



# GWAL

Goodkey Weedmark & Associates Ltd.

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May 2, 2022

#### VIA E-MAIL

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**ATTENTION: MR. YAZAN BILBEISI, RIBA, PMP, PGDIP (OXON), MARCH (UCL), MSC, BSC, MRAIC**

**SUBJECT: 30 FRANK NIGHBOR PLACE, KANATA - U-HAUL OF OTTAWA - NEW BUILD OUR PROJECT NO. 2022-237**

Dear Sir:

We have designed the site lighting for the four (4) new buildings for U-Haul of Ottawa, located at 30 Frank Nighbor Place, in accordance with the following guidelines as requested by the City of Ottawa:

1. It must be designed using only fixtures that meet the criteria for Full Cut-Off (Sharp cut-off) Classification, as recognized by the Illuminating Engineering Society of North America (IESNA or IES), and;
2. It must result in minimal light spillage onto adjacent properties. As a guideline, 0.5 fc is normally the maximum allowable spillage.

Yours very truly,

**GOODKEY, WEEDMARK & ASSOCIATES LIMITED**



James Moffat, P.Eng.  
Partner  
Senior Electrical Engineer  
JM/jnd

e.c.: Pyper Kennedy (GWAL – Electrical)

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Statistics						
Description	Symbol	Arg	Max	Min	Max/Min	Arg/Min
PROPERTY LINE - FC @ GRADE	X	0.0 R	0.5 C	0.0 R	N/A	N/A
SITE - FC @ GRADE	+	1.5 C	14.2 R	0.0 C	N/A	N/A

Schedule										
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
[Symbol]	F1	10	Lithonia Lighting	WST LED P1 40K WF MVOLT DOBXD	WST LED, Performance package 1, 4000 LED - 4000K COLOR TEMP K, visual comfort forward throw, MVOLT	LED - 4000K COLOR TEMP	WST_LED_P1_4 OK_VF_MVOLT.IES	1639	0.95	12
[Symbol]	F1E	14	Lithonia Lighting	WST LED P1 40K WF MVOLT DOBXD EL	WST LED, Performance package 1, 4000 LED - 4000K COLOR TEMP K, visual comfort forward throw, MVOLT	LED - 4000K COLOR TEMP	WST_LED_P1_4 OK_VF_MVOLT.IES	1639	0.95	12
[Symbol]	F2	1	Lithonia Lighting	WST LED P3 40K WF MVOLT DOBXD	WST LED, Performance package 3, 4000 LED - 4000K COLOR TEMP K, visual comfort forward throw, MVOLT	LED - 4000K COLOR TEMP	WST_LED_P3_4 OK_VF_MVOLT.IES	6609	0.95	50
[Symbol]	SD	2	Lithonia Lighting	DSX2 LED P4 40K 15W MVOLT DOBXD / 555 22 POLE WITH 3' BASE	DSX2 LED P4 40K 15W MVOLT	LED - 4000K COLOR TEMP	DSX2_LED_P4_4 OK_T5W_MVOLT.IES	34437	0.95	270
[Symbol]	SF	3	Lithonia Lighting	(2) DSX2 LED P12 40K 135 MVOLT HS 150090 DOBXD / 555 22 POLE WITH 3' BASE	TWIN-HEAD DSX2 LED P12 40K 135 MVOLT with housings shield with optics rotated 90 degrees left	LED - 4000K COLOR TEMP	[...]	27211.65	0.95	508
[Symbol]			Lithonia Lighting	(2) DSX2 LED P12 40K 135 MVOLT HS 150090 DOBXD / 555 22 POLE WITH 3' BASE	TWIN-HEAD DSX2 LED P12 40K 135 MVOLT with housings shield with optics rotated 90 degrees left	LED - 4000K COLOR TEMP	DSX2_LED_P12_4 OK_T5W_MVOLT.IES	27212	0.95	254
[Symbol]			Lithonia Lighting	(2) DSX2 LED P12 40K 135 MVOLT HS 150090 DOBXD / 555 22 POLE WITH 3' BASE	TWIN-HEAD DSX2 LED P12 40K 135 MVOLT with housings shield with optics rotated 90 degrees left	LED - 4000K COLOR TEMP	DSX2_LED_P12_4 OK_T5W_MVOLT.IES	27212	0.95	254