

Luminaire Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used.										
Symbol	Qty	Tag	Arrangement	Luminaire Lumens	Arr. Lum. Lumens	Luminaire Watts	Arr. Watts	LLF	Manufacturer	Description
	2	S1-4BC	Single	8437	8437	100	100	0.900	WHITEWAY LIGHTING	RAR-2-320L-110-4K7-4W-X-AX-X-BC
	3	S2-5	Back-Back	15454	30908	100.3	200.6	0.900	BEACON PRODUCTS	RAR-2-320L-110-4K7-5QW-X-AX-X (2@180)
	3	W1-4	Single	6646	6646	46.1	46.1	0.900	WHITEWAY LIGHTING	RWL2-160L-45-4K7-4-U

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Max/Min	Avg/Min	Description	
PROPERTY LINES	Illuminance	Fc	0.17	0.9	0.0	N.A.	N.A.	READINGS @ GRADE	
PROPERTY_Planar	Illuminance	Fc	1.28	3.8	0.0	N.A.	N.A.	READINGS @ GRADE	
PARKING & DRIVES	Illuminance	Fc	1.99	3.8	0.3	12.67	6.63	READINGS @ GRADE	

Luminaire Location Summary					
LumNo	Tag (Qty)	Label	Mtg Ht	Orient	Tilt
1	S1-4BC (1)	RAR-2-320L-140-4K7-4-BC	20	193	0
2	S1-4BC (1)	RAR-2-320L-140-4K7-4-BC	20	193	0
4	S2-5 (2)	RAR2-320L-140-4K7-5QW	20	194	0
5	S2-5 (2)	RAR2-320L-140-4K7-5QW	20	193	0
6	S2-5 (2)	RAR2-320L-140-4K7-5QW	20	14	0
7	W1-4 (1)	RWL2-160L-45-4K7-4W	16	284	0
8	W1-4 (1)	RWL2-160L-45-4K7-4W	16	284	0
9	W1-4 (1)	RWL2-160L-45-4K7-4W	16	192	0



Scale: 1 inch= 30 Ft.

NOTES

PG-ENLIGHTEN IS NEITHER LICENSED NOR INSURED TO DETERMINE CODE COMPLIANCE. CODE COMPLIANCE REVIEW BY OTHERS.

ANY VARIANCE FROM REFLECTANCE VALUES, OBSTRUCTIONS, LIGHT LOSS FACTORS OR DIMENSIONAL DATA WILL AFFECT THE ACTUAL LIGHT LEVELS OBTAINED.

THIS ANALYSIS IS A MATHEMATICAL MODEL AND CAN BE ONLY AS ACCURATE AS IS PERMITTED BY THE THIRD-PARTY SOFTWARE AND THE IES STANDARDS USED.

FIXTURE TYPES AND QUANTITIES MAY CHANGE BASED ON UNKNOWN OBSTRUCTIONS OR FIELD CONDITIONS. THESE CHANGES MAY RESULT IN AN INCREASED QUANTITY OF FIXTURES.

FIXTURE TYPES AND QUANTITIES BASED ON PROVIDED LAYOUT AND DRAWINGS ARE FOR REFERENCE ONLY. TYPES AND QUANTITIES MAY CHANGE WITH FUTURE REVISIONS.

CALCULATION GRID VALUES 10'-0" O.C.

PARKING LOT DESIGN GUIDE	MAINTAINED HORIZONTAL		MAINTAINED VERTICAL		MAXIMUM	
	AVERAGE (FC)	RANGE (FC)	AVERAGE (FC)	RANGE (FC)	AVG:MIN	MAX:MIN
PARKING (UNCOVERED) ZONE 3 (URBAN)	1.5	0.75 - 3	0.8	0.4 - 1.6	4:1	15:1
PARKING (UNCOVERED) ZONE 2 (SUBURBAN)	1	0.5 - 2	0.6	0.3 - 1.2	4:1	15:1
SAFETY (BUILDING EXTERIOR)	1	0.5 - 2	-	-	FOR SECURITY ISSUES, RAISE AVG. TO 3	

SIMPLIFIED RECOMMENDATIONS BASED ON IES 'THE LIGHTING HANDBOOK' 10TH EDITION AND IES RP-20-14. INDIVIDUAL APPLICATIONS WILL DETERMINE SPECIFIC RECOMMENDATIONS. PLEASE REFER TO THE MOST RECENT HANDBOOK FOR A MORE DETAILED EVALUATION AND ADDITIONAL APPLICATIONS. THESE RECOMMENDATIONS DO NOT SUPERCEDE ANY APPLICABLE CODES.



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1	2	3
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REVISIONS

PROJECT NAME:
4S040 ROUTE 59 SITE

CLIENT NAME:
TEBRUGGE ENGINEERING

Date: 10/5/2022
Page 1 of 1