

Project Name:	Type:
Part Number:	Date:

REFINE MR16 FAMILY

FEATURES

- Suitable to replace 42W, 50W, and 75W halogen MR16 lamps
- Powered by TRUE CHROMA (CRI≥95, Rf≥93, R9≥50, SDCM≤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**
- Compatible with TRUE BEAM accessories***



DIGITAL NAVIGATION

Explore the spec sheet through the links below

- [SPECIFICATIONS](#)
- [ACCESSORY ORDERING INFORMATION](#)
- [COLOR ACCURACY & SPECTRAL POWER DISTRIBUTION](#)
- [LOGISTIC INFORMATION](#)
- [DIMENSION & WEIGHT](#)
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SPECIFICATIONS

42W / 50W Equivalent GU5.3

Product	Model	Equiv.	Wattage (W)	CCT	Lumens	Efficacy (LPW)	Input Voltage	Beam Angle	CBCP (cd)	CRI	Dim.*	Power Factor	Base	Fixture Rating	True Chroma	JA8	T20	DOE
35767	7.5MR16DIM/927SP10/R	42W	7.5	2700K	530	71	12V	10°	7,000	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	N.A.
36114	7.5MR16DIM/927SP10/RC	42W	7.5	2700K	530	71	12V	10°	7,000	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
35550	7MR16DIM/927SP15/R	50W	7	2700K	490	70	12V	15°	5,145	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	N.A.
36119	7MR16DIM/927FL35/RC	50W	7	2700K	490	70	12V	35°	1,425	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36115	7.5MR16DIM/930SP10/RC	42W	7.5	3000K	540	72	12V	10°	7,200	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36120	7MR16DIM/930SP15/RC	50W	7	3000K	500	71	12V	15°	5,250	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36121	7MR16DIM/930NF25/RC	50W	7	3000K	500	71	12V	25°	2,900	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36122	7MR16DIM/930FL35/RC	50W	7	3000K	500	71	12V	35°	1,450	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36116	7.5MR16DIM/940SP10/RC	42W	7.5	4000K	550	73	12V	10°	7,400	95	Yes	0.9	GU5.3	Enclosed	No	✓	✓	✓
36123	7MR16DIM/940FL35/RC	50W	7	4000K	510	73	12V	35°	1,480	95	Yes	0.9	GU5.3	Enclosed	No	✓	✓	✓

75W Equivalent GU5.3

Product	Model	Equiv.	Wattage (W)	CCT	Lumens	Efficacy (LPW)	Input Voltage	Beam Angle	CBCP (cd)	CRI	Dim.*	Power Factor	Base	Fixture Rating	True Chroma	JA8	T20	DOE
36124	7.5MR16DIM/927SP15/RC	75W	7.5	2700K	530	71	12V	15°	5,570	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36125	7.5MR16DIM/927NF25/RC	75W	7.5	2700K	530	71	12V	25°	3,000	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36126	7.5MR16DIM/927FL35/RC	75W	7.5	2700K	530	71	12V	35°	1,540	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36127	7.5MR16DIM/930SP15/RC	75W	7.5	3000K	540	72	12V	15°	5,670	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36128	7.5MR16DIM/930NF25/RC	75W	7.5	3000K	540	72	12V	25°	3,100	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36129	7.5MR16DIM/930FL35/RC	75W	7.5	3000K	540	72	12V	35°	1,560	95	Yes	0.9	GU5.3	Enclosed	Yes	✓	✓	✓
36130	7.5MR16DIM/940FL35/RC	75W	7.5	4000K	550	73	12V	35°	1,595	95	Yes	0.9	GU5.3	Enclosed	No	✓	✓	✓

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REFINE MR16 FAMILY

SPECIFICATIONS

50W Equivalent GU10

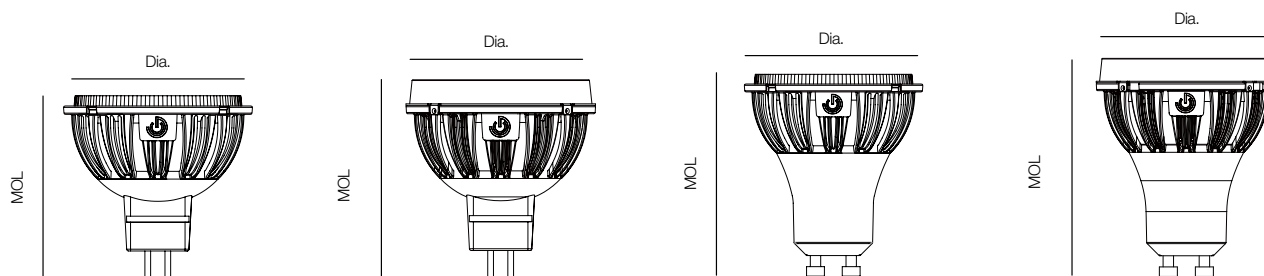
Product	Model	Equiv.	Wattage (W)	CCT	Lumens	Efficacy (LPW)	Input Voltage	Beam Angle	CBCP (cd)	CRI	Dim.*	Power Factor	Base	Fixture Rating	True Chroma	JA8	T20	DOE
35558	5GU10DIM/927NF25	50W	5	2700K	380	76	120V	25°	1,900	95	Yes	0.9	GU10	Enclosed	Yes	✓	✓	✓
35559	5GU10DIM/927FL35	50W	5	2700K	380	76	120V	35°	1,105	95	Yes	0.9	GU10	Enclosed	Yes	✓	✓	✓
35561	5GU10DIM/930NF25	50W	5	3000K	390	78	120V	25°	1,950	95	Yes	0.9	GU10	Enclosed	Yes	✓	✓	✓
35562	5GU10DIM/930FL35	50W	5	3000K	390	78	120V	35°	1,135	95	Yes	0.9	GU10	Enclosed	Yes	✓	✓	✓
35563	5GU10DIM/940FL35	50W	5	4000K	400	80	120V	35°	1,160	95	Yes	0.9	GU10	Enclosed	No	✓	✓	✓

75W Equivalent GU10

Product	Model	Equiv.	Wattage (W)	CCT	Lumens	Efficacy (LPW)	Input Voltage	Beam Angle	CBCP (cd)	CRI	Dim.*	Power Factor	Base	Fixture Rating	True Chroma	JA8	T20	DOE
37008	6.5GU10DIM/927SP10	75W	6.5	2700K	460	71	120V	10°	6,160	95	Yes	0.9	GU10	Enclosed	Yes	✓	✓	✓
35544	6.5GU10DIM/927NF25	75W	6.5	2700K	460	71	120V	25°	2,300	95	Yes	0.9	GU10	Enclosed	Yes	✓	✓	✓
35545	6.5GU10DIM/927FL35	75W	6.5	2700K	460	71	120V	35°	1,330	95	Yes	0.9	GU10	Enclosed	Yes	✓	✓	✓
37009	6.5GU10DIM/930SP10	75W	6.5	3000K	470	72	120V	10°	6,290	95	Yes	0.9	GU10	Enclosed	Yes	✓	✓	✓
35547	6.5GU10DIM/930NF25	75W	6.5	3000K	470	72	120V	25°	2,350	95	Yes	0.9	GU10	Enclosed	Yes	✓	✓	✓
35548	6.5GU10DIM/930FL35	75W	6.5	3000K	470	72	120V	35°	1,370	95	Yes	0.9	GU10	Enclosed	Yes	✓	✓	✓
37010	6.5GU10DIM/940SP10	75W	6.5	4000K	480	74	120V	10°	6,425	95	Yes	0.9	GU10	Enclosed	No	✓	✓	✓

FOOTNOTES:
 * 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.
 *** To achieve the best performance, we recommend to use our linear/square/wide lenses in combination with our REFINE 10° lamps (36114/36115/36116/37008/37009/37010). Other media can be used with all REFINE MR lamps (36114 to 36130, 35544 to 35563, and 37008 to 37010).

DIMENSION & WEIGHT



Model	Base	MOL	Dia.	Weight
7.5MR16DIM/xxxxxxx/R	GU5.3	1-7/8"	2"	0.11 lb
7.5MR16DIM/xxxxxxx/RC	GU5.3	1-7/8"	2"	0.11 lb
7MR16DIM/xxxxxxx/R	GU5.3	1-7/8"	2"	0.11 lb
7MR16DIM/xxxxxxx/RC	GU5.3	1-7/8"	2"	0.11 lb
6.5GU10DIM/xxxxxxx	GU10	2-3/16"	2"	0.14 lb
5GU10DIM/xxxxxxx	GU10	2-3/16"	2"	0.11 lb
7.5MR16DIM/xxxxxxx/RC + One Lens	GU5.3	2-1/16"	2"	0.13 lb
7MR16DIM/xxxxxxx/RC + One Lens	GU5.3	2-1/16"	2"	0.13 lb
6.5GU10DIM/xxxxxxx + One Lens	GU10	2-3/8"	2"	0.16 lb
5GU10DIM/xxxxxxx + One Lens	GU10	2-3/8"	2"	0.13 lb

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

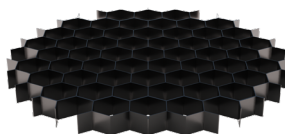
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REFINE MR16 FAMILY

ACCESSORY ORDERING INFORMATION

HONEYCOMB LOUVER

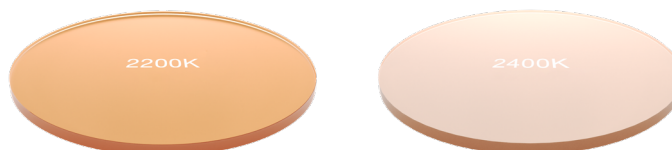
Reduces glare and softens beam patterns.



Product	Model	Description	Cutoff Angle	CBCP of 10° Lamp
35808	MR/ACC/HC	Honeycomb louver	40°	66%

CCT SHIFT LENS

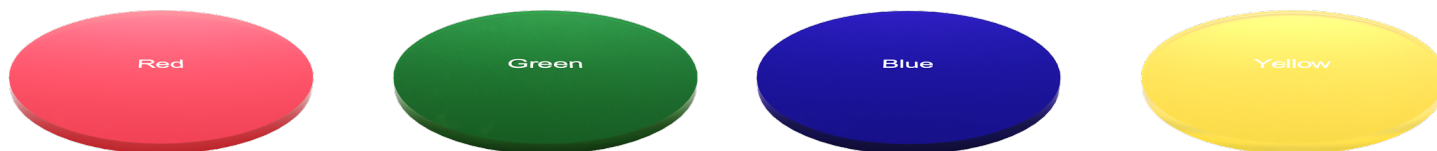
Adjust the feel of any space by adding CCT lens options.



Product	Model	Description	Lumen Transmissivity	CCT Shift Effect
35809	MR/ACC/CCT22	Shift lens 2200K	80%	2700K to 2200K
35810	MR/ACC/CCT24	Shift lens 2400K	85%	2700K to 2400K

COLOR LENS

Adjust the feel of any space by adding color lens options.



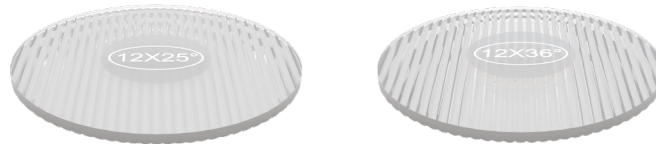
Product	Model	Description	Lumen Transmissivity	CCT Shift Effect
35811	MR/ACC/RED	Shift lens Red	39%	Red
35812	MR/ACC/GRE	Shift lens Green	42%	Green
35813	MR/ACC/BLE	Shift lens Blue	26%	Blue
35814	MR/ACC/YLW	Shift lens Yellow	86%	Yellow

REFINE MR16 FAMILY

ACCESSORY ORDERING INFORMATION

LINEAR DISTRIBUTION LENS

Provides an elliptical linear shaped light distribution.

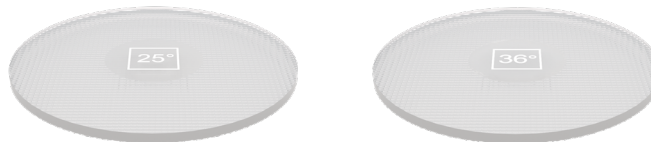


Product	Model	Description	Lumen Transmissivity	CBCP of 10° Lamp	Field Angle Horiz.	Field Angle Vert.
35815	MR/ACC/LN1225	Linear distribution lens 12x25°	80%	35%	12°	25°
35816	MR/ACC/LN1236	Linear distribution lens 12x36°	80%	23%	12°	36°

To achieve the best performance, we recommend to use our linear/square/wide lenses in combination with our REFINE 10° lamps (36114/36115/36116).

SQUARE DISTRIBUTION LENS

Provides a square shaped light distribution.



Product	Model	Description	Lumen Transmissivity	CBCP of 10° Lamp	Field Angle
35818	MR/ACC/SQ2525	Square distribution lens 25°	80%	19%	25°
35819	MR/ACC/SQ3636	Square distribution lens 36°	80%	11%	36°

To achieve the best performance, we recommend to use our linear/square/wide lenses in combination with our REFINE 10° lamps (36114/36115/36116).

WIDE DISTRIBUTION LENS

Maximizes wide distribution illumination for general lighting applications.



Product	Model	Description	Lumen Transmissivity	CBCP of 10° Lamp	Field Angle
35820	MR/ACC/RD6060	Wide distribution lens 60°	78%	6%	60°

To achieve the best performance, we recommend to use our linear/square/wide lenses in combination with our REFINE 10° lamps (36114/36115/36116).

REFINE MR16 FAMILY

ACCESSORY ORDERING INFORMATION

WALL WASH LENS

Bends the beam from 0° to 20° maximum deflection angle while maintaining uniform and consistent color and shape.



Product	Model	Description	Lumen Transmissivity	CBCP of 10° Lamp	Max. Deflection
35821	MR/ACC/WW10D	Wall wash lens 10°	80%	63%	10°
35822	MR/ACC/WW20D	Wall wash lens 20°	80%	60%	20°

RETAINING CLIP

CLIP1 is single lens holder

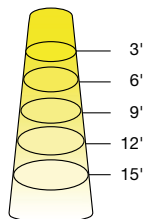


Product	Model	Description
35806	MR/ACC/CP1	Single accessory retaining clip

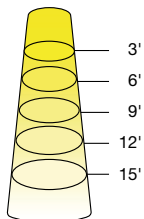


REFINE MR16 FAMILY

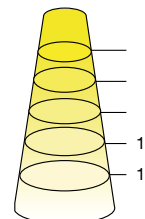
PHOTOMETRY

7.5MR16DIM/930SP10/R
7.5MR16DIM/930SP10/RC

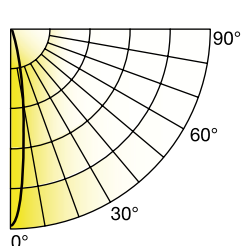
Diameter	Footcandles
0.5	639
1.0	160
1.6	71
2.1	40
2.6	26

7MR16DIM/930SP15/R
7MR16DIM/930SP15/RC

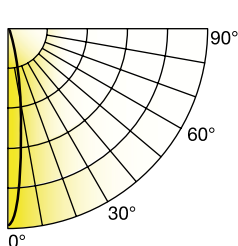
Diameter	Footcandles
0.8	583
1.6	146
2.4	65
3.2	36
3.9	23

7MR16DIM/930NF25/R
7MR16DIM/930NF25/RC

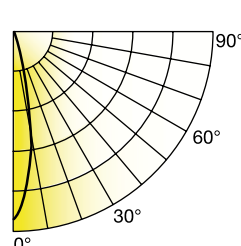
Diameter	Footcandles
1.3	278
2.7	69
4.0	31
5.3	17
6.7	11



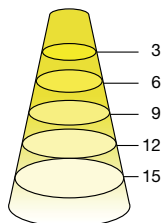
Degree	Candela
0	5,750
5	3,711
15	518
25	160
35	51
45	17



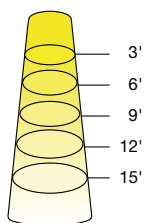
Degree	Candela
0	5,145
5	3,402
15	465
25	84
35	50
45	33



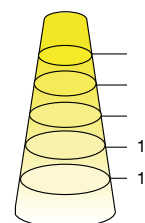
Degree	Candela
0	2,500
5	2,043
15	615
25	113
35	43
45	30

7MR16DIM/930FL35/R
7MR16DIM/930FL35/RC

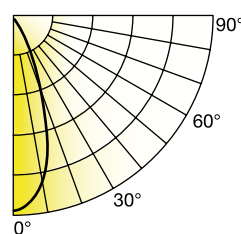
Diameter	Footcandles
1.9	161
3.8	40
5.7	18
7.6	10
9.5	6

7.5MR16DIM/930SP15/R,
7.5MR16DIM/930SP15/RC

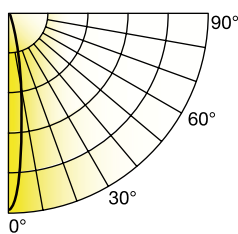
Diameter	Footcandles
0.8	630
1.6	158
2.4	70
3.2	39
3.9	25

7.5MR16DIM/930NF25/R
7.5MR16DIM/930NF25/RC

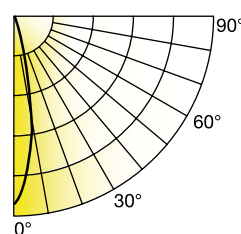
Diameter	Footcandles
1.3	300
2.7	75
4.0	33
5.3	19
6.7	12



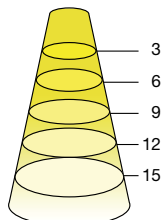
Degree	Candela
0	1,450
5	1,355
15	821
25	491
35	180
45	53



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

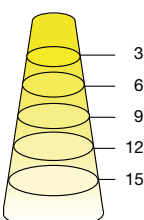


Degree	Candela
0	2,700
5	2,311
15	559
25	122
35	29
45	9

7.5MR16DIM/930FL35/R
7.5MR16DIM/930FL35/RC

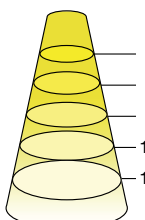
Diameter	Footcandles
1.9	173
3.8	43
5.7	19
7.6	11
9.5	7

5GU10DIM/930NF25

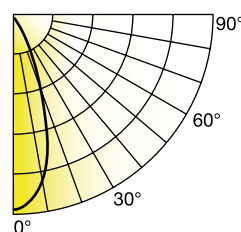


Diameter	Footcandles
1.3	217
3.8	54
5.7	24
7.6	14
9.5	9

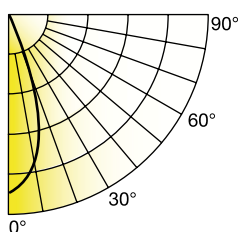
5GU10DIM/930FL35



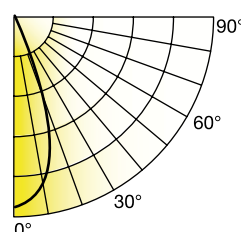
Diameter	Footcandles
1.9	126
3.8	32
5.7	14
7.6	8
9.5	5



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



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



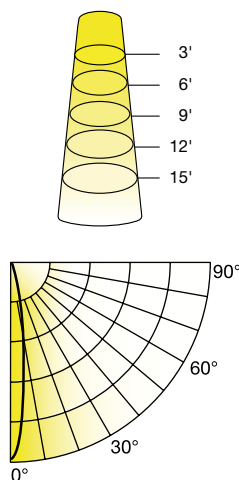
Degree	Candela
0	1,135
5	1,045
15	623
25	153
35	30
45	8



REFINE MR16 FAMILY

PHOTOMETRY

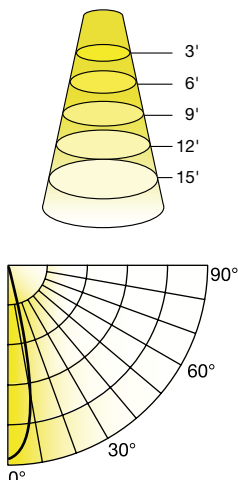
6.5GU10DIM/930SP10



Diameter	Footcandles
0.5	956
1.0	239
1.6	106
2.1	60
2.6	38

Degree	Candela
0	6,815
5	4,813
15	515
25	113
35	0
45	0

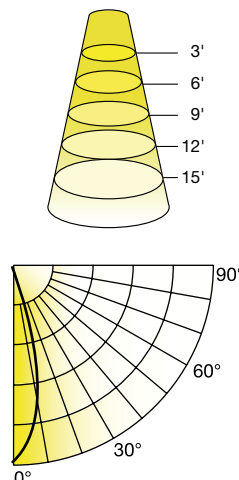
6.5GU10DIM/930NF25



Diameter	Footcandles
1.3	34
2.7	87
4.0	39
5.3	23
6.7	14

Degree	Candela
0	3,057
5	2,489
15	750
25	142
35	35
45	10

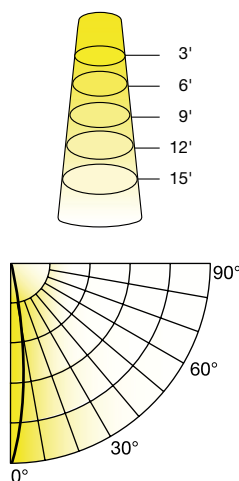
6.5GU10DIM/930FL35



Diameter	Footcandles
1.9	200
3.8	50
5.7	22
7.6	13
9.5	8

Degree	Candela
0	1,773
5	1,566
15	867
25	223
35	51
45	15

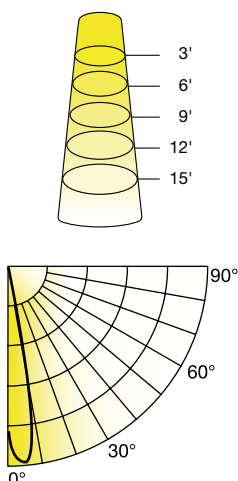
7.5MR16DIM/927SP10/RC



Diameter	Footcandles
0.5	834
1.0	209
1.6	93
2.1	52
2.6	33

Degree	Candela
0	6,945
5	3,993
15	449
25	126
35	36
45	13

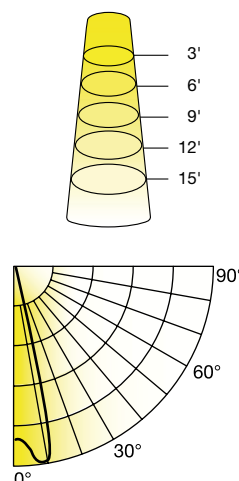
7.5MR16DIM/927SP10/RC + MR/ACC/LN1225



Diameter	Footcandles
0.5	287
1.1	72
1.6	32
2.1	18
2.6	12

Degree	Candela
0	2,438
5	1,959
15	731
25	159
35	61
45	29

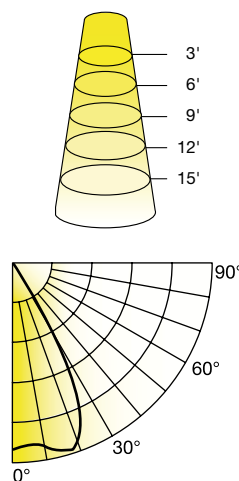
7.5MR16DIM/927SP10/RC + MR/ACC/LN1236



Diameter	Footcandles
0.5	234
1.1	59
1.6	26
2.1	15
2.6	9

Degree	Candela
0	1,897
5	1,560
15	893
25	172
35	57
45	27

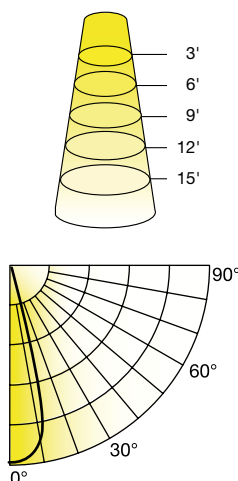
7.5MR16DIM/927SP10/RC + MR/ACC/LN1260



Diameter	Footcandles
0.5	133
1.1	33
1.6	15
2.1	8
2.6	5

Degree	Candela
0	1,157
5	929
15	700
25	559
35	151
45	39

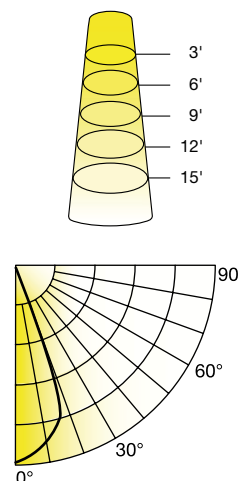
7.5MR16DIM/927SP10/RC + MR/ACC/SQ2525



Diameter	Footcandles
0.5	162
1.1	41
1.6	18
2.1	10
2.6	7

Degree	Candela
0	1,445
5	1,412
15	726
25	139
35	61
45	24

7.5MR16DIM/927SP10/RC + MR/ACC/SQ3636



Diameter	Footcandles
0.5	95
1.1	24
1.6	11
2.1	6.0
2.6	4

Degree	Candela
0	854
5	838
15	681
25	241
35	63
45	28

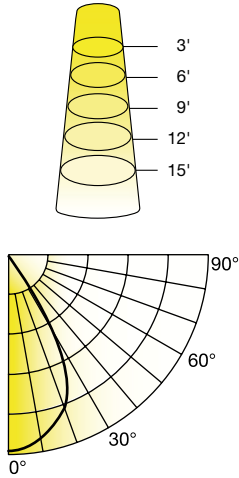
REFINE MR16 FAMILY

PHOTOMETRY

7.5MR16DIM/927SP10/RC + MR/ACC/RD6060

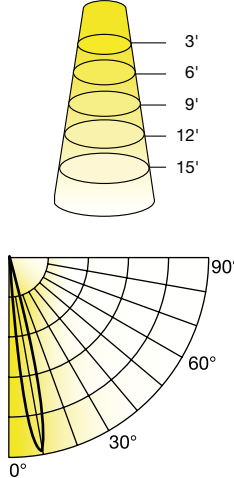
7.5MR16DIM/927SP10/RC + MR/ACC/WW10D

7.5MR16DIM/927SP10/RC + MR/ACC/WW20D



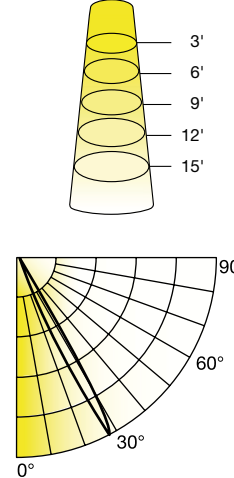
Diameter	Footcandles
0.5	46
1.0	11
1.6	5
2.1	3
2.6	2

Degree	Candela
0	408
5	408
15	376
25	244
35	109
45	50



Diameter	Footcandles
0.5	646
1.0	162
1.6	72
2.1	40
2.6	26

Degree	Candela
0	1,943
5	2,836
15	885
25	170
35	68
45	29

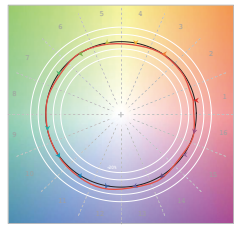
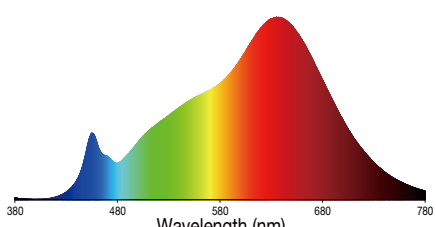
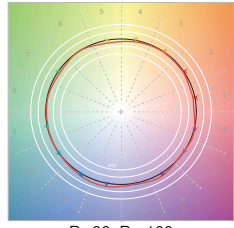
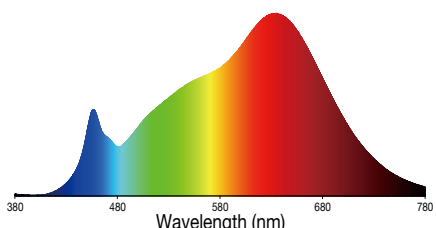
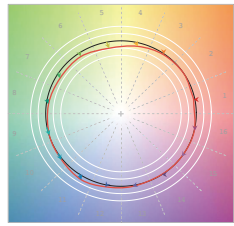
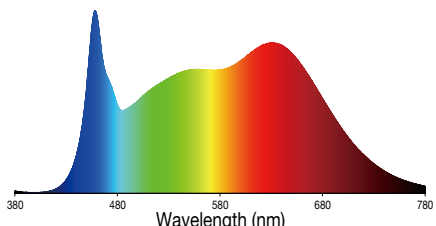


Diameter	Footcandles
0.5	586
1.1	146
1.6	65
2.1	37
2.6	23

Degree	Candela
0	380
5	457
15	2348
25	703
35	106
45	48

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

COLOR ACCURACY & SPECTRAL POWER DISTRIBUTION

CCT	COLOR ACCURACY	SPECTRAL POWER DISTRIBUTION
2700K	 Rr: 94, Rg: 100	 Wavelength (nm)
3000K	 Rr: 93, Rg: 100	 Wavelength (nm)
4000K	 Rr: 90, Rg: 97	 Wavelength (nm)

Rr: TM-30 metric measuring color fidelity (whether colors are similar to those under natural light). Rr is a more accurate version of the CRI Ra. Rr is 100 for natural light.
Rg: TM-30 metric measuring color gamut (whether colors are more saturated than under natural light). Rg is 100 for natural light.



REFINE MR16 FAMILY

LOGISTIC INFORMATION

Model	Master Carton			Shipping Carton		
	Case Qty	Case Dimensions (LxWxH)	Case Weight	Case Qty	Case Dimensions (LxWxH)	Case Weight
7.5MR16DIM/xxxxyyy/R	12PCS	8-7/8" x 6-11/16" x 2-3/4"	1.75 lb	48PCS	13-7/8" x 9-1/4" x 6-5/8"	7.5 lb
7.5MR16DIM/xxxxyyy/RC	12PCS	8-7/8" x 6-11/16" x 2-3/4"	1.75 lb	48PCS	13-7/8" x 9-1/4" x 6-5/8"	7.5 lb
7MR16DIM/xxxxyyy/R	12PCS	8-7/8" x 6-11/16" x 2-3/4"	1.75 lb	48PCS	13-7/8" x 9-1/4" x 6-5/8"	7.5 lb
7MR16DIM/xxxxyyy/RC	12PCS	8-7/8" x 6-11/16" x 2-3/4"	1.75 lb	48PCS	13-7/8" x 9-1/4" x 6-5/8"	7.5 lb
5GU10DIM/xxxxyyy	12PCS	8-7/8" x 6-11/16" x 2-15/16"	1.86 lb	48PCS	13-7/8" x 9-1/4" x 7"	8.13 lb
6.5GU10DIM/xxxxyyy	12PCS	8-7/8" x 6-11/16" x 2-15/16"	2.20 lb	48PCS	13-7/8" x 9-1/4" x 7"	9.26 lb
MR/ACC/HC	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	0.38lb
MR/ACC/LN1225	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/LN1236	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/LN1260	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/RED	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/GRE	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/BLE	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/YLW	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/CCT22	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/CCT24	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/SQ2525	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/SQ3636	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.30lb
MR/ACC/RD6060	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.37lb
MR/ACC/WW10D	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.26lb
MR/ACC/WW20D	N.A.	N.A.	N.A.	100PCS	8-15/16" x 4-5/8" x 3-3/8"	1.15lb
MR/ACC/CP1	N.A.	N.A.	N.A.	100PCS	12-1/2" x 6-3/4" x 3-3/8"	1.48 lb

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