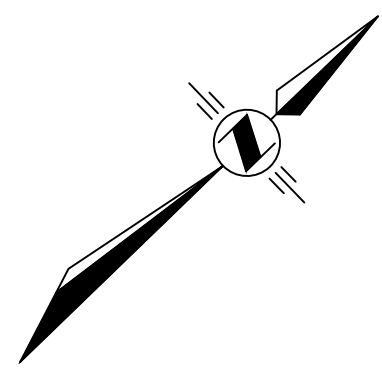


AIRPORT ROAD

DRIVEWAY

ENTRY - EXIT GATES



TOWN OF CALEDON
PLANNING
RECEIVED
October 10th, 2025

SITE LIGHTING LEGEND

- LP1 35' DIRECT BURIED WOOD POLE C/W VOLTATEC ISL-FLO2-A-300W LED FLOOD LIGHT, AIMED DOWN AND INWARD TOWARDS SITE. REFER TO CUTSHEET (3K OPTION/300W) SHOWN ON THIS PAGE. MOUNTING HEIGHT IS MODELLED AT 6.9m ABOVE GRADE. (POLE IS BURIED 5' TYP.), MOUNTING ON POLE TO BE CONFIRMED WITH POLE MANUFACTURER.
- LP1x2 AS ABOVE BUT INCLUDE TWO (2) LUMINAIRES MOUNTED 180° APART.
- STREETLIGHT PEDESTAL FOR SITE LIGHTING AND GATE POWER. 100A, 120/240V BY PEDESTAL SOLUTIONS INC. (TO BE SUBFED FROM METERED SERVICE LOCATION). INCLUDE 9880 GLB ADJACENT TO PED AT EACH LOCATION FOR HOMAC CONNECTION ON SUPPLY CABLE.
- 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
R3	REVISED PER TOWN COMMENTS	2025.10.08	S.C.G.	
R2	REVISED PER SUPPLY POINT	2025.05.29	S.C.G.	
R1	ISSUED FOR TENDER	2025.05.20	S.C.G.	

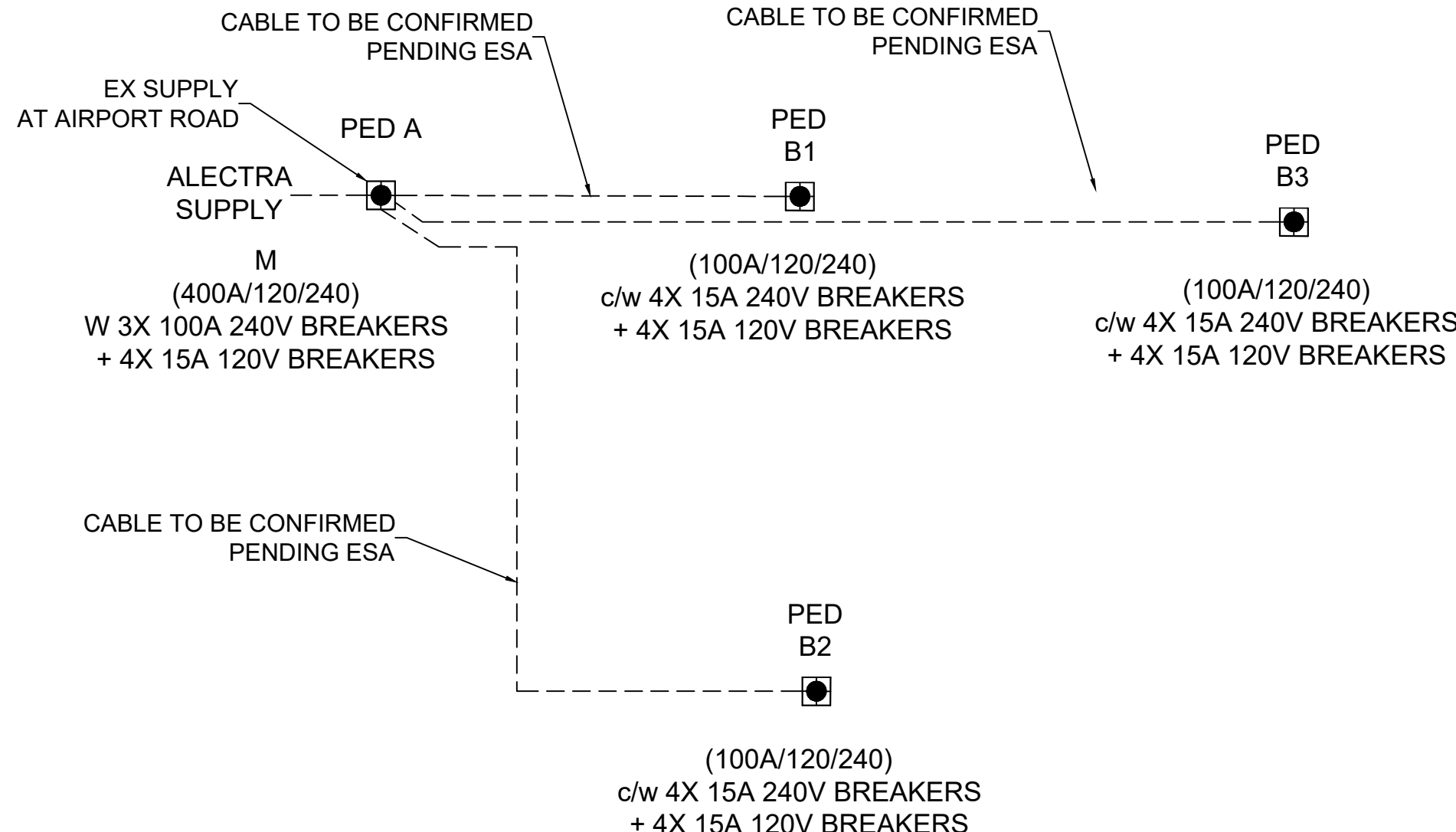
REVISIONS

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



WIRING DIAGRAM
(N.T.S.)

Votatec
Innovation & Quality
www.votatec.ca

LED Flood light
CCT & Power Adjustable

200W 250W 300W

Specifications

Model No	ISL-FLO2-A-200W	ISL-FLO2-A-250W	ISL-FLO2-A-300W
Power	200W-150W-100W ACU	250W-200W-150W ACU	300W-240W-200W ACU
lumens	15,000 - 30,000LM	22,500 - 36,000LM	30,000 - 45,000LM
lumens efficacy	150LM/W	150LM/W	150LM/W
Beam Angle	120°	120°	120°
CCT	3000K-4000K-5000K ACU	3000K-4000K-5000K ACU	3000K-4000K-5000K ACU
CR	H80	H80	H80
Input Voltage	120-247VAC 50/60Hz	120-247VAC 50/60Hz	120-247VAC 50/60Hz
PF	>90	>90	>90
THD	<20%	<20%	<20%
Driver Model	IS-200NM-A	IS-240NM-A	IS-300NM-A
Dimming	0-10V	0-10V	0-10V
LED Type	940C2035	940C2035	940C2035
LED Qty	96PCS	120PCS	144PCS
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%-95%	20%-95%	20%-95%
Storage Temperature	-40°C To +60°C	-40°C To +60°C	-40°C To +60°C
Storage Humidity	10%-95%	10%-95%	10%-95%
Warranty	5 years	5 years	5 years

Votatec
Innovation & Quality
www.votatec.ca

LED Flood light
CCT & Power Adjustable

ADVANTAGE:

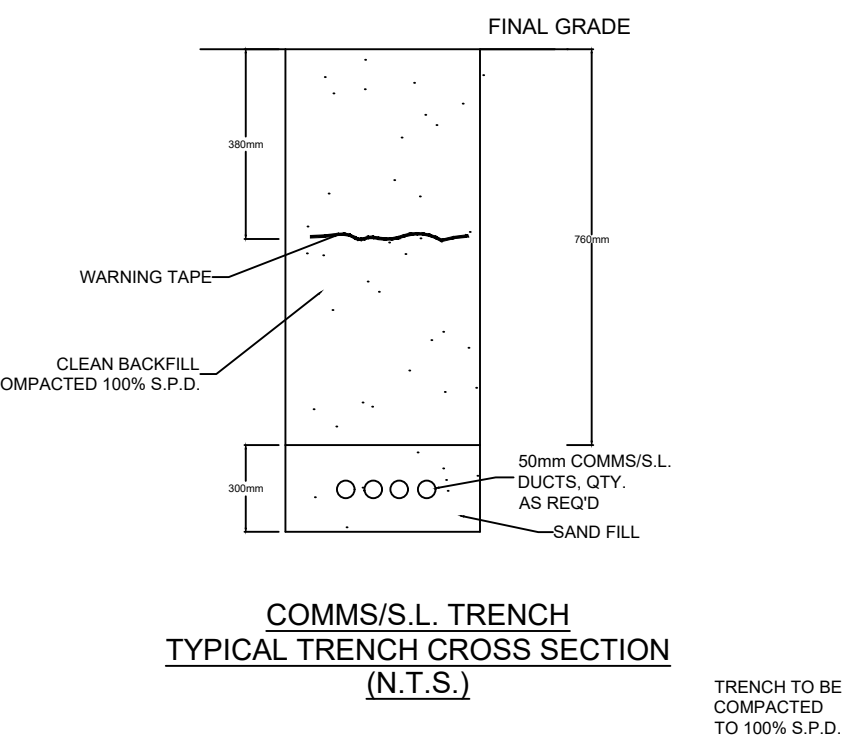
- ETL/cETL certificate
- IP66 Drive input voltage 120-247VAC
- Easy to install and operate
- Energy saving, long lifespan
- Offset bracket design, ±120° adjustable
- Green and eco-friendly without mercury

APPLICATION:

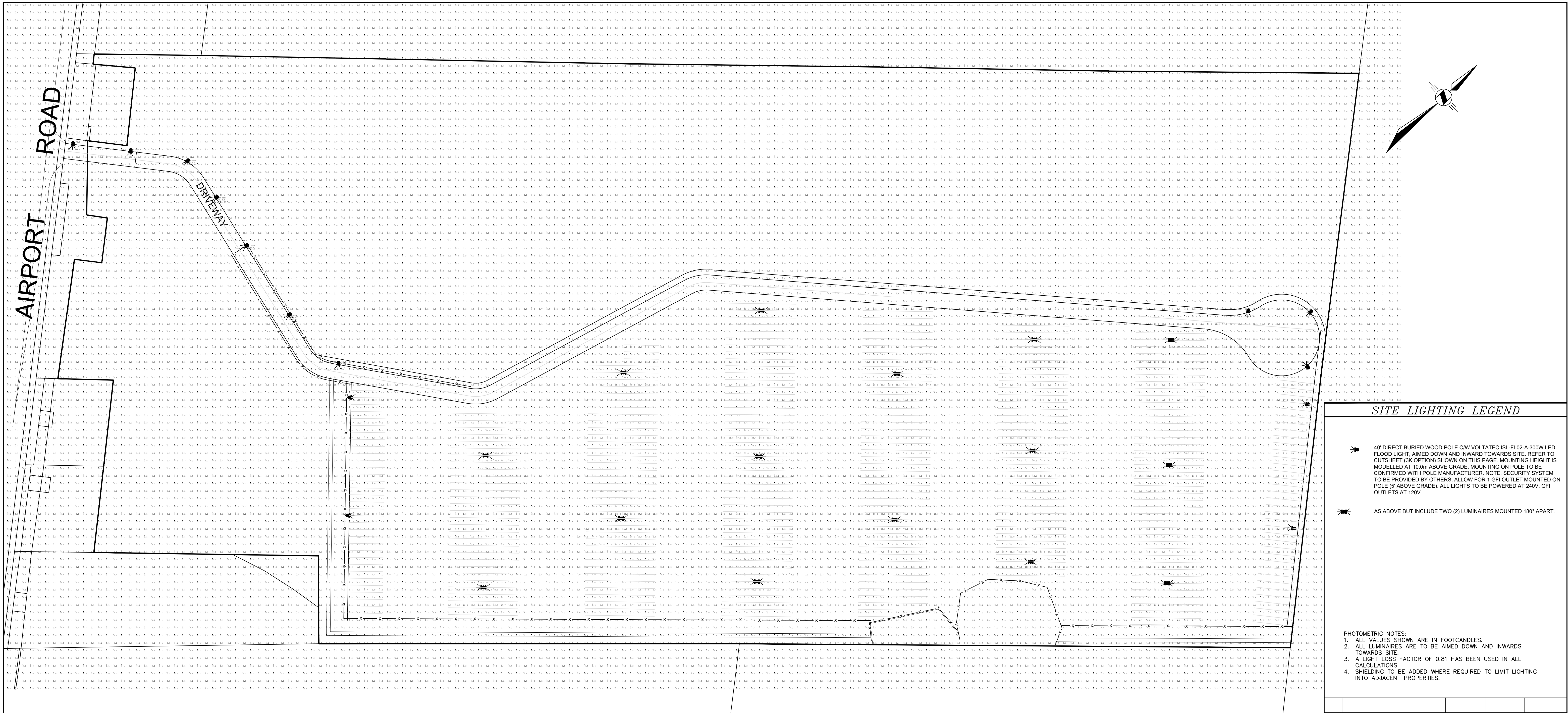
- Outdoor basketball court, tennis court, badminton court, the football field
- The school playground, stadium
- Community leisure entertainment plaza
- Warehouse, factory and workshops
- Highway toll station
- Meeting room, exhibition hall

DIMENSIONS:

200W 250W/300W



1-1



Specifications	
Model No	ISL-F02-A-200W ISL-F02-A-250W ISL-F02-A-300W
Power	200W-150W-100W ADJ 250W-200W-150W ADJ 300W-240W-200W ADJ
Lumen	16,000 - 30,000LM 22,000 - 36,000LM 30,000 - 45,000LM
Lumen efficiency	130lm/W 135lm/W 135lm/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	120-240V 50/60Hz 120-240V 50/60Hz 120-240V 50/60Hz
PF	>95 >95 >95
THD	<5% <5% <5%
Driver Model	SS-3000A-M SS-3000A-M SS-3000A-M
Heat Sink	SS-3000A-M SS-3000A-M SS-3000A-M
LED Type	SMC2835 SMC2835 SMC2835
LED Qty	144PCS 144PCS 144PCS
Mounting	Aluminum Aluminum Aluminum
Warranty	5 years 5 years 5 years

LED Flood light
CCT & Power Adjustable

ADVANTAGE:

- ETL/CE/CUL certificate.
- IP66 Driver, Input voltage 120-247VAC
- Easy to install and operate.
- Energy saving, long lifespan.
- Off-line dimming, 0-10V, adjustable.
- Green and eco-friendly without mercury.

APPLICATION:

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

LED Flood light
CCT & Power Adjustable

APPLICATION:

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

SITE LIGHTING LEGEND

40' DIRECT BURIED WOOD POLE CW VOLTATEC ISL-F02-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:
1. ALL VALUES SHOWN ARE IN FOOTCANDLES.
2. ALL LUMINAIRES ARE TO BE AIMED DOWN AND INWARDS TOWARDS SITE.
3. A LIGHT LOSS FACTOR OF 0.81 HAS BEEN USED IN ALL CALCULATIONS.
4. SHIELDING TO BE ADDED WHERE REQUIRED TO LIMIT LIGHTING INTO ADJACENT PROPERTIES.

R1	REVISED PER TOWN COMMENTS	2025.10.08	S.C.G.	
NO.	REVISION	DATE	MADE BY	CHECKED BY

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
Photometric Analysis

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

