



Soccer 360' x 225' 4 POLES 70'High 30' Pole Setback Class 4: 20FC

Project Name: TDS Project Number Date:		4P-70H-30SB-20/	AVG_summary								
POLE#	#POLES	Pole Height	<u>Fixture</u>	Qty/Pole	Total Fix	<u>tures</u>	Watts/Fixture	Total V	<u>Vatts</u>	Tota	IKW
P1	1	70'	ZNF-90L-NF-50-GS	2	2		532	1,064		1.06	
			ZNF-90L-MF-50-GS	6	6		584	3,504		3.50	
			ZNF-90L-MWF-50-GS	2	2	r 10	584	1,168		1.17	
						10			5,736		-
P2	1	70'	ZNF-90L-NF-50-GS	2	2		532	1,064		1.06	
			ZNF-90L-MF-50-GS	6	6		584	3,504		3.50	
			ZNF-90L-MWF-50-GS	2	2		584	1,168		1.17	
						<sup>7</sup> 10			5,736		
P3	1	70'	ZNF-90L-NF-50-GS	2	2		532	1,064		1.06	
			ZNF-90L-MF-50-GS	6	6		584	3,504		3.50	
			ZNF-90L-MWF-50-GS	2	2		584	1,168		1.17	
						<sup>7</sup> 10			5,736		- 1
P4	1	70'	ZNF-90L-NF-50-GS	2	2		532	1,064		1.06	
			ZNF-90L-MF-50-GS	6	6		584	3,504		3.50	
			ZNF-90L-MWF-50-GS	2	2		584	1,168		1.17	
						<sup>7</sup> 10			5,736		
TOTALS	4					40			22,944		

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	17.6	<sup>‡</sup> 23.1	<sup>‡</sup> 23.1	19.2	17.0	16.2	<b>1</b> 7.1	19.4	\$2.6	\$2.6	196	17.3	17.3	19.6	ž2.6	ž2.6	19.4	17.1	16.2	17.0	19.2	<sup>‡</sup> 23.1	23.1	17.6	
	16.8	19.8	19.9	20.0	18.6	17.7	18.5	20.7	24.8	\$8.0	<sup>‡</sup> 5.7	\$2.6	\$2.6	<sup>‡</sup> 25.7	₹8.0	<sup>‡</sup> 24.8	20.7	18.5	17.7	18.6	\$0.0	19.9	19.8	16.8	
	148	17.8	21.1	22.5	Ž1.6	20.4	20.8	<b>2</b> 2.5	ž6.8	<sup>‡</sup> 31.0	\$9.1	<b>2</b> 7.2	<sup>‡</sup> 27.2	<b>2</b> 9.1	<sup>†</sup> 31.0	<u></u> 26.8	22.5	20.8	20.4	ž1.6	22.5	ž1.1	17.8	14.5	
	15.2	21.0	25.6	26.9	25.5	<sup>‡</sup> 24.6	24.4	25.7	28.4	\$1.3	30.4	\$8.6	28.6	30.4	31.3	28.4	25.7	24.4	<sup>‡</sup> 24.6	25.5	26.9	25.6	21.0	15.2	
	18.1	<b>2</b> 4.4	28.9	28.8	<sup>‡</sup> 26.1	25.8	25.2	<sup>‡</sup> 26.5	27.5	29.0	\$9.2	<sup>‡</sup> 28.7	28.7	<u>\$</u> 9/2	<sup>2</sup> 9.0	27.5	<sup>‡</sup> 26.5	25.2	25.8	26.1	28.8	28.9	ŧ4.4	18.1	Γ
	<u>\$</u> 0/	<sup>‡</sup> 25.4	28.1	26.9	24.0	<sup>‡</sup> 24.0	<del>2</del> 3.3	<sup>‡</sup> 24.4	25,4	26.2	<u>\$</u> 7,1	<sup>‡</sup> 27.4	27.4	<sup>‡</sup> 27.1	<sup>2</sup> 6.2	25.4	24.4	<del>2</del> 3.3	24.0	24.0	26.9	28.1	25.4	20.1	
	20.9	<sup>2</sup> 5.0	26.1	±24.2 \	21.8	22.1	<sup>‡</sup> 21.4	<b>2</b> 2.6	23.7	24.4	<sup>‡</sup> 25.4	25.7	25.7	25.4	24.4	23.7	22.6	<sup>‡</sup> 21.4	22.1	<u>\$</u> 1.8	24.2	26.1	25.0	20.9	
	21.3	<b>2</b> 4.7 ∖	25.3	23.1	±21.1	<sup>‡</sup> 21.4	20.9	52.0	<u>\$</u> 3.2	<u></u>	24.8	25.0	25.0	24.8	<u></u> 53'8	23.2	22.0	20.9	<sup>‡</sup> 21.4	ž1.1	23.1	<sup>2</sup> 5.3	24.7	21.3	
	20.9	25.0	26,1	<sup>‡</sup> 24.2	21.8	<sup>‡</sup> 22.1	<sup>‡</sup> 21.4	<u>\$</u> 2.6	23.7	<sup>‡</sup> 24.4	23.4	<u>25.7</u>	25.7	25.4	24.4	<sup>‡</sup> 3.7	52.6	<sup>‡</sup> 21.4	<sup>‡</sup> 2:1	± 1.8	24.2	26.1	25.0	20.9	
	20.1	<sup>‡</sup> 25.4	28.1	<sup>‡</sup> 6.9	<b>2</b> 4.0	<sup>‡</sup> 24.0	<b>2</b> 3.3	24.4	25.4	<b>2</b> 6.2	<b>2</b> 7.1	<sup>‡</sup> 27.4	27.4	27.1	<u>\$</u> 6.2	25.4	<sup>‡</sup> 24.4	<b>2</b> 3.3	±24.0	24.0	26.9	28.1	25.4	20.1	
	18.1	24.4	28.9	28.8	<b>2</b> 61	25.8	25.2	<sup>‡</sup> 6.5	27.5	29.0	ž9.2	28.7	28.7	29.2	<b>29.0</b>	₹x.5	26.5	25.2	25.8	26.1	28.8	28.9	24.4	18.1	
	15.2	21.0	25.6	26.9	<b>2</b> 5.5	<sup>‡</sup> 24.6	24.4	25.7	<sup>‡</sup> 28.4	31.3	₹30.4	28.6	28.6	₹30.4	31.3	28.4	25.7	<b>2</b> 4.4	24.6	25.5	26.9	25.6	21.0	15.2	
	14.5	17.8	\$1.1	22.5	ž1.6	20.5	<u></u> 50.8	\$2.5	<b>5</b> 6.8	<sup>†</sup> 31.0	29.1	<del>2</del> 7.2	<sup>‡</sup> 27.2	291	31.0	Ž6.8	22.5	\$0.8	20.5	<sup>‡</sup> 21.6	22.5	ž1.1	17.8	14.5	
	16.8	19.8	19.9	\$0,0	18.6	17.7	18.5	20.7	24.8	28.0	<b>2</b> 5.7	<del>5</del> 2.6	\$2.6	<sup>‡</sup> 25.7	\$8.0	±24.8	<u></u> 20√2	18.5	17.7	18.6	₹0.0 ±	19.9	19.8	16.8	
-	17.6	23.1	23.1	19.2	17.0	16.2	17.1	<b>1</b> 9.4	22.6	\$2.6	19.6	17.3	17.3	19.6	\$2.6	\$86	19.4	17.1	16.2	17.0	19.2	<sup>‡</sup> 3.1	23.1	17.6	
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## PHOTOMETRIC EVALUATION NOT FOR CONSTRUCTION

This lighting plan represents Illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved nethods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in langs/IEID's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted instruen ennectaure noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

The IES no longer uses the Cutoff Classification System for LED fixtures. The IES classifies LED fixtures with the BUG rating which refers to the Backlight-Uplib-Clare system. An Uplight of 'UO' most closely matches the old Full Cutoff rating.

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Grid Z
SUMMARY	Illuminance	Fc	23	31.3	14.5	1.6	2.2	3

Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Description	LLF	Arr. Lum. Lumens	Arr. Watts			
-	8	B33	SINGLE	ZNF-90L-NF-50-GS	0.930	77855	532			
-	24	B44	SINGLE	ZNF-90L-MF-50-GS	0.930	85547	584			
+	8	B55	SINGLE	ZNF-90L-MWF-50-GS	0.930	81518	584			

Maintained Illumination Levels at 3' Above Grade.

Final Aiming Diagram, Racking Diagram, and Calculations Furnished upon Receipt of a released order.

Dimensions of drawings that have been scaled or converted from PDF files or scanned /submitted images are approximate.

Total Project Watts Total Watts = 22944





LIGHTING	PROPOSAL	L0-163196
SDC-360×225	-4P-70H-30SB-20AVC	1

THC DAT	ΓE:	REV:	SHEET OF 1	1	
ALE: 1"=40' ARCH	в 0				