

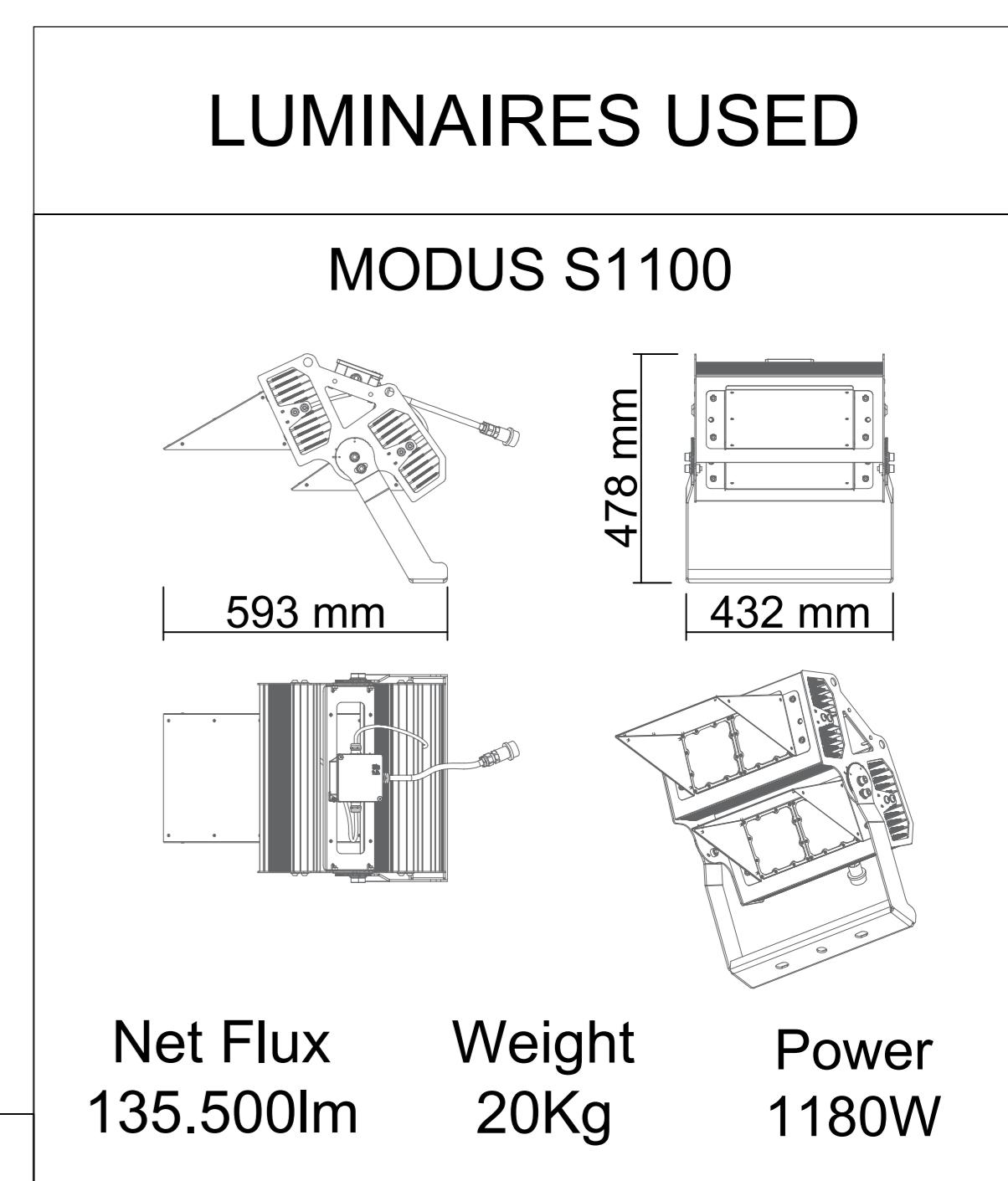
## Calculated Lighting Values

## ML2115 - Eastcote Hockey Club

$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$E_{min}/E_{av}$
374	286	571	0,76

## MIDSTREAM LED PROPOSAL

COLUMN No.	HEIGHT [m]	Luminaire	No. of Luminaires	Wattage	Absorbed Wattage	Consumption per Mast [kW]	Annual Consumption [kWh] [1000h]	Notes
P-1	15	Modus S1100 NS (4000K)	4	1180	4720,0	4,72	4720,00	
P-2	15	Modus S1100 NS (4000K)	4	1180	4720,0	4,72	4720,00	
P-3	15	Modus S1100 NS (4000K)	4	1180	4720,0	4,72	4720,00	
P-4	15	Modus S1100 NS (4000K)	4	1180	4720,0	4,72	4720,00	
P-5	15	Modus S1100 NS (4000K)	4	1180	4720,0	4,72	4720,00	
P-6	15	Modus S1100 NS (4000K)	4	1180	4720,0	4,72	4720,00	
			24		28320,0	28,32	28320	TOTAL



FIH Calculation Grid: 10 x 6 Points ♦

Maintenance Factor - 0.9

Total HM (All)

- 6 with height of 15m

Total Luminaires (All)

- 24 x Modus S1100 NS (4000K)

HM = HIGH MAST

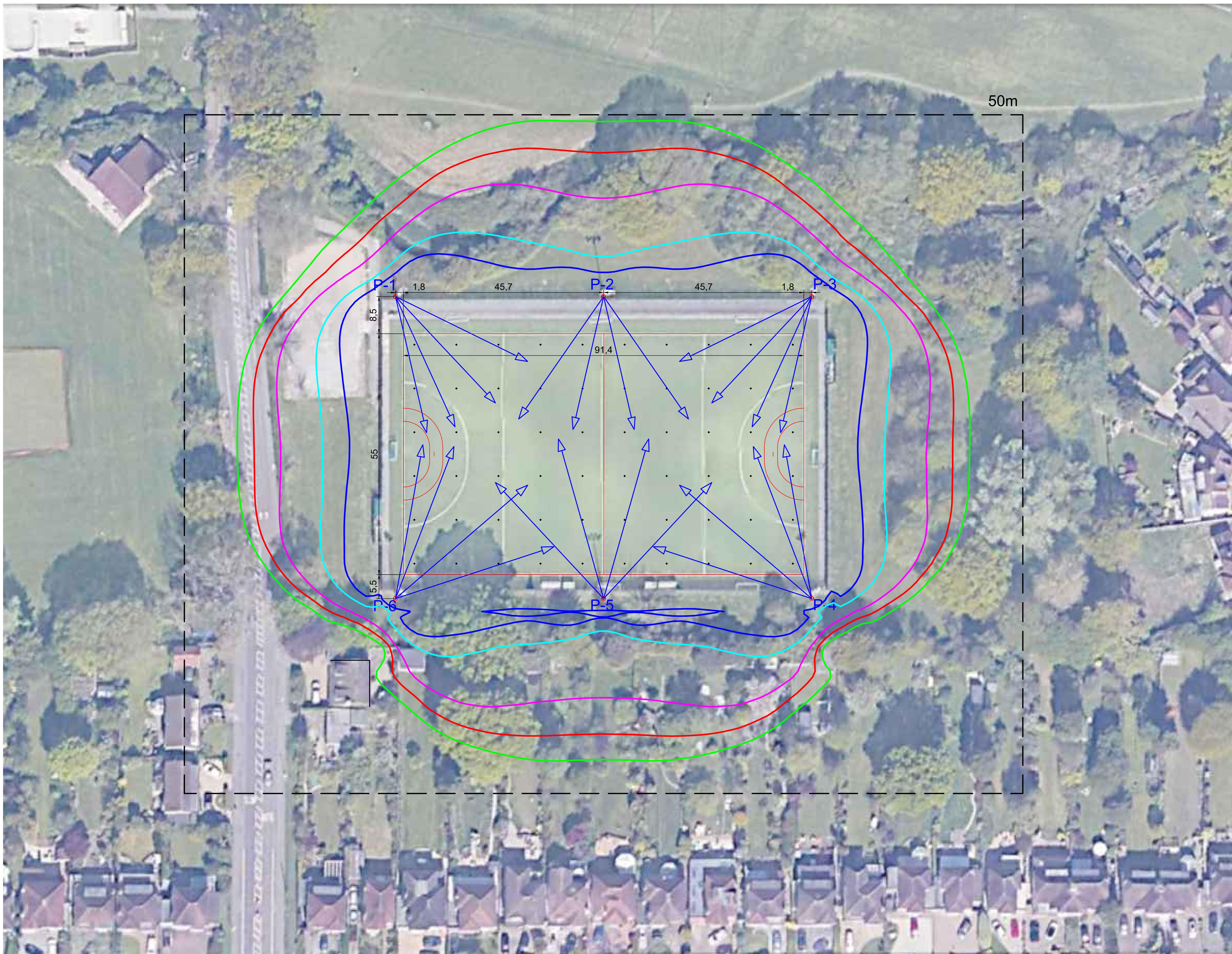
 $E_{av}$  = AVERAGE Lux LEVEL $u_0$  = UNIFORMITY  $E_{min} / E_{av}$ 

Drawing by: MC      Checked by: PC      Approved by: MIDSTREAM      Date: 09/11/2023      Revision: 06

Sheet: 1/4

ML2115 - Eastcote Hockey Club - HMs Description &amp; Isolines

**MIDSTREAM**

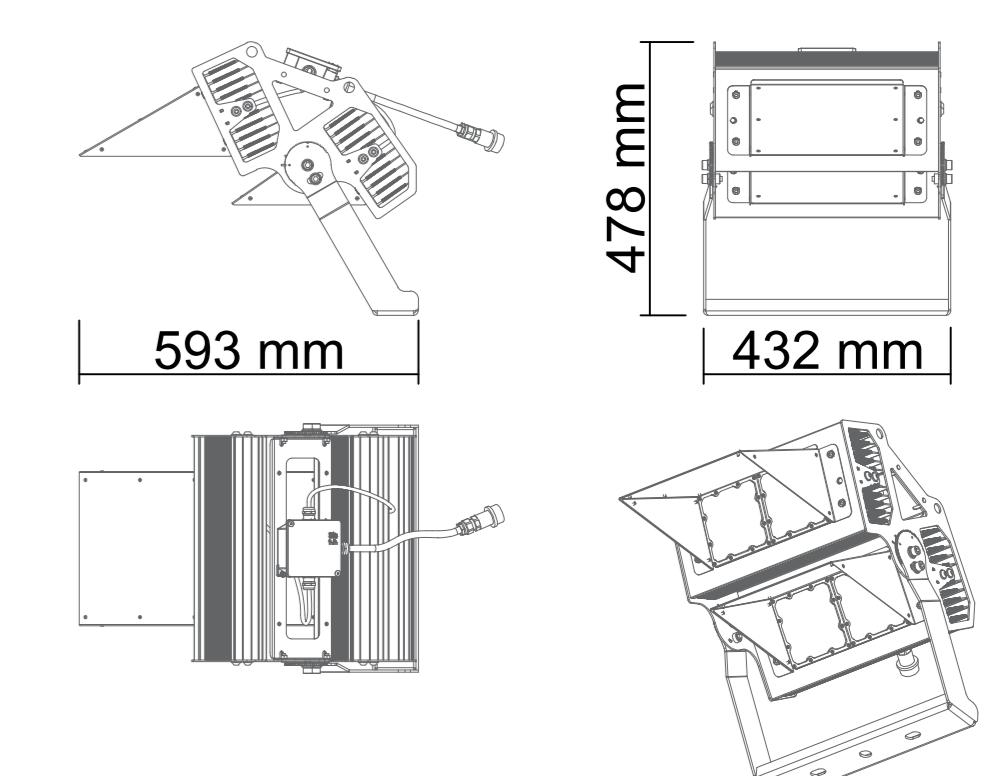


## Isolines

- 5.0 lx
- 6.5 lx
- 10.0 lx
- 25.0 lx
- 50.0 lx

### LUMINAIRES USED

MODUS S1100



Net Flux 135.500lm    Weight 20Kg    Power 1180W

FIH Calculation Grid: 10 x 6 Points ♦

Maintenance Factor - 0.9

Total HM (All)

- 6 with height of 15m

Total Luminaires (All)

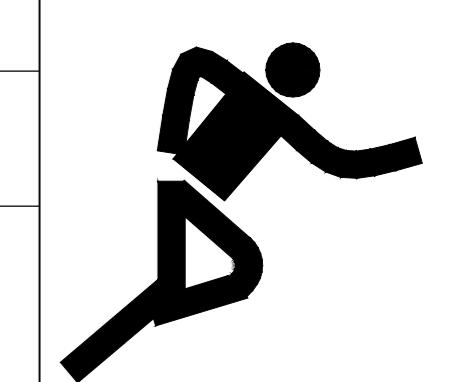
- 24 x Modus S1100 NS (4000K)

HM = HIGH MAST

 $E_{av}$  = AVERAGE Lux LEVEL $u_0$  = UNIFORMITY  $E_{min} / E_{av}$ 
**MIDSTREAM**

Drawing by	Checked by	Approved by	Date	Revision	Sheet
MC	PC	MIDSTREAM	09/11/2023	06	2/4

ML2115 - Eastcote Hockey Club - HMs Description &amp; Isolines - Horizontal Spill



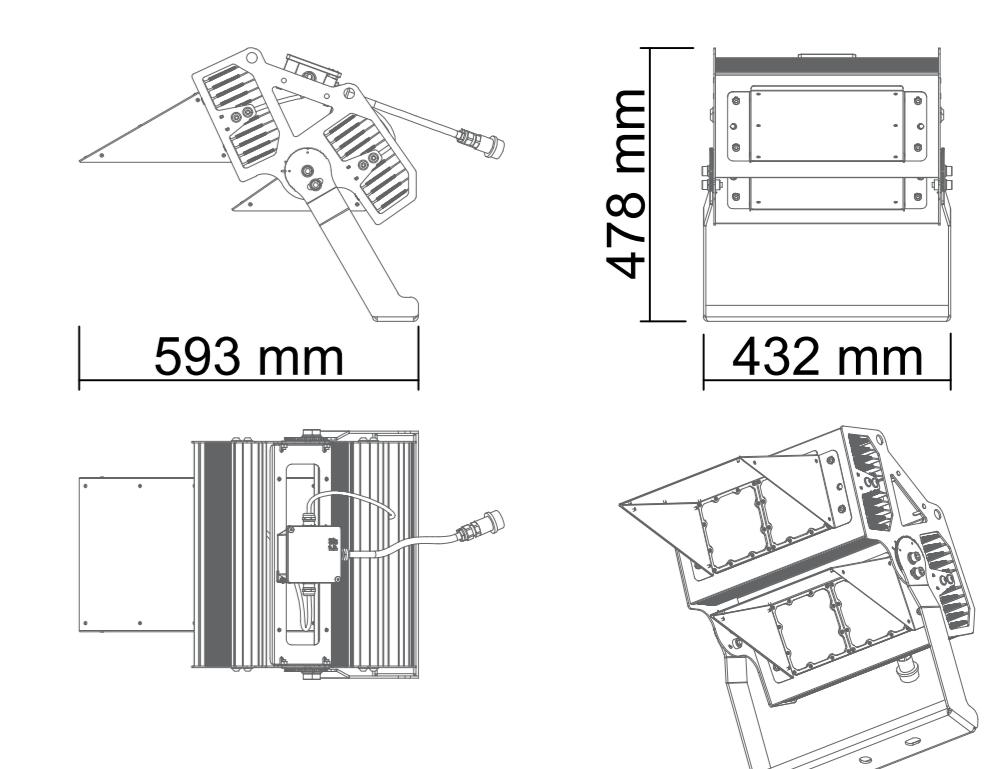


## Isolines

- 5.0 lx
- 6.5 lx
- 10.0 lx
- 25.0 lx
- 50.0 lx

### LUMINAIRES USED

MODUS S1100



Net Flux 135.500lm    Weight 20Kg    Power 1180W

		Total HM (All)	Total Luminaires (All)			
FIH Calculation Grid: 10 x 6 Points	◆	Maintenance Factor - 0.9	- 6 with height of 15m	- 10 x Modus S1100 NS (4000K) ON Dimmed to 65%	HM = HIGH MAST	
					$E_{av}$ = AVERAGE Lux LEVEL	
					$u_0$ = UNIFORMITY $E_{min} / E_{av}$	
Drawing by	Checked by	Approved by	Date	Revision	Sheet	
MC	PC	MIDSTREAM	09/11/2023	06	3/4	
ML2115 - Eastcote Hockey Club - Half Pitch 1 - HMs Description & Isolines - Horizontal Spill						

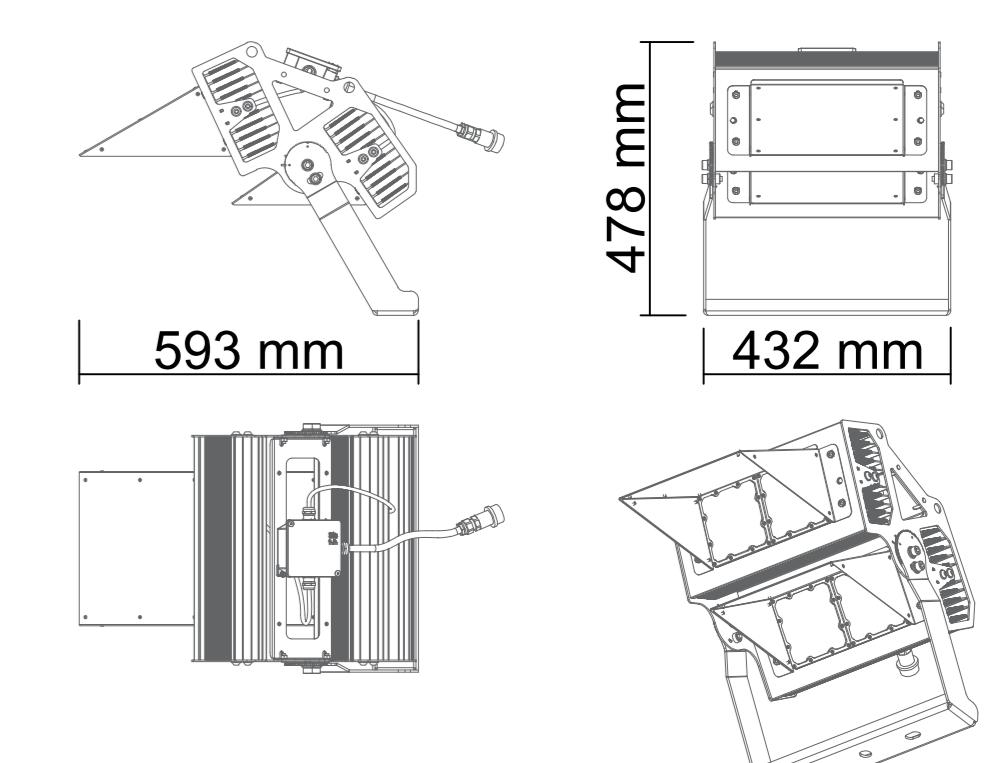


## Isolines

5.0 lx  
6.5 lx  
10.0 lx  
25.0 lx  
50.0 lx

## LUMINAIRES USED

MODUS S1100



Net Flux 135.500lm Weight 20Kg Power 1180W

FIH Calculation Grid: 10 x 6 Points ♦

Maintenance Factor - 0.9

Total HM (All)

- 6 with height of 15m

Total Luminaires (All)

- 10 x Modus S1100 NS (4000K) ON Dimmed to 65%

HM = HIGH MAST

E<sub>av</sub> = AVERAGE Lux LEVELu<sub>0</sub> = UNIFORMITY E<sub>min</sub> / E<sub>av</sub>
**MIDSTREAM**

Drawing by	Checked by	Approved by	Date	Revision	Sheet
MC	PC	MIDSTREAM	09/11/2023	06	4/4
ML2115 - Eastcote Hockey Club - Half Pitch 2 - HMs Description & Isolines - Horizontal Spill					