


## Isolines

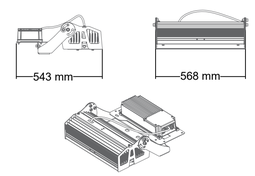
- 2.0 lx
- 5.0 lx
- 10.0 lx
- 25.0 lx
- 50.0 lx

| Calculated Lighting Values | | | | | |
|---|---|---|---|---|---|
| ML4658 - Smalley Tennis Club | | | | | |
| Designation | | $E_{av}$ [lx] | $E_{min}$ [lx] | $E_{max}$ [lx] | Emin/Eav |
| Tennis 1 | TPA | 453 | 319 | 593 | 0.70 |
| | PPA | 504 | 411 | 593 | 0.82 |
| Tennis 2 | TPA | 453 | 319 | 593 | 0.70 |
| | PPA | 504 | 411 | 593 | 0.82 |

| 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 | 10 | Master MR07 AS (5000K) | 1 | 795 | 795.0 | 0.80 | 795.00 | |
| P-2 | 10 | Master MR07 AS (5000K) | 2 | 795 | 1590.0 | 1.59 | 1590.00 | |
| P-3 | 10 | Master MR07 AS (5000K) | 1 | 795 | 795.0 | 0.80 | 795.00 | |
| P-4 | 10 | Master MR07 AS (5000K) | 1 | 795 | 795.0 | 0.80 | 795.00 | |
| P-5 | 10 | Master MR07 AS (5000K) | 2 | 795 | 1590.0 | 1.59 | 1590.00 | |
| P-6 | 10 | Master MR07 AS (5000K) | 1 | 795 | 795.0 | 0.80 | 795.00 | |
| | | | 8 | | 6360.0 | 6.36 | 6360 | TOTAL |

### LUMINAIRES USED

Master MR07




Flux
Up to 110.000lm

Power
795W

| | Total HM (All) | Total Luminaires (All) | |
|---|---|---|---|
| Calculation Grid: 15 x 7 Points (TPA)<br>Calculation Grid: 13 x 5 Points (PPA) | - 6 with height of 10m | - 8 x Master MR07 AS (5000K) | HM = HIGH MAST<br>$E_{av}$ = AVERAGE Lux LEVEL<br>$u_0$ = UNIFORMITY $E_{min}$ / $E_{av}$ |
| Maintenance Factor - 0.9 | | | |

MIDSTREAM

| Drawing by | Checked by | Approved by | Date | Revision | Sheet |
|---|---|---|---|---|---|
| MC | PC | MIDSTREAM | 28/05/2026 | 00 | 1/1 |

ML4658 - Smalley Tennis Club - HMs Description

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