

Scale: 1 inch= 8.00 Ft.

**LIGHTING DETAILS:**

Luminaire Schedule						
Label	Symbol	Qty	LLF	Description	Arrangement	Arrangement Luminaire Lumens
F1		4	1.000	500 Watt NextGen III	Twin	125468

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Grid Z
PAD_Top_1	Illuminance	Fc	56.38	96.7	31.4	-0.1
Tennis Court_1_Surface_1	Illuminance	Fc	72.68	89.9	56.4	0
Tennis Court_Surface_1	Illuminance	Fc	72.68	89.9	56.4	0

**DESIGN NOTES:**

- 500 watt NextGen
- 25' pole
- 2 head bullhorn for slip fit mount
- Full cutoff optics

Note on this Design: This report makes no representations in regard to Lighting Design or Specification, rather it attempts to accurately reflect the photometric results of a design, as approved by others.

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. All digital CAD data appear to be accurate, however, this apparent accuracy is an artifact of the techniques used to generate it and is in no way intended to imply accuracy in the real world.

There are many factors that will impact the actual performance of Lighting in the constructed space, including: the accuracy of the original source (.ies) files supplied by the manufacturer, input voltage ballast variances, actual finish values in the constructed environment, manufacturing variations in both the source (lamp) and the luminaire, final luminaire placement, obstructions, and installation quality. Further, field measurement itself is subject to errors arising from measuring methods and/or technology selected, and the knowledge/ability of the measuring party. While the creator of this lighting study makes every effort to ensure accuracy, they cannot be held liable for any errors. The recipient of this lighting study understands and accepts that the likelihood of scaling error increases when no .DWG file or other properly-dimensioned drawing is provided to the designer.

Reflective Values have a significant effect on light levels, the end-user of the document should confirm these values before accepting the results of any photometric report. The managing contractor/architect/engineer is responsible for ensuring compliance to all relevant lighting ordinance(s) and energy codes required on this project.

**SPEC SHEET & RENDERS**

**TYPE F1**

**500W NextGen III LED PARKING LOT LIGHT**

**PRODUCT DESCRIPTION**

The Top Rated NextGen Series Gets Better! The NextGen III Series has 1400 Lumens per Watt, higher Vp driver and is DLC E-1 Premium Rated! New pop open Compartment for full access and optional easy install Motion Sensor that can be programmed by a remote.

**DLC # 901-NEXTGEN-500**

**PRODUCT FEATURES & COMMON USE APPLICATIONS**

- UL, cUL, DLC-VIS (Premium) certification
- Bridgeable Chip, high CRI
- Input voltage 120-277VAC
- Output constant current level can be adjusted through output cable with 0-500mA
- No UV or IR in the beam
- Easy to install and operate
- Energy saving, long lifespan
- Light is soft and uniform, safe to eyes
- Instant start, NO Flickering, NO humming
- Green and eco-friendly without mercury

**PRODUCT DIMENSIONS**

**500W NextGen III LED PARKING LOT LIGHT**

**PRODUCT TECHNICAL SPECIFICATIONS**

Input Power (Reference - 1.00%)	100W(400/300/200 Watt/Voltage Selection)
Color Temperature	5000K
Color Rendering Index (CRI)	90
Efficiency (Reference - 3%)	135-140lm/W
Beam Spread	120°
Color Consistency	<7 Steps per <7 100M
Beam	8x20/50°
Diffuser Type	Type III
Beam Angle (90°) (Reference)	140°/100 degrees
Input Voltage and Frequency	120-277VAC, 50/60Hz
Warranty	5YR
LED Type	COB
LED Quantity	120/120
Wicker Percent	CSN
Driver Brand	Sorbus VP series
Driver Model	Sorbus VP series
Driver Surge protection	ULN 781, 781C, 48V, 48V
Shielding	D-3000 shielding standard
Optional Accessory	Photoelectric, surge protection device, DC Motion Microwave sensor, DC Motion/PIR sensor, photocell receptacle, shorting cap
LED Brand	Epistar
LED Type	5050SMD
LED Qty	120/120
Housing	Die cast aluminum III
Mounting Color	Black, White, or Customized
Waterproof Rating	IP67 (IP65)
Operating Temperature	Min: -40°C Max: 40°C (IP 67)
Storage Temperature	-40°C to 80°C
Operating Humidity	20% - 90% RH
Storage Humidity	20% - 90% RH
Warranty	5 year warranty with 24/7 operating hours Luminaire lifetime and 24/7 support

**RuggedGrade Straight Square Steel Light Poles, 4" and 5"**

The Straight Square Steel poles are built from high strength steel pipe and are available in 4" and 5" diameters. They are designed to meet or exceed all applicable codes and standards. The poles are available in 25' and 30' heights. The poles are available in 4" and 5" diameters. The poles are available in 25' and 30' heights. The poles are available in 4" and 5" diameters. The poles are available in 25' and 30' heights.

**Specifications and Features: Pole**

Material: Galvalume Steel (4" and 5" diameters)

Finish: Powder Coat (4" and 5" diameters)

Anchor Bolt: 1/2" x 12" (4" and 5" diameters)

Head Hole: 1/2" x 12" (4" and 5" diameters)

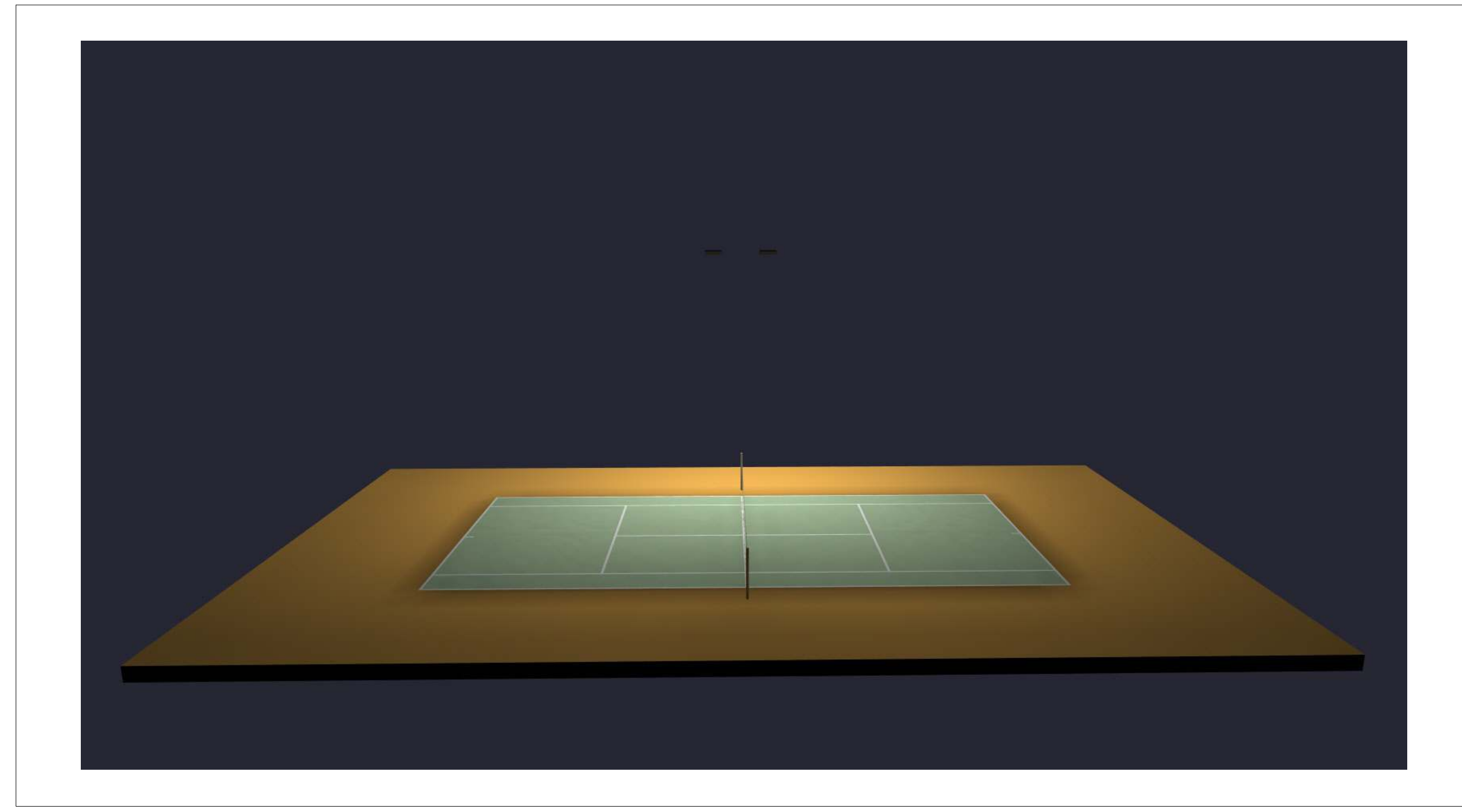
Base Cover: 1/2" x 12" (4" and 5" diameters)

**Mounting Options:**

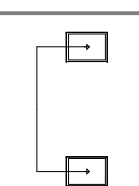
1. Standard mounting (4" and 5" diameters)

2. Custom mounting (4" and 5" diameters)

Contact Information: 888-953-2476 or Sales@RuggedGrade.com



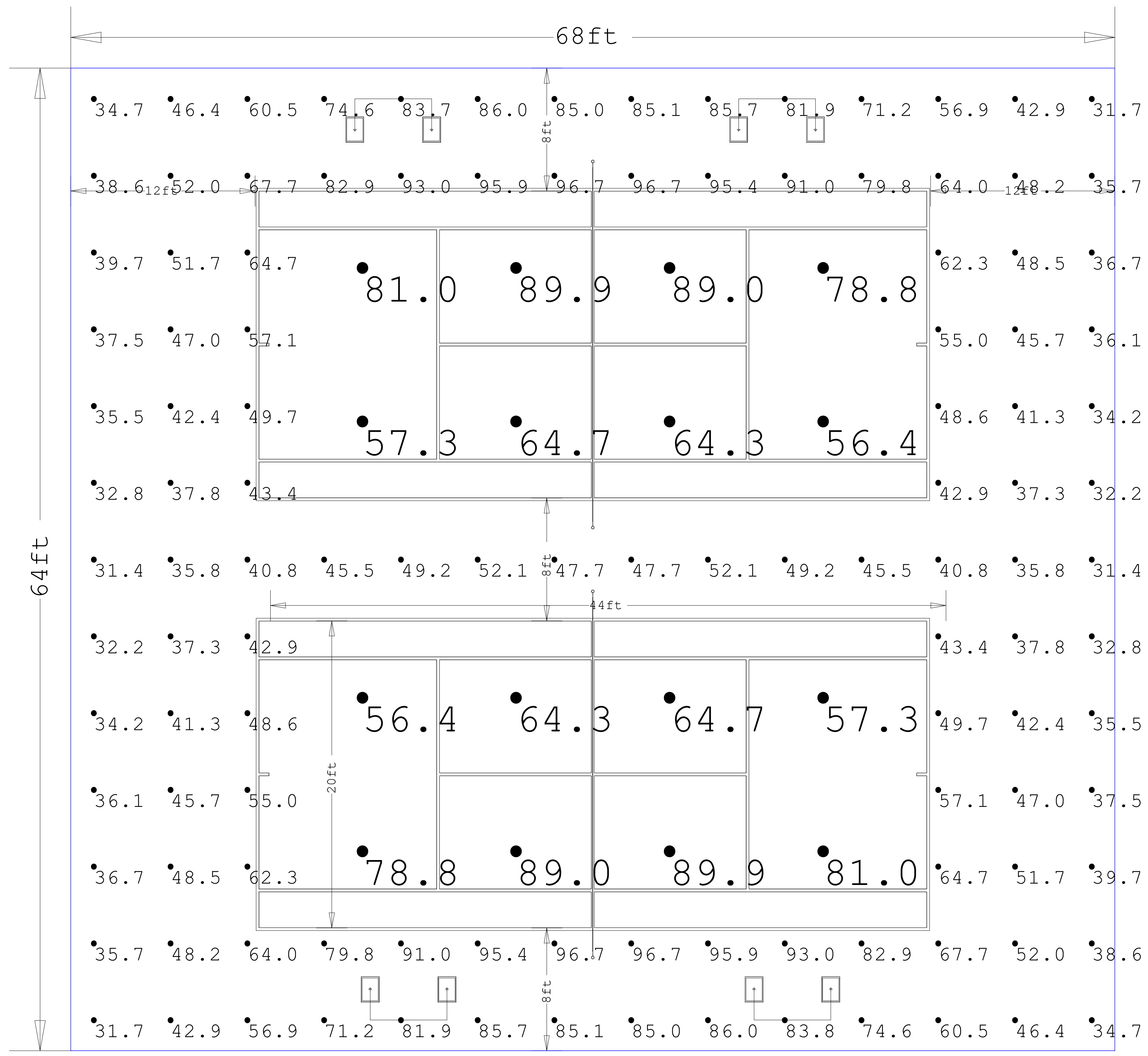
**RENDERING**

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Description	LLF	Lumens	Watts
	4	F1	Twin	500 Watt NextGen III	1.000	62734	496.25

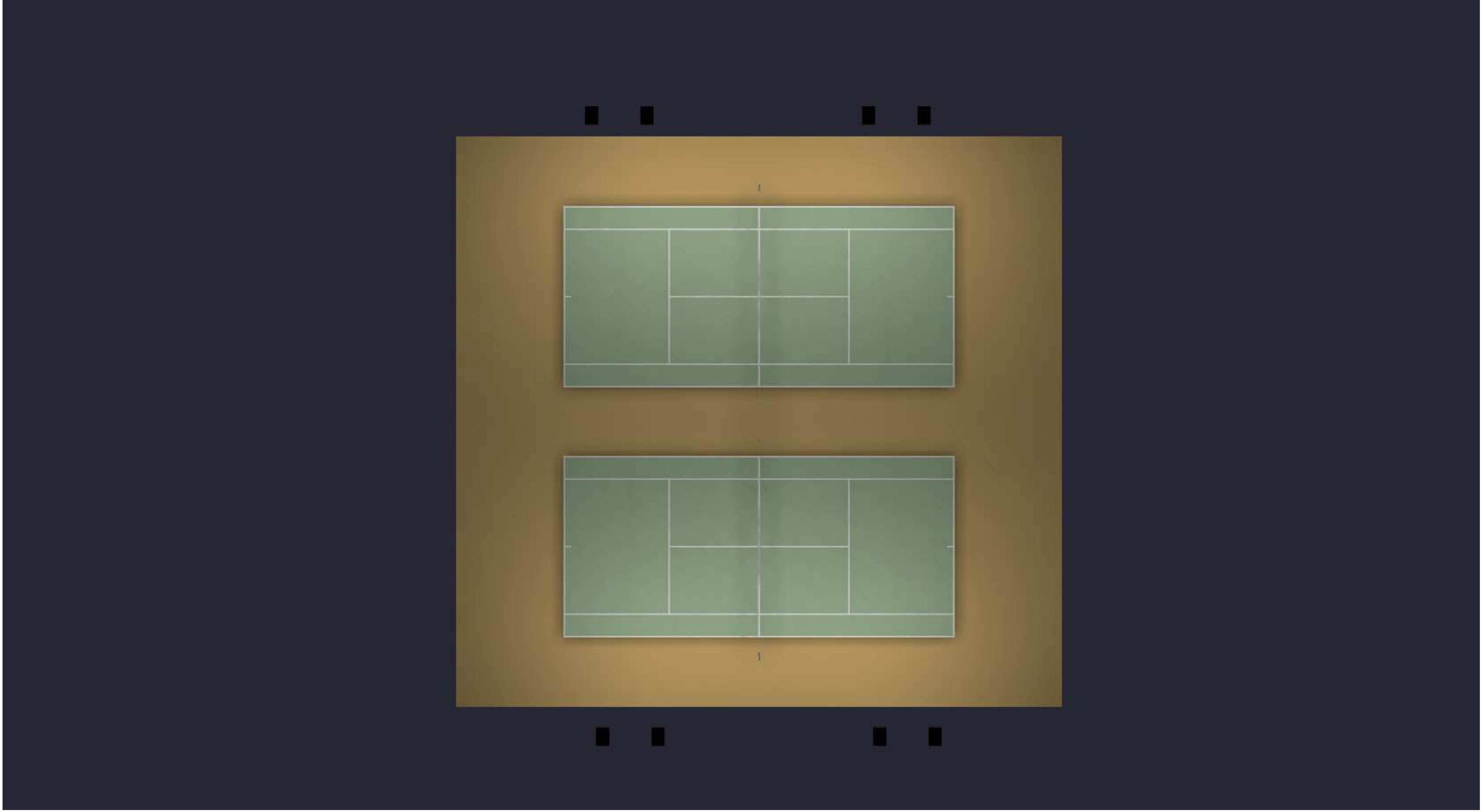
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PAD_Top_1	Illuminance	Fc	56.38	96.7	31.4	1.80	3.08
Tennis Court_1_Surface_1	Illuminance	Fc	72.68	89.9	56.4	1.29	1.59
Tennis Court_Surface_1	Illuminance	Fc	72.68	89.9	56.4	1.29	1.59

Expanded Luminaire Location Summary									
LumNo	Label	Insertion Point			Luminaire Coordinates			Orient	Tilt
		X	Y	Z	X	Y	Z		
1	F1	21	62	21.5	23.5	60	21.5	270	0
1	F1	21	62	21.5	18.5	60	21.5	270	0
2	F1	22	2	21.5	19.5	4	21.5	90	0
2	F1	22	2	21.5	24.5	4	21.5	90	0
3	F1	46	62	21.5	48.5	60	21.5	270	0
3	F1	46	62	21.5	43.5	60	21.5	270	0
4	F1	47	2	21.5	44.5	4	21.5	90	0
4	F1	47	2	21.5	49.5	4	21.5	90	0

Object Summary		
Label	Type	Description
PAD	Rect-Flat	64' X 68' RED CLAY PAD
Tennis Court	Group	RESIZED TO 44'; X 20' PICKLBALL
Tennis Court1	Group	RESIZED TO 44'; X 20' PICKLBALL



# 70 x 40 Pickleball Template



Date:8/25/2025

Drawn By: MS

Revision #:

# 70 x 40 Pickleball Template

