

AIRPORT ROAD

LANDSCAPED AREA

DRIVEWAY

ENTRY - EXIT GATES

CREEK CROSSING

EXISTING STRUCTURE

DRIVEWAY

8m BERM

8m BERM

SITE LIGHTING LEGEND

- LP1 ➤ 40' DIRECT BURIED WOOD POLE CW VOLTATEC ISL-FL02-A-300W LED FLOOD LIGHT, AIMED DOWN AND INWARD TOWARDS SITE. REFER TO CUTSHEET (3K OPTION) SHOWN ON THIS PAGE. MOUNTING HEIGHT IS MODELLED AT 10.0m ABOVE GRADE. MOUNTING ON POLE TO BE CONFIRMED WITH POLE MANUFACTURER. NOTE, SECURITY SYSTEM TO BE PROVIDED BY OTHERS. ALLOW FOR 1 GFI OUTLET MOUNTED ON POLE (5' ABOVE GRADE). ALL LIGHTS TO BE POWERED AT 240V, GFI OUTLETS AT 120V.
- ✱ AS ABOVE BUT INCLUDE TWO (2) LUMINAIRES MOUNTED 180° APART.
- STREETLIGHT PEDESTAL FOR SITE LIGHTING AND GATE POWER. 120/240V BY PEDESTAL SOLUTIONS INC. (TO BE SUBFED FROM EX. SITE SERVICE LOCATION).
- ◇ GFI OUTLET INSTALLED ON POLE. (FOR COMMUNICATIONS/SECURITY ONLY)
- ++ GROUND ROD PER E.S.A.
- PROPOSED SITE POWER CABLE FOR LIGHTS: 3-#6Cu, RWU (RED/BLACK & WHITE) + 1-#6Cu, RWU JACKETED GRD. (GREEN) IN 50mm PVC CONDUIT. (REFER TO TRENCHING DETAIL).

- 1) ALL SITE LIGHT POLES TO BE LOCATED AS SHOWN, 1.0m FROM BACK OF CURB.
- 2) FULL INSTALLATION TO BE IN ACCORDANCE WITH ESA.

NO.	REVISION	DATE	MADE BY	CHECKED BY
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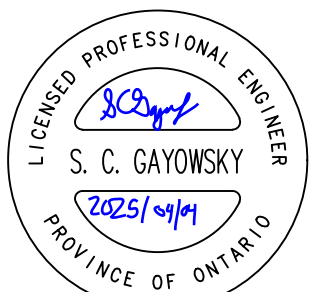
REVISIONS

RTG Systems Inc.
ELECTRICAL CONSULTING ENGINEERS
3518 Mainway Dr., Suite 201 Office: (905) 335-4470
BURLINGTON ON L7M 1A8 Toronto: (905) 827-7887
E-MAIL: general@rtgsystems.com

TOWN OF CALEDON

13291 Airport Road - Site Lighting

DESIGNED BY: S.C.G.	WORK ORDER:	DWG. NO. 06405-00
DRAWN BY: S.C.G.	AREA:	DWG. NO. SL-1
CHECKED BY:	SCALE: 1:1000	SHEET 1 OF 1
DATE: 2025.04.04		



Votatac
Innovation & Quality
www.votatac.ca

LED Flood light
CCT & Power Adjustable

200W 250W 300W

Specifications

Model No	ISL-FL02-A-200W	ISL-FL02-A-250W	ISL-FL02-A-300W
Power	200W-150W-100W ADJ.	250W-200W-150W ADJ.	300W-240W-200W ADJ.
Input	16,000 - 30,000LM	22,000 - 36,000LM	30,000 - 45,000LM
Lumen efficiency	130LM/W	130LM/W	130LM/W
Beam Angle	120°	120°	120°
CCT	3000K-4000K-5000K ADJ.	3000K-4000K-5000K ADJ.	3000K-4000K-5000K ADJ.
CR	>80	>80	>80
Input Voltage	120-240VAC, 50/60Hz	120-240VAC, 50/60Hz	120-240VAC, 50/60Hz
PF	>90	>90	>90
THD	<20%	<20%	<20%
Driver Model	SS-200W-A	SS-240W-A	SS-300W-A
Wavelength	Q150	Q150	Q150
LED Type	SMC2835	SMC2835	SMC2835
LED Qty	960PCS	1200PCS	1440PCS
Housing	Aluminum	Aluminum	Aluminum
Cover	CR65	CR65	CR65
Waterproof Rating	IP66	IP66	IP66
Operating Temperature	-30°C To +50°C	-30°C To +50°C	-30°C To +50°C
Operating Humidity	20%RH-90%	20%RH-90%	20%RH-90%
Storage Temperature	-40°C To +60°C	-40°C To +60°C	-40°C To +60°C
Storage Humidity	10%RH-90%	10%RH-90%	10%RH-90%
Warranty	5 years	5 years	5 years

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LED Flood light
CCT & Power Adjustable

ADVANTAGE:

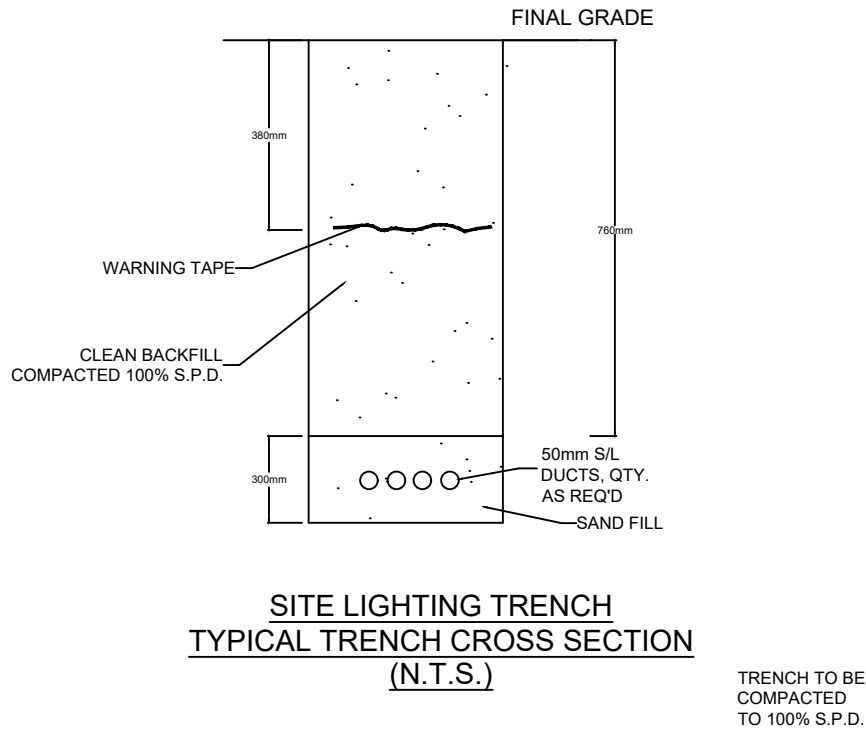
- ETL, CETL certificate.
- IP66 Driver, Input voltage 120-247VAC.
- Easy to install and operate.
- Energy saving, long lifespan.
- Offset bracket design, ±130° adjustable.
- Green and eco-friendly without mercury.

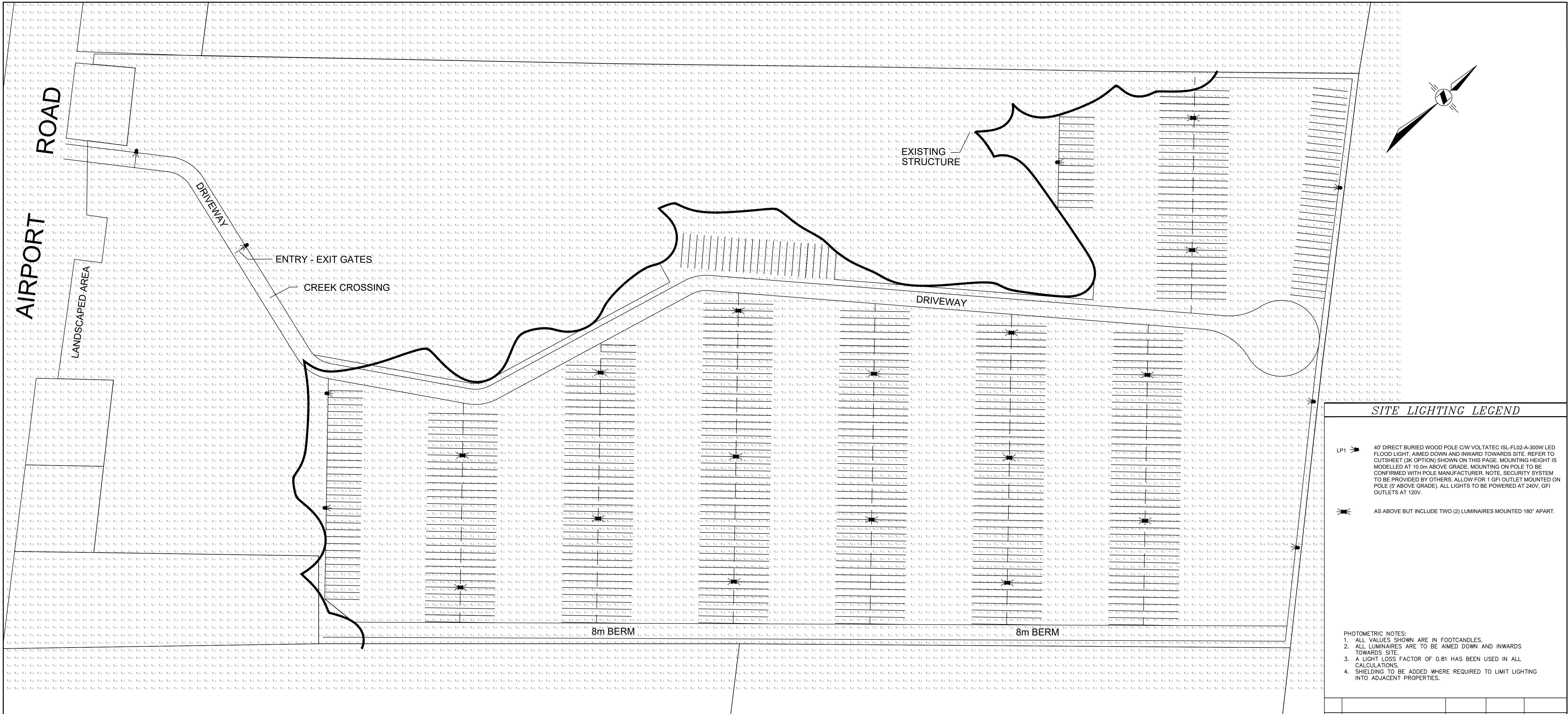
APPLICATION:

- Outdoor basketball court, tennis court, Badminton court, the football field.
- The school playground, stadium.
- Community leisure entertainment place.
- Warehouse/factory and workshops.
- Highway toll station.
- Meeting room, exhibition hall.

Dimensions:

200W 250W/300W





SITE LIGHTING LEGEND

- LP1 40' DIRECT BURIED WOOD POLE CW VOLTATEC ISL-FL02-A-300W LED FLOOD LIGHT, AIMED DOWN AND INWARD TOWARDS SITE. REFER TO CUTSHEET (3K OPTION) SHOWN ON THIS PAGE. MOUNTING HEIGHT IS MODELLED AT 10.0m ABOVE GRADE. MOUNTING ON POLE TO BE CONFIRMED WITH POLE MANUFACTURER. NOTE, SECURITY SYSTEM TO BE PROVIDED BY OTHERS. ALLOW FOR 1' GFI OUTLET MOUNTED ON POLE (5' ABOVE GRADE). ALL LIGHTS TO BE POWERED AT 240V, GFI OUTLETS AT 120V.
- AS ABOVE BUT INCLUDE TWO (2) LUMINAIRES MOUNTED 180° APART.

- PHOTOMETRIC NOTES:
- ALL VALUES SHOWN ARE IN FOOTCANDLES.
 - ALL LUMINAIRES ARE TO BE AIMED DOWN AND INWARDS TOWARDS SITE.
 - A LIGHT LOSS FACTOR OF 0.81 HAS BEEN USED IN ALL CALCULATIONS.
 - SHIELDING TO BE ADDED WHERE REQUIRED TO LIMIT LIGHTING INTO ADJACENT PROPERTIES.

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TOWN OF CALEDON

13291 Airport Road - Site Lighting
Photometric Analysis

DESIGNED BY: S.C.G.	WORK ORDER:	DWG. NO. 06405-00
DRAWN BY: S.C.G.	AREA:	DWG. NO. PHOT-1
CHECKED BY:	SCALE: 1:1000	SHEET 1 OF 1
DATE: 2025.04.04		

Votatrac
Innovation & Quality
www.votatrac.ca

LED Flood light
CCT & Power Adjustable

ADVANTAGE:

- ETL/UL certificate.
- IP66 Driver, Input voltage 120-347VAC
- Easy to install and operate.
- Energy saving, long lifespan.
- Offset bracket design, ±180° adjustable.
- Green and eco-friendly without mercury.

APPLICATION:

- Outdoor basketball court, tennis court, Badminton court, the football field.
- High school playground.
- Community leisure entertainment place.
- Warehouse, factory and workshops.
- Highway toll station.
- Meeting room, exhibition hall.

Specifications

Model No	ISL-FD2-A-200W	ISL-FD2-A-250W	ISL-FD2-A-300W
Power	200W-150W-100W ADJ	250W-200W-150W ADJ	300W-240W-200W ADJ
lumen	16000-120000LM	22000-160000LM	30000-450000LM
lumen efficiency	130LM/W	130LM/W	130LM/W
Beam Angle	120°	120°	120°
CCT	3000K-4000K-5000K ADJ	3000K-4000K-5000K ADJ	3000K-4000K-5000K ADJ
CRI	>80	>80	>80
Input Voltage	120-347VAC 50/60Hz	120-347VAC 50/60Hz	120-347VAC 50/60Hz
PF	>95	>95	>95
THD	<50%	<50%	<50%
Driver Model	SS-300W-A	SS-240W-A	SS-300W-A
Wavelength	285nm	285nm	285nm
LED Type	SMC2835	SMC2835	SMC2835
LED Qty	1200PCS	1200PCS	1440PCS
Housing	Aluminum	Aluminum	Aluminum
Cover	OPSS	OPSS	OPSS
Waterproof Rating	IP66	IP66	IP66
Operating Temperature	-30°C To +40°C	-30°C To +40°C	-30°C To +40°C
Operating Humidity	10% To 90%	10% To 90%	10% To 90%
Storage Temperature	-40°C To +60°C	-40°C To +60°C	-40°C To +60°C
Storage Humidity	10% To 90%	10% To 90%	10% To 90%
Warranty	5 years	5 years	5 years

DIMENSIONS:

200W 250W/300W

CCT Power IP66 ETL