Crozet Park Field Lighting Proposal



October 17, 2018

Peachtree Baseball and Softball

- Peachtree is a 501(c)(3) 100% volunteer organization that has proudly provided a positive baseball experience to thousands of western Albemarle families since 1956.
- Today, our community is growing and our league is registering record numbers of children and families as a result.
- Peachtree expanded to include softball in 2016.
- Since 2016, we have experienced a 64% increase in players, and a 41% increase in scholarship use.





Growing Need for Field Space

- More Crozet youth means more kids who want to play ball... which means more teams in need of field space for practices and games.
- This spring, Peachtree had 41 teams, each needing 2-4 hours of field space for practice each week.
- Peachtree has access to 6 fields: two at Crozet Park (plus the t-ball field), one at Crozet Elementary, one at Brownsville, one at Field School, one at Greenwood, and has limited use of the JV softball field at WAHS.
 Only younger divisions can play at Brownsville and Field School because there are no fences.
 Peachtree maintains all these fields in partnership with ACPR.





How Lights Will Help

- Spring season practices begin in February, when it is dark by 6:15 p.m.
- Coaches are 100% volunteer. Because most are working parents, we normally can't start practices until 5:30 p.m., which makes it very hard to get even an hour in during October/February/ March.
- Having a field with lights would also allow us to schedule more games so all teams can play at least 10-12 games a season.



How Lights Will Be Used

- The latest games in the summer months would normally start by 7:45.
- Games are normally 1 hour 45 minutes in duration.
- Very rare possibility of later starts only during tournament play when rain could delay starts.
- This is not an adult league that plays into the night. Peachtree is a 12 and under league with baseball and softball players as young as 4 years old.



Lighting Plan

- Peachtree is applying for a Minor Site Plan Revision with Albemarle County, with the help of Claudius Crozet Park.
- If approved, we will install state-of-the-art LED lighting designed by Musco Sport Lighting at Holzwarth Field.



Holzwarth Field (the lower field) at Claudius Crozet Park

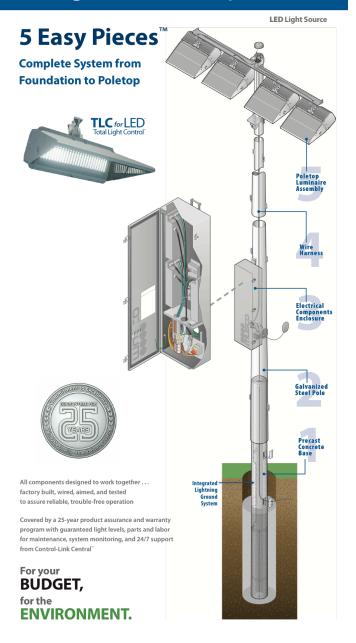
Community Support

We have raised \$131,000 out of our \$140,000 goal for this project since the campaign launched August 16th.

THANK YOU!



Light-Structure System*



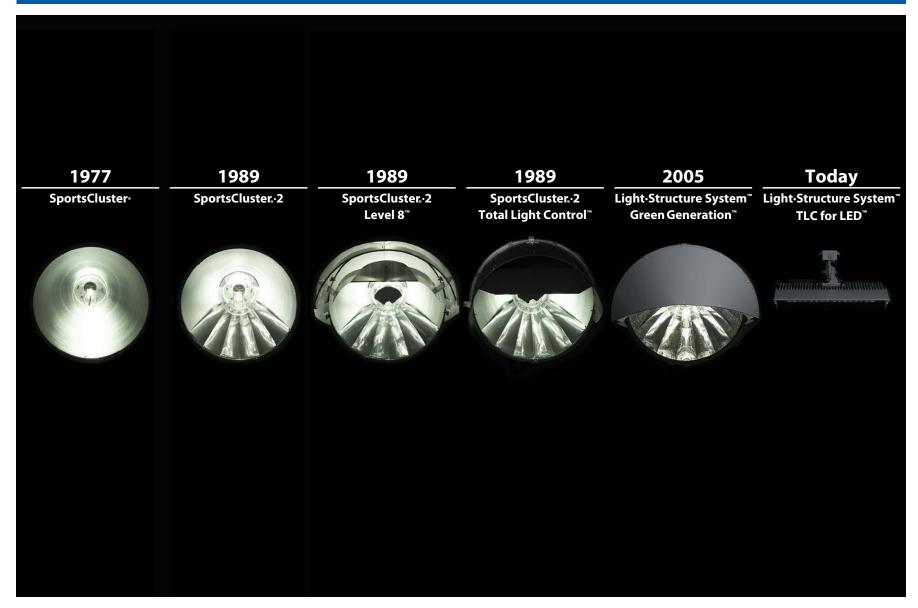








Evolution of Light Control



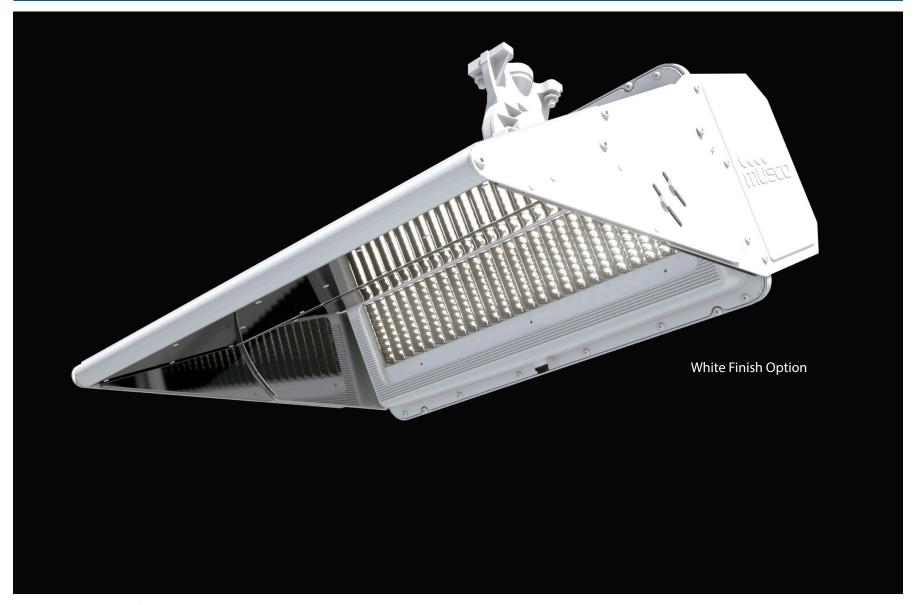




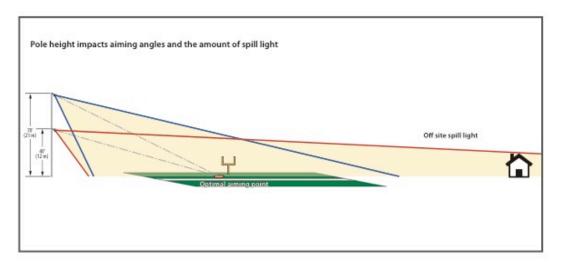
1977 1989 1989 1989 2005 **Today Today** SportsCluster_° SportsCluster.-2 SportsCluster.-2 SportsCluster.·2 Light-Structure Light-Structure Other Luminaire Level 8™ System™ Manufacturer System™ **Total Light Control**™ **Green Generation**™ TLC for LED™ LED Photographed at 100 ft (30 m) from field edge Used equal parameters for: • On-field light level per pole • Luminaire aiming angles • Wattage per luminaire • Pole distance from aiming point Mounting height

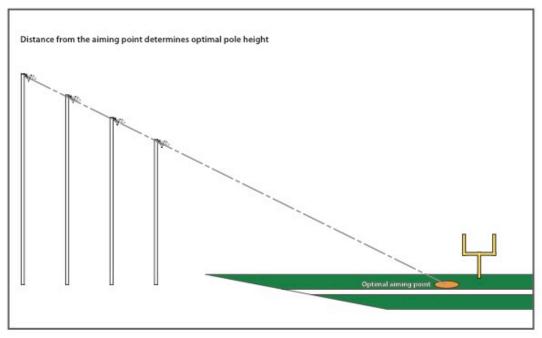


Total Light Control—**TLC-LED-1150 Luminaire**









Player Perspective Light Control



Typical Metal Halide



Green Generation Lighting® – Metal Halide

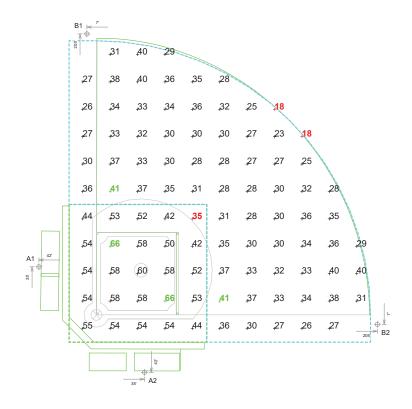


Total Light Control™ –TLC for LED™





EQUIPMENT LIST FOR AREAS SHOWN										
Pole				Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/ POLE	THIS	OTHER GRIDS		
2	A1-A2	70'	-	15'	TLC-BT-575	1	1	0		
				70'	TLC-LED-1150	3	3	0		
2	B1-B2	70'	-	15'	TLC-BT-575	2	2	0		
				70'	TLC-LED-1150	5	5	0		
4			TOTALS			22	22	0		



to 0,0 reference point(s)

Claudius Crozet Park Baseball

Crozet,VA

GRID SUMMARY Name: Softball Size: 200'/200'/200' - basepath 60' Spacing: 20.0' x 20.0' Height: 3.0' above grade

I	ILLUMINATION SUMMARY								
ı	MAINTAINED HORIZONTAL FOOTCANDLES								
ı		Infield	Outfield						
ı	Guaranteed Average:	50	30						
ı	Scan Average:	53.20	31.77						
ı	Maximum:	66	41						
ı	Minimum:	35	18						
ı	Avg / Min:	1.50	1.73						
ı	Guaranteed Max / Min:	2	2.5						
ı	Max / Min:	1.85	2.23						
ı	UG (adjacent pts):	1.24	1.38						
ı	CU:	0.66							
ı	No. of Points:	25	73						
ı	LUMINAIRE INFORMATION								
ı	Color / CRI:								
ı	Luminaire Output:								
ı		No. of Luminaires: 22							
ı	Total Load:	21.85 kW							
ı		Lumen Maintenance							
ı	Luminaire Type	L90 hrs	L80 hrs	L70 hrs					
ı	TLC-BT-575	>81,000	>81,000	>81,000					
ı	TLC-LED-1150	>81,000	>81,000	>81,000					
ı	Reported per TM-21-11. See luminaire datasheet for details.								

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco

Warranty document and includes a 0.95

dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage

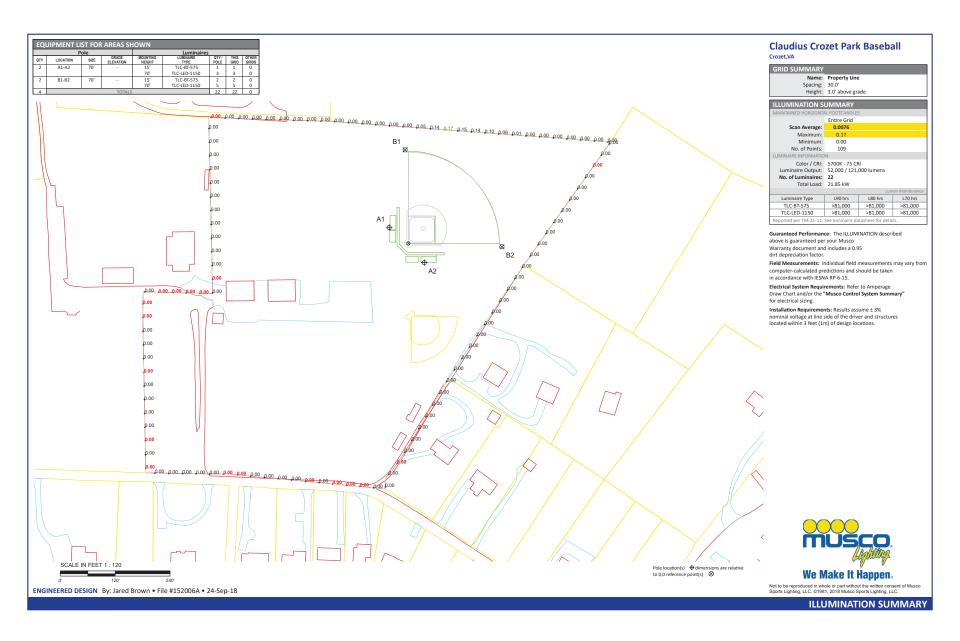
Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

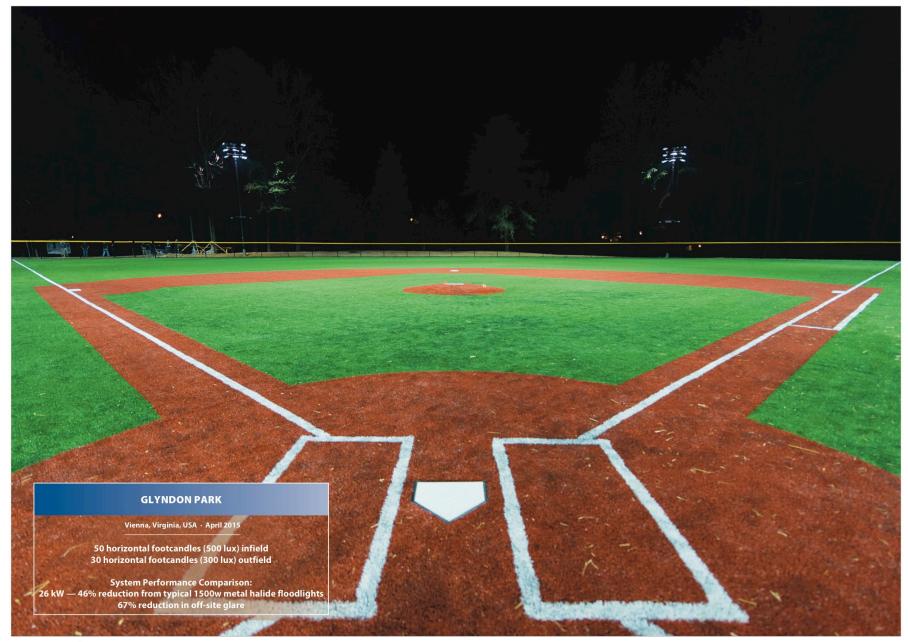
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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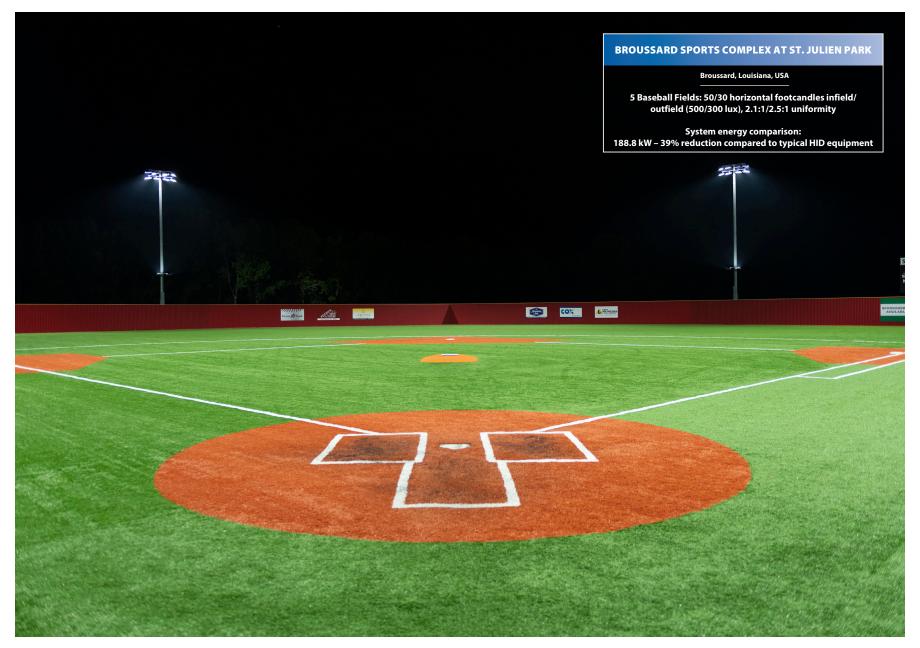
SCALE IN FEET 1:40





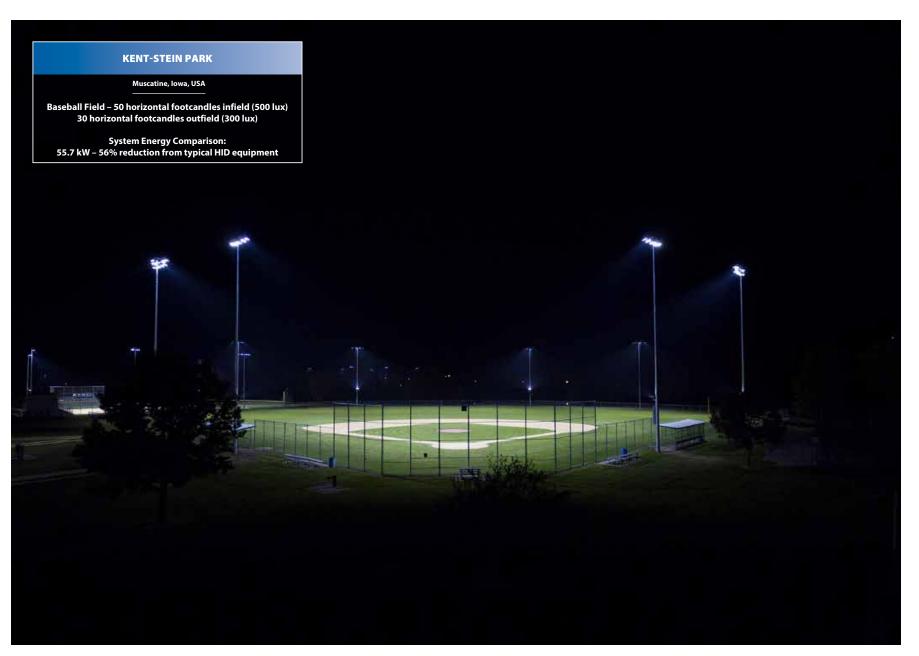
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Musco: what can be



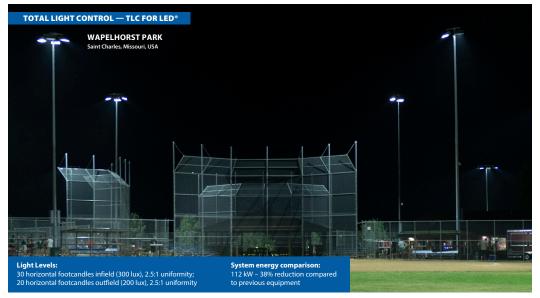
What often is



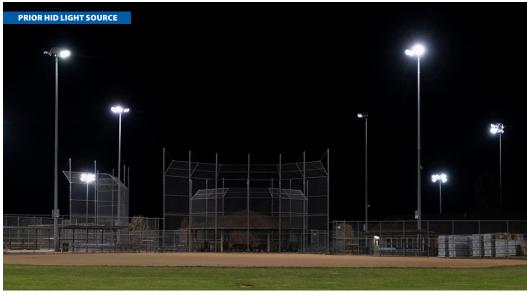
©2018 Musco Sports Lighting, LLC · 172019 · M-2770-en04-1 · Field 1 · Photos taken at equal camera settings

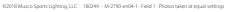


Musco: what can be

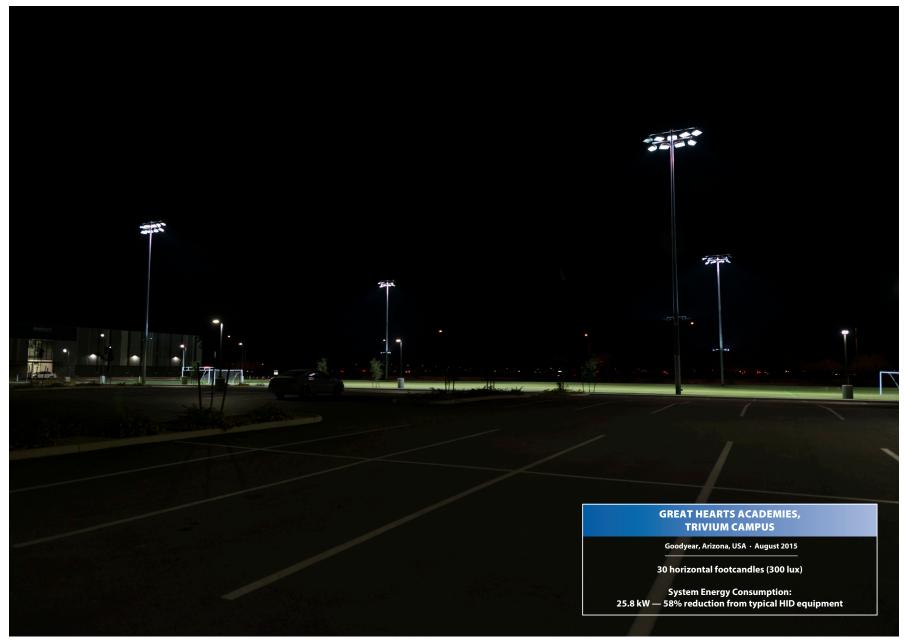


What often is









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