

9 MARCH 2023

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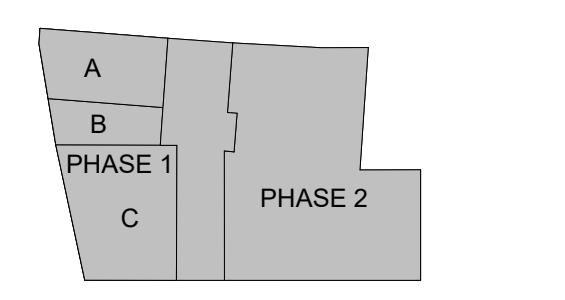
Design Development 06.30.22



ASANA PARTNERS  
ASANA PARTNERS

1616 Camden Road Suite 210  
Charlotte, NC 28203

KEYPLAN



ISSUE CHART

MARK ISSUE DATE  
Job Number 2206  
TITLE

SITE LIGHTING AND  
OUTLET PLAN

SHEET NUMBER

L501

## LIGHTING AND OUTLET PLAN NOTES

1. SEE MEP PLANS AND SPECIFICATIONS FOR LIGHT FIXTURE DOCUMENTATION.

## LEGEND

- LIMIT OF WORK  
● LA1 - SEE MEP DOCUMENTATION  
■ LA2 - SEE MEP DOCUMENTATION  
△ LA3 - SEE MEP DOCUMENTATION  
○ LA4 FIXTURE AND POLE - SEE MEP DOCUMENTATION



1 SITE LIGHTING AND OUTLET PLAN  
L501  
1' = 10'-0"

0' 10' 20'  
NORTH SCALE: 1'= 10'-0"



Luminaire Schedule							
Qty	Label	Arrangement	Lumens	Input Watts	LLF	BUG Rating	Description
1	LE-A	GROUP	N.A.	0.850	N.A.		RAGNI IRYS-3000K/CIR10-1COB-700mA@14FT/53°/CIR12-2COB-350mA@15.5FT/57°/CIR11-2COB-500mA@17FT/60°/CIR10-2COB-500mA@18.5FT/60°
1	LE-B	GROUP	N.A.	0.850	N.A.		RAGNI IRYS-3000K/CIR11-1COB-500mA@14FT/51°/CIR12-1COB-500mA@15.5FT/47°/CIR10-1COB-350mA@17FT/54°/CIR10-2COB-500mA@18.5FT/61°
1	LE-C	GROUP	N.A.	0.850	N.A.		RAGNI IRYS-3000K/CIR10-1COB-700mA@14FT/60°/CIR11-2COB-350mA@15.5FT/66°/CIR11-3COB-350mA@17FT/60°/CIR10-2COB-500mA@18.5FT/62°
1	LE-D	GROUP	N.A.	0.850	N.A.		RAGNI IRYS-3000K/CIR12-1COB-350mA@14FT/47°/CIR10-3COB-350mA@15.5FT/70°/CIR10-3COB-700mA@17FT/72°/CIR12-1COB-700mA@18.5FT/53°

Calculation Summary						
Label	Grid Height	Avg	Max	Min	Avg/Min	Max/Min
PLAZA	0	3.15	5.9	1.1	2.86	5.36

**GENERAL DISCLAIMER:**  
Calculations have been performed according to IES standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, manufacturing variations, and other factors such as room dimensions, reflectances, furniture and architectural elements.

\* LLF Determined Using Current Published Lamp Data

**NOTE TO REVIEWER:**  
Total Light Loss Factor (LLF) applied at time of design is determined by applying the Lamp Lumen Depreciation (LLD) factor from lamp manufacturer's catalog, a Luminaire Dimming Factor (LDF) based on IES recommended values, and a Ballast Factor (BF) from current ballast specification sheets. Application of an incorrect Light Loss Factor (LLF) will result in forecasts of performance that will not accurately depict actual results.

For proper comparison of photometric layouts, it is essential that you insist all designers use correct Light Loss Factors.



PROJECT TITLE:  
**DAVIS SQUARE PLAZA**

DRAWING TITLE:  
**SITE LIGHTING PHOTOMETRIC CALCULATION WITH AIMING**

FILE NAME: SL-1 DAVIS SQUARE PLAZA 09-10-2021 LED WITH AIMING.dwg

SCALE : 1"-10'-0"  
DATE: 9/13/21  
DRAWN BY: LED  
SHEET:  
**SL-1**



JOB NAME: DAVIS SQUARE PLAZA  
APEX LIGHTING SOLUTIONS  
WORKPLANE/CALC PLANE: AT FINISH GRADE  
HOUSING HEIGHT: SEE LUMINAIRE SCHEDULE  
APPS: LED  
SALES: IR  
SPECIFIER: PERKINS & WILL

Luminaire Schedule							
Qty	Label	Arrangement	Lumens	Input Watts	LLF	BUG Rating	Description
1	LE-A	GROUP	N.A.	0.850	N.A.	RAGNI IY-S-3000K/CIR10-1COB-700mA@14FT/53°/CIR12-2COB-350mA@15.5FT/57°/CIR11-2COB-500mA@17FT/60°/CIR10-2COB-500mA@18.5FT/60°	
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Calculations have been performed according to IES standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and other factors such as fixture placement, fixture variations, input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environmental conditions do not match the input data, differences will occur between measured values and calculated values.

\* LLF Determined Using Current Published Lamp Data

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For proper comparison of photometric layouts, it is essential that you insist all designers use correct Light Loss Factors.



LIGHTING SOLUTIONS  
THE POINT WHERE ALL ASCENDING LINES CONVERGE

telephone 860.632.8766  
www.apexlightingsolutions.com

PROJECT TITLE:  
DAVIS SQUARE PLAZA

SCALE : 1"-10'-0"

DRAWING TITLE:  
SITE LIGHTING  
PHOTOMETRIC CALCULATION

DATE: 9/13/21

DRAWN BY: LED

SHEET:

SL-1