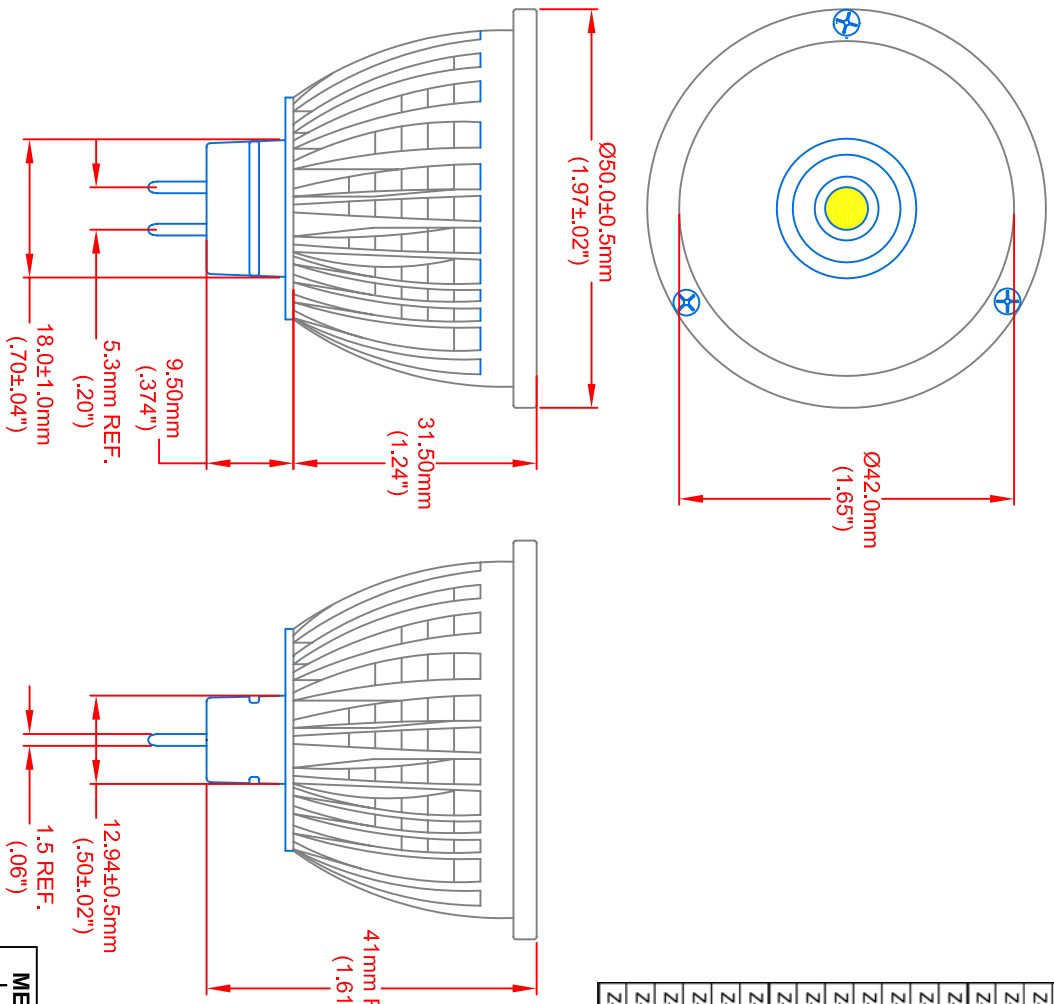


| REV. | DESCRIPTION/ECO NO. | DATE |
|------|----------------------|---------|
| | RELEASED | 5/1/09 |
| A | ADD PERFORMANCE NOTE | 10/7/09 |

| JKL PART NUMBER | AC/DC INPUT VOLTAGE | WATTAGE | LED QUANTITY | COLOR | VIEWING ANGLE (Deg.) | CCT | LUX @ 1M |
|-----------------|---------------------|---------|--------------|-------|----------------------|-----------|----------|
| Z-MR16-5W-1 | 12V | 5 WATT | 1 | WHITE | 10 | 6800-7200 | 1100 |
| Z-MR16-5W-2 | 12V | 5 WATT | 1 | WHITE | 10 | 6400-6600 | 1100 |
| Z-MR16-5W-3 | 12V | 5 WATT | 1 | WHITE | 10 | 6000-6400 | 1100 |
| Z-MR16-5W-4 | 12V | 5 WATT | 1 | WHITE | 10 | 3700-3900 | 850 |
| Z-MR16-5W-5 | 12V | 5 WATT | 1 | WHITE | 10 | 2900-3100 | 700 |
| Z-MR16-5W-6 | 12V | 5 WATT | 1 | WHITE | 10 | 2700-2900 | 700 |
| Z-MR16-5W-7 | 12V | 5 WATT | 1 | WHITE | 38 | 6800-7200 | 600 |
| Z-MR16-5W-8 | 12V | 5 WATT | 1 | WHITE | 38 | 6400-6600 | 600 |
| Z-MR16-5W-9 | 12V | 5 WATT | 1 | WHITE | 38 | 6000-6400 | 600 |
| Z-MR16-5W-10 | 12V | 5 WATT | 1 | WHITE | 38 | 3800-4100 | 450 |
| Z-MR16-5W-11 | 12V | 5 WATT | 1 | WHITE | 38 | 3700-3900 | 450 |
| Z-MR16-5W-12 | 12V | 5 WATT | 1 | WHITE | 38 | 2900-3100 | 300 |
| Z-MR16-5W-13 | 12V | 5 WATT | 1 | WHITE | 38 | 2700-2900 | 300 |
| Z-MR16-5W-14 | 12V | 5 WATT | 1 | WHITE | 60 | 6800-7200 | 70 |
| Z-MR16-5W-15 | 12V | 5 WATT | 1 | WHITE | 60 | 6400-6600 | 70 |
| Z-MR16-5W-16 | 12V | 5 WATT | 1 | WHITE | 60 | 6000-6400 | 70 |
| Z-MR16-5W-17 | 12V | 5 WATT | 1 | WHITE | 60 | 3700-3900 | 55 |
| Z-MR16-5W-18 | 12V | 5 WATT | 1 | WHITE | 60 | 2900-3100 | 50 |
| Z-MR16-5W-19 | 12V | 5 WATT | 1 | WHITE | 60 | 2700-2900 | 50 |

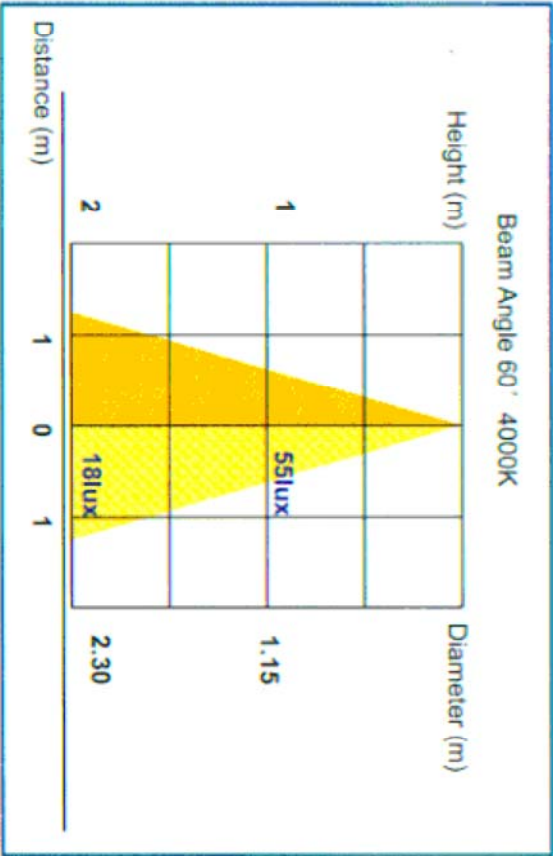
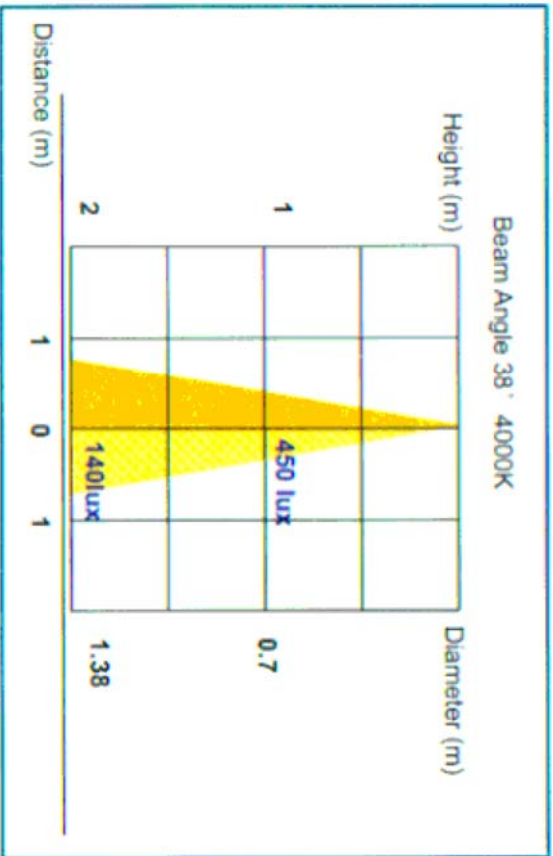
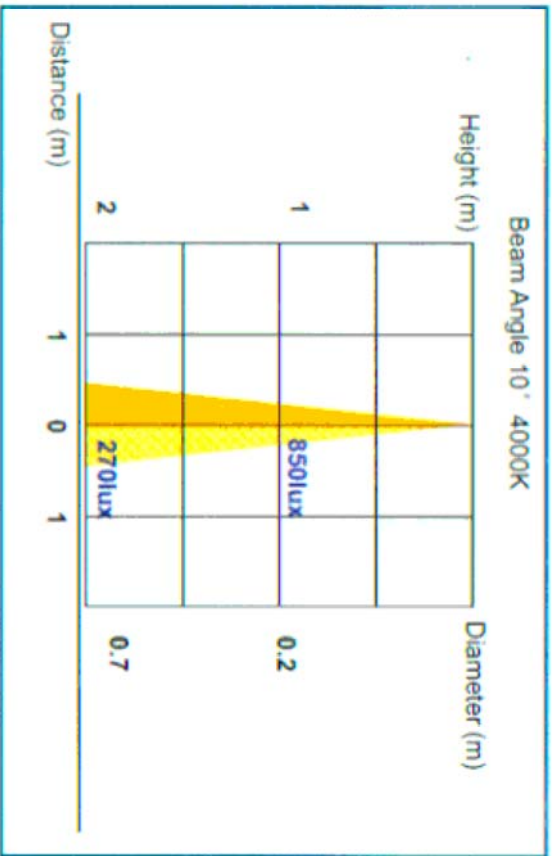


Absolute Maximum Rating at TA = 25°C

| Parameter | Symbol | Absolute Maximum Rating | Unit |
|-------------------------|--------|-------------------------|------|
| Forward Current | IF | 420 | mA |
| Power Dissipation | PD | 5 | W |
| Electrostatic Discharge | ESD | -- | V |
| Operating Temperature | Topr | -30 ~ +40 | °C |
| Storage Temperature | Tstg | -40 ~ +60 | °C |
| Forward Voltage DC | Vf DC | IF = 400mA | V |
| | | Condition | Min |
| | | Typ | Max |
| | | | 16 |

NOTE: FOR OPTIMUM PERFORMANCE, USE OF A VOLTAGE REGULATED POWER SOURCE IS RECOMMENDED.

| | | | |
|--|------------------|--|--------------------------|
| | | METRIC DIMENSIONS ARE IN MILLIMETERS (INCHES) | |
| | | TOLERANCE UNLESS OTHERWISE SPECIFIED 1 PL +/-, REF. 2 PL +/-, REF. ANGLE +/-, 0 | |
| JKL COMPONENTS CORPORATION LED MR-16, 12V AC/DC, 5 WATTS | | JKL COMPONENTS CORPORATION | |
| DRAWN BY L. WENGSTROM | APP'D BY L.R. | DATE 10/7/09 | SIZE A |
| - CAD DRAWING - MANUAL REVISIONS NOT PERMITTED | | SCALE NONE | FSCM NO. 55335 |
| REV. NO. A | | DRAWING NO. Z-MR16-5W-X | RELEASED DATE 5/1/09 |
| SHEET 1 OF 2 | | REVISION DATE 10/7/09 | REV. NO. A |



JKL COMPONENTS CORPORATION

| | | | |
|-------|----------|---------------|-------------|
| SIZE | FSCM NO. | DRAWING NO. | Z-MR16-5W-X |
| A | 55335 | | |
| SCALE | NONE | RELEASED DATE | 5/1/09 |
| | | REVISION DATE | 10/7/09 |
| | | REV. NO. | A |
| | | SHEET | 2 OF 2 |