

Harlequins RFC Premiership Rugby

Twickenham, London

Lighting System

Pole / Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Group
A01	--	0.0	2	216 LED	1.26 kW	A
		0.0	4	228 LED	2.52 kW	A
		0.0	1	228 LED	0.63 kW	B
A02, A03, A04, A05, B01, B02, B03, B04, B05	--	0.0	2	216 LED	1.26 kW	A
		0.0	4	228 LED	2.52 kW	A
C01	--	0.0	2	216 LED	1.26 kW	C
		0.0	4	228 LED	2.52 kW	C
		0.0	1	228 LED	0.63 kW	D
C02, C03, C04, C05, D01, D02, D03, D04, D05	--	0.0	2	216 LED	1.26 kW	C
		0.0	4	228 LED	2.52 kW	C
20			142		89.46 kW	

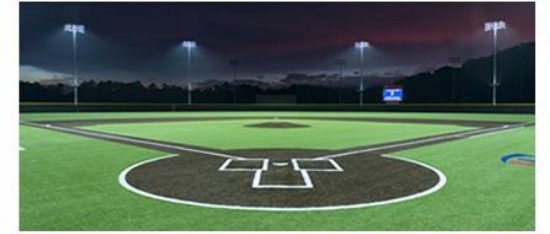
Group Summary				
Group	Description	Avg Load	Max Load	Fixture Qty
A	Downlight Top Side	37.8 kW	37.8 kW	60
B	Uplight Top Side	6.93 kW	6.93 kW	11
C	Downlight Bottom Side	37.8 kW	37.8 kW	60
D	Uplight Bottom Side	6.93 kW	6.93 kW	11

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
216 LED	LED 5700K - 75 CRI	630W	63,600	38,000	>60,000	>60,000	40
228 LED	LED 5700K - 75 CRI	630W	63,600	38,000	>60,000	>60,000	102

Light Level Summary

Calculation Grid Summary							
Grid Name	Calculation Metric	Illumination				Groups	Fixture Qty
		Ave	Min	Max	Min/Max		
150m Area Spill	Horizontal	49.1	0	1173	0.00	A,B,C,D	142
150m Area Spill	Max Vert Illuminance (by Light Bank)	85.4	0	1897	0.00	A,B,C,D	142
Rugby - Try Area	Horizontal Illuminance	618	558	754	0.74	A,B,C,D	142
Rugby	Horizontal Illuminance	837	667	1215	0.55	A,B,C,D	142

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