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≥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
DIMENSION & WEIGHT
ACCESSORY ORDERING INFORMATION
PHOTOMETRY
COLOR ACCURACY & SPECTRAL POWER DISTRIBUTION
LOGISTIC INFORMATION

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

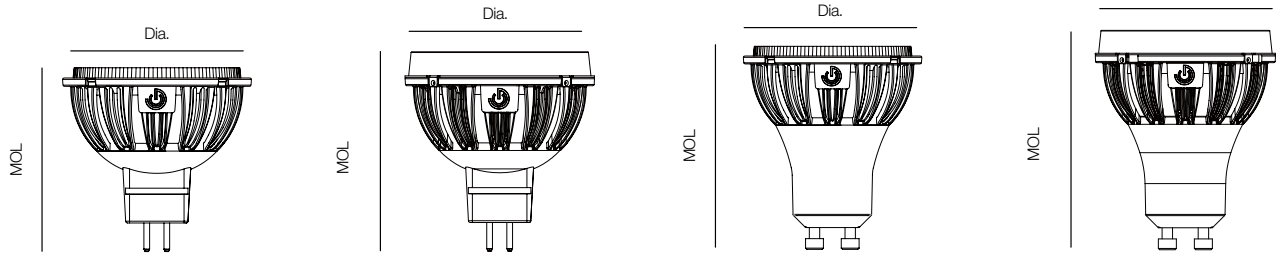
Product	Model	Equiv.	Wattage (W)	CCT	Lumens	Efficacy (LPW)	Input Voltage	Beam Angle	CBCP (cd)	CRI	Dim.*	Power Factor	Base	Fixture Rating	True Chroma	JA8	T20	DOE
35558	5GU10DIM/927NF25	50W	5	2700K	380	76	120V	25°	1,900	95	Yes	0.9	GU10	Enclosed	Yes	√	√	√
35559	5GU10DIM/927FL35	50W	5	2700K	380	76	120V	35°	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/xxxyyyy/R	GU5.3	1-7/8"	2"	0.11 lb
7.5MR16DIM/xxxyyyy/RC	GU5.3	1-7/8"	2"	0.11 lb
7MR16DIM/xxxyyyy/R	GU5.3	1-7/8"	2"	0.11 lb
7MR16DIM/xxxyyyy/RC	GU5.3	1-7/8"	2"	0.11 lb
6.5GU10DIM/xxxyyyy	GU10	2-3/16"	2"	0.14 lb
5GU10DIM/xxxyyyy	GU10	2-3/16"	2"	0.11 lb
7.5MR16DIM/xxxyyyy/RC + One Lens	GU5.3	2-1/16"	2"	0.13 lb
7MR16DIM/xxxyyyy/RC + One Lens	GU5.3	2-1/16"	2"	0.13 lb
6.5GU10DIM/xxxyyyy + One Lens	GU10	2-3/8"	2"	0.16 lb
5GU10DIM/xxxyyyy + 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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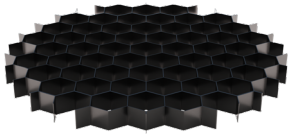
REFINE MR16 FAMILY

ACCESSORY ORDERING INFORMATION

HONEYCOMB LOUVER

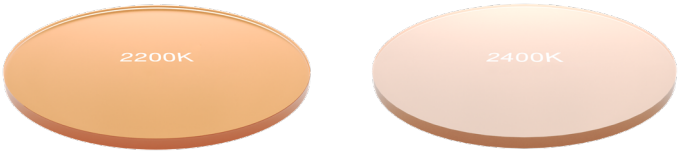
Reduces glare and softens beam patterns.



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

CCT SHIFT LENS

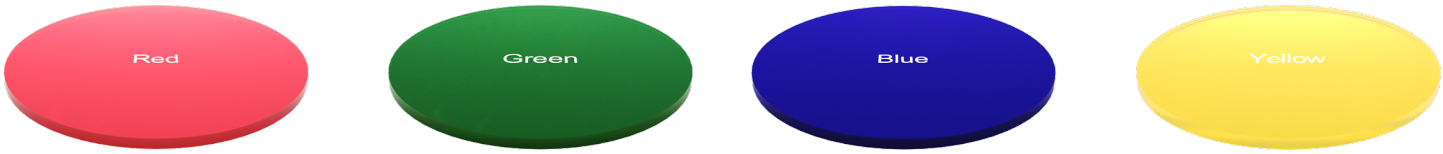
Adjust the feel of any space by adding CCT lens options.



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

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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).

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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

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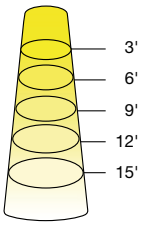
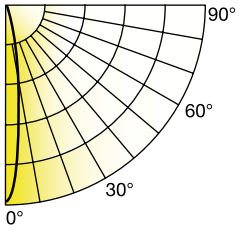
REFINE MR16 FAMILY

PHOTOMETRY

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

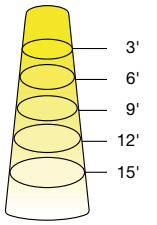


Diameter	Footcandles
0.5	639
1.0	160
1.6	71
2.1	40
2.6	26

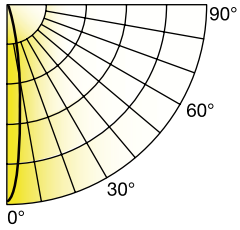


Degree	Candela
0	5,750
5	3,711
15	518
25	160
35	51
45	17

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

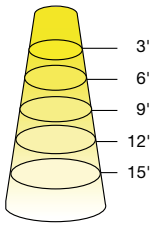


Diameter	Footcandles
0.8	583
1.6	146
2.4	65
3.2	36
3.9	23

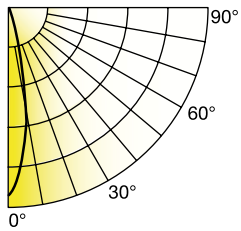


Degree	Candela
0	5,145
5	3,402
15	465
25	84
35	50
45	33

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

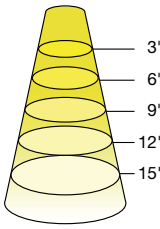


Diameter	Footcandles
1.3	278
2.7	69
4.0	31
5.3	17
6.7	11

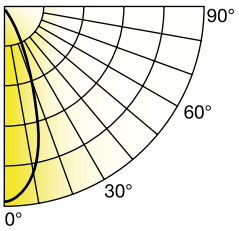


Degree	Candela
0	2,500
5	2,043
15	615
25	113
35	43
45	30

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

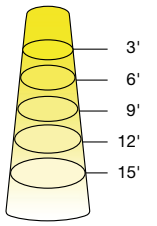


Diameter	Footcandles
1.9	161
3.8	40
5.7	18
7.6	10
9.5	6

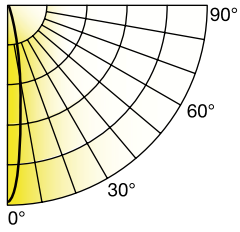


Degree	Candela
0	1,450
5	1,355
15	821
25	491
35	180
45	53

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

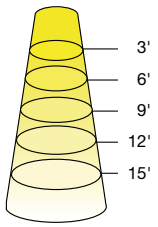


Diameter	Footcandles
0.8	630
1.6	158
2.4	70
3.2	39
3.9	25

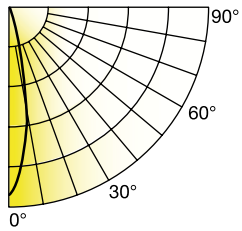


Degree	Candela
0	5,670
5	3,711
15	518
25	160
35	51
45	17

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

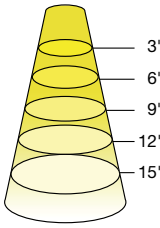


Diameter	Footcandles
1.3	300
2.7	75
4.0	33
5.3	19
6.7	12

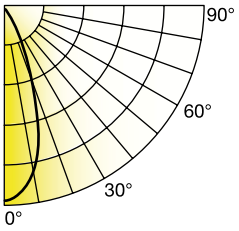


Degree	Candela
0	2,700
5	2,311
15	559
25	122
35	29
45	9

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

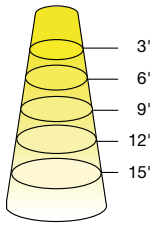


Diameter	Footcandles
1.9	173
3.8	43
5.7	19
7.6	11
9.5	7

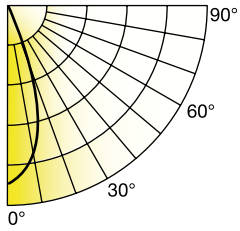


Degree	Candela
0	1,560
5	1,451
15	878
25	210
35	39
45	11

5GU10DIM/930NF25

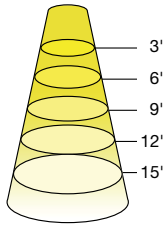


Diameter	Footcandles
1.3	217
3.8	54
5.7	24
7.6	14
9.5	9

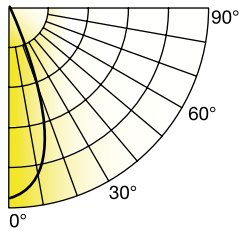


Degree	Candela
0	1,950
5	1,646
15	417
25	91
35	23
45	7

5GU10DIM/930FL35



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



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

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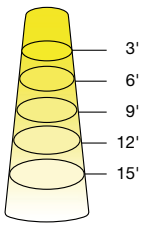
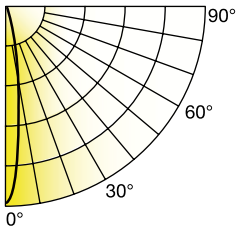
REFINE MR16 FAMILY

PHOTOMETRY

6.5GU10DIM/930SP10

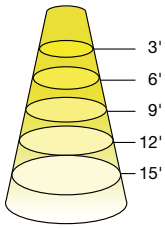


Diameter	Footcandles
0.5	956
1.0	239
1.6	106
2.1	60
2.6	38

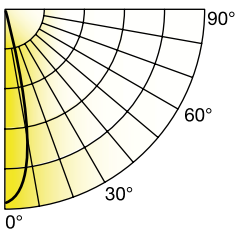


Degree	Candela
0	6,815
5	4,813
15	515
25	113
35	0
45	0

6.5GU10DIM/930NF25

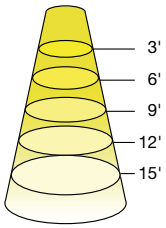


Diameter	Footcandles
1.3	34
2.7	87
4.0	39
5.3	23
6.7	14

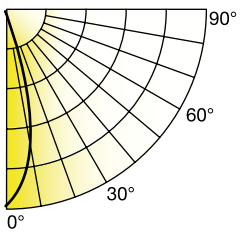


Degree	Candela
0	3,057
5	2,489
15	750
25	142
35	35
45	10

6.5GU10DIM/930FL35

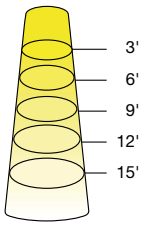


Diameter	Footcandles
1.9	200
3.8	50
5.7	22
7.6	13
9.5	8

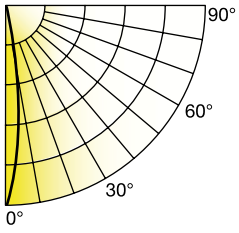


Degree	Candela
0	1,773
5	1,566
15	867
25	223
35	51
45	15

7.5MR16DIM/927SP10/RC

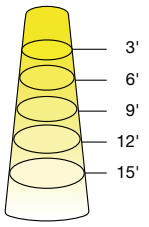


Diameter	Footcandles
0.5	834
1.0	209
1.6	93
2.1	52
2.6	33

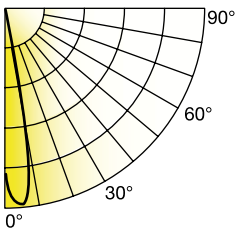


Degree	Candela
0	6,945
5	3,993
15	449
25	126
35	36
45	13

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

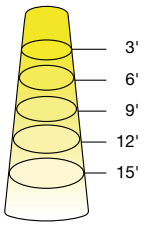


Diameter	Footcandles
0.5	287
1.1	72
1.6	32
2.1	18
2.6	12

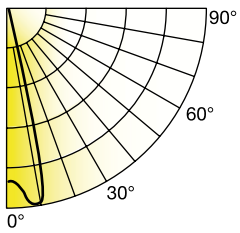


Degree	Candela
0	2,438
5	1,959
15	731
25	159
35	61
45	29

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

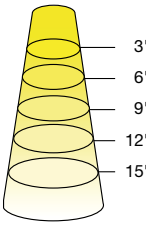


Diameter	Footcandles
0.5	234
1.1	59
1.6	26
2.1	15
2.6	9

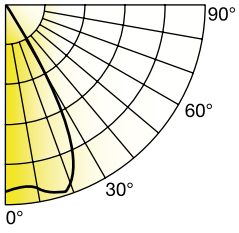


Degree	Candela
0	1,897
5	1,560
15	893
25	172
35	57
45	27

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

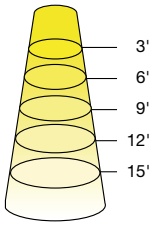


Diameter	Footcandles
0.5	133
1.1	33
1.6	15
2.1	8
2.6	5

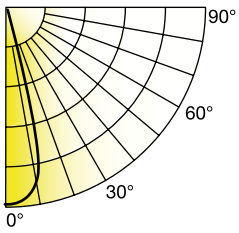


Degree	Candela
0	1,157
5	929
15	700
25	559
35	151
45	39

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

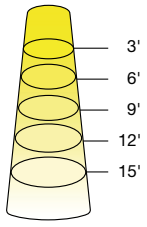


Diameter	Footcandles
0.5	162
1.1	41
1.6	18
2.1	10
2.6	7

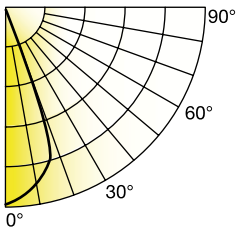


Degree	Candela
0	1,445
5	1,412
15	726
25	139
35	61
45	24

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

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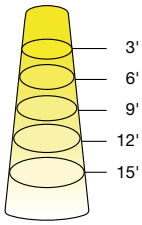
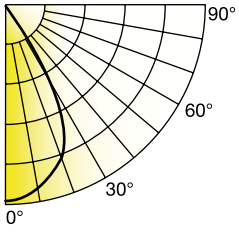
REFINE MR16 FAMILY

PHOTOMETRY

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

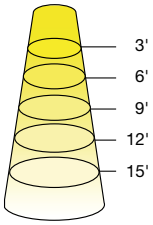


Diameter	Footcandles
0.5	46
1.0	11
1.6	5
2.1	3
2.6	2

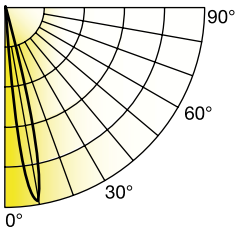


Degree	Candela
0	408
5	408
15	376
25	244
35	109
45	50

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

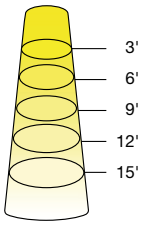


Diameter	Footcandles
0.5	646
1.0	162
1.6	72
2.1	40
2.6	26

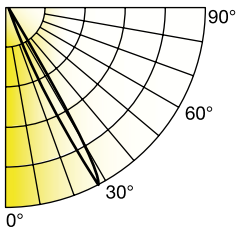


Degree	Candela
0	1,943
5	2,836
15	885
25	170
35	68
45	29

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



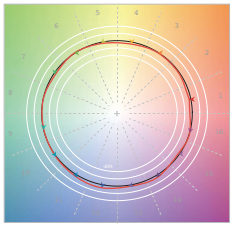
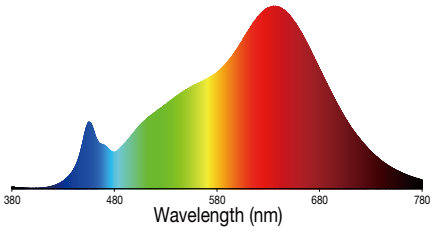
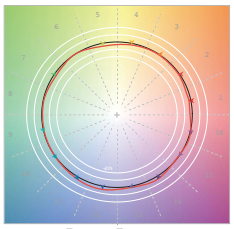
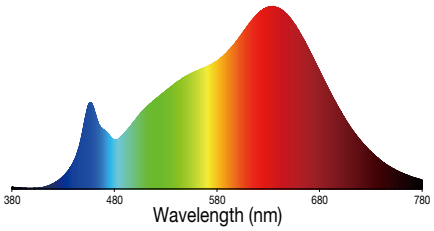
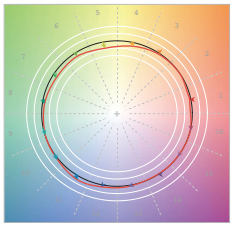
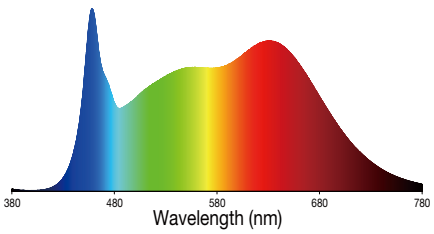
Diameter	Footcandles
0.5	586
1.1	146
1.6	65
2.1	37
2.6	23



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	 R_f: 94, R_g: 100	
3000K	 R_f: 93, R_g: 100	
4000K	 R_f: 90, R_g: 97	

Rf: TM-30 metric measuring color fidelity (whether colors are similar to those under natural light). Rf is a more accurate version of the CRI Ra. Rf 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.

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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/xxxyyyy/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/xxxyyyy/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/xxxyyyy/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/xxxyyyy/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/xxxyyyy	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/xxxyyyy	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

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