

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 VF driver and is DLC E-3 Premium Rated! New pop open compartment for full access and optional easy to install Motion Sensor that can be programmed by a remote.

DLC # 901 NEXTGEN E30

PRODUCT FEATURES & COMMON USE APPLICATIONS

- UL, cUL, DLC-E3 (Premium) certification
- Bridgeless Chip, high CRI
- Input voltage 120-277VAC
- Output constant current level can be adjusted through output cable with 0-200V
- 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

Common use applications:
 • Outdoor basketball court, tennis court, badminton court, the football field
 • The school playground, stadium
 • Community leisure & entertainment places, road lamp etc.

PRODUCT DIMENSIONS

500W Nextgen III | LED PARKING LOT LIGHT

PRODUCT TECHNICAL SPECIFICATIONS

Input Power (Reference - 1.00%)	500W(400/500/600 Watt/Voltage Selection)
Color Temperature	5000K
Color Rendering Index (CRI)	90 CRI/95 CRI/99 CRI/100 CRI/100 CRI/100 CRI/100 CRI
Efficiency (Reference - 3%)	135-140LM/W
Beam Angle	70°
Color Consistency	<7 Stage for <7 100M
Life	50,000Hrs
Driver Type	Class B
Beam Angle (90°) (Reference)	140-150 Degree
Input Voltage and Frequency	120-277VAC, 50/60Hz
VF (Reference - 3%)	20V
TED (Temperature < 5%)	<20%
Wicker Percent	<5%
Driver Brand	Mean Well series
Driver Model	Super VF series
Driver Surge protection	ULN 781, 781A, 825, 84V
Shielding	D-3000 shielding standard
Optional Accessory	Photometric, Surge protection Device, DC Motion Microwave sensor, DC Motion IR sensor, photocell receptacle, shorting cap

MATERIALS

LED Brand	Epistar
LED Type	5050SMD
LED Qty	60/60/60
Housing	Die cast Aluminum III
Finishing Color	Black, Silver, or Customized
Waterproof Rating	IP67 (IP65)
Operating Temperature	Min: -40°C Max: 40°C (T2 40°C)
Storage Temperature	-40°C to 80°C
Operating Humidity	20% - 90% RH
Storage Humidity	20% - 90% RH
Warranty	2 year warranty with 24/7 operating hours Luminaire lifetime and 5 year warranty

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 40' and 50' heights. They are available in 4" and 5" diameters. The poles are available in 4" and 5" diameters. The poles are available in 4" and 5" diameters.

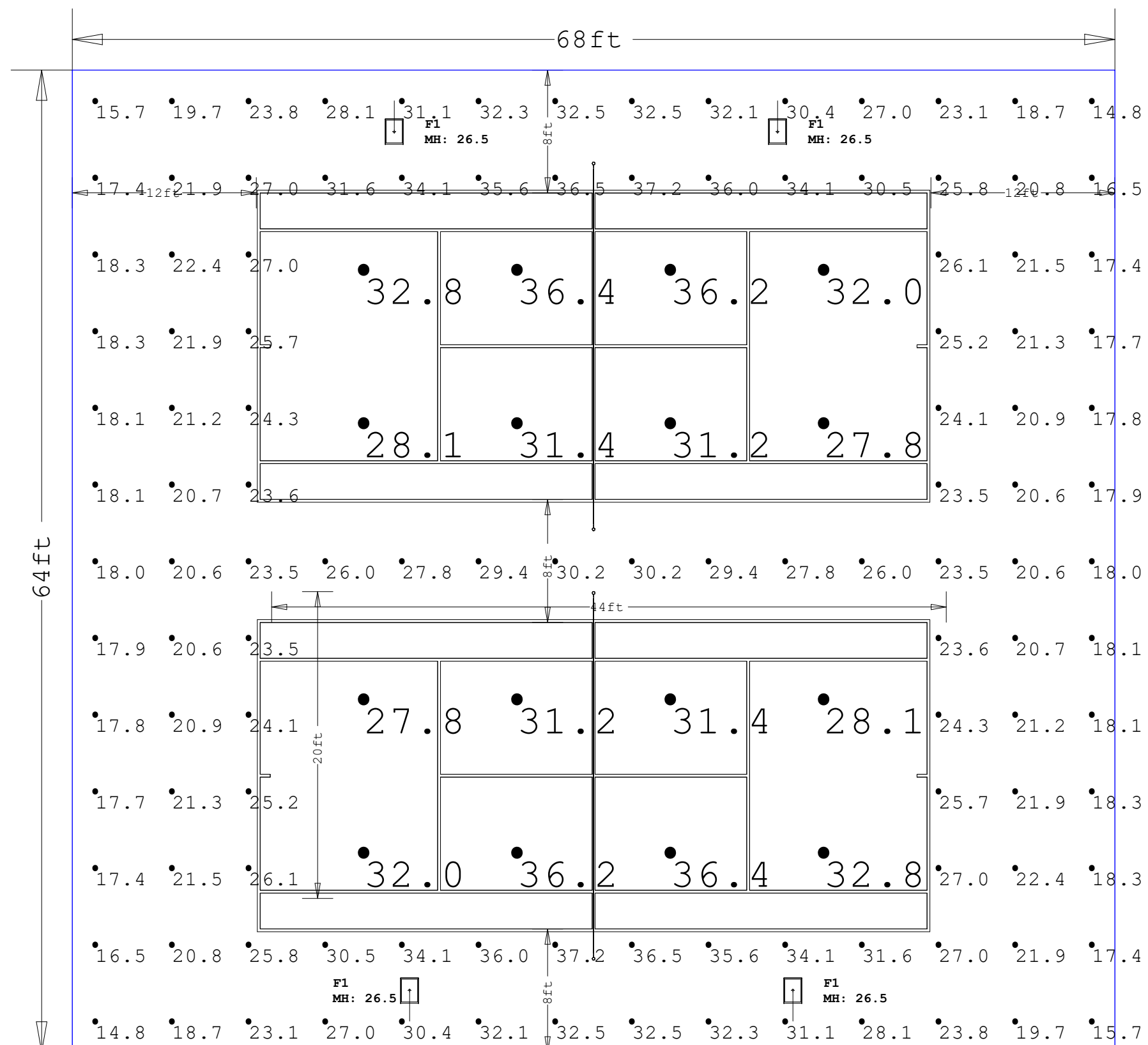
Specifications and Features:

- Material: 4094L Steel
- Finish: Powder Coat
- Anchor Bolt: 1/2" Dia
- Head Hole: 1/2" Dia
- Base Cover: 1/2" Dia

Mounting Options:

- 1. 4" Dia Pole can be used for 4" Dia Light Pole
- 2. 5" Dia Pole can be used for 4" Dia Light Pole
- 3. 5" Dia Pole can be used for 5" Dia Light Pole

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



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	Single	62734

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Grid Z
PAD_Top_1	Illuminance	Fc	24.68	37.2	14.8	-0.1
Tennis Court_1_ Surface_1	Illuminance	Fc	31.99	36.4	27.8	0
Tennis Court_Surface_1	Illuminance	Fc	31.99	36.4	27.8	0

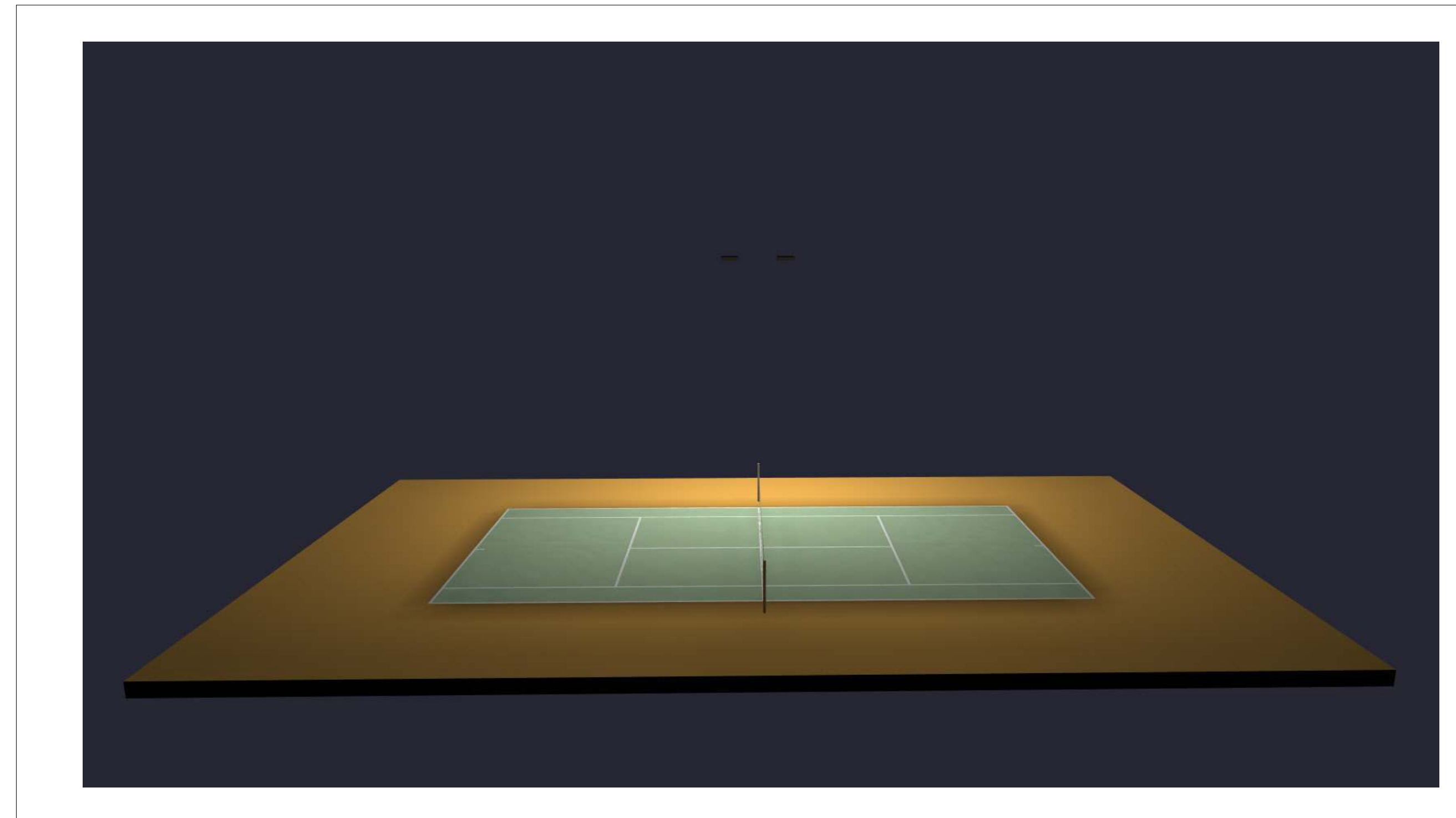
- DESIGN NOTES:**
- NextGen 500W
 - 25' Straight Square Steel Pole
 - Tenon top pole for slip fit mount
 - Full cutoff optics

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.

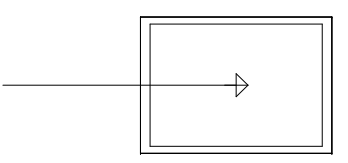
This analysis is a mathematical model and can be only as accurate as is permitted by the third-party software and the IES standards used. All digital CAD data appear to be accurate, however, this apparent accuracy is an artifact of the techniques used to generate it and is in no way intended to imply 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.



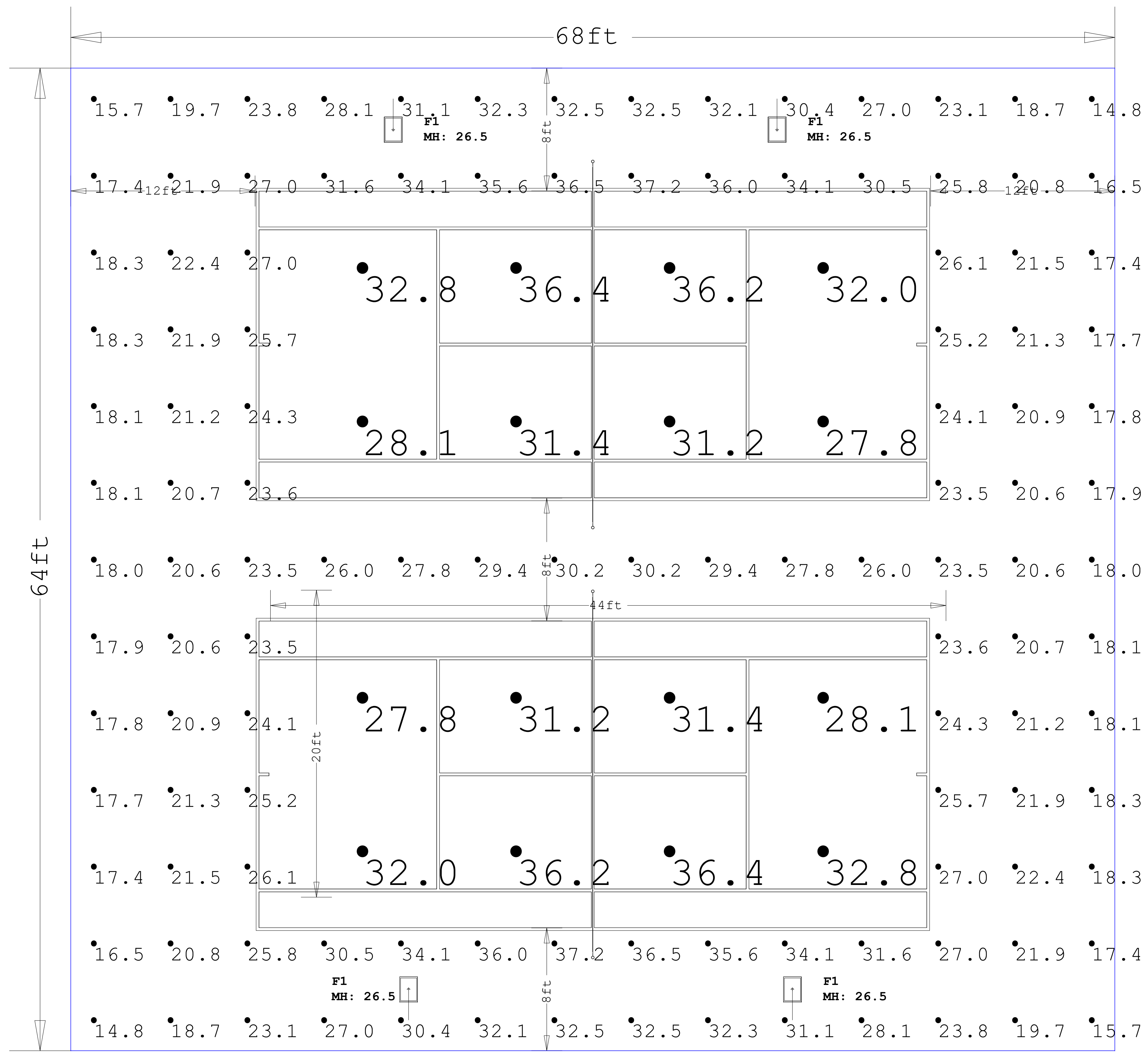
RENDERING

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

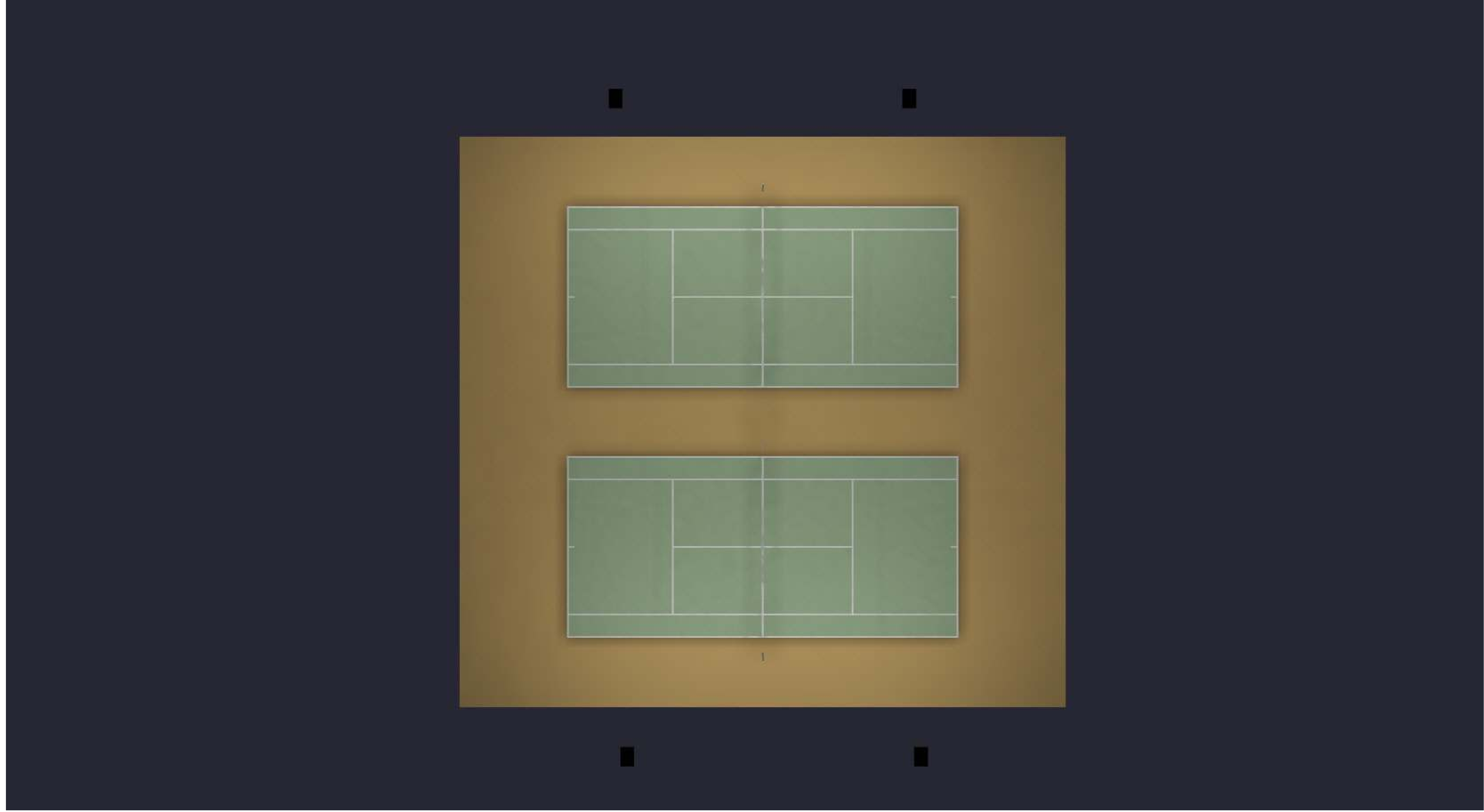
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PAD_Top_1	Illuminance	Fc	24.68	37.2	14.8	1.67	2.51
Tennis Court_1_Surface_1	Illuminance	Fc	31.99	36.4	27.8	1.15	1.31
Tennis Court_Surface_1	Illuminance	Fc	31.99	36.4	27.8	1.15	1.31

Expanded Luminaire Location Summary									
LumNo	Label	Insertion Point			Luminaire Coordinates			Orient	Tilt
		X	Y	Z	X	Y	Z		
1	F1	21	62	26.5	21	60	26.5	270	0
2	F1	22	2	26.5	22	4	26.5	90	0
3	F1	46	62	26.5	46	60	26.5	270	0
4	F1	47	2	26.5	47	4	26.5	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

