

| | |
|---------------|-------|
| Project Name: | Type: |
| Part Number: | Date: |



GREENCREATIVE

REFINE MR16 FAMILY

FEATURES

- Suitable to replace 42W, 50W, and 75W halogen MR16 lamps
- Powered by TRUE CHROMA (CRI \geq 95, Rf \geq 93, R9 \geq 50, SDCM \leq 3)
- Proprietary REFINE lens enables powerful light output without glare
- 10°, 15°, 25°, 35° beam angles
- Meets ANSI halogen MR16 size requirements
- Dimmable with forward and reverse phase controls*
- Suitable for use in damp locations and totally enclosed fixtures
- Fixture operating temperature: -13°F to 95°F (-25°C to 35°C)
- Lamp ambient temperature: -13°F to 113°F (-25°C to 45°C)
- Rated Lifetime (L70): 25,000hrs
- Industry leading 5 year warranty**



011821



SPECIFICATIONS - 42W / 50W Equivalent GU5.3

| Product | Model | Equiv. | Wattage (W) | CCT | Lumens (lm) | Efficacy (LPW) | Input Voltage | Beam Angle | CBCP (cd) | CRI | Dim.* | Power Factor | Base | Fixture Rating | TRUE CHROMA | ES / JA8 / T20 |
|---------|----------------------|--------|-------------|-------|-------------|----------------|---------------|------------|-----------|-----|-------|--------------|-------|----------------|-------------|----------------|
| 35767 | 7.5MR16DIM/927SP10/R | 42W | 7.5 | 2700K | 530 | 71 | 12V | 10° | 6,625 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35550 | 7MR16DIM/927SP15/R | 50W | 7 | 2700K | 490 | 70 | 12V | 15° | 5,145 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35551 | 7MR16DIM/927NF25/R | 50W | 7 | 2700K | 490 | 70 | 12V | 25° | 2,450 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35552 | 7MR16DIM/927FL35/R | 50W | 7 | 2700K | 490 | 70 | 12V | 35° | 1,425 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35768 | 7.5MR16DIM/930SP10/R | 42W | 7.5 | 3000K | 540 | 72 | 12V | 10° | 6,750 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35553 | 7MR16DIM/930SP15/R | 50W | 7 | 3000K | 500 | 71 | 12V | 15° | 5,250 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35554 | 7MR16DIM/930NF25/R | 50W | 7 | 3000K | 500 | 71 | 12V | 25° | 2,500 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35555 | 7MR16DIM/930FL35/R | 50W | 7 | 3000K | 500 | 71 | 12V | 35° | 1,450 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35769 | 7.5MR16DIM/940SP10/R | 42W | 7.5 | 4000K | 550 | 73 | 12V | 10° | 6,875 | 95 | Yes | 0.9 | GU5.3 | Enclosed | NO | ✓ / - / ✓ |
| 35556 | 7MR16DIM/940FL35/R | 50W | 7 | 4000K | 510 | 73 | 12V | 35° | 1,480 | 95 | Yes | 0.9 | GU5.3 | Enclosed | NO | ✓ / - / ✓ |

SPECIFICATIONS - 75W Equivalent GU5.3

| Product | Model | Equiv. | Wattage (W) | CCT | Lumens (lm) | Efficacy (LPW) | Input Voltage | Beam Angle | CBCP (cd) | CRI | Dim.* | Power Factor | Base | Fixture Rating | TRUE CHROMA | ES / JA8 / T20 |
|---------|----------------------|--------|-------------|-------|-------------|----------------|---------------|------------|-----------|-----|-------|--------------|-------|----------------|-------------|----------------|
| 35536 | 7.5MR16DIM/927SP15/R | 75W | 7.5 | 2700K | 530 | 71 | 12V | 15° | 5,570 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35537 | 7.5MR16DIM/927NF25/R | 75W | 7.5 | 2700K | 530 | 71 | 12V | 25° | 2,650 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35538 | 7.5MR16DIM/927FL35/R | 75W | 7.5 | 2700K | 530 | 71 | 12V | 35° | 1,540 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35539 | 7.5MR16DIM/930SP15/R | 75W | 7.5 | 3000K | 540 | 72 | 12V | 15° | 5,670 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35540 | 7.5MR16DIM/930NF25/R | 75W | 7.5 | 3000K | 540 | 72 | 12V | 25° | 2,700 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35541 | 7.5MR16DIM/930FL35/R | 75W | 7.5 | 3000K | 540 | 72 | 12V | 35° | 1,560 | 95 | Yes | 0.9 | GU5.3 | Enclosed | | ✓ / - / ✓ |
| 35542 | 7.5MR16DIM/940FL35/R | 75W | 7.5 | 4000K | 550 | 73 | 12V | 35° | 1,595 | 95 | Yes | 0.9 | GU5.3 | Enclosed | NO | ✓ / - / ✓ |

SPECIFICATIONS - 50W Equivalent GU10

| Product | Model | Equiv. | Wattage (W) | CCT | Lumens (lm) | Efficacy (LPW) | Input Voltage | Beam Angle | CBCP (cd) | CRI | Dim.* | Power Factor | Base | Fixture Rating | TRUE CHROMA | ES / JA8 / T20 |
|---------|------------------|--------|-------------|-------|-------------|----------------|---------------|------------|-----------|-----|-------|--------------|------|----------------|-------------|----------------|
| 35558 | 5GU10DIM/927NF25 | 50W | 5 | 2700K | 380 | 76 | 120V | 25° | 1,900 | 95 | Yes | 0.9 | GU10 | Enclosed | | ✓ / - / ✓ |
| 35559 | 5GU10DIM/927FL35 | 50W | 5 | 2700K | 380 | 76 | 120V | 35° | 1,105 | 95 | Yes | 0.9 | GU10 | Enclosed | | ✓ / - / ✓ |
| 35561 | 5GU10DIM/930NF25 | 50W | 5 | 3000K | 390 | 78 | 120V | 25° | 1,450 | 95 | Yes | 0.9 | GU10 | Enclosed | | ✓ / - / ✓ |
| 35562 | 5GU10DIM/930FL35 | 50W | 5 | 3000K | 390 | 78 | 120V | 35° | 1,950 | 95 | Yes | 0.9 | GU10 | Enclosed | | ✓ / - / ✓ |
| 35563 | 5GU10DIM/940FL35 | 50W | 5 | 4000K | 400 | 80 | 120V | 35° | 1,160 | 95 | Yes | 0.9 | GU10 | Enclosed | NO | ✓ / - / ✓ |

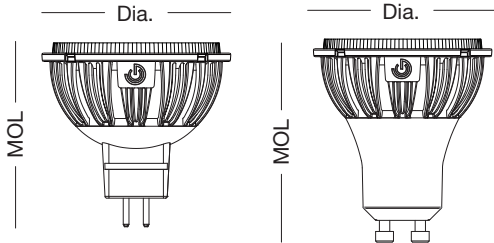
* This lamp might not be compatible with all dimmers and low-voltage transformers. Please visit www.greencreative.com for compatibility information.

** Please visit www.greencreative.com for Limited Warranty terms.



REFINE MR16 FAMILY

DIMENSIONS & WEIGHT



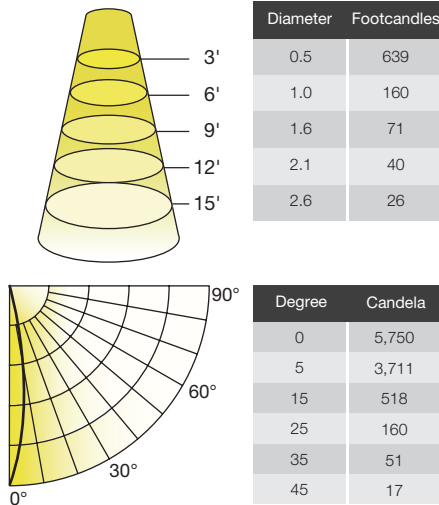
| Model | Base | MOL | Dia. | Weight |
|----------------------|-------|---------|------|--------|
| 7.5MR16DIM/xxxxyyy/R | GU5.3 | 1-7/8" | 2" | 0.11lb |
| 7MR16DIM/xxxxyyy/R | GU5.3 | 1-7/8" | 2" | 0.11lb |
| 5GU10DIM/xxxxyyy | GU10 | 2-3/16" | 2" | 0.11lb |

Where xxx means 824-965 which indicates CRI and color temperature
Where yyyy means beam angle

ILLUMINANCE & CANDELA DISTRIBUTION

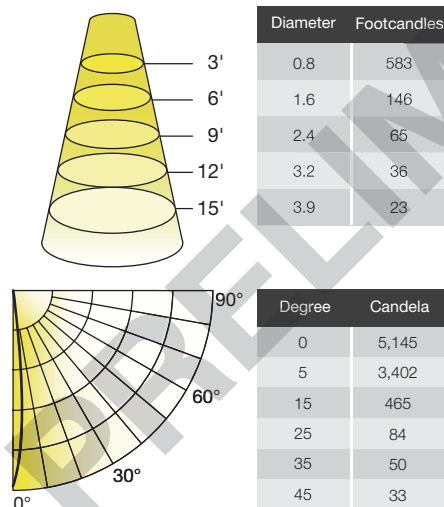
42W Equivalence

7.5MR16DIM/930SP10/R

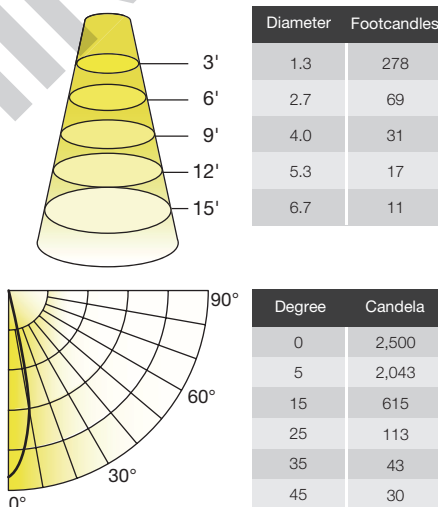


50W Equivalence

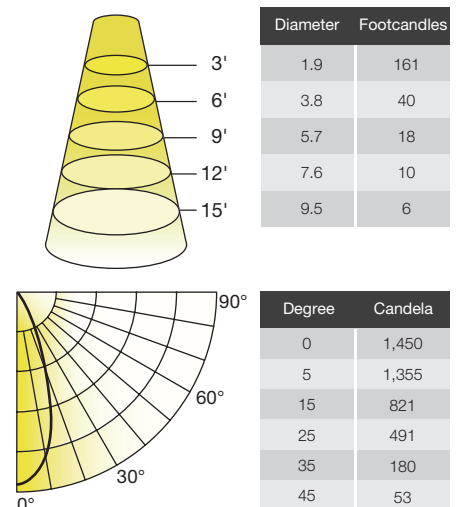
7MR16DIM/930SP15/R



7MR16DIM/930NF25/R



7MR16DIM/930FL35/R



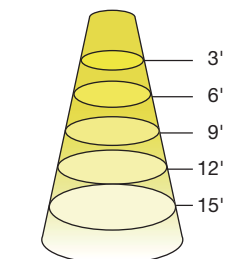


MR16 TRUE CHROMA FAMILY

ILLUMINANCE & CANDELA DISTRIBUTION

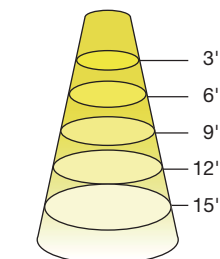
50W Equivalence

5GU10DIM/930NF25

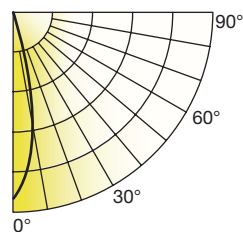


| Diameter | Footcandles |
|----------|-------------|
| 1.3 | 217 |
| 3.8 | 54 |
| 5.7 | 24 |
| 7.6 | 14 |
| 9.5 | 9 |

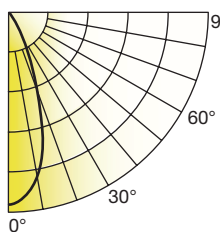
5GU10DIM/930FL35



| Diameter | Footcandles |
|----------|-------------|
| 1.9 | 126 |
| 3.8 | 32 |
| 5.7 | 14 |
| 7.6 | 8 |
| 9.5 | 5 |



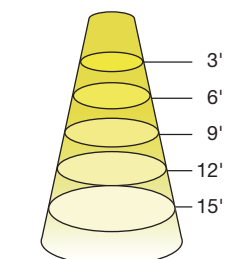
| Degree | Candela |
|--------|---------|
| 0 | 1,950 |
| 5 | 1,646 |
| 15 | 417 |
| 25 | 91 |
| 35 | 23 |
| 45 | 7 |



| Degree | Candela |
|--------|---------|
| 0 | 1,135 |
| 5 | 1,045 |
| 15 | 623 |
| 25 | 153 |
| 35 | 30 |
| 45 | 8 |

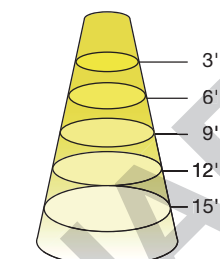
75W Equivalence

7.5MR16DIM/930SP15/R



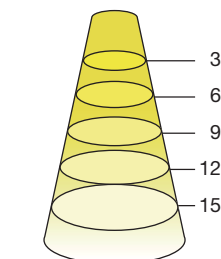
| Diameter | Footcandles |
|----------|-------------|
| 0.8 | 630 |
| 1.6 | 158 |
| 2.4 | 70 |
| 3.2 | 39 |
| 3.9 | 25 |

7.5MR16DIM/930NF25/R

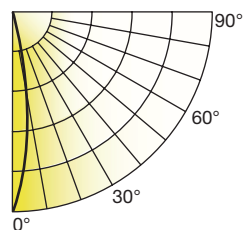


| Diameter | Footcandles |
|----------|-------------|
| 1.3 | 300 |
| 2.7 | 75 |
| 4.0 | 33 |
| 5.3 | 19 |
| 6.7 | 12 |

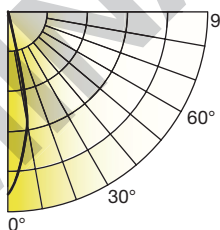
7.5MR16DIM/930FL35/R



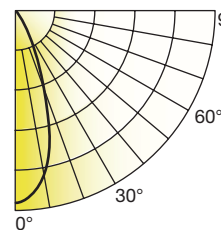
| Diameter | Footcandles |
|----------|-------------|
| 1.9 | 173 |
| 3.8 | 43 |
| 5.7 | 19 |
| 7.6 | 11 |
| 9.5 | 7 |



| Degree | Candela |
|--------|---------|
| 0 | 5,670 |
| 5 | 3,711 |
| 15 | 518 |
| 25 | 160 |
| 35 | 51 |
| 45 | 17 |



| Degree | Candela |
|--------|---------|
| 0 | 2,700 |
| 5 | 2,311 |
| 15 | 559 |
| 25 | 122 |
| 35 | 29 |
| 45 | 9 |



| Degree | Candela |
|--------|---------|
| 0 | 1,560 |
| 5 | 1,451 |
| 15 | 878 |
| 25 | 210 |
| 35 | 39 |
| 45 | 11 |

For other CCT use the following multiplier: 2700K .98, 4000K 1.02