



Luminaire Schedule						
Label	Symbol	Qty	LLF	Description	Luminaire	Luminaire
					Watts	Lumens
A1		4	1.000	NextGen 4 300W T3	297.43	42839
SP2		2	1.000	StadiumPro IV 1400W 40D	1398.9	196265
SP1		4	1.000	StadiumPro IV 1400W 20D	1344.03	197814

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Grid Z
Object_1_Top_1	Illuminance	Fc	20.30	30.2	8.4	0
Object_6_Top	Illuminance	Fc	5.46	28.4	0.4	0
StatArea_100'	Illuminance	Fc	17.62	28.4	6.0	
StatArea_100' - 200'	Illuminance	Fc	5.83	11.5	2.5	
StatArea_200' - 300'	Illuminance	Fc	2.18	3.7	1.1	

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

300W NextGen IV Series | LED SHOEBOX LIGHT

PRODUCT DESCRIPTION

The Top Rated NextGen Series Gets Bigger! The NextGen IV Series has 140+ Lumens per Watt, bigger VP driver and is DLC E1 Premium Rated Next Gen open Compartment for fast access and colored easy twist in Motion Sensor that can be programmed by a remote.

Part #RL-NEXTGEN-300W

PRODUCT FEATURES & COMMON USE APPLICATIONS

- > Lumileds Chip, 120-277VAC;
- > Output voltage 120-277VAC;
- > Input constant current level can be adjusted through output cable with 4-10V;
- > No UV or IR in the beam;
- > Easy to install and operate;
- > Energy saving, long lifetime;
- > Light is soft and uniform, safe to eyes;
- > Instant start, NO Flickering, NO humming;
- > Green and eco-friendly without mercury.
- > Outdoor basketball court, tennis court;
- > Backdrop, court, the football field;
- > The school playground, stadium;
- > Community leisure entertainment plaza, road lamp etc.

PRODUCT DIMENSIONS

Technical drawings of the LED Shoebox Light showing front, side, and top views for models IV, IV-E, IV-F, IV-E1, and IV-E2. Dimensions are provided in inches and millimeters.

Support direct sales
info@ruggedcircle.com

LEGENDARY

USA SUPPORT

888-275-0775
info@ruggedcircle.com

TYPE A1

1400W STADIUMPRO IV SERIES LED SPORT LIGHT					
PRODUCT TECHNICAL SPECIFICATIONS					
OPTICAL	Input Power (Efficiency >97%)	1400W (Voltage Adjustable Range 25% -100%)			
	Color Temperature	4000K	4800K 5000K 5700K		
	Beam Spread (Beam Angle >15°)	110°x60° LMW	110°x60° LMW 120°x50° LMW 120°x100° LMW		
	Efficiency (Efficacy >23%)	141 LMW	142 LMW 143 LMW 144 LMW		
	CRI	>90			
	Color Consistency	± 6 Steps (at < 6.00CM)			
ELECTRICAL	IEC5	IEC60598			
	Distribution Pattern	NEMA 4			
	Beam Angle (25°) Temperature <75°	120-277 VAC 50/60Hz			
	Input Voltage and Frequency	PT (Efficiency >2%)			
	THD (Efficiency >97%)	THD			
	Flicker Percent	< 5%			
	Driver Brand	LED-28-C212-EN6050074PCS			
	Driver Model	LED-28-C212-EN6050074PCS			
	Driver Temp protection	120-277 VAC 50/60Hz			
	Dimming	0-10V dimming (optional)			
OTHERS	Sensor Type	Infrared Sensor Photocell/External Photocell			
	Control	Remote Photocell Photocell Sensor Photocell Remote Cut-Off			
	LED Brand	Single chip SMD			
	Beam Angle	60°x120°			
	LED Type	SMD5050			
	Housing	6063-T6 aluminum			
OTHERS	Housing Color	Black (Black or Customized)			
	Mounting Bracket	N/A			
	Operating Temperature	-40°C TO 40°C			
	Storage Temperature	-40°C TO 40°C			
	Operating Humidity	20% - 90% RH			
	Weight	1.5kg / 3.3lb			
PRODUCT MOUNTS & ACCESSORIES					
					
					
Request our catalog info@ruggedgrade.com		800.375.3172 1400W@ruggedgrade.com			

TYPE SP1

1400W STADIUMPRO IV SERIES | LED SPORT LIGHT

 Fingert
brand

PRODUCT TECHNICAL SPECIFICATIONS

		Input Power (Tolerance +10%)	1400W (Voltage Adjustable Range 25% -100%)	
		Color Temperature	5000K / 5500K	5500K
		Lumen (Tolerance +10%)	197400 LM 108800 LM	202000 LM 210000 LM
		Efficiency (Tolerance -5%)	141 LM/W 142 LM/W	143LM/W 144 LM/W
OPTICS		CRI	>90	
		Color Constancy	-0. Steps for (-0.5000)	
		Bead	90°x45°	
		Distribution Pattern	NEMA4	
		Beam Angle (30°) (Tolerance +15%)	45°	
ELECTRONIC		Input Voltage and Frequency	120/277 VAC, 50/60Hz	
		IP Rating (Protection)	IP65	
		LED (Tolerance +10%)	20%	
		Flicker Percent	<1%	
		Driver Brand	POWERTRONIX	
		Driver Type Model	BLD-S3S-G12-ENL-A0000-WPCB	
		Driver Thermal Protection	1.A.M.B.T. 12V 150W	
		Overvoltage	0-10V dimming standard	
		Dimmer Type	0-10V Dimming Standard Protocol	
		Optional Accessories	Sensor Relaisable Photocell, Sensor Receptacle Start Cap, Emergency Battery	
MATERIALS		LED Brand	OSRAM	
		LED Type	SM380303	
		LED CUV	T-22 PCB	
		Housing	Die Cast Aluminum	
OTHERS		Mounting Options	Recessed, Cut or Customized	
		Waterproof Rating	IP65 / IP65+	
		Operating Temperature	-40°C TO 45°C	
		Storage Temperature	-20°C TO 40°C	
		Operating Humidity	20%-90% RH	
		Storage Humidity	20%-90% RH	
		Warranty	5 years	

PRODUCT MOUNTS & ACCESSORIES

FM

AM

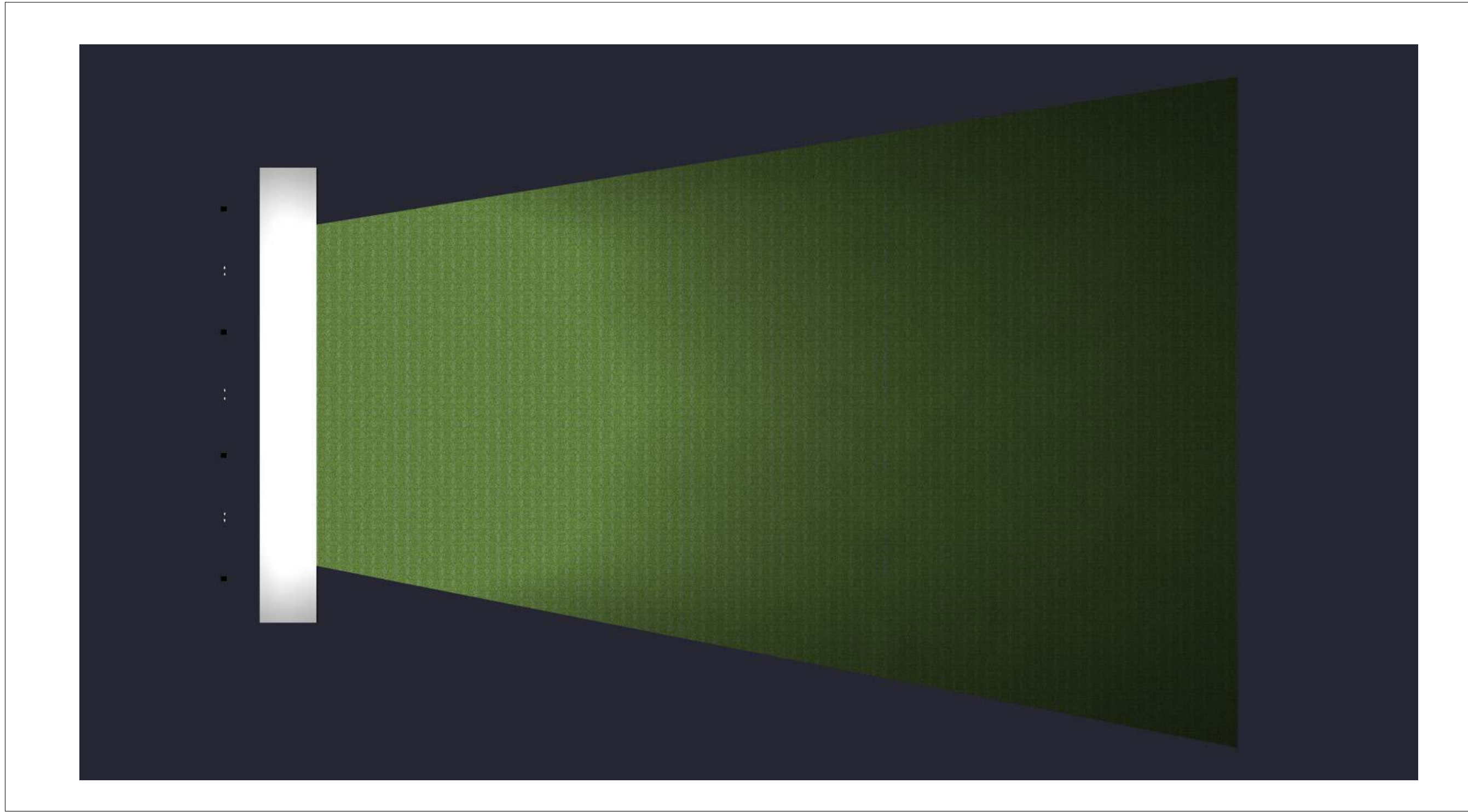
Product details updated:

August 2024

888-272-1275

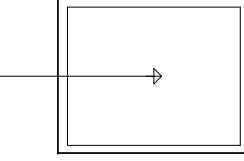
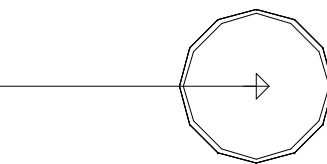
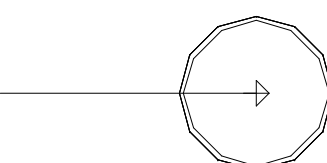
info@fingertbrand.com

TYPE SP2



RENDERING

LIGHTING DETAILS:

Luminaire Schedule						
Label	Symbol	Qty	LLF	Description	Luminaire Watts	Luminaire Lumens
A1		4	1.000	NextGen 4 300W T3	297.43	42839
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SP1		4	1.000	StadiumPro IV 1400W 20D	1344.03	197814

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
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Object_6_Top	Illuminance	Fc	5.46	28.4	0.4	71.00
StatArea_100'	Illuminance	Fc	17.62	28.4	6.0	4.73
StatArea_100' - 200'	Illuminance	Fc	5.83	11.5	2.5	4.60
StatArea_200' - 300'	Illuminance	Fc	2.18	3.7	1.1	3.36

Luminaire Location Summary						
		Insertion Point				
LumNo	Label	X	Y	Z	Orient	Tilt
114	A1	0	175	30	0	0
115	A1	0	125	30	0	0
116	A1	0	75	30	0	0
117	A1	0	25	30	0	0
118	SP1	0	151	30	6.19	85.465
119	SP1	0	101.25	30	3.749	85.445
120	SP2	0	51.25	30	359.962	85.414
121	SP2	0	148.5	30	0.225	85.486
122	SP1	0	98.25	30	356.168	85.436
123	SP1	0	48.75	30	354.432	85.448

StatArea_100'

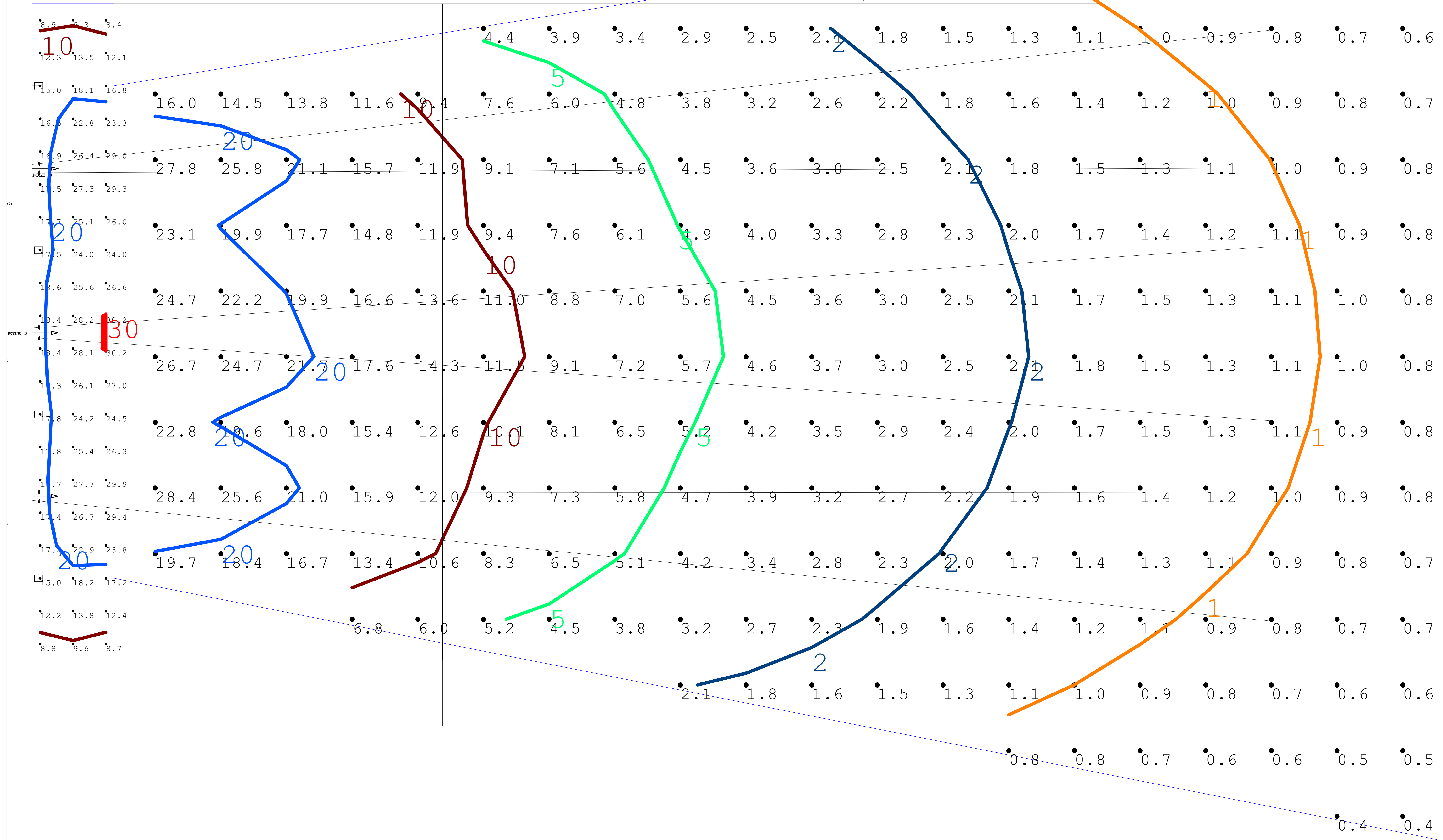
Illuminance (Fc)
Average = 17.62
Maximum = 28.4
Minimum = 6.0
Avg/Min Ratio = 2.94
Max/Min Ratio = 4.73

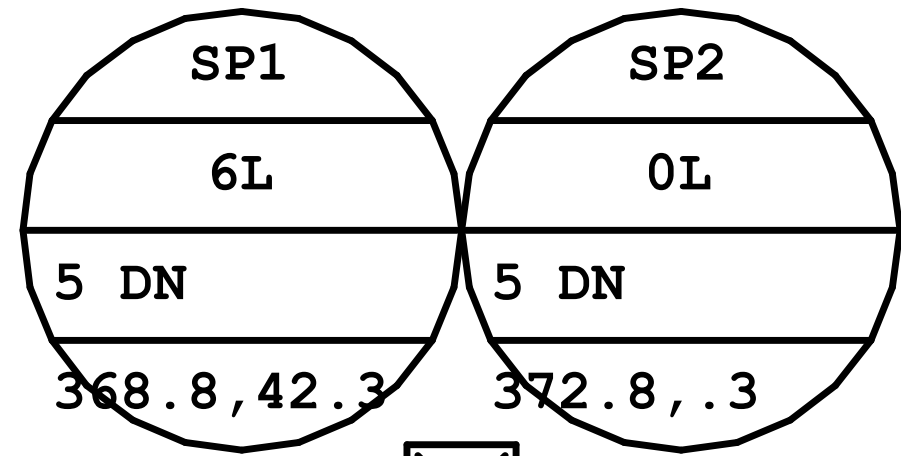
StatArea_100' - 200'

Illuminance (Fc)
Average = 5.83
Maximum = 11.5
Minimum = 2.5
Avg/Min Ratio = 2.33
Max/Min Ratio = 4.60

StatArea_200' - 300'

Illuminance (Fc)
Average = 2.18
Maximum = 3.7
Minimum = 1.1
Avg/Min Ratio = 1.98
Max/Min Ratio = 3.36





POLE 3
Diagram Height = 30
Actual Location (X,Y) = 0, 149.75
Offset Location (X,Y) = 9.25, 149.75
Quantity = 2

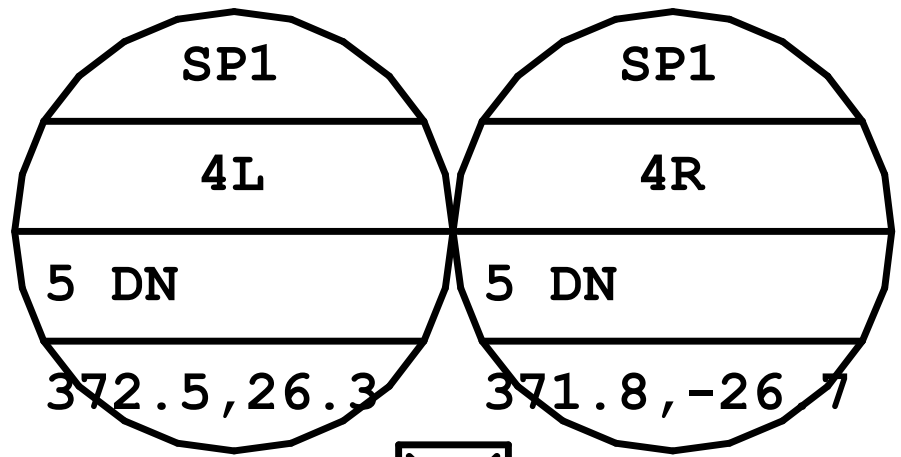


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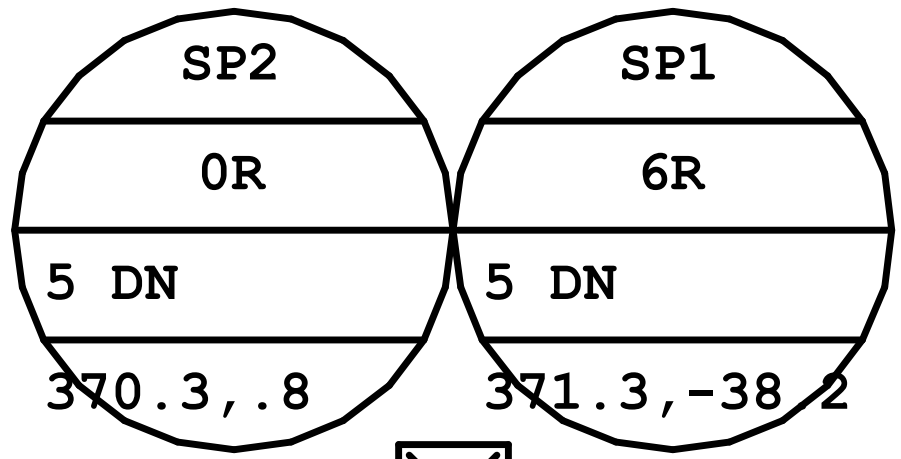
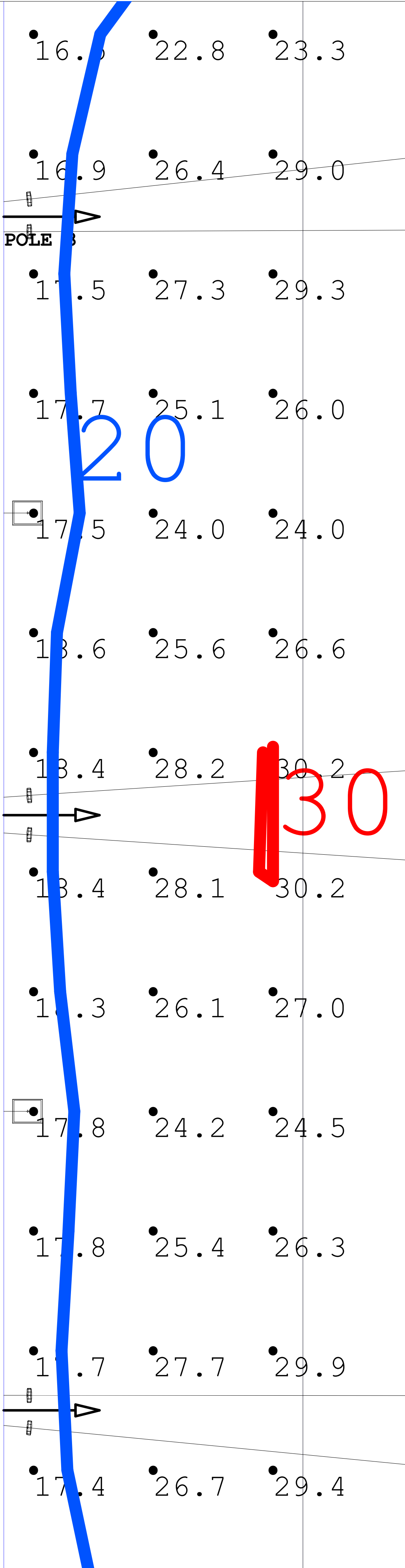
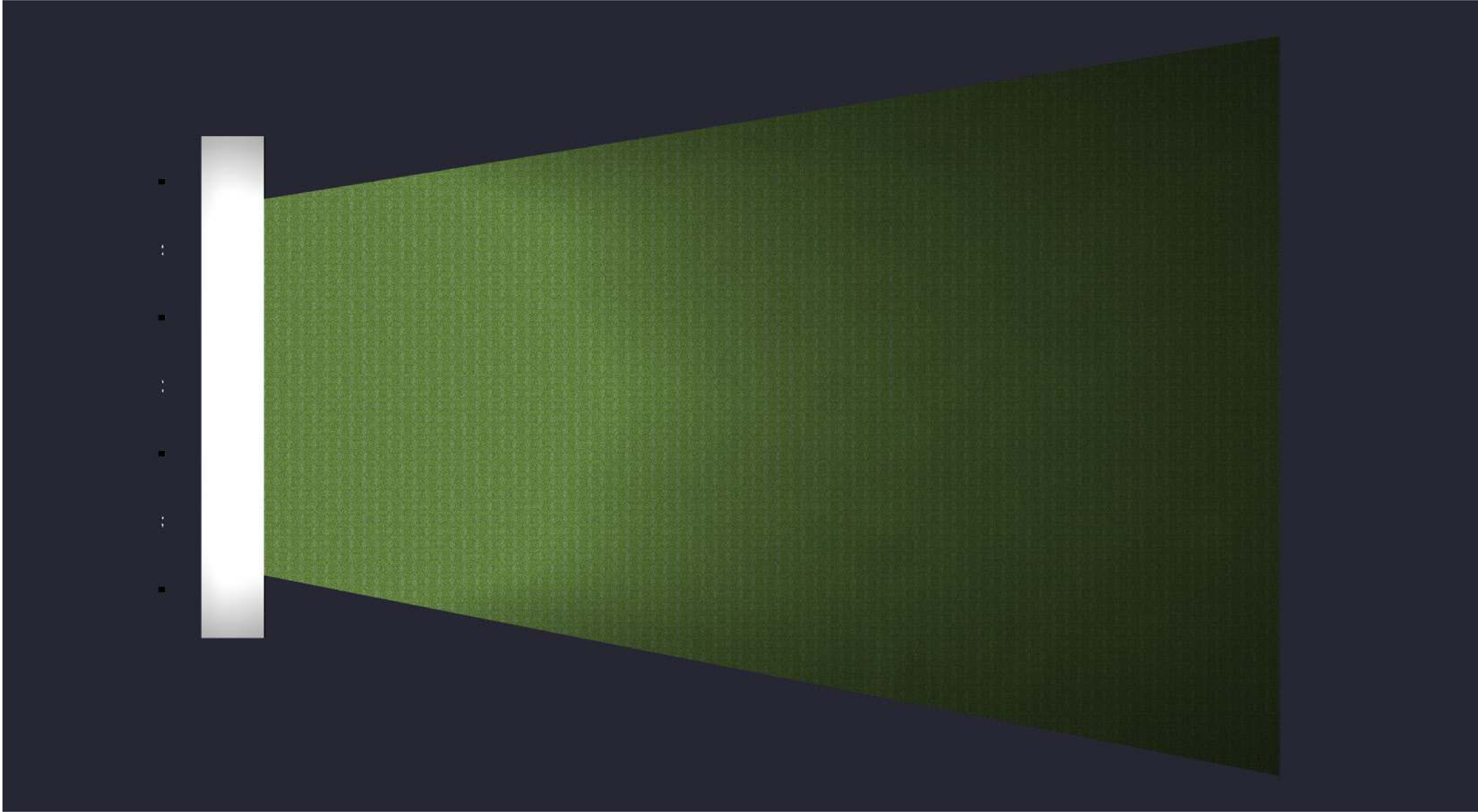


Diagram Height = 30
Actual Location (X,Y) = 0, 50
Offset Location (X,Y) = 5.75, 50.25
Quantity = 2





LARGE COMMERCIAL DRIVING RANGE

