N/A	
06	7,755	B1 U0 G2	9,359	B1 U0 G2	7,119	B1 U0 G2	9,549	B1 U0 G2	N/A	

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

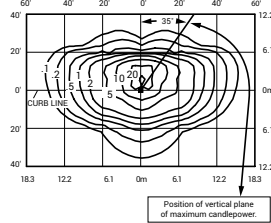
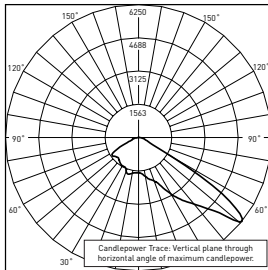
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Security Wall Pack Luminaire

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://www.creelighting.com/products/outdoor/wall-mount/the-edge-series-5/>

25



RESTL Test Report #: PL12399-003A
ARE-EDG-2S-**-06-E-UL-525-40K
Initial Delivered Lumens: 10,843

SEC-EDG-2S-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 13,232
Initial FC at grade

Type II Short Distribution										
LED Count [x10]	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	2,206	B1 U0 G1	2,664	B1 U0 G1	2,025	B1 U0 G1	2,716	B1 U0 G1	869	B0 U0 G0
04	4,412	B1 U0 G1	5,327	B2 U0 G2	4,050	B1 U0 G1	5,433	B2 U0 G2	1,739	B1 U0 G1
06	6,543	B2 U0 G2	7,900	B2 U0 G2	6,006	B2 U0 G2	8,056	B2 U0 G2	2,578	B1 U0 G1
08	8,724	B2 U0 G2	10,533	B3 U0 G3	8,008	B2 U0 G2	10,742	B3 U0 G3	3,437	B1 U0 G1
10	10,879	B3 U0 G3	13,135	B3 U0 G3	9,986	B3 U0 G3	13,395	B3 U0 G3	4,286	B1 U0 G1
12	13,054	B3 U0 G3	15,762	B3 U0 G3	11,983	B3 U0 G3	16,074	B3 U0 G3	5,144	B2 U0 G2
525mA										
02	3,134	B1 U0 G1	3,780	B1 U0 G1	2,877	B1 U0 G1	3,859	B1 U0 G1	N/A	
04	6,269	B2 U0 G2	7,560	B2 U0 G2	5,754	B2 U0 G2	7,719	B2 U0 G2	N/A	
06	9,295	B3 U0 G3	11,211	B3 U0 G3	8,532	B2 U0 G2	11,446	B3 U0 G3	N/A	
08	12,394	B3 U0 G3	14,948	B3 U0 G3	11,377	B3 U0 G3	15,261	B3 U0 G3	N/A	
700mA										
02	3,697	B1 U0 G1	4,461	B1 U0 G1	3,393	B1 U0 G1	4,552	B2 U0 G2	N/A	
04	7,394	B2 U0 G2	8,923	B2 U0 G2	6,787	B2 U0 G2	9,104	B3 U0 G3	N/A	
06	10,964	B3 U0 G3	13,232	B3 U0 G3	10,064	B3 U0 G3	13,501	B3 U0 G3	N/A	

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

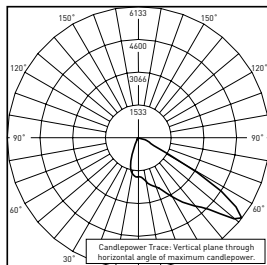
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Security Wall Pack Luminaire

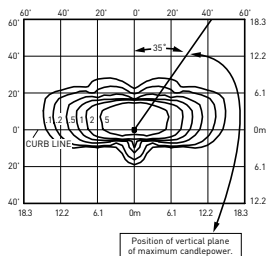
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://www.creelighting.com/products/outdoor/wall-mount/the-edge-series-5/>

2SB



RESTL Test Report #: 12399-005A
ARE-EDG-2SB-**-06-E-UL-525-40K
Initial Delivered Lumens: 8,073



SEC-EDG-2SB-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 10,166
Initial FC at grade

Type II Short Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	1,695	B0 U0 G0	2,046	B0 U0 G1	1,556	B0 U0 G0	2,087	B1 U0 G1	668	B0 U0 G0
04	3,390	B1 U0 G1	4,093	B1 U0 G1	3,112	B1 U0 G1	4,174	B1 U0 G1	1,336	B0 U0 G0
06	5,027	B1 U0 G1	6,069	B1 U0 G1	4,614	B1 U0 G1	6,190	B1 U0 G1	1,981	B0 U0 G1
08	6,702	B1 U0 G1	8,093	B1 U0 G1	6,152	B1 U0 G1	8,253	B1 U0 G1	2,641	B1 U0 G1
10	8,358	B1 U0 G1	10,091	B2 U0 G2	7,672	B1 U0 G1	10,291	B2 U0 G2	3,293	B1 U0 G1
12	10,029	B2 U0 G2	12,110	B2 U0 G2	9,206	B1 U0 G2	12,350	B2 U0 G2	3,952	B1 U0 G1
525mA										
02	2,408	B1 U0 G1	2,904	B1 U0 G1	2,210	B1 U0 G1	2,965	B1 U0 G1	N/A	
04	4,816	B1 U0 G1	5,809	B1 U0 G1	4,421	B1 U0 G1	5,930	B1 U0 G1	N/A	
06	7,142	B1 U0 G1	8,613	B1 U0 G1	6,555	B1 U0 G1	8,794	B1 U0 G1	N/A	
08	9,522	B2 U0 G2	11,484	B2 U0 G2	8,740	B1 U0 G1	11,725	B2 U0 G2	N/A	
700mA										
02	2,840	B1 U0 G1	3,428	B1 U0 G1	2,607	B1 U0 G1	3,497	B1 U0 G1	N/A	
04	5,681	B1 U0 G1	6,855	B1 U0 G1	5,214	B1 U0 G1	6,995	B1 U0 G1	N/A	
06	8,424	B1 U0 G1	10,166	B2 U0 G2	7,732	B1 U0 G1	10,373	B2 U0 G2	N/A	

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

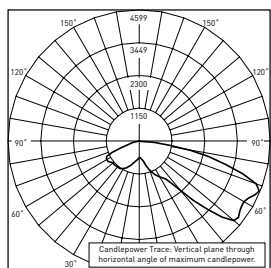
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Security Wall Pack Luminaire

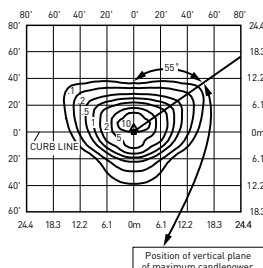
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://www.creelighting.com/products/outdoor/wall-mount/the-edge-series-5/>

3M



RESTL Test Report #: PL09405-001A
ARE-EDG-3M-**-06-E-UL-525-40K
Initial Delivered Lumens: 9,460



SEC-EDG-3M-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 11,779
Initial FC at grade

Type III Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM- 15-20	Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM- 15-20	Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM- 15-20	Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM- 15-20	Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM- 15-20
350mA										
02	1,964	B1 U0 G1	2,371	B1 U0 G1	1,803	B1 U0 G1	2,418	B1 U0 G1	774	B0 U0 G1
04	3,928	B1 U0 G1	4,743	B1 U0 G1	3,606	B1 U0 G1	4,837	B1 U0 G1	1,548	B1 U0 G1
06	5,825	B2 U0 G2	7,033	B2 U0 G2	5,347	B2 U0 G2	7,172	B2 U0 G2	2,295	B1 U0 G1
08	7,766	B2 U0 G2	9,377	B2 U0 G2	7,129	B2 U0 G2	9,563	B2 U0 G2	3,060	B1 U0 G1
10	9,685	B2 U0 G2	11,693	B3 U0 G3	8,890	B2 U0 G2	11,925	B3 U0 G3	3,816	B1 U0 G1
12	11,621	B3 U0 G3	14,032	B3 U0 G3	10,667	B3 U0 G3	14,310	B3 U0 G3	4,579	B1 U0 G1
525mA										
02	2,790	B1 U0 G1	3,365	B1 U0 G1	2,561	B1 U0 G1	3,436	B1 U0 G1	N/A	
04	5,581	B2 U0 G2	6,731	B2 U0 G2	5,122	B2 U0 G2	6,872	B2 U0 G2	N/A	
06	8,275	B2 U0 G2	9,981	B3 U0 G3	7,596	B2 U0 G2	10,190	B3 U0 G3	N/A	
08	11,034	B3 U0 G3	13,307	B3 U0 G3	10,128	B3 U0 G3	13,586	B3 U0 G3	N/A	
700mA										
02	3,291	B1 U0 G1	3,972	B1 U0 G1	3,021	B1 U0 G1	4,053	B1 U0 G1	N/A	
04	6,582	B2 U0 G2	7,944	B2 U0 G2	6,042	B2 U0 G2	8,105	B2 U0 G2	N/A	
06	9,761	B2 U0 G2	11,779	B3 U0 G3	8,960	B2 U0 G2	12,019	B3 U0 G3	N/A	

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

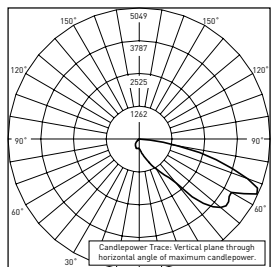
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Security Wall Pack Luminaire

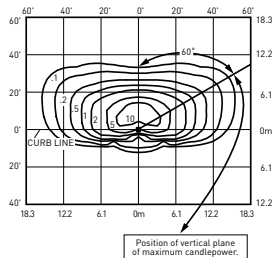
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://www.creelighting.com/products/outdoor/wall-mount/the-edge-series-5/>

3MB



RESTL Test Report #: PL10023-001B
ARE-EDG-3MB-**-06-E-UL-525-40K
Initial Delivered Lumens: 7,602



SEC-EDG-3MB-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 8,714
Initial FC at grade

Type III Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	1,453	B0 U0 G1	1,754	B0 U0 G1	1,334	B0 U0 G1	1,789	B0 U0 G1	572	B0 U0 G0
04	2,906	B0 U0 G1	3,508	B1 U0 G1	2,667	B0 U0 G1	3,578	B1 U0 G1	1,145	B0 U0 G1
06	4,309	B1 U0 G1	5,202	B1 U0 G1	3,955	B1 U0 G1	5,305	B1 U0 G1	1,698	B0 U0 G1
08	5,745	B1 U0 G2	6,936	B1 U0 G2	5,273	B1 U0 G1	7,074	B1 U0 G2	2,264	B0 U0 G1
10	7,164	B1 U0 G2	8,650	B1 U0 G2	6,576	B1 U0 G2	8,821	B1 U0 G2	2,823	B0 U0 G1
12	8,597	B1 U0 G2	10,380	B1 U0 G2	7,891	B1 U0 G2	10,585	B1 U0 G2	3,387	B1 U0 G1
525mA										
02	2,064	B0 U0 G1	2,489	B0 U0 G1	1,895	B0 U0 G1	2,542	B0 U0 G1	N/A	
04	4,128	B1 U0 G1	4,979	B1 U0 G1	3,789	B1 U0 G1	5,083	B1 U0 G1	N/A	
06	6,121	B1 U0 G2	7,383	B1 U0 G2	5,619	B1 U0 G2	7,538	B1 U0 G2	N/A	
08	8,162	B1 U0 G2	9,844	B1 U0 G2	7,492	B1 U0 G2	10,050	B1 U0 G2	N/A	
700mA										
02	2,435	B0 U0 G1	2,938	B1 U0 G1	2,235	B0 U0 G1	2,998	B1 U0 G1	N/A	
04	4,869	B1 U0 G1	5,876	B1 U0 G2	4,469	B1 U0 G1	5,996	B1 U0 G2	N/A	
06	7,220	B1 U0 G2	8,714	B1 U0 G2	6,628	B1 U0 G2	8,891	B1 U0 G2	N/A	

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

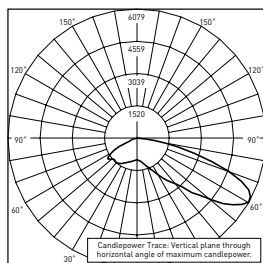
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Security Wall Pack Luminaire

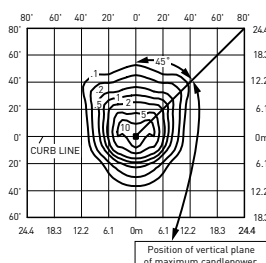
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://www.creelighting.com/products/outdoor/wall-mount/the-edge-series-5/>

4M



RESTL Test Report #: PL10270-001B
ARE-EDG-4M--06-E-UL-525-40K
Initial Delivered Lumens: 10,483



SEC-EDG-4M--06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 12,425
Initial FC at grade

Type IV Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	2,072	B1 U0 G1	2,501	B1 U0 G1	1,902	B1 U0 G1	2,551	B1 U0 G1	816	B0 U0 G1
04	4,143	B1 U0 G1	5,003	B2 U0 G1	3,803	B1 U0 G1	5,102	B2 U0 G1	1,633	B1 U0 G1
06	6,144	B2 U0 G1	7,418	B2 U0 G2	5,640	B2 U0 G1	7,565	B2 U0 G2	2,421	B1 U0 G1
08	8,192	B2 U0 G2	9,891	B2 U0 G2	7,519	B2 U0 G2	10,087	B2 U0 G2	3,228	B1 U0 G1
10	10,215	B2 U0 G2	12,334	B3 U0 G2	9,377	B2 U0 G2	12,578	B3 U0 G2	4,025	B1 U0 G1
12	12,258	B2 U0 G2	14,801	B3 U0 G3	11,252	B2 U0 G2	15,094	B3 U0 G3	4,830	B1 U0 G1
525mA										
02	2,943	B1 U0 G1	3,550	B1 U0 G1	2,702	B1 U0 G1	3,624	B1 U0 G1	N/A	
04	5,886	B2 U0 G1	7,099	B2 U0 G2	5,403	B2 U0 G1	7,248	B2 U0 G2	N/A	
06	8,729	B2 U0 G2	10,527	B2 U0 G2	8,012	B2 U0 G2	10,748	B2 U0 G2	N/A	
08	11,638	B2 U0 G2	14,037	B3 U0 G2	10,683	B2 U0 G2	14,331	B3 U0 G2	N/A	
700mA										
02	3,472	B1 U0 G1	4,189	B1 U0 G1	3,187	B1 U0 G1	4,275	B1 U0 G1	N/A	
04	6,943	B2 U0 G1	8,379	B2 U0 G2	6,373	B2 U0 G1	8,549	B2 U0 G2	N/A	
06	10,296	B2 U0 G2	12,425	B3 U0 G2	9,451	B2 U0 G2	12,678	B3 U0 G2	N/A	

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

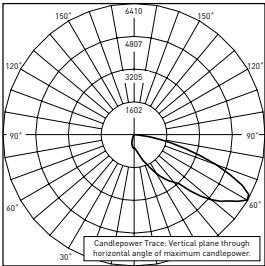
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Security Wall Pack Luminaire

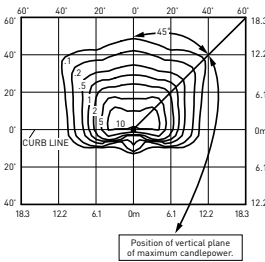
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://www.creelighting.com/products/outdoor/wall-mount/the-edge-series-5/>

4MB



RESTL Test Report #: PL10023-002B
ARE-EDG-4MB-**-06-E-UL-525-40K
Initial Delivered Lumens: 7,985



SEC-EDG-4MB-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 9,359
Initial FC at grade

Type IV Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	1,560	B0 U0 G1	1,884	B0 U0 G1	1,432	B0 U0 G1	1,921	B0 U0 G1	615	B0 U0 G0
04	3,121	B1 U0 G1	3,768	B1 U0 G1	2,865	B0 U0 G1	3,843	B1 U0 G1	1,230	B0 U0 G1
06	4,628	B1 U0 G1	5,588	B1 U0 G1	4,248	B1 U0 G1	5,698	B1 U0 G2	1,824	B0 U0 G1
08	6,170	B1 U0 G2	7,450	B1 U0 G2	5,664	B1 U0 G2	7,598	B1 U0 G2	2,431	B0 U0 G1
10	7,695	B1 U0 G2	9,291	B1 U0 G2	7,063	B1 U0 G2	9,475	B1 U0 G2	3,032	B1 U0 G1
12	9,233	B1 U0 G2	11,149	B1 U0 G2	8,476	B1 U0 G2	11,370	B1 U0 G2	3,638	B1 U0 G1
525mA										
02	2,217	B1 U0 G1	2,674	B1 U0 G1	2,035	B1 U0 G1	2,730	B1 U0 G1	N/A	
04	4,434	B1 U0 G1	5,348	B1 U0 G1	4,070	B1 U0 G1	5,460	B1 U0 G1	N/A	
06	6,575	B1 U0 G2	7,930	B1 U0 G2	6,035	B1 U0 G2	8,096	B1 U0 G2	N/A	
08	8,766	B1 U0 G2	10,573	B1 U0 G2	8,047	B1 U0 G2	10,794	B1 U0 G2	N/A	
700mA										
02	2,615	B1 U0 G1	3,156	B1 U0 G1	2,400	B1 U0 G1	3,220	B1 U0 G1	N/A	
04	5,230	B1 U0 G1	6,311	B1 U0 G2	4,801	B1 U0 G1	6,440	B1 U0 G2	N/A	
06	7,755	B1 U0 G2	9,359	B1 U0 G2	7,119	B1 U0 G2	9,549	B1 U0 G2	N/A	

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

Replacement Kits

Mounting Box
XA-SECMTB0XKIT

Light Bars & Driver Replacement Kits
- To ensure compatibility, please consult factory.



LED Programmable Multi-Level Options (PML/PML2/NS/NS2/SWS)

For use with THE EDGE® Series, 304 Series™, 228 Series™, VuePoint® Series, IG-B Wireless Series, and OSQ-C Series Luminaires

Performance Summary

Limited Warranty^{*}: 5 years on sensor

^{*} See <https://www.creelighting.com/resources/warranties/> for warranty terms

Setting	Factory Settings			Adjustment Range
	THE EDGE® Series, 304 Series™, 228 Series™ and VuePoint® Series Luminaires	IG-B Wireless (SWS)	OSQ-C Series Area/Flood Luminaires (NS/NS2)	
High mode	10V	Field adjustment not recommended	Field adjustment through hand-held remote only applies to the time delay or sensitivity settings. Additional settings handled through TL7-HVG node.	0-10V
Low mode	1V			Off to 9.8V
Time delay	5 min.			30 sec., 1 to 30 min.
Cut off	1 hr.			None, 1 to 59 min., 1 to 5 hr.
Setpoint	Disabled			1 to 250 fc (11 to 2691 lux), disabled, auto
Sensitivity	Max			Low, med, max, on-fix, off-fix
Ramp up Time	None			None, 1 to 60 sec.
Fade Down Time	None			None, 1 to 60 sec.
Photocell	Disabled			Disabled, 1 to 250 fc (11 to 2691 lux)

Accessories

Hand-Held Remote

XA-SENSREM

- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required
- Required only for changing sensitivity or time delay with the NS or NS2 options with OSQ-C Series Luminaires

Product Description

Cree Lighting's programmable multi-level (PML/PML2) options allow for the programming of multiple operating drive currents/input powers for high and low modes remotely through the use of a programmable handheld remote (XA-SENSREM). The drive currents/input powers are conveniently selected to balance LED life, lumen output and energy savings. Multi-level function is designed with all LEDs operating at the same current for maximum and uniform LED life.

The occupancy sensor used in the Cree Lighting programmable multi-level option uses passive infrared technology that reacts to changes in infrared energy (moving heat) within the coverage area. During operation if motion is detected within the sensor's coverage area, the relay in the sensor closes and the lighting load is automatically turned on to the selected High Mode setting. When motion is no longer detected for the duration of the Time Delay setting, the relay opens, and the lighting load automatically reverts to the selected Low Mode setting and will eventually turn off if programmed to do so. The occupancy sensor includes field-adjustable settings for ambient light (Setpoint and Photocell), motion detection (Time Delay and Cut Off Delay), Sensitivity, Ramp Up Time, Fade Down Time, High and Low Mode – all of which can be changed in the field with the programmable handheld remote.

The **High Mode** feature is fully adjustable from 0 to 10V and is **factory set at 10V**, the maximum drive current for the selected luminaire.

The **Low Mode** feature can be adjusted from an off position to 9.8V. This feature is **factory set at 1V**.

The **Time Delay** feature can be adjusted from 30 seconds, or 1 to 30 minutes and is **factory set at 5 minutes**. The luminaire will switch to the Low Mode setting if no motion is detected by the sensor for the specified time interval.

The **Cut Off Delay** feature can be set to disabled (fixture never turns off, unless Low Mode is set to off) or set to a period from 1 minute up to 5 hours. The **factory setting is 1 hour**. This feature allows the luminaire to switch from Low Mode to off after no motion is detected by the sensor for the specified duration of time.

The **Sensitivity** feature can be set to low, medium or maximum and is **factory set for maximum sensitivity** to motion within the coverage area of the sensor. In addition, there are the "on-fix" and "off-fix" modes, which will force the luminaire to stay on at the High Mode setting or off, respectively. When in either of these modes, motion detection and ambient light sensing functionality are disabled. These two modes are typically only used for troubleshooting.

The **Setpoint** feature is **factory set at disabled**. The Setpoint feature can be adjusted from 1 to 250 fc (11 to 2691 lux). When a numerical value is entered, the sensor will not transition to High Mode from motion if the light level is greater than the Set Point. Otherwise, if the light level is less than the Setpoint, motion will switch the luminaire to High Mode. If Low Mode is set to off or if the Cut Off Delay feature is enabled, then the luminaire will turn off and stay off until the light level falls below the Setpoint. There is also an auto option which is designed to automatically calibrate an appropriate Setpoint value based on the contribution of the luminaire's own light by a process in which the controlled load is turned on for two minutes to warm up the lamp and is then switched off and on eight times. Settings will vary based on application.

The **Ramp Up and Fade Down Time** features are **factory set at none** which means that the lights will switch from Low Mode to High Mode or from High Mode to Low Mode instantly. This feature may be adjusted from 1 to 60 seconds.

The **Photocell** (Off with Occupancy) feature is **factory set at disabled**. This feature may be adjusted from 1 to 250 fc (11 to 2691 lux). When this feature is enabled, if the light level is greater than the programmed value, the luminaire will remain off regardless of motion. When this setting is used in combination with the Setpoint feature, there must be at least 10fc (108 lux) of dead band between the two settings to help avoid load cycling. If the luminaire is off, it will turn on in High Mode when the light level decreases below the Setpoint value. If the luminaire is on and the light level is lower than the Photocell value but higher than the Setpoint value, then the luminaire will switch to Low Mode and the sensor will not transition to High Mode from motion.

NOTE: Default settings should always be saved to a profile on the programming tool before changes are made to the settings in the field. This will allow default factory settings to be recalled if desired. Instructions for saving and recalling profiles can be found in the PML installation instructions.

NOTE: PML settings do not need to be reprogrammed after a power outage.

Website: [creelighting.com](https://www.creelighting.com)

US: (800) 236-6800 Canada: (800) 473-1234

CREE  **LIGHTING®**

Figure 1 – VuePoint® Series High Bay, THE EDGE® Area/Flood, and OSQ-C Series Area/Flood Luminaires

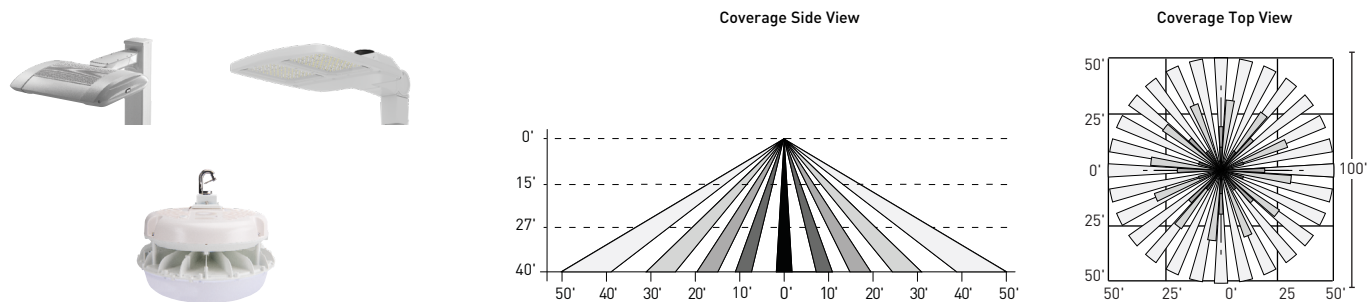


Figure 2 – THE EDGE® Area/Flood, THE EDGE® Canopy, 304 Series™ Canopy, 228 Series™ Canopy, and OSQ-C Series Area/Flood Luminaires

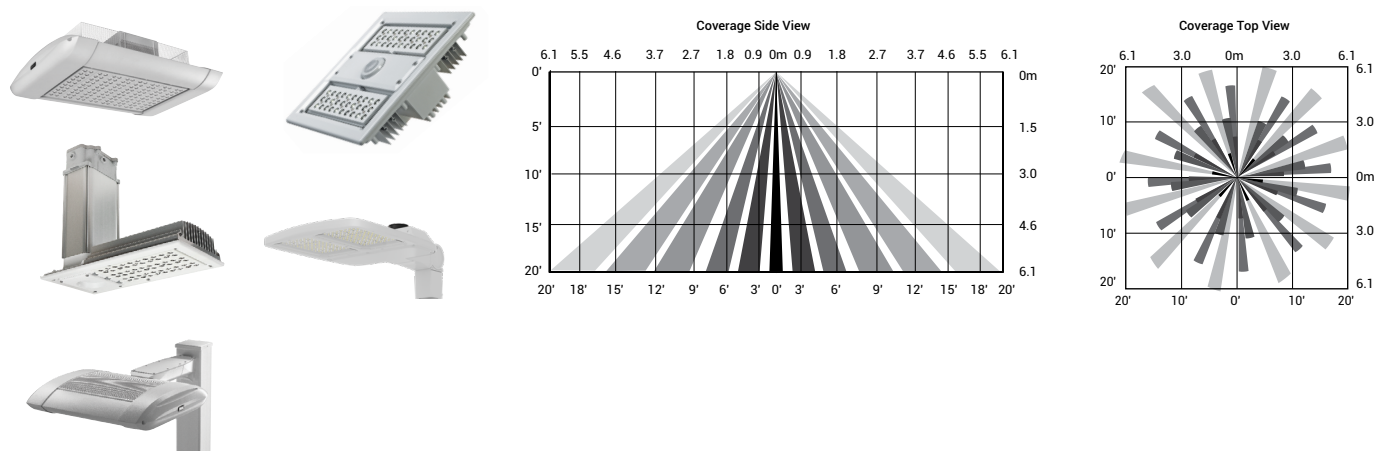
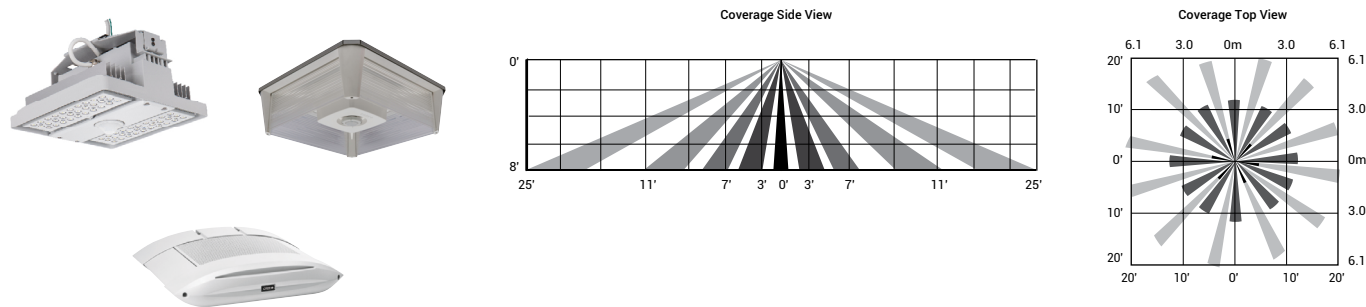


Figure 3 – THE EDGE® Security, 304 Series™ Parking Structure and IG-B Wireless Series Parking Structure Luminaires



Sensor Details			
Figure	Luminaire	PML Option	Coverage Area
1	VuePoint Series High Bay, THE EDGE Area/Flood, and OSQ-C Series Area/Flood Luminaires	PML	Lens coverage: 40' (12.2m) optimal mounting height and 100' (30.5m) diameter coverage with a 360° circular pattern. The maximum mounting height is 40' (12.2m). Lens mounting height to coverage radius is 1:0.80. Note: When mounting height are above 30' (9.1m), the sensor only detects large objects such as fork lift trucks or cars.
2	THE EDGE Canopy, 304 Series Recessed Canopy and 228 Series Recessed Canopy Luminaires	PML	Lens coverage: 20' (6.1m) optimal mounting height and 40' (12.2m) diameter coverage area with a 360° circular pattern. The minimum and maximum mounting heights are 10' (3.0m) and 30' (9.1m) respectively. Lens mounting height to coverage radius ratio is 1:1.
	THE EDGE Area/Flood and OSQ -C Series Area/Flood Luminaires	PML2	
3	THE EDGE Security, 304 Series Parking Structure, and IG-B Wireless Series Parking Structure Luminaires	PML	Lens coverage: 10' (3.0m) optimal mounting height and 50' (15.2m) diameter coverage area with a 360° circular pattern. The maximum mounting height is 15' (4.6m). Lens mounting height to coverage radius is 1:2.5.

Product Availability										
Drive Current	Voltage	THE EDGE® Series Luminaires			304 Series™					228 Series™
		Area	Canopy	Security	Parking Structure	Recessed Canopy	Upgrade Kits	Flood	Soffit (Non-IC only)	Recessed Canopy
350mA	120-277V	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	347-480V	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
525mA	120-277V	80-160 LED ^{F, P, R}	80-160 LED ^{F, P, R}	80 LED ^F	N/A	N/A	40-60 LED	N/A	60 LED ^F	N/A
	347-480V	80-120 LED	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
700mA	120-277V	20-60 LED ^{F, P, R}	40-60 LED ^{F, P, R}	20-60 LED ^F	40-60 LED ^F	40-60 LED ^F	N/A	40-60 LED ^F	40 LED ^F	90 LED
	347-480V	20-60 LED	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

F - PML option available with Fusing options

P - PML option available with Photocell option

R - PML option available with NEMA® Photocell Receptacle option

Product Availability			
Voltage	IG-B Wireless Series (SWS)	VuePoint® Series	OSQ-C Series (NS/NS2)
	Parking Structure	High Bay	Area/Flood
UL	All Lumen Packages ¹	All Lumen Packages ^E	OSQM (NS2), OSQL (NS/NS2), OSQX (NS), All Lumen Packages ^R
UH	N/A	N/A	OSQM (NS2), OSQL (NS/NS2), OSQX (NS), All Lumen Packages ^R

E - PML option available with EB option
1 - May not be used with other options
R - Requires either N or R option and TL7-HVG Synapse Control Accessory

PML High & Low Mode Multipliers – 525mA Drive Current

For use with THE EDGE Area/Flood and Security and 304 Series High Bay and Soffit Luminaires

0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.3	75	0.15	0.15
2.1	125	0.26	0.27
2.5	150	0.31	0.31
2.8	175	0.36	0.37
3.6	225	0.45	0.45
4.4	275	0.55	0.53
5.1	325	0.64	0.62
5.5	350	0.67	0.70
6.7	425	0.83	0.80
7.5	475	0.92	0.89
≥ 8.7	525	1.00	1.00

PML High & Low Mode Multipliers – 700mA Drive Current

For use with THE Edge Area/Flood, Canopy, Parking and Security Luminaires; 304 Series Canopy, Flood, High Bay, Parking, and Soffit Luminaires; 228 Series Recessed Canopy Luminaires

0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.2	75	0.11	0.12
1.7	125	0.19	0.21
2.0	150	0.23	0.25
2.3	175	0.26	0.29
2.8	225	0.32	0.35
3.4	275	0.40	0.42
4.0	325	0.47	0.49
4.2	350	0.50	0.56
5.1	425	0.62	0.63
5.6	475	0.68	0.70
6.2	525	0.76	0.79
6.5	550	0.80	0.80
6.8	575	0.83	0.84
7.3	625	0.90	0.91
≥ 8.4	700	1.00	1.00

PML High & Low Mode Multipliers – VuePoint® Series

For use with VuePoint Series Luminaires with All Lumen Packages and UL Voltage

VuePoint Series Luminaire		
0-10V	120-277V	
	System Watts Multiplier	Lumen Multiplier
<= 1.0	0.17	0.16
2.0	0.27	0.26
3.0	0.36	0.36
4.0	0.46	0.47
5.0	0.56	0.57
6.0	0.67	0.68
7.0	0.78	0.78
8.0	0.89	0.89
10.0	1.00	1.00

LED Area/Flood Luminaire

Rev. Date: V14 06/24/2024

THE EDGE® Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm [details on page 2]. Includes a leaf/debris guard.

Performance Summary

Patented NanoOptic® Product Technology

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: Up to 33,946 lumens

Input Power: 19 - 263 Watts

CRI: Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)

CCT: Turtle Friendly Amber, 3000K (+/- 300K), 4000K (+/- 300K), 5000K (+/- 500K), 5700K (+/- 500K) standard

Limited Warranty*: 10 years for luminaire/10 years for Colorfast DeltaGuard® finish/5 years for PML sensors/1 year on accessories

[†] See <https://www.creelighting.com/resources/warranties/> for warranty terms

Field-Installed	
Bird Spikes XA-BRDSPK Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required	Backlight Control Shields XA-20BLS-4 - Four-pack - Unpainted stainless steel Shorting Cap XA-XLSLHRT NEMA® 3-Pin Photocell C-ACC-A-PCELL-NEMA3-LV - On/off functionality only - Available with UL voltage only

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

					E						
Family	Optic			Mounting*	LED Count (x10)	Series	Voltage	Finish	Drive Current	Options	
ARE-EDG	2M Type II Medium	3MB Type III Medium w/BLS	4MP Type IV Medium w/Partial BLS	AA Adjustable Arm	02 04 06 08 10 12 14 16	E	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	350 350mA 525 525mA 700 700mA - Available with 20- 60 LEDs	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Not available with PML options	PML2 Programmable Multi-Level, 10-30° Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt
	2MB Type II Medium w/BLS	3MP Type III Medium w/Partial BLS	5M Type V Medium	DA Direct Arm DL Direct Long Arm	F Fuse - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse					R NEMA® 3-Pin Photocell Receptacle - 3-pin receptacle per ANSI C136.10 - Not available with SA mount - Intended for downlight applications with maximum 45° tilt - Requires photocell or shorting cap by others - Refer to PML spec sheet for availability with PML options	
FLD-EDG	25 25° Flood	70 70° Flood	N6 NEMA® 6	AA Adjustable Arm						HL Hi/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included	30K 3000K Color Temperature - Minimum 80 CRI - Color temperature per luminaire
	40 40° Flood	SN Sign		SA Side Arm - Available with 20-60 LEDs						P Button Photocell - Refer to PML spec sheet for availability with PML options - Available with UL voltage only PML Programmable Multi-Level, 20-40° Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt	40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire 50K 5000K Color Temperature - Minimum 90 CRI - Color temperature per luminaire TRL Amber Turtle Friendly LEDs - Available only with 350mA - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance

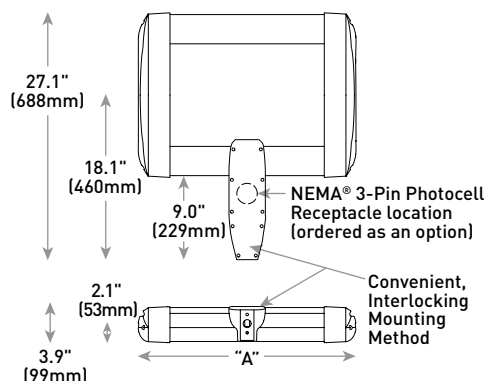
* Reference EPA and pole configuration suitability data beginning on page 19



Website: creelighting.com

US: (800) 236-6800 **Canada:** (800) 473-1234

DA Mount



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

AA/DL/SA Mount - see page 22 for weight & dimensions

CREE **LIGHTING®**

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup
- Integral 10kV/5kA surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- RoHS compliant. Consult factory for additional details
- Assembled in the USA by Cree Lighting from US and imported parts
- Some configurations meet requirements of BAA and/or BABA. Consult factory when needed for a project: www.creelighting.com/BAA-BABA
-  **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*								
LED Count [x10]	CCT	System Watts 120-480V	Total Current [A]					
			120V	208V	240V	277V	347V	480V
350mA								
02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	0.07
	TRL	19	0.16	0.09	0.08	0.07	0.05	0.04
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0.12
	TRL	35	0.29	0.17	0.15	0.13	0.10	0.07
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	0.15
	TRL	50	0.41	0.24	0.21	0.18	0.14	0.10
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0.20
	TRL	68	0.57	0.33	0.28	0.25	0.20	0.14
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	0.24
	TRL	83	0.69	0.40	0.35	0.30	0.24	0.17
12	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	0.28
	TRL	99	0.82	0.48	0.41	0.36	0.28	0.21
14	30K/40K/50K/57K	158	1.32	0.77	0.68	0.62	0.47	0.35
	TRL	120	1.00	0.58	0.50	0.43	0.34	0.25
16	30K/40K/50K/57K	179	1.49	0.87	0.77	0.68	0.53	0.39
	TRL	136	1.13	0.65	0.57	0.49	0.39	0.28
525mA								
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	0.10
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0.16
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0.22
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0.28
10	30K/40K/50K/57K	171	1.43	0.83	0.74	0.66	0.50	0.38
12	30K/40K/50K/57K	202	1.69	0.98	0.86	0.77	0.59	0.44
14	30K/40K/50K/57K	232	1.94	1.12	0.98	0.87	0.68	0.50
16	30K/40K/50K/57K	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA								
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	0.12
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0.20
06	30K/40K/50K/57K	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

THE EDGE® Series Ambient Adjusted Lumen Maintenance¹						
Ambient	CCT	Initial LMF	25K hr Reported² LMF	50K hr Reported² LMF	75K hr Reported² / Estimated³ LMF	100K hr Reported³ Estimated³ LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03²	1.03
	TRL	1.06	1.06	1.06	1.06³	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.02²	1.02
	TRL	1.04	1.04	1.04	1.04³	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01²	1.01
	TRL	1.03	1.03	1.03	1.03³	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.99	0.99	0.99²	0.99
	TRL	1.01	1.01	1.01	1.01³	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.98²	0.98
	TRL	1.00	1.00	1.00	1.00³	1.00

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

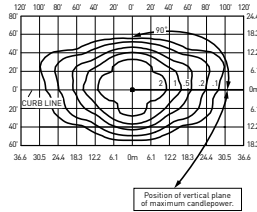
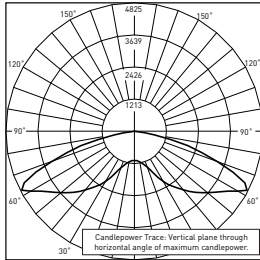
² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

2M



RESTL Test Report #: PL10270-004B
ARE-EDG-2M-**-06-E-UL-525-40K
Initial Delivered Lumens: 10,053

ARE-EDG-2M-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 17,504
Initial FC at grade

Type II Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	2,072	B1 U0 G1	2,501	B1 U0 G1	1,902	B1 U0 G1	2,551	B1 U0 G1	816	B0 U0 G0
04	4,143	B2 U0 G1	5,003	B2 U0 G2	3,803	B1 U0 G1	5,102	B2 U0 G2	1,633	B1 U0 G1
06	6,144	B2 U0 G2	7,418	B2 U0 G2	5,640	B2 U0 G2	7,565	B2 U0 G2	2,421	B1 U0 G1
08	8,192	B2 U0 G2	9,891	B3 U0 G3	7,519	B2 U0 G2	10,087	B3 U0 G3	3,228	B1 U0 G1
10	10,215	B3 U0 G3	12,334	B3 U0 G3	9,377	B3 U0 G3	12,578	B3 U0 G3	4,025	B2 U0 G1
12	12,258	B3 U0 G3	14,801	B3 U0 G3	11,252	B3 U0 G3	15,094	B3 U0 G3	4,830	B2 U0 G2
14	14,211	B3 U0 G3	17,158	B3 U0 G3	13,044	B3 U0 G3	17,498	B3 U0 G3	5,599	B2 U0 G2
16	16,241	B3 U0 G3	19,609	B3 U0 G3	14,908	B3 U0 G3	19,998	B4 U0 G3	6,399	B2 U0 G2
525mA										
02	2,943	B1 U0 G1	3,550	B1 U0 G1	2,702	B1 U0 G1	3,624	B1 U0 G1	N/A	
04	5,886	B2 U0 G2	7,099	B2 U0 G2	5,403	B2 U0 G2	7,248	B2 U0 G2	N/A	
06	8,729	B3 U0 G3	10,527	B3 U0 G3	8,012	B2 U0 G2	10,748	B3 U0 G3	N/A	
08	11,638	B3 U0 G3	14,037	B3 U0 G3	10,683	B3 U0 G3	14,331	B3 U0 G3	N/A	
10	14,513	B3 U0 G3	17,504	B3 U0 G3	13,322	B3 U0 G3	17,870	B3 U0 G3	N/A	
12	17,415	B3 U0 G3	21,004	B4 U0 G4	15,986	B3 U0 G3	21,444	B4 U0 G4	N/A	
14	20,189	B4 U0 G3	24,350	B4 U0 G4	18,532	B3 U0 G3	24,860	B4 U0 G4	N/A	
16	23,074	B4 U0 G4	27,828	B4 U0 G4	21,179	B4 U0 G4	28,411	B4 U0 G4	N/A	
700mA										
02	3,472	B1 U0 G1	4,189	B2 U0 G1	3,187	B1 U0 G1	4,275	B2 U0 G2	N/A	
04	6,943	B2 U0 G2	8,379	B2 U0 G2	6,373	B2 U0 G2	8,549	B3 U0 G3	N/A	
06	10,296	B3 U0 G3	12,425	B3 U0 G3	9,451	B3 U0 G3	12,678	B3 U0 G3	N/A	

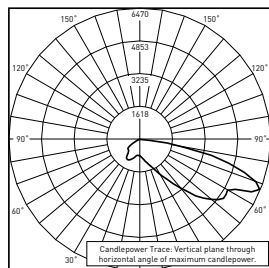
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

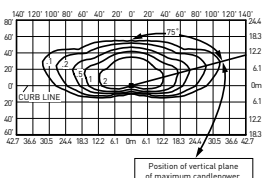
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

2MB



RESTL Test Report #: PL10023-003B
ARE-EDG-2MB--06-E-UL-525-40K**
Initial Delivered Lumens: 7,784



ARE-EDG-2MB--10-E-UL-525-40K**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,185
Initial FC at grade

Type II Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	1,560	B0 U0 G1	1,884	B0 U0 G1	1,432	B0 U0 G1	1,921	B0 U0 G1	615	B0 U0 G0
04	3,121	B0 U0 G1	3,768	B1 U0 G1	2,865	B0 U0 G1	3,843	B1 U0 G1	1,230	B0 U0 G1
06	4,628	B1 U0 G1	5,588	B1 U0 G1	4,248	B1 U0 G1	5,698	B1 U0 G1	1,824	B0 U0 G1
08	6,170	B1 U0 G1	7,450	B1 U0 G2	5,664	B1 U0 G1	7,598	B1 U0 G2	2,431	B0 U0 G1
10	7,695	B1 U0 G2	9,291	B1 U0 G2	7,063	B1 U0 G2	9,475	B1 U0 G2	3,032	B0 U0 G1
12	9,233	B1 U0 G2	11,149	B1 U0 G2	8,476	B1 U0 G2	11,370	B1 U0 G2	3,638	B1 U0 G1
14	10,704	B1 U0 G2	12,924	B1 U0 G2	9,825	B1 U0 G2	13,181	B1 U0 G2	4,218	B1 U0 G1
16	12,233	B1 U0 G2	14,771	B1 U0 G3	11,229	B1 U0 G2	15,063	B1 U0 G3	4,820	B1 U0 G1
525mA										
02	2,217	B0 U0 G1	2,674	B0 U0 G1	2,035	B0 U0 G1	2,730	B0 U0 G1	N/A	
04	4,434	B1 U0 G1	5,348	B1 U0 G1	4,070	B1 U0 G1	5,460	B1 U0 G1	N/A	
06	6,575	B1 U0 G2	7,930	B1 U0 G2	6,035	B1 U0 G1	8,096	B1 U0 G2	N/A	
08	8,766	B1 U0 G2	10,573	B1 U0 G2	8,047	B1 U0 G2	10,794	B1 U0 G2	N/A	
10	10,932	B1 U0 G2	13,185	B1 U0 G2	10,034	B1 U0 G2	13,461	B1 U0 G2	N/A	
12	13,118	B1 U0 G2	15,821	B2 U0 G3	12,041	B1 U0 G2	16,153	B2 U0 G3	N/A	
14	15,208	B1 U0 G3	18,341	B2 U0 G3	13,959	B1 U0 G2	18,726	B2 U0 G3	N/A	
16	17,380	B2 U0 G3	20,962	B2 U0 G3	15,953	B2 U0 G3	21,401	B2 U0 G3	N/A	
700mA										
02	2,615	B0 U0 G1	3,156	B0 U0 G1	2,400	B0 U0 G1	3,220	B0 U0 G1	N/A	
04	5,230	B1 U0 G1	6,311	B1 U0 G2	4,801	B1 U0 G1	6,440	B1 U0 G2	N/A	
06	7,755	B1 U0 G2	9,359	B1 U0 G2	7,119	B1 U0 G2	9,549	B1 U0 G2	N/A	

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

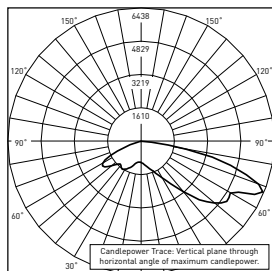
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Area/Flood Luminaire

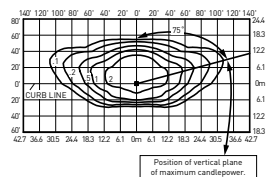
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

2MP



RESTL Test Report #: PL10097-001B
ARE-EDG-2MP-**-06-E-UL-525-40K
Initial Delivered Lumens: 9,149



ARE-EDG-2MP-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 15,458
Initial FC at grade

Type II Medium Distribution w/Partial BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	1,829	B1 U0 G1	2,209	B1 U0 G1	1,679	B1 U0 G1	2,253	B1 U0 G1	721	B0 U0 G0
04	3,659	B1 U0 G1	4,418	B1 U0 G1	3,359	B1 U0 G1	4,505	B1 U0 G1	1,442	B0 U0 G1
06	5,426	B1 U0 G1	6,551	B1 U0 G1	4,980	B1 U0 G1	6,681	B1 U0 G1	2,138	B1 U0 G1
08	7,234	B2 U0 G1	8,735	B2 U0 G2	6,640	B1 U0 G1	8,908	B2 U0 G2	2,851	B1 U0 G1
10	9,021	B2 U0 G2	10,892	B2 U0 G2	8,281	B2 U0 G2	11,108	B2 U0 G2	3,555	B1 U0 G1
12	10,825	B2 U0 G2	13,071	B2 U0 G2	9,937	B2 U0 G2	13,330	B2 U0 G2	4,266	B1 U0 G1
14	12,550	B2 U0 G2	15,153	B2 U0 G2	11,520	B2 U0 G2	15,453	B2 U0 G2	4,945	B1 U0 G1
16	14,343	B2 U0 G2	17,317	B2 U0 G2	13,165	B2 U0 G2	17,661	B3 U0 G2	5,651	B1 U0 G1
525mA										
02	2,599	B1 U0 G1	3,135	B1 U0 G1	2,386	B1 U0 G1	3,200	B1 U0 G1	N/A	
04	5,198	B1 U0 G1	6,270	B1 U0 G1	4,772	B1 U0 G1	6,401	B1 U0 G1	N/A	
06	7,708	B2 U0 G2	9,297	B2 U0 G2	7,076	B2 U0 G1	9,492	B2 U0 G2	N/A	
08	10,278	B2 U0 G2	12,396	B2 U0 G2	9,434	B2 U0 G2	12,656	B2 U0 G2	N/A	
10	12,817	B2 U0 G2	15,458	B2 U0 G2	11,764	B2 U0 G2	15,782	B2 U0 G2	N/A	
12	15,380	B2 U0 G2	18,549	B3 U0 G3	14,117	B2 U0 G2	18,938	B3 U0 G3	N/A	
14	17,830	B3 U0 G2	21,504	B3 U0 G3	16,366	B2 U0 G2	21,954	B3 U0 G3	N/A	
16	20,377	B3 U0 G3	24,576	B3 U0 G3	18,704	B3 U0 G3	25,091	B3 U0 G3	N/A	
700mA										
02	3,066	B1 U0 G1	3,700	B1 U0 G1	2,814	B1 U0 G1	3,775	B1 U0 G1	N/A	
04	6,132	B1 U0 G1	7,400	B2 U0 G1	5,628	B1 U0 G1	7,550	B2 U0 G2	N/A	
06	9,092	B2 U0 G2	10,973	B2 U0 G2	8,346	B2 U0 G2	11,196	B2 U0 G2	N/A	

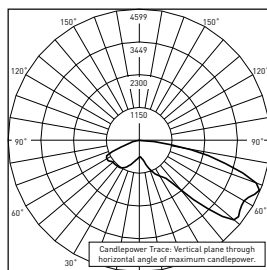
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

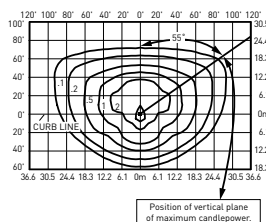
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

3M



RESTL Test Report #: PL09405-001A
ARE-EDG-3M-**-06-E-UL-525-40K
Initial Delivered Lumens: 9,460



ARE-EDG-3M-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 16,594
Initial FC at grade

Type III Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	1,964	B1 U0 G1	2,371	B1 U0 G1	1,803	B1 U0 G1	2,418	B1 U0 G1	774	B0 U0 G1
04	3,928	B1 U0 G1	4,743	B1 U0 G1	3,606	B1 U0 G1	4,837	B1 U0 G1	1,548	B1 U0 G1
06	5,825	B2 U0 G2	7,033	B2 U0 G2	5,347	B2 U0 G2	7,172	B2 U0 G2	2,295	B1 U0 G1
08	7,766	B2 U0 G2	9,377	B2 U0 G2	7,129	B2 U0 G2	9,563	B2 U0 G2	3,060	B1 U0 G1
10	9,685	B2 U0 G2	11,693	B3 U0 G3	8,890	B2 U0 G2	11,925	B3 U0 G3	3,816	B1 U0 G1
12	11,621	B3 U0 G3	14,032	B3 U0 G3	10,667	B3 U0 G3	14,310	B3 U0 G3	4,579	B1 U0 G1
14	13,472	B3 U0 G3	16,267	B3 U0 G3	12,367	B3 U0 G3	16,589	B3 U0 G3	5,309	B2 U0 G2
16	15,397	B3 U0 G3	18,591	B3 U0 G3	14,133	B3 U0 G3	18,959	B3 U0 G3	6,067	B2 U0 G2
525mA										
02	2,790	B1 U0 G1	3,365	B1 U0 G1	2,561	B1 U0 G1	3,436	B1 U0 G1	N/A	
04	5,581	B2 U0 G2	6,731	B2 U0 G2	5,122	B2 U0 G2	6,872	B2 U0 G2	N/A	
06	8,275	B2 U0 G2	9,981	B3 U0 G3	7,596	B2 U0 G2	10,190	B3 U0 G3	N/A	
08	11,034	B3 U0 G3	13,307	B3 U0 G3	10,128	B3 U0 G3	13,586	B3 U0 G3	N/A	
10	13,759	B3 U0 G3	16,594	B3 U0 G3	12,630	B3 U0 G3	16,942	B3 U0 G3	N/A	
12	16,511	B3 U0 G3	19,913	B3 U0 G3	15,155	B3 U0 G3	20,330	B3 U0 G3	N/A	
14	19,141	B3 U0 G3	23,085	B3 U0 G3	17,569	B3 U0 G3	23,569	B3 U0 G3	N/A	
16	21,875	B3 U0 G3	26,383	B4 U0 G4	20,079	B3 U0 G3	26,936	B4 U0 G4	N/A	
700mA										
02	3,291	B1 U0 G1	3,972	B1 U0 G1	3,021	B1 U0 G1	4,053	B1 U0 G1	N/A	
04	6,582	B2 U0 G2	7,944	B2 U0 G2	6,042	B2 U0 G2	8,105	B2 U0 G2	N/A	
06	9,761	B2 U0 G2	11,779	B3 U0 G3	8,960	B2 U0 G2	12,019	B3 U0 G3	N/A	

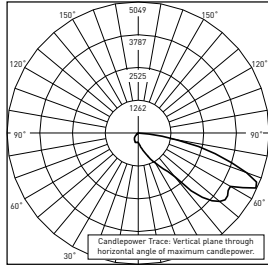
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

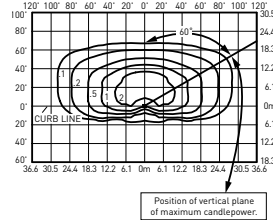
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

3MB



RESTL Test Report #: PL10023-001B
ARE-EDG-3MB-**-06-E-UL-525-40K
Initial Delivered Lumens: 7,602



ARE-EDG-3MB-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 12,275
Initial FC at grade

Type III Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	1,453	B0 U0 G1	1,754	B0 U0 G1	1,334	B0 U0 G1	1,789	B0 U0 G1	572	B0 U0 G0
04	2,906	B0 U0 G1	3,508	B1 U0 G1	2,667	B0 U0 G1	3,578	B1 U0 G1	1,145	B0 U0 G1
06	4,309	B1 U0 G1	5,202	B1 U0 G1	3,955	B1 U0 G1	5,305	B1 U0 G1	1,698	B0 U0 G1
08	5,745	B1 U0 G2	6,936	B1 U0 G2	5,273	B1 U0 G1	7,074	B1 U0 G2	2,264	B0 U0 G1
10	7,164	B1 U0 G2	8,650	B1 U0 G2	6,576	B1 U0 G2	8,821	B1 U0 G2	2,823	B0 U0 G1
12	8,597	B1 U0 G2	10,380	B1 U0 G2	7,891	B1 U0 G2	10,585	B1 U0 G2	3,387	B1 U0 G1
14	9,966	B1 U0 G2	12,033	B1 U0 G2	9,148	B1 U0 G2	12,272	B1 U0 G2	3,927	B1 U0 G1
16	11,390	B1 U0 G2	13,752	B2 U0 G3	10,455	B1 U0 G2	14,025	B2 U0 G3	4,488	B1 U0 G1
525mA										
02	2,064	B0 U0 G1	2,489	B0 U0 G1	1,895	B0 U0 G1	2,542	B0 U0 G1	N/A	
04	4,128	B1 U0 G1	4,979	B1 U0 G1	3,789	B1 U0 G1	5,083	B1 U0 G1	N/A	
06	6,121	B1 U0 G2	7,383	B1 U0 G2	5,619	B1 U0 G2	7,538	B1 U0 G2	N/A	
08	8,162	B1 U0 G2	9,844	B1 U0 G2	7,492	B1 U0 G2	10,050	B1 U0 G2	N/A	
10	10,178	B1 U0 G2	12,275	B1 U0 G2	9,342	B1 U0 G2	12,532	B1 U0 G2	N/A	
12	12,213	B1 U0 G2	14,730	B2 U0 G3	11,211	B1 U0 G2	15,039	B2 U0 G3	N/A	
14	14,159	B2 U0 G3	17,077	B2 U0 G3	12,996	B1 U0 G2	17,434	B2 U0 G3	N/A	
16	16,181	B2 U0 G3	19,516	B2 U0 G3	14,853	B2 U0 G3	19,925	B2 U0 G3	N/A	
700mA										
02	2,435	B0 U0 G1	2,938	B1 U0 G1	2,235	B0 U0 G1	2,998	B1 U0 G1	N/A	
04	4,869	B1 U0 G1	5,876	B1 U0 G2	4,469	B1 U0 G1	5,996	B1 U0 G2	N/A	
06	7,220	B1 U0 G2	8,714	B1 U0 G2	6,628	B1 U0 G2	8,891	B1 U0 G2	N/A	

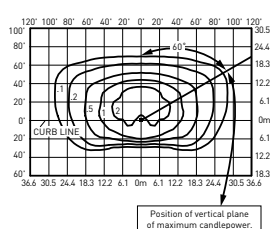
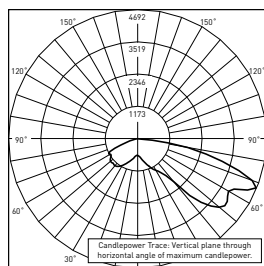
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

3MP



RESTL Test Report #: PL10097-002B
ARE-EDG-3MP--06-E-UL-525-40K**
Initial Delivered Lumens: 8,670

ARE-EDG-3MP--10-E-UL-525-40K**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 14,548
Initial FC at grade

Type III Medium Distribution w/Partial BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens [*]	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens [*]	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens [*]	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens [*]	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens [*]	BUG Ratings** Per TM- 15-20
350mA										
02	1,722	B1 U0 G1	2,079	B1 U0 G1	1,581	B1 U0 G1	2,120	B1 U0 G1	678	B0 U0 G1
04	3,444	B1 U0 G1	4,158	B1 U0 G1	3,161	B1 U0 G1	4,240	B1 U0 G1	1,357	B0 U0 G1
06	5,107	B1 U0 G1	6,166	B1 U0 G2	4,687	B1 U0 G1	6,288	B1 U0 G2	2,012	B1 U0 G1
08	6,809	B1 U0 G2	8,221	B2 U0 G2	6,250	B1 U0 G2	8,384	B2 U0 G2	2,683	B1 U0 G1
10	8,491	B2 U0 G2	10,252	B2 U0 G2	7,794	B2 U0 G2	10,455	B2 U0 G2	3,346	B1 U0 G1
12	10,189	B2 U0 G2	12,302	B2 U0 G3	9,352	B2 U0 G2	12,546	B2 U0 G3	4,015	B1 U0 G1
14	11,812	B2 U0 G2	14,261	B3 U0 G3	10,842	B2 U0 G2	14,544	B3 U0 G3	4,654	B1 U0 G1
16	13,499	B2 U0 G3	16,299	B3 U0 G3	12,391	B2 U0 G3	16,622	B3 U0 G3	5,319	B1 U0 G2
525mA										
02	2,446	B1 U0 G1	2,950	B1 U0 G1	2,245	B1 U0 G1	3,012	B1 U0 G1	N/A	
04	4,893	B1 U0 G1	5,901	B1 U0 G2	4,491	B1 U0 G1	6,024	B1 U0 G2	N/A	
06	7,255	B2 U0 G2	8,750	B2 U0 G2	6,659	B1 U0 G2	8,933	B2 U0 G2	N/A	
08	9,673	B2 U0 G2	11,667	B2 U0 G2	8,879	B2 U0 G2	11,911	B2 U0 G2	N/A	
10	12,063	B2 U0 G3	14,548	B3 U0 G3	11,072	B2 U0 G2	14,853	B3 U0 G3	N/A	
12	14,475	B3 U0 G3	17,458	B3 U0 G3	13,287	B2 U0 G3	17,824	B3 U0 G3	N/A	
14	16,781	B3 U0 G3	20,239	B3 U0 G3	15,403	B3 U0 G3	20,663	B3 U0 G3	N/A	
16	19,178	B3 U0 G3	23,130	B3 U0 G3	17,604	B3 U0 G3	23,615	B3 U0 G3	N/A	
700mA										
02	2,885	B1 U0 G1	3,482	B1 U0 G1	2,649	B1 U0 G1	3,553	B1 U0 G1	N/A	
04	5,771	B1 U0 G2	6,964	B1 U0 G2	5,297	B1 U0 G1	7,106	B2 U0 G2	N/A	
06	8,557	B2 U0 G2	10,327	B2 U0 G2	7,855	B2 U0 G2	10,537	B2 U0 G2	N/A	

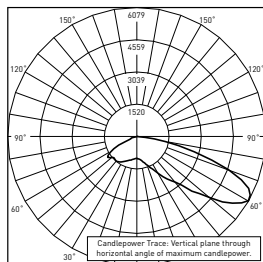
* Initial delivered lumens at 25°C [77°F]. Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

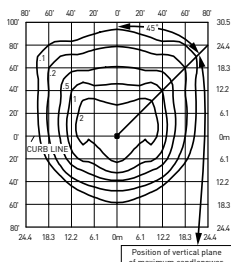
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

4M



RESTL Test Report #: PL10270-001B
ARE-EDG-4M-**-06-E-UL-525-40K
Initial Delivered Lumens: 10,483



ARE-EDG-4M-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 17,504
Initial FC at grade

Type IV Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	2,072	B1 U0 G1	2,501	B1 U0 G1	1,902	B1 U0 G1	2,551	B1 U0 G1	816	B0 U0 G1
04	4,143	B1 U0 G1	5,003	B2 U0 G1	3,803	B1 U0 G1	5,102	B2 U0 G1	1,633	B1 U0 G1
06	6,144	B2 U0 G1	7,418	B2 U0 G2	5,640	B2 U0 G1	7,565	B2 U0 G2	2,421	B1 U0 G1
08	8,192	B2 U0 G2	9,891	B2 U0 G2	7,519	B2 U0 G2	10,087	B2 U0 G2	3,228	B1 U0 G1
10	10,215	B2 U0 G2	12,334	B3 U0 G2	9,377	B2 U0 G2	12,578	B3 U0 G2	4,025	B1 U0 G1
12	12,258	B2 U0 G2	14,801	B3 U0 G3	11,252	B2 U0 G2	15,094	B3 U0 G3	4,830	B1 U0 G1
14	14,211	B3 U0 G3	17,158	B3 U0 G3	13,044	B3 U0 G2	17,498	B3 U0 G3	5,599	B2 U0 G1
16	16,241	B3 U0 G3	19,609	B3 U0 G3	14,908	B3 U0 G3	19,998	B3 U0 G3	6,399	B2 U0 G1
525mA										
02	2,943	B1 U0 G1	3,550	B1 U0 G1	2,702	B1 U0 G1	3,624	B1 U0 G1	N/A	
04	5,886	B2 U0 G1	7,099	B2 U0 G2	5,403	B2 U0 G1	7,248	B2 U0 G2	N/A	
06	8,729	B2 U0 G2	10,527	B2 U0 G2	8,012	B2 U0 G2	10,748	B2 U0 G2	N/A	
08	11,638	B2 U0 G2	14,037	B3 U0 G2	10,683	B2 U0 G2	14,331	B3 U0 G2	N/A	
10	14,513	B3 U0 G3	17,504	B3 U0 G3	13,322	B3 U0 G2	17,870	B3 U0 G3	N/A	
12	17,415	B3 U0 G3	21,004	B3 U0 G3	15,986	B3 U0 G3	21,444	B3 U0 G3	N/A	
14	20,189	B3 U0 G3	24,350	B3 U0 G3	18,532	B3 U0 G3	24,860	B4 U0 G3	N/A	
16	23,074	B3 U0 G3	27,828	B4 U0 G3	21,179	B3 U0 G3	28,411	B4 U0 G3	N/A	
700mA										
02	3,472	B1 U0 G1	4,189	B1 U0 G1	3,187	B1 U0 G1	4,275	B1 U0 G1	N/A	
04	6,943	B2 U0 G1	8,379	B2 U0 G2	6,373	B2 U0 G1	8,549	B2 U0 G2	N/A	
06	10,296	B2 U0 G2	12,425	B3 U0 G2	9,451	B2 U0 G2	12,678	B3 U0 G2	N/A	

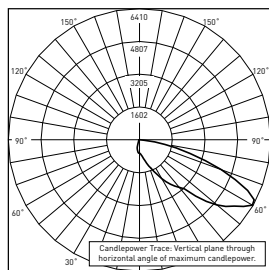
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

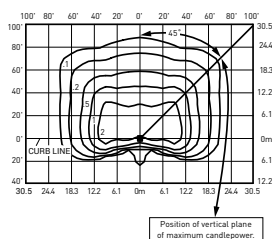
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

4MB



RESTL Test Report #: PL10023-002B
ARE-EDG-4MB-**-06-E-UL-525-40K
Initial Delivered Lumens: 7,985



ARE-EDG-4MB-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,185
Initial FC at grade

Type IV Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	1,560	B0 U0 G1	1,884	B0 U0 G1	1,432	B0 U0 G1	1,921	B0 U0 G1	615	B0 U0 G0
04	3,121	B1 U0 G1	3,768	B1 U0 G1	2,865	B0 U0 G1	3,843	B1 U0 G1	1,230	B0 U0 G1
06	4,628	B1 U0 G1	5,588	B1 U0 G1	4,248	B1 U0 G1	5,698	B1 U0 G2	1,824	B0 U0 G1
08	6,170	B1 U0 G2	7,450	B1 U0 G2	5,664	B1 U0 G2	7,598	B1 U0 G2	2,431	B0 U0 G1
10	7,695	B1 U0 G2	9,291	B1 U0 G2	7,063	B1 U0 G2	9,475	B1 U0 G2	3,032	B1 U0 G1
12	9,233	B1 U0 G2	11,149	B1 U0 G2	8,476	B1 U0 G2	11,370	B1 U0 G2	3,638	B1 U0 G1
14	10,704	B1 U0 G2	12,924	B1 U0 G2	9,825	B1 U0 G2	13,181	B1 U0 G2	4,218	B1 U0 G1
16	12,233	B1 U0 G2	14,771	B2 U0 G2	11,229	B1 U0 G2	15,063	B2 U0 G2	4,820	B1 U0 G1
525mA										
02	2,217	B1 U0 G1	2,674	B1 U0 G1	2,035	B1 U0 G1	2,730	B1 U0 G1	N/A	
04	4,434	B1 U0 G1	5,348	B1 U0 G1	4,070	B1 U0 G1	5,460	B1 U0 G1	N/A	
06	6,575	B1 U0 G2	7,930	B1 U0 G2	6,035	B1 U0 G2	8,096	B1 U0 G2	N/A	
08	8,766	B1 U0 G2	10,573	B1 U0 G2	8,047	B1 U0 G2	10,794	B1 U0 G2	N/A	
10	10,932	B1 U0 G2	13,185	B1 U0 G2	10,034	B1 U0 G2	13,461	B2 U0 G2	N/A	
12	13,118	B1 U0 G2	15,821	B2 U0 G3	12,041	B1 U0 G2	16,153	B2 U0 G3	N/A	
14	15,208	B2 U0 G2	18,341	B2 U0 G3	13,959	B2 U0 G2	18,726	B2 U0 G3	N/A	
16	17,380	B2 U0 G3	20,962	B2 U0 G3	15,953	B2 U0 G3	21,401	B2 U0 G3	N/A	
700mA										
02	2,615	B1 U0 G1	3,156	B1 U0 G1	2,400	B1 U0 G1	3,220	B1 U0 G1	N/A	
04	5,230	B1 U0 G1	6,311	B1 U0 G2	4,801	B1 U0 G1	6,440	B1 U0 G2	N/A	
06	7,755	B1 U0 G2	9,359	B1 U0 G2	7,119	B1 U0 G2	9,549	B1 U0 G2	N/A	

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

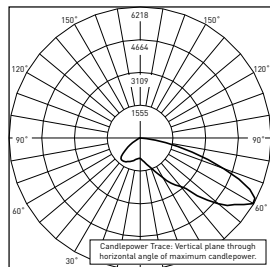
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Area/Flood Luminaire

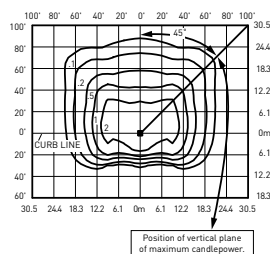
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

4MP



RESTL Test Report #: PL10097-003B
ARE-EDG-4MP-**-06-E-UL-525-40K
Initial Delivered Lumens: 9,410



ARE-EDG-4MP-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 15,458
Initial FC at grade

Type IV Medium Distribution w/Partial BLS										
LED Count [x10]	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	1,829	B1 U0 G1	2,209	B1 U0 G1	1,679	B1 U0 G1	2,253	B1 U0 G1	721	B0 U0 G0
04	3,659	B1 U0 G1	4,418	B1 U0 G1	3,359	B1 U0 G1	4,505	B1 U0 G1	1,442	B1 U0 G1
06	5,426	B1 U0 G1	6,551	B2 U0 G1	4,980	B1 U0 G1	6,681	B2 U0 G1	2,138	B1 U0 G1
08	7,234	B2 U0 G2	8,735	B2 U0 G2	6,640	B2 U0 G1	8,908	B2 U0 G2	2,851	B1 U0 G1
10	9,021	B2 U0 G2	10,892	B2 U0 G2	8,281	B2 U0 G2	11,108	B2 U0 G2	3,555	B1 U0 G1
12	10,825	B2 U0 G2	13,071	B2 U0 G2	9,937	B2 U0 G2	13,330	B2 U0 G2	4,266	B1 U0 G1
14	12,550	B2 U0 G2	15,153	B2 U0 G2	11,520	B2 U0 G2	15,453	B3 U0 G2	4,945	B1 U0 G1
16	14,343	B2 U0 G2	17,317	B3 U0 G2	13,165	B2 U0 G2	17,661	B3 U0 G2	5,651	B1 U0 G1
525mA										
02	2,599	B1 U0 G1	3,135	B1 U0 G1	2,386	B1 U0 G1	3,200	B1 U0 G1	N/A	
04	5,198	B1 U0 G1	6,270	B2 U0 G1	4,772	B1 U0 G1	6,401	B2 U0 G1	N/A	
06	7,708	B2 U0 G2	9,297	B2 U0 G2	7,076	B2 U0 G2	9,492	B2 U0 G2	N/A	
08	10,278	B2 U0 G2	12,396	B2 U0 G2	9,434	B2 U0 G2	12,656	B2 U0 G2	N/A	
10	12,817	B2 U0 G2	15,458	B3 U0 G2	11,764	B2 U0 G2	15,782	B3 U0 G2	N/A	
12	15,380	B3 U0 G2	18,549	B3 U0 G2	14,117	B2 U0 G2	18,938	B3 U0 G3	N/A	
14	17,830	B3 U0 G2	21,504	B3 U0 G3	16,366	B3 U0 G2	21,954	B3 U0 G3	N/A	
16	20,377	B3 U0 G3	24,576	B3 U0 G3	18,704	B3 U0 G3	25,091	B3 U0 G3	N/A	
700mA										
02	3,066	B1 U0 G1	3,700	B1 U0 G1	2,814	B1 U0 G1	3,775	B1 U0 G1	N/A	
04	6,132	B2 U0 G1	7,400	B2 U0 G2	5,628	B1 U0 G1	7,550	B2 U0 G2	N/A	
06	9,092	B2 U0 G2	10,973	B2 U0 G2	8,346	B2 U0 G2	11,196	B2 U0 G2	N/A	

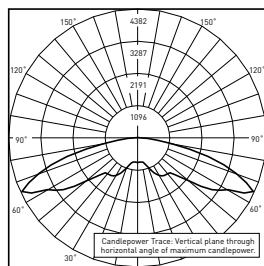
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

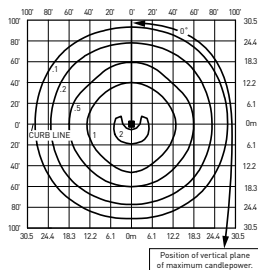
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

5M



RESTL Test Report #: PL09285-001
ARE-EDG-5M-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,136



ARE-EDG-5M-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 18,413
Initial FC at grade

Type V Medium Distribution

LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	2,179	B2 U0 G1	2,631	B2 U0 G1	2,000	B1 U0 G1	2,683	B2 U0 G1	859	B1 U0 G1
04	4,358	B3 U0 G1	5,262	B3 U0 G1	4,001	B2 U0 G1	5,367	B3 U0 G1	1,717	B1 U0 G1
06	6,463	B3 U0 G1	7,804	B3 U0 G2	5,932	B3 U0 G1	7,958	B3 U0 G2	2,547	B2 U0 G1
08	8,617	B3 U0 G2	10,405	B4 U0 G2	7,910	B3 U0 G2	10,611	B4 U0 G2	3,395	B2 U0 G1
10	10,746	B4 U0 G2	12,975	B4 U0 G2	9,864	B3 U0 G2	13,232	B4 U0 G2	4,234	B3 U0 G1
12	12,895	B4 U0 G2	15,570	B4 U0 G3	11,836	B4 U0 G2	15,878	B4 U0 G3	5,081	B3 U0 G1
14	14,949	B4 U0 G3	18,049	B4 U0 G3	13,722	B4 U0 G2	18,407	B4 U0 G3	5,890	B3 U0 G1
16	17,085	B4 U0 G3	20,628	B5 U0 G3	15,682	B4 U0 G3	21,037	B5 U0 G3	6,732	B3 U0 G2
525mA										
02	3,096	B2 U0 G1	3,734	B3 U0 G1	2,842	B2 U0 G1	3,812	B3 U0 G1	N/A	
04	6,192	B3 U0 G1	7,468	B3 U0 G2	5,684	B3 U0 G1	7,625	B3 U0 G2	N/A	
06	9,182	B3 U0 G2	11,074	B4 U0 G2	8,428	B3 U0 G2	11,306	B4 U0 G2	N/A	
08	12,243	B4 U0 G2	14,766	B4 U0 G2	11,238	B4 U0 G2	15,075	B4 U0 G3	N/A	
10	15,267	B4 U0 G3	18,413	B4 U0 G3	14,014	B4 U0 G2	18,799	B4 U0 G3	N/A	
12	18,320	B4 U0 G3	22,096	B5 U0 G3	16,816	B4 U0 G3	22,558	B5 U0 G3	N/A	
14	21,238	B5 U0 G3	25,615	B5 U0 G3	19,495	B4 U0 G3	26,151	B5 U0 G3	N/A	
16	24,272	B5 U0 G3	29,274	B5 U0 G3	22,280	B5 U0 G3	29,887	B5 U0 G3	N/A	
700mA										
02	3,652	B3 U0 G1	4,407	B3 U0 G1	3,352	B2 U0 G1	4,497	B3 U0 G1	N/A	
04	7,304	B3 U0 G2	8,814	B3 U0 G2	6,704	B3 U0 G2	8,993	B3 U0 G2	N/A	
06	10,831	B4 U0 G2	13,070	B4 U0 G2	9,941	B3 U0 G2	13,336	B4 U0 G2	N/A	

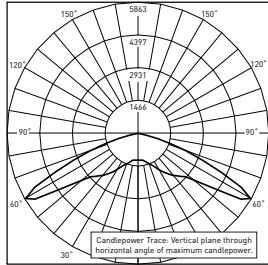
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

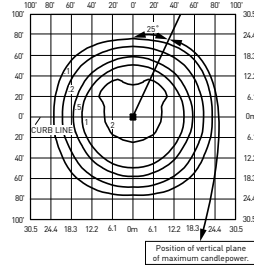
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

55



RESTL Test Report #: PL09286-001A
ARE-EDG-5S-**-06-E-UL-700-40K
Initial Delivered Lumens: 14,123



ARE-EDG-5S-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,459
Initial FC at grade

Type V Short Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-20
350mA										
02	2,421	B1 U0 G0	2,924	B2 U0 G0	2,223	B1 U0 G0	2,982	B2 U0 G0	954	B1 U0 G0
04	4,843	B2 U0 G1	5,847	B3 U0 G1	4,445	B2 U0 G1	5,963	B3 U0 G1	1,908	B1 U0 G0
06	7,181	B3 U0 G1	8,671	B3 U0 G1	6,592	B3 U0 G1	8,842	B3 U0 G1	2,830	B2 U0 G0
08	9,575	B3 U0 G1	11,561	B3 U0 G2	8,789	B3 U0 G1	11,790	B3 U0 G2	3,773	B2 U0 G1
10	11,940	B3 U0 G2	14,416	B4 U0 G2	10,960	B3 U0 G2	14,702	B4 U0 G2	4,705	B2 U0 G1
12	14,328	B4 U0 G2	17,300	B4 U0 G2	13,152	B3 U0 G2	17,642	B4 U0 G2	5,646	B3 U0 G1
14	16,610	B4 U0 G2	20,055	B4 U0 G2	15,246	B4 U0 G2	20,453	B4 U0 G2	6,545	B3 U0 G1
16	18,983	B4 U0 G2	22,920	B4 U0 G2	17,424	B4 U0 G2	23,374	B4 U0 G2	7,480	B3 U0 G1
525mA										
02	3,440	B2 U0 G0	4,149	B2 U0 G1	3,158	B2 U0 G0	4,236	B2 U0 G1		N/A
04	6,880	B3 U0 G1	8,298	B3 U0 G1	6,315	B3 U0 G1	8,472	B3 U0 G1		N/A
06	10,202	B3 U0 G2	12,305	B3 U0 G2	9,365	B3 U0 G1	12,563	B3 U0 G2		N/A
08	13,603	B3 U0 G2	16,406	B4 U0 G2	12,486	B3 U0 G2	16,750	B4 U0 G2		N/A
10	16,963	B4 U0 G2	20,459	B4 U0 G2	15,571	B4 U0 G2	20,887	B4 U0 G2		N/A
12	20,356	B4 U0 G2	24,551	B4 U0 G2	18,685	B4 U0 G2	25,065	B4 U0 G2		N/A
14	23,598	B4 U0 G2	28,461	B5 U0 G3	21,661	B4 U0 G2	29,057	B5 U0 G3		N/A
16	26,969	B4 U0 G2	32,527	B5 U0 G3	24,755	B4 U0 G2	33,208	B5 U0 G3		N/A
700mA										
02	4,058	B2 U0 G1	4,897	B2 U0 G1	3,725	B2 U0 G1	4,996	B2 U0 G1		N/A
04	8,115	B3 U0 G1	9,793	B3 U0 G1	7,449	B3 U0 G1	9,993	B3 U0 G2		N/A
06	12,034	B3 U0 G2	14,523	B4 U0 G2	11,046	B3 U0 G2	14,818	B4 U0 G2		N/A

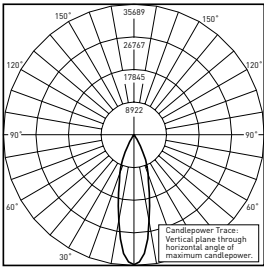
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

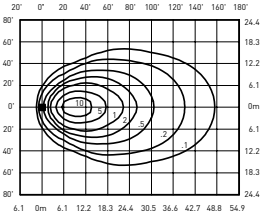
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

25°



RESTL Test Report #: PL09832-003B
FLD-EDG-25-**-06-E-UL-700-40K
Initial Delivered Lumens: 14,998



FLD-EDG-25-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 20,913
Initial FC at grade

25° Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
350mA					
02	2,475	2,989	2,272	3,048	975
04	4,950	5,977	4,544	6,096	1,951
06	7,341	8,863	6,738	9,039	2,892
08	9,788	11,818	8,984	12,052	3,857
10	12,205	14,737	11,203	15,029	4,809
12	14,646	17,684	13,444	18,035	5,771
14	16,979	20,501	15,585	20,907	6,690
16	19,405	23,429	17,812	23,894	7,646
525mA					
02	3,516	4,241	3,228	4,330	N/A
04	7,033	8,482	6,456	8,660	N/A
06	10,429	12,578	9,573	12,842	N/A
08	13,905	16,771	12,764	17,122	N/A
10	17,340	20,913	15,917	21,352	N/A
12	20,808	25,096	19,100	25,622	N/A
14	24,122	29,093	22,142	29,703	N/A
16	27,568	33,250	25,305	33,946	N/A
700mA					
02	4,148	5,006	3,807	5,107	N/A
04	8,296	10,011	7,615	10,215	N/A
06	12,301	14,845	11,292	15,147	N/A

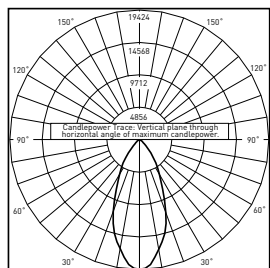
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

THE EDGE® LED Area/Flood Luminaire

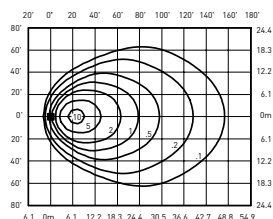
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

40°



RESTL Test Report #: PL09832-002B
FLD-EDG-40-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,808



FLD-EDG-40-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 20,459
Initial FC at grade

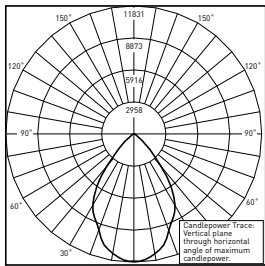
40° Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
350mA					
02	2,421	2,924	2,223	2,982	954
04	4,843	5,847	4,445	5,963	1,908
06	7,181	8,671	6,592	8,842	2,830
08	9,575	11,561	8,789	11,790	3,773
10	11,940	14,416	10,960	14,702	4,705
12	14,328	17,300	13,152	17,642	5,646
14	16,610	20,055	15,246	20,453	6,545
16	18,983	22,920	17,424	23,374	7,480
525mA					
02	3,440	4,149	3,158	4,236	N/A
04	6,880	8,298	6,315	8,472	N/A
06	10,202	12,305	9,365	12,563	N/A
08	13,603	16,406	12,486	16,750	N/A
10	16,963	20,459	15,571	20,887	N/A
12	20,356	24,551	18,685	25,065	N/A
14	23,598	28,461	21,661	29,057	N/A
16	26,969	32,527	24,755	33,208	N/A
700mA					
02	4,058	4,897	3,725	4,996	N/A
04	8,115	9,793	7,449	9,993	N/A
06	12,034	14,523	11,046	14,818	N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

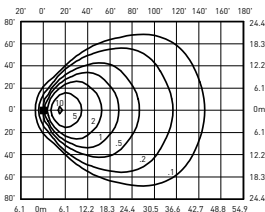
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

70°



RESTL Test Report #: PL09832-001B
FLD-EDG-70-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,888



FLD-EDG-70-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 18,640
Initial FC at grade

70° Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
350mA					
02	2,206	2,664	2,025	2,716	869
04	4,412	5,327	4,050	5,433	1,739
06	6,543	7,900	6,006	8,056	2,578
08	8,724	10,533	8,008	10,742	3,437
10	10,879	13,135	9,986	13,395	4,286
12	13,054	15,762	11,983	16,074	5,144
14	15,133	18,272	13,891	18,635	5,963
16	17,295	20,883	15,876	21,297	6,815
525mA					
02	3,134	3,780	2,877	3,859	N/A
04	6,269	7,560	5,754	7,719	N/A
06	9,295	11,211	8,532	11,446	N/A
08	12,394	14,948	11,377	15,261	N/A
10	15,455	18,640	14,187	19,031	N/A
12	18,546	22,368	17,024	22,837	N/A
14	21,500	25,931	19,735	26,474	N/A
16	24,572	29,636	22,555	30,256	N/A
700mA					
02	3,697	4,461	3,393	4,552	N/A
04	7,394	8,923	6,787	9,104	N/A
06	10,964	13,232	10,064	13,501	N/A

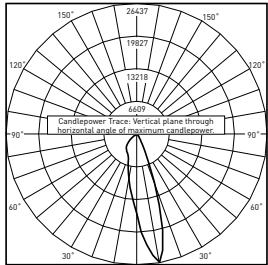
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

THE EDGE® LED Area/Flood Luminaire

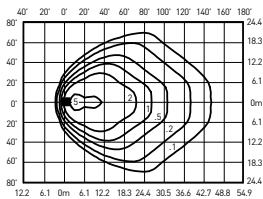
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

SN



RESTL Test Report #: PL10142-001B
FLD-EDG-SN-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,701



FLD-EDG-SN-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 18,868
Initial FC at grade

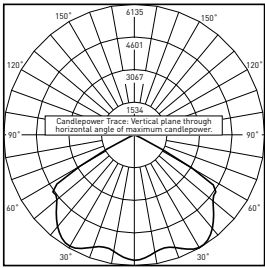
SN Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
350mA					
02	2,233	2,696	2,050	2,750	880
04	4,466	5,392	4,099	5,499	1,760
06	6,623	7,996	6,079	8,155	2,609
08	8,830	10,662	8,105	10,873	3,479
10	11,011	13,295	10,107	13,559	4,339
12	13,213	15,954	12,129	16,270	5,206
14	15,318	18,495	14,061	18,862	6,036
16	17,506	21,137	16,069	21,556	6,898
525mA					
02	3,172	3,826	2,912	3,906	N/A
04	6,345	7,653	5,824	7,813	N/A
06	9,409	11,348	8,636	11,585	N/A
08	12,545	15,130	11,515	15,447	N/A
10	15,644	18,868	14,360	19,263	N/A
12	18,773	22,641	17,231	23,115	N/A
14	21,763	26,247	19,976	26,797	N/A
16	24,871	29,997	22,830	30,625	N/A
700mA					
02	3,742	4,516	3,435	4,608	N/A
04	7,484	9,032	6,870	9,215	N/A
06	11,098	13,393	10,187	13,665	N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

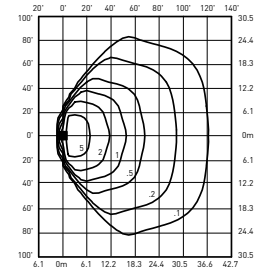
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

N6



RESTL Test Report #: PL09832-004B
FLD-EDG-N6-**-06-E-UL-700-40K
Initial Delivered Lumens: 15,251



FLD-EDG-N6-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 20,913
Initial FC at grade

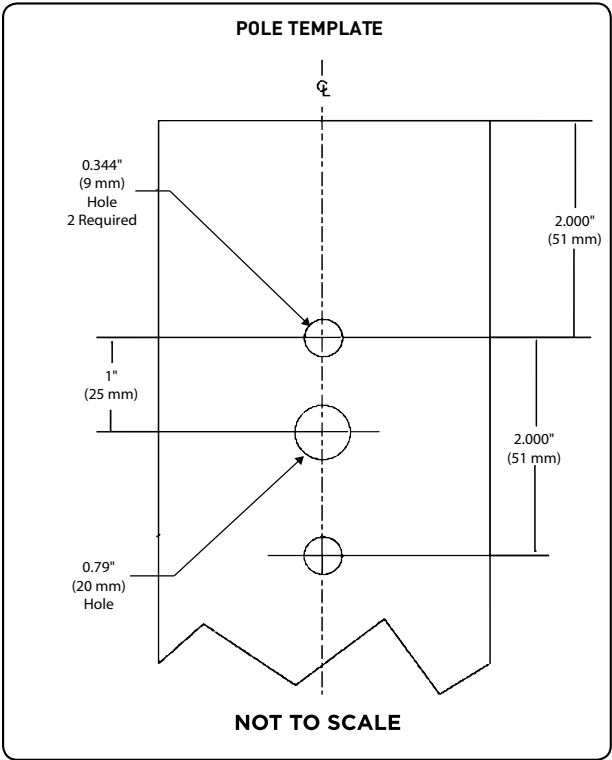
NEMA® 6 Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
350mA					
02	2,475	2,989	2,272	3,048	975
04	4,950	5,977	4,544	6,096	1,951
06	7,341	8,863	6,738	9,039	2,892
08	9,788	11,818	8,984	12,052	3,857
10	12,205	14,737	11,203	15,029	4,809
12	14,646	17,684	13,444	18,035	5,771
14	16,979	20,501	15,585	20,907	6,690
16	19,405	23,429	17,812	23,894	7,646
525mA					
02	3,516	4,241	3,228	4,330	N/A
04	7,033	8,482	6,456	8,660	N/A
06	10,429	12,578	9,573	12,842	N/A
08	13,905	16,771	12,764	17,122	N/A
10	17,340	20,913	15,917	21,352	N/A
12	20,808	25,096	19,100	25,622	N/A
14	24,122	29,093	22,142	29,703	N/A
16	27,568	33,250	25,305	33,946	N/A
700mA					
02	4,148	5,006	3,807	5,107	N/A
04	8,296	10,011	7,615	10,215	N/A
06	12,301	14,845	11,292	15,147	N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Fixed Arm Mount – ARE-EDG-DA						
LED Count (x10)	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
						
02	0.60	0.87	1.20	1.47	1.47	1.75
04	0.60	0.87	1.20	1.47	1.47	1.75
06	0.60	0.92	1.20	1.51	1.51	1.83
08	0.60	0.96 N/A with 3" poles	1.20	1.55 N/A with 3" poles	1.55	1.91 N/A with 3" poles
10	0.60	1.00 N/A with 3" poles	1.20	1.60 N/A with 3" poles	1.60	2.00 N/A with 3" poles
12	0.60	1.04 N/A with 3" poles	1.20	1.64 N/A with 3" poles	1.64	2.08 N/A with 3" poles
14	0.60	1.08 N/A with 3" or 4" poles	1.20	1.68 N/A with 3" or 4" poles	1.68	2.16 N/A with 3" or 4" poles
16	0.60	1.12 N/A with 3" or 4" poles	1.20	1.72 N/A with 3" or 4" poles	1.72	2.24 N/A with 3" or 4" poles
Fixed Arm Mount – ARE-EDG-DL						
02	0.75	1.02	1.50	1.77	1.77	1.91
04	0.75	1.02	1.50	1.77	1.77	1.91
06	0.75	1.07	1.50	1.82	1.82	1.98
08	0.75	1.11	1.50	1.86	1.86	2.04
10	0.75	1.15	1.50	1.90	1.90	2.10
12	0.75	1.19	1.50	1.94	1.94	2.16
14	0.75	1.23	1.50	1.98	1.98	2.22
16	0.75	1.27	1.50	2.02	2.02	2.28

Fixture Mounting Drill Pattern for DA and DL Mounts



Luminaire EPA

Adjustable Arm Mount – ARE-EDG-AA/FLD-EDG-AA/SA									
LED Count (x10)	Single	2 @ 90°	2 @ 180°	In-Line 2 @ 180°	3 @ 90°	3 @ 120°	In-Line 3 @ 180°	4 @ 90°	In-Line 4 @ 180°
Tenon Configuration If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA									
									
	Vertical: PB-1A*; PT-1; PW-1A3** Horizontal: By others	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(90); PT-2(90)	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(180); PT-2(180)	Vertical: PB-2A*; PB-2R2.375	Vertical: PB-3A*; PB-3R2.375 Horizontal: PD-3A4(90); PT-3(90)	Vertical: PB-3A*; PB-3R2.375 Horizontal: PT-3(120)	Vertical: PB-3A*; PB-3R2.375	Vertical: PB-4A*(90); PB-4R2.375 Horizontal: PD-4A4(90) PT-4(90)	Vertical: PB-4A*(180); PB-4R2.375
0° Tilt									
02	0.66	0.98	1.32	1.32	1.77	1.64	1.98	1.91	2.64
04	0.66	0.98	1.32	1.32	1.64	1.64	1.98	1.97	2.64
06	0.66	1.02	1.32	1.32	1.68	1.68	1.98	2.05	2.64
08	0.66	1.07	1.32	1.32	1.80	1.72	1.98	2.29	2.64
10	0.66	1.11	1.32	1.32	1.76	1.76	1.98	2.21	2.64
12	0.66	1.15	1.32	1.32	1.80	1.80	1.98	2.29	2.64
14	0.66	1.19	1.32	1.32	1.84	1.84	1.98	2.38	2.64
16	0.66	1.23	1.32	N/A	1.89	1.89	N/A	2.46	N/A
30° Tilt									
02	0.71	1.37	1.42	1.42	2.08	2.08	2.13	2.73	2.84
04	0.71	1.37	1.42	1.42	2.08	2.08	2.13	2.73	2.84
06	0.82	1.48	1.64	1.64	2.30	2.30	2.46	2.95	3.28
08	0.93	1.59	1.86	1.86	2.52	2.52	2.79	3.17	3.72
10	1.04	1.70	2.08	2.08	2.74	2.74	3.12	3.40	4.16
12	1.15	1.81	2.30	2.30	2.96	2.96	3.45	3.62	4.60
14	1.26	1.92	2.52	2.52	3.18	3.18	3.78	3.84	5.04
16	1.37	2.03	2.74	N/A	3.40	3.40	N/A	4.06	N/A
45° Tilt									
02	0.89	1.55	1.78	1.78	2.45	2.45	2.67	3.10	3.56
04	0.89	1.55	1.78	1.78	2.45	2.45	2.67	3.10	3.56
06	1.03	1.69	2.06	2.06	2.72	2.72	3.09	3.38	4.12
08	1.17	1.83	2.34	2.34	3.00	3.00	3.51	3.66	4.68
10	1.31	1.97	2.62	2.62	3.28	3.28	3.93	3.94	5.24
12	1.45	2.11	2.90	2.90	3.56	3.56	4.35	4.21	5.80
14	1.59	2.25	3.18	3.18	3.83	3.83	4.77	4.49	6.36
16	1.73	2.38	3.46	N/A	4.11	4.11	N/A	4.77	N/A
60° Tilt									
02	1.20	1.86	2.40	2.40	3.06	3.06	3.60	3.72	4.80
04	1.20	1.86	2.40	2.40	3.06	3.06	3.60	3.72	4.80
06	1.39	2.05	2.78	2.78	3.44	3.44	4.17	4.10	5.56
08	1.58	2.23	3.16	3.16	3.81	3.81	4.74	4.47	6.32
10	1.77	2.42	3.54	3.54	4.19	4.19	5.31	4.84	7.08
12	1.95	2.61	3.90	3.90	4.56	4.56	5.85	5.22	7.80
14	2.14	2.80	4.28	4.28	4.94	4.94	6.42	5.59	8.56
16	2.33	2.98	4.66	N/A	5.31	5.31	N/A	5.97	N/A

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation

** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Luminaire EPA

Adjustable Arm Mount – ARE-EDG-AA/FLD-EDG-AA/SA									
LED Count (x10)	Single	2 @ 90°	2 @ 180°	In-Line 2 @ 180°	3 @ 90°	3 @ 120°	In-Line 3 @ 180°	4 @ 90°	In-Line 4 @ 180°
Tenon Configuration If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA									
									
	Vertical: PB-1A*; PT-1; PW-1A3** Horizontal: By others	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(90); PT-2(90)	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(180); PT-2(180)	Vertical: PB-2A*; PB-2R2.375	Vertical: PB-3A*; PB-3R2.375 Horizontal: PD-3A4(90); PT-3(90)	Vertical: PB-3A*; PB-3R2.375 Horizontal: PT-3(120)	Vertical: PB-3A*; PB-3R2.375	Vertical: PB-4A*(90); PB-4R2.375 Horizontal: PD-4A4(90) PT-4(90)	Vertical: PB-4A*(180); PB-4R2.375
90° Tilt									
02	1.85	2.51	3.70	3.64	4.36	4.36	5.55	5.02	7.40
04	1.85	2.51	3.70	3.64	4.36	4.36	5.55	5.02	7.40
06	2.14	2.80	4.28	4.22	4.94	4.94	6.42	5.59	8.56
08	2.43	3.09	4.86	4.78	5.51	5.51	7.29	6.17 N/A with horizontal tenon	9.72
10	2.71	3.37	5.42	5.34	6.08	6.08	8.13	6.74 N/A with horizontal tenon	10.84
12	3.00	3.66	6.00	5.90	6.66	6.66	9.00	7.31 N/A with horizontal tenon	12.00
14	3.29	3.95 N/A with PW-2A3**	6.58	6.48	7.23	7.23	9.87	7.89 N/A with horizontal tenon	13.16
16	3.57	4.23 N/A with PW-2A3**	7.14	N/A	7.81	7.81	N/A	8.46 N/A with horizontal tenon	N/A

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation

** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation

** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenons and Brackets [†] (must specify color)	
Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles PB-1A* – Single PB-4A*(90) – 90° Quad PB-2A* – 180° Twin PB-4A*(180) – 180° Quad PB-3A* – 180° Triple	Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons PB-2R2.375 – Twin PB-4R2.375 – Quad PB-3R2.375 – Triple
Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles PD-2A4(90) – 90° Twin PD-3A4(90) – 90° Triple PD-2A4(180) – 180° Twin PD-4A4(90) – 90° Quad	Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon PT-1 – Single (Vertical) PT-3(90) – 90° Triple PT-2(90) – 90° Twin PT-3(120) – 120° Triple PT-2(180) – 180° Twin PT-4(90) – 90° Quad
Wall Mount Brackets - Mounts to wall or roof WM-2 – Horizontal for AA and SA mounts WM-4 – L-Shape for AA and SA mounts WM-DM – Plate for DA and DL mounts	Mid-Pole Bracket - Mounts to square pole PW-1A3** – Single PW-2A3** – Double
	Ground Mount Post - For ground mounted flood luminaires PGM-1 - For use with AA and SA mounts

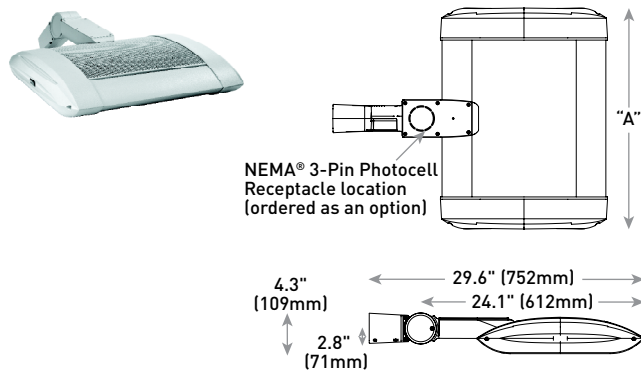
[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation

** Specify pole size: [3] for 3", [4] for 4", [5] for 5", or [6] for 6"

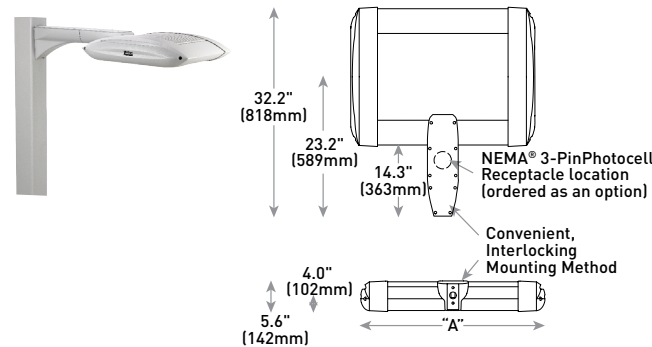
THE EDGE® LED Area/Flood Luminaire

AA Mount



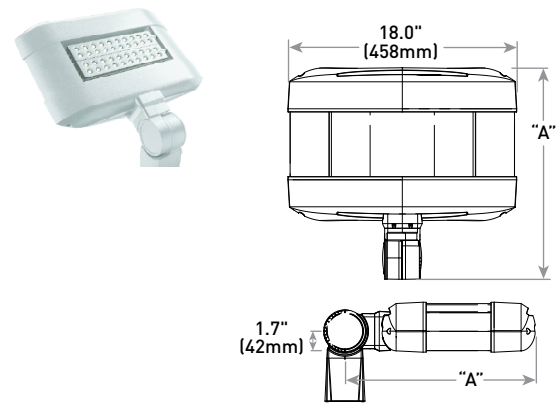
LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

DL Mount



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	23 lbs. (10kg)
04	12.1" (306mm)	26 lbs. (12kg)
06	14.1" (357mm)	29 lbs. (13kg)
08	16.1" (408mm)	30 lbs. (14kg)
10	18.1" (459mm)	34 lbs. (15kg)
12	20.1" (510mm)	36 lbs. (16kg)
14	22.1" (560mm)	42 lbs. (19kg)
16	24.1" (611mm)	44 lbs. (20kg)

SA Mount



LED Count (x10)	Dim. "A"	Weight
02	16.0" (406mm)	25 lbs. (11kg)
04	18.0" (457mm)	26 lbs. (12kg)
06	20.0" (508mm)	28 lbs. (13kg)

Replacement Kits

Hardware Bag (DA/DL Mounts)

XA-XALHRDWRBG

Universal Arm Mount Replacement (DA Mount only)

XA-ALPM*

- Includes portion of arm that mounts to the pole and hardware bag
- Portion of arm that mounts to luminaire is not replaceable in the field

DA to DL Mount Conversion Kit

XA-XAL2AC167KT*

- Includes universal arm mount to convert DA mount to DL mount and hardware bag

DL to DA Mount Conversion Kit

XA-XAL1AC166KT*

- Includes universal arm mount to convert DL mount to DA mount and hardware bag

Lower Fitter Kit (AA Mount only)

XA-AL3FTRKT*

- Includes portion of fitter that mounts to the pole/tenon and fitter/knuckle cover
- Portion of fitter that mounts to luminaire is not replaceable in the field

Light Bars & Driver Replacement Kits

- To ensure compatibility, please consult factory.

* Must specify finish color: BT (Black), BZ (Bronze), SV (Silver) or WT (White).

LED Programmable Multi-Level Options (PML/PML2/NS/NS2/SWS)

For use with THE EDGE® Series, 304 Series™, 228 Series™, VuePoint® Series, IG-B Wireless Series, and OSQ-C Series Luminaires

Performance Summary

Limited Warranty^{*}: 5 years on sensor

^{*} See <https://www.creelighting.com/resources/warranties/> for warranty terms

Setting	Factory Settings			Adjustment Range
	THE EDGE® Series, 304 Series™, 228 Series™ and VuePoint® Series Luminaires	IG-B Wireless (SWS)	OSQ-C Series Area/Flood Luminaires (NS/NS2)	
High mode	10V	Field adjustment not recommended	Field adjustment through hand-held remote only applies to the time delay or sensitivity settings. Additional settings handled through TL7-HVG node.	0-10V
Low mode	1V			Off to 9.8V
Time delay	5 min.			30 sec., 1 to 30 min.
Cut off	1 hr.			None, 1 to 59 min., 1 to 5 hr.
Setpoint	Disabled			1 to 250 fc (11 to 2691 lux), disabled, auto
Sensitivity	Max			Low, med, max, on-fix, off-fix
Ramp up Time	None			None, 1 to 60 sec.
Fade Down Time	None			None, 1 to 60 sec.
Photocell	Disabled			Disabled, 1 to 250 fc (11 to 2691 lux)

Accessories

Hand-Held Remote

XA-SENSREM

- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required
- Required only for changing sensitivity or time delay with the NS or NS2 options with OSQ-C Series Luminaires

Product Description

Cree Lighting's programmable multi-level (PML/PML2) options allow for the programming of multiple operating drive currents/input powers for high and low modes remotely through the use of a programmable handheld remote (XA-SENSREM). The drive currents/input powers are conveniently selected to balance LED life, lumen output and energy savings. Multi-level function is designed with all LEDs operating at the same current for maximum and uniform LED life.

The occupancy sensor used in the Cree Lighting programmable multi-level option uses passive infrared technology that reacts to changes in infrared energy (moving heat) within the coverage area. During operation if motion is detected within the sensor's coverage area, the relay in the sensor closes and the lighting load is automatically turned on to the selected High Mode setting. When motion is no longer detected for the duration of the Time Delay setting, the relay opens, and the lighting load automatically reverts to the selected Low Mode setting and will eventually turn off if programmed to do so. The occupancy sensor includes field-adjustable settings for ambient light (Setpoint and Photocell), motion detection (Time Delay and Cut Off Delay), Sensitivity, Ramp Up Time, Fade Down Time, High and Low Mode – all of which can be changed in the field with the programmable handheld remote.

The **High Mode** feature is fully adjustable from 0 to 10V and is **factory set at 10V**, the maximum drive current for the selected luminaire.

The **Low Mode** feature can be adjusted from an off position to 9.8V. This feature is **factory set at 1V**.

The **Time Delay** feature can be adjusted from 30 seconds, or 1 to 30 minutes and is **factory set at 5 minutes**. The luminaire will switch to the Low Mode setting if no motion is detected by the sensor for the specified time interval.

The **Cut Off Delay** feature can be set to disabled (fixture never turns off, unless Low Mode is set to off) or set to a period from 1 minute up to 5 hours. The **factory setting is 1 hour**. This feature allows the luminaire to switch from Low Mode to off after no motion is detected by the sensor for the specified duration of time.

The **Sensitivity** feature can be set to low, medium or maximum and is **factory set for maximum sensitivity** to motion within the coverage area of the sensor. In addition, there are the "on-fix" and "off-fix" modes, which will force the luminaire to stay on at the High Mode setting or off, respectively. When in either of these modes, motion detection and ambient light sensing functionality are disabled. These two modes are typically only used for troubleshooting.

The **Setpoint** feature is **factory set at disabled**. The Setpoint feature can be adjusted from 1 to 250 fc (11 to 2691 lux). When a numerical value is entered, the sensor will not transition to High Mode from motion if the light level is greater than the Set Point. Otherwise, if the light level is less than the Setpoint, motion will switch the luminaire to High Mode. If Low Mode is set to off or if the Cut Off Delay feature is enabled, then the luminaire will turn off and stay off until the light level falls below the Setpoint. There is also an auto option which is designed to automatically calibrate an appropriate Setpoint value based on the contribution of the luminaire's own light by a process in which the controlled load is turned on for two minutes to warm up the lamp and is then switched off and on eight times. Settings will vary based on application.

The **Ramp Up and Fade Down Time** features are **factory set at none** which means that the lights will switch from Low Mode to High Mode or from High Mode to Low Mode instantly. This feature may be adjusted from 1 to 60 seconds.

The **Photocell** (Off with Occupancy) feature is **factory set at disabled**. This feature may be adjusted from 1 to 250 fc (11 to 2691 lux). When this feature is enabled, if the light level is greater than the programmed value, the luminaire will remain off regardless of motion. When this setting is used in combination with the Setpoint feature, there must be at least 10fc (108 lux) of dead band between the two settings to help avoid load cycling. If the luminaire is off, it will turn on in High Mode when the light level decreases below the Setpoint value. If the luminaire is on and the light level is lower than the Photocell value but higher than the Setpoint value, then the luminaire will switch to Low Mode and the sensor will not transition to High Mode from motion.

NOTE: Default settings should always be saved to a profile on the programming tool before changes are made to the settings in the field. This will allow default factory settings to be recalled if desired. Instructions for saving and recalling profiles can be found in the PML installation instructions.

NOTE: PML settings do not need to be reprogrammed after a power outage.

Website: [creelighting.com](https://www.creelighting.com)

US: (800) 236-6800 Canada: (800) 473-1234

CREE  **LIGHTING®**

Figure 1 – VuePoint® Series High Bay, THE EDGE® Area/Flood, and OSQ-C Series Area/Flood Luminaires

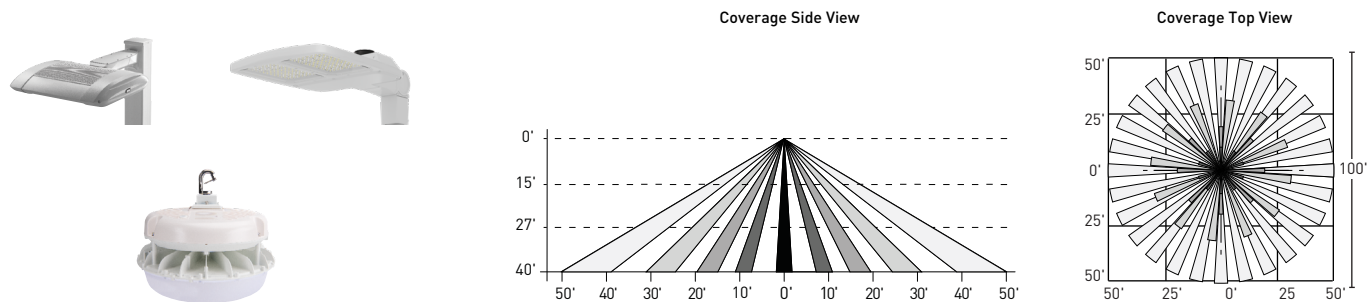


Figure 2 – THE EDGE® Area/Flood, THE EDGE® Canopy, 304 Series™ Canopy, 228 Series™ Canopy, and OSQ-C Series Area/Flood Luminaires

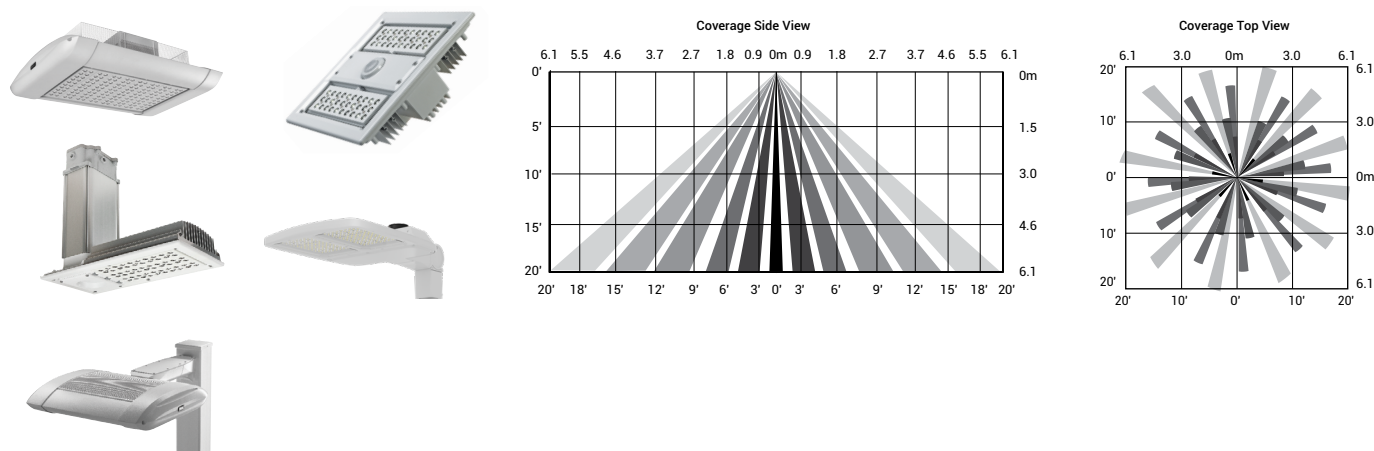
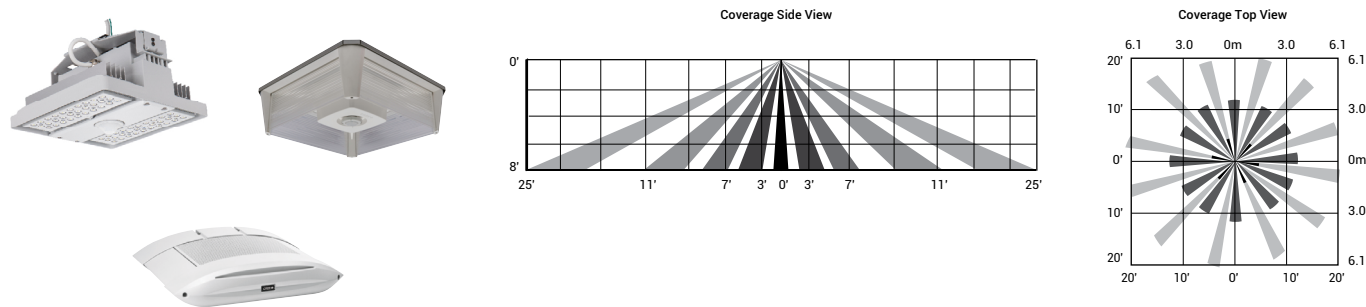


Figure 3 – THE EDGE® Security, 304 Series™ Parking Structure and IG-B Wireless Series Parking Structure Luminaires



Sensor Details			
Figure	Luminaire	PML Option	Coverage Area
1	VuePoint Series High Bay, THE EDGE Area/Flood, and OSQ-C Series Area/Flood Luminaires	PML	Lens coverage: 40' (12.2m) optimal mounting height and 100' (30.5m) diameter coverage with a 360° circular pattern. The maximum mounting height is 40' (12.2m). Lens mounting height to coverage radius is 1:0.80. Note: When mounting height are above 30' (9.1m), the sensor only detects large objects such as fork lift trucks or cars.
2	THE EDGE Canopy, 304 Series Recessed Canopy and 228 Series Recessed Canopy Luminaires	PML	Lens coverage: 20' (6.1m) optimal mounting height and 40' (12.2m) diameter coverage area with a 360° circular pattern. The minimum and maximum mounting heights are 10' (3.0m) and 30' (9.1m) respectively. Lens mounting height to coverage radius ratio is 1:1.
	THE EDGE Area/Flood and OSQ -C Series Area/Flood Luminaires	PML2	
3	THE EDGE Security, 304 Series Parking Structure, and IG-B Wireless Series Parking Structure Luminaires	PML	Lens coverage: 10' (3.0m) optimal mounting height and 50' (15.2m) diameter coverage area with a 360° circular pattern. The maximum mounting height is 15' (4.6m). Lens mounting height to coverage radius is 1:2.5.

Product Availability										
Drive Current	Voltage	THE EDGE® Series Luminaires			304 Series™					228 Series™
		Area	Canopy	Security	Parking Structure	Recessed Canopy	Upgrade Kits	Flood	Soffit (Non-IC only)	Recessed Canopy
350mA	120-277V	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	347-480V	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
525mA	120-277V	80-160 LED ^{F, P, R}	80-160 LED ^{F, P, R}	80 LED ^F	N/A	N/A	40-60 LED	N/A	60 LED ^F	N/A
	347-480V	80-120 LED	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
700mA	120-277V	20-60 LED ^{F, P, R}	40-60 LED ^{F, P, R}	20-60 LED ^F	40-60 LED ^F	40-60 LED ^F	N/A	40-60 LED ^F	40 LED ^F	90 LED
	347-480V	20-60 LED	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

F - PML option available with Fusing options

P - PML option available with Photocell option

R - PML option available with NEMA® Photocell Receptacle option

Product Availability			
Voltage	IG-B Wireless Series (SWS)	VuePoint® Series	OSQ-C Series (NS/NS2)
	Parking Structure	High Bay	Area/Flood
UL	All Lumen Packages ¹	All Lumen Packages ^E	OSQM (NS2), OSQL (NS/NS2), OSQX (NS), All Lumen Packages ^R
UH	N/A	N/A	OSQM (NS2), OSQL (NS/NS2), OSQX (NS), All Lumen Packages ^R

E - PML option available with EB option
1 - May not be used with other options
R - Requires either N or R option and TL7-HVG Synapse Control Accessory

PML High & Low Mode Multipliers – 525mA Drive Current

For use with THE EDGE Area/Flood and Security and 304 Series High Bay and Soffit Luminaires

0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.3	75	0.15	0.15
2.1	125	0.26	0.27
2.5	150	0.31	0.31
2.8	175	0.36	0.37
3.6	225	0.45	0.45
4.4	275	0.55	0.53
5.1	325	0.64	0.62
5.5	350	0.67	0.70
6.7	425	0.83	0.80
7.5	475	0.92	0.89
≥ 8.7	525	1.00	1.00

PML High & Low Mode Multipliers – 700mA Drive Current

For use with THE Edge Area/Flood, Canopy, Parking and Security Luminaires; 304 Series Canopy, Flood, High Bay, Parking, and Soffit Luminaires; 228 Series Recessed Canopy Luminaires

0-10V	Drive Current (mA)	System Watts Multiplier	Lumen Multiplier
<= 1.2	75	0.11	0.12
1.7	125	0.19	0.21
2.0	150	0.23	0.25
2.3	175	0.26	0.29
2.8	225	0.32	0.35
3.4	275	0.40	0.42
4.0	325	0.47	0.49
4.2	350	0.50	0.56
5.1	425	0.62	0.63
5.6	475	0.68	0.70
6.2	525	0.76	0.79
6.5	550	0.80	0.80
6.8	575	0.83	0.84
7.3	625	0.90	0.91
≥ 8.4	700	1.00	1.00

PML High & Low Mode Multipliers – VuePoint® Series

For use with VuePoint Series Luminaires with All Lumen Packages and UL Voltage

VuePoint Series Luminaire		
0-10V	120-277V	
	System Watts Multiplier	Lumen Multiplier
<= 1.0	0.17	0.16
2.0	0.27	0.26
3.0	0.36	0.36
4.0	0.46	0.47
5.0	0.56	0.57
6.0	0.67	0.68
7.0	0.78	0.78
8.0	0.89	0.89
10.0	1.00	1.00

TYPE L8

ZIP COMFORT DOWNLIGHT - ROUND & SQUARE

Type:
Project :

SPECIFICATION SHEET

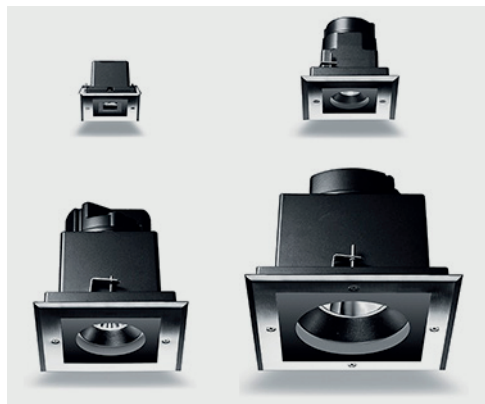
Page: 1 of 8

Collection of ceiling recessed luminaires for exterior applications. Available in 4 sizes with round or square design. Exceptional European build quality with high corrosion resistant finish. Robust marine grade die-cast aluminum construction, stainless steel fasteners and glass diffuser. Stainless steel 316L face plate with beveled edges.

Luminaire characteristics:

Power input: 4W to 33.5W
Lumens: 170lm to 2600lm (for 3000K, 90CRI)
Luminaire efficacy: Up to 84 lm/W

Source:	White LED module (LM-80) 2700K: 90CRI, 3000K: 90CRI, 4000K: 80CRI.
Lumen maintenance:	80% of initial lumens at 70 000 hours (L80 B10) Ta 77°F (25°C). 80% of initial lumens at 50 000 hours (L80 B10) Ta 104°F (40°C).
Optics:	Narrow flood and flood adjustable $\pm 15^\circ$.
Material:	Body: Die-cast aluminum with stainless steel front trim. Diffuser: 10mm thick tempered semiacid-etched glass Hardware: Stainless steel screws and silicone gaskets Back box: Polypropylene
Mounting:	Recessed installation in false ceiling.
Electrical:	Microzip: Output current 700mA. Remote LED driver options on page 3. Minizip, zip and megazip: Integral high efficiency LED driver, rated at 50 000 hours, 120-277V.
Dimming:	0-10V dimming (120-277V), down to 0.1%. TRIAC and ELV down to 2%. See remote LED driver options on page 3.
Finish:	Stainless steel finish.
Weight:	Microzip comfort: 1.3lb (0.6kg). Minizip comfort: 2.4lb (1.1kg). Zip comfort: 7.5lb (3.4kg). Megazip comfort: 13lb (6kg).
Glass surface temperature:	Less than 37°C (99°F)
Warranty:	5 year limited warranty.
Ratings:	IP65, IK09
Certification:	 cULus listed for wet location.



CLICK HERE



ORDERING INFO

- **19** -
FIXTURE

HOUSING

MODEL

☐ Microzip comfort ☐ Minizip comfort ☐ Zip comfort ☐ Megazip comfort

SHAPE

☐ Round ☐ Square

LED

☐ 927 - 2700K, 90CRI ☐ 930 - 3000K, 90CRI ☐ 940 - 4000K, 80CRI

OPTIC

☐ **Narrow flood**
- Zip (25°)

☐ **Flood**
- Microzip (36°)
- Minizip (32°)
- Megazip (30°)

VOLTAGE

☐ UNV - 120-277V⁽¹⁾ ☐ REM - Remote⁽²⁾

FINISH

☒ **19** - Stainless steel

DIMMING

☐ **D10** - 0-10V (down to 15%)

⁽¹⁾ Available for zip, minizip and megazip models.

⁽²⁾ Available for microzip model.

CONNECTION ACCESSORY

☐ **9010** - IP68 field connector for remote LED drivers.
For 0.26" - 0.34" (6.5-8.5mm) cable, 2P 12-18 AWG conductors.



☐ **9011** - IP68 field connector for 0-10V dimming.
For 0.34" - 0.41" (8.5-10.5mm) cable, 5P 14-18 AWG conductors.



HOUSING ACCESSORY (minizip comfort model only)

☐ **BI-MINIZIP-RD-IC-D10**
Minizip comfort round insulated housing

☐ **BI-MINIZIP-SQ-IC-D10**
Minizip comfort square insulated housing

Overall dimensions (AxB): 12 3/4" x 14 3/8" (324 x 365mm)

Hanger bars (C): 14 1/4" to 26" (362 to 660mm)

Clearance (D): 7 1/2" (190mm)

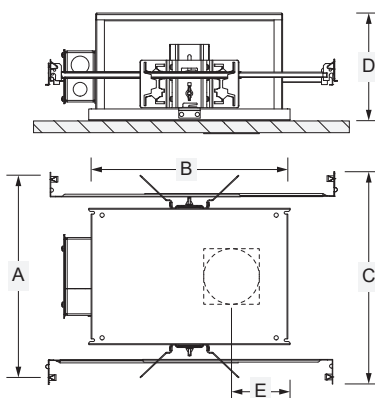
INSTALLATION INFORMATION

Ceiling thickness: 1/8" - 1 1/8" (3mm - 29mm)

Cut-out round: Ø4 1/2" (Ø115mm)

Cut-out square: 4 1/2" x 4 1/2" (115 x 115mm)

Cut-out position (E): 3 3/4" (95mm)



REMOTE LED DRIVER OPTIONS
(TO BE ORDERED SEPARATELY)

Microzip comfort round and square • S5515, S5525 • 2W* • 700mA

Wet location

Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1-2	04	120V	Leading and trailing edge (ELV and TRIAC)	Down to $\pm 15\%$	6 x 4½" x 3" (152 x 114 x 76mm)	30ft (9m)	4548-0700-004-120-LTE ☐
4-9	20	120-277V	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to $\pm 1\%$	6 x 4½" x 3" (152 x 114 x 76mm)	30ft (9m)	4548-0700-020-UNV-D2 ☐
1-14	30	120-277V	0-10V ELDOLED ECOdrive	Down to $\pm 1\%$	14½" x 5" x 3½" (368 x 165 x 89mm)	118ft (36m)	4549-0700-030-UNV-ED10 ☐
1-14	30	120-277V	0-10V ELDOLED SOLOdrive	Down to $\pm 0.1\%$	14½" x 5" x 3½" (368 x 165 x 89mm)	118ft (36m)	4549-0700-030-UNV-SD10 ☐

* Wattage requirement for one (1) fixture (Remote fixture only).

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

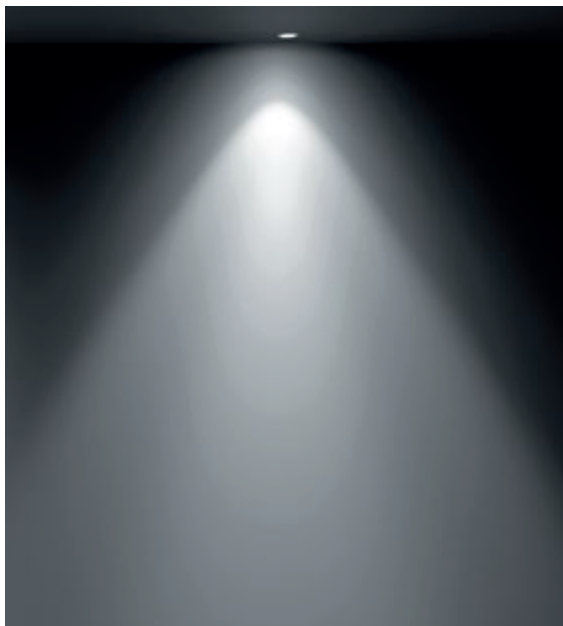
Dry location

Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1-2	04	120V	Leading and trailing edge (ELV and TRIAC)	Down to $\pm 15\%$	6 x 4½" x 3" (152 x 114 x 76mm)	30ft (9m)	4444-0700-004-120-LTE ☐
4-9	20	120-277V	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to $\pm 1\%$	6 x 4½" x 3" (152 x 114 x 76mm)	30ft (9m)	4444-0700-020-UNV-D2 ☐
1-14	30	120-277V	0-10V ELDOLED ECOdrive	Down to $\pm 1\%$	14½" x 5" x 3½" (368 x 165 x 89mm)	118ft (36m)	4450-0700-030-UNV-ED10 ☐
1-14	30	120-277V	0-10V ELDOLED SOLOdrive	Down to $\pm 0.1\%$	14½" x 5" x 3½" (368 x 165 x 89mm)	118ft (36m)	4450-0700-030-UNV-SD10 ☐

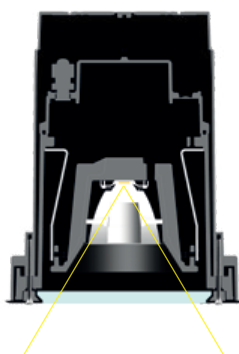
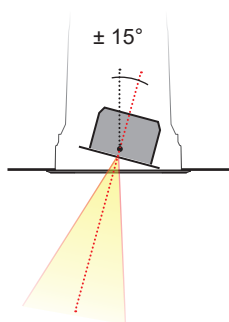
* Wattage requirement for one (1) fixture (Remote fixture only).

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

OVERVIEW



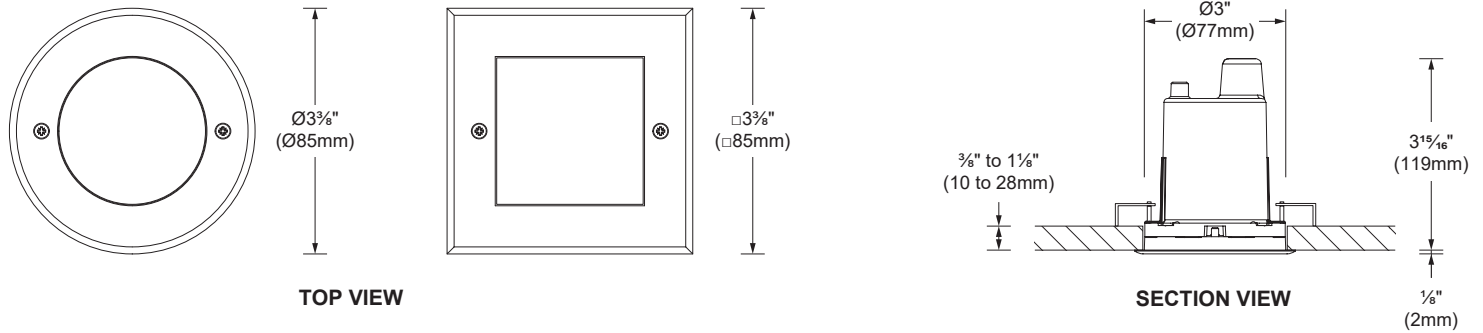
Narrow flood / flood
optic



DIMENSIONS

MICROZIP COMFORT

Remote driver

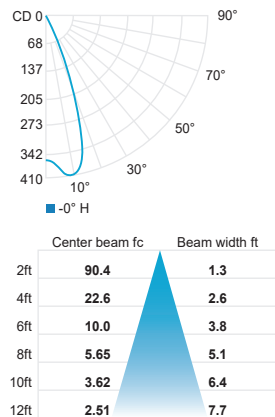


PHOTOMETRIC DATA

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS (round / square)
2700K	90	4W	Flood 36°	160	45	380	S5515H / S5525H
3000K				170	47	405	S5515W / S5525W
4000K	80			175	48	415	S5515N / S5525N

Efficacy based on IESNA LM-79 test reports. Visit sistemalux.com for complete photometric data.

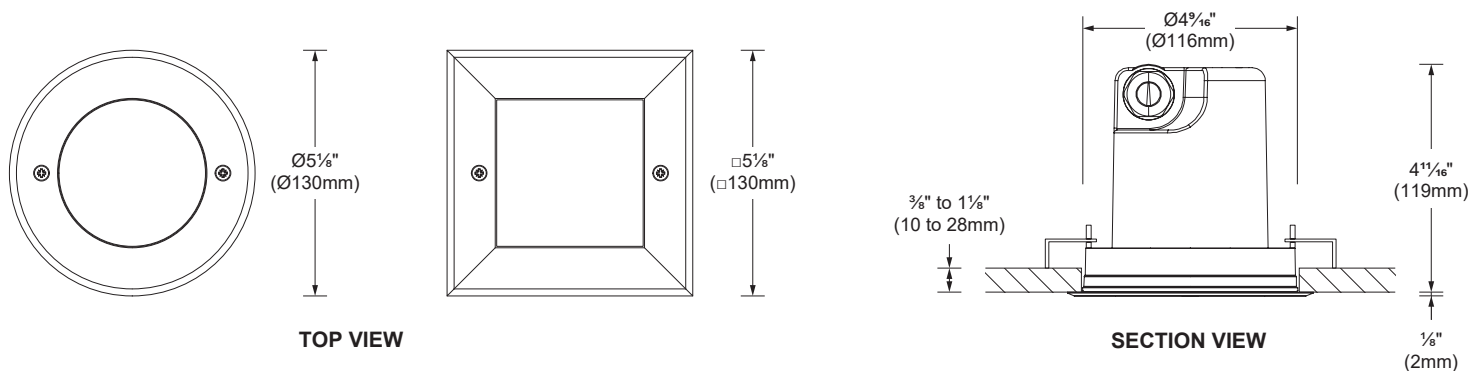
Flood 36° (3000K, 90 CRI)



DIMENSIONS

MINIZIP COMFORT

Integral driver

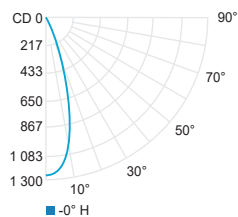


PHOTOMETRIC DATA

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS (round / square)
2700K	90	9W	Flood 32°	405	47	1 210	S5545H / S5555H
3000K				430	49	1 280	S5545W / S5555W
4000K	80			455	52	1 345	S5545N / S5555N

Efficacy based on IESNA LM-79 test reports. Visit sistemalux.com for complete photometric data.

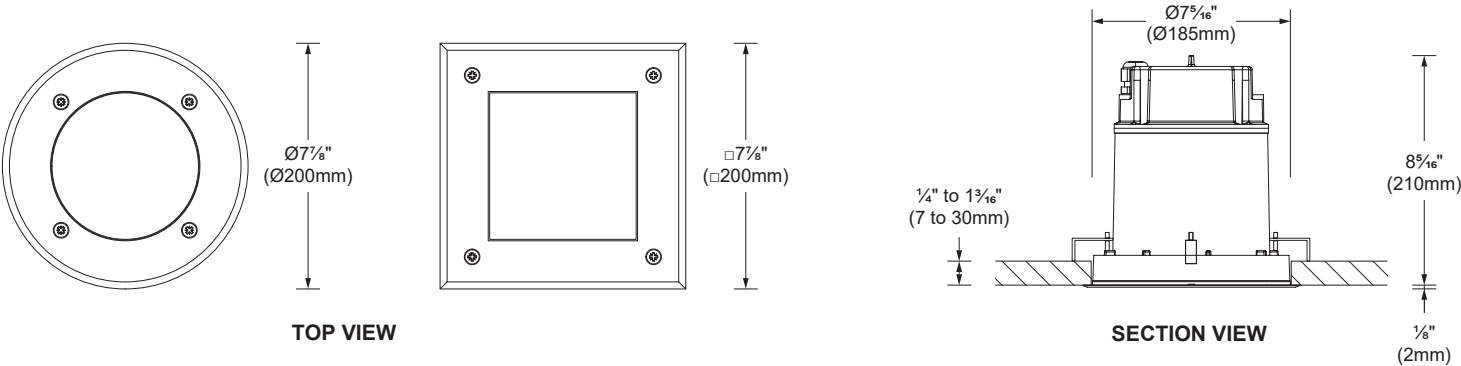
Flood 32° (3000K, 90CRI)



	Center beam fc	Beam width ft
2ft	321	1.1
4ft	80.2	2.3
6ft	35.6	3.4
8ft	20.0	4.6
10ft	12.8	5.7
12ft	8.91	6.8

DIMENSIONS

ZIP COMFORT
Integral driver

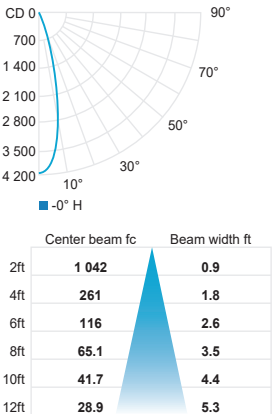


PHOTOMETRIC DATA

Table with 8 columns: CCT (K), CRI, LOAD (W), OPTIC, LUMENS (lm), EFFICACY (lm / W), MAX CANDELA (cd), and MODELS (round / square). It lists photometric data for 2700K, 3000K, and 4000K color temperatures, all with a CRI of 90 and a load of 15.5W. The optic is Narrow flood 25°. Models include S5565H, S5575H, S5565W, S5575W, S5565N, and S5575N.

Efficacy based on IESNA LM-79 test reports. Visit sistemalux.com for complete photometric data.

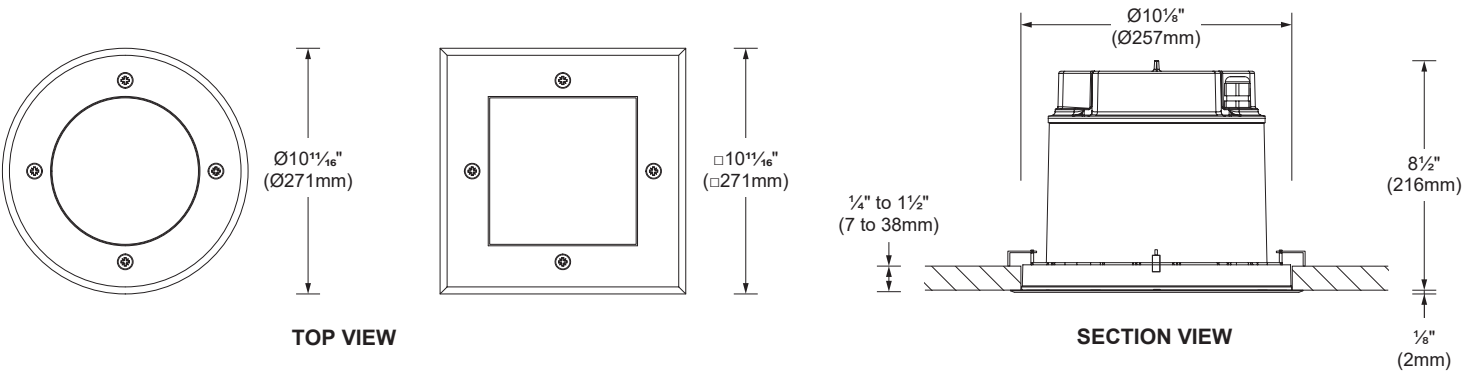
Narrow flood 25° (3000K, 90CRI)



DIMENSIONS

MEGAZIP COMFORT

Integral driver



PHOTOMETRIC DATA

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS (round / square)
2700K	90	33.5W	Flood 30°	2 515	75	9 230	S5585H / S5595H
3000K				2 600	78	9 545	S5585W / S5595W
4000K	80			2 800	84	10 270	S5585N / S5595N

Efficacy based on IESNA LM-79 test reports. Visit sistimalux.com for complete photometric data.

