



MR 11



Canon HK



Bij Jef (Texel, Netherlands)



QBE HK

High power LED Lighting
Green Planet Technology



color ray



DMS Lighting, LLC

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▷ Inss



▷ Color Ray

[3x1W RGB] [3x3WRGB] [3x3W cool white/warm white]

**SPECIFICATION**

COLOR RANGE	16.7 million (24bit)/3200K/5000K
LIGHT SOURCE	3x1/3x3 watt high power Luxeon LEDs
BEAM ANGLE	15/25 deg
POWER REQUIREMENT	24VDC
POWER CONSUMPTION	6.8/12W Max at full intensity (RGB)
HOUSING	Aluminum alloy powder coated
CONNECTION	5-pin waterproof connector
INGRESS PROTECTION RATING	IP 65
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	100mm(W) x 130mm(L) x 161mm(H)
WEIGHT	1.2Kg
POWER AND CONTROL	RAY POWER control

▷ Linear 1000

[Warm white] [Cool white]

**SPECIFICATION**

COLOR RANGE	Cool white (6000K)/Warm white(2800K)
LIGHT SOURCE	12x3 watt high power Cree XRE LEDs
BEAM ANGLE	90 deg
POWER REQUIREMENT	700mA constant current
POWER CONSUMPTION	30W Max
HOUSING	Aluminum / PC cover
CONNECTION	6-pin waterproof connector
INGRESS PROTECTION RATING	IP 66
CONTROL	48V LED Driver
LISTING	CE certified
OPERATION TEMPERATURE	-10 degC - +50 degC
DIMENSION	1000mm(L) x 42mm(W) x 22mm(H)
WEIGHT	(without bracket) 1.6Kg

▷ Inground Lite

[3x1W RGB] [3x3WRGB]

**SPECIFICATION**

COLOR RANGE	16.7 million (24bit)
LIGHT SOURCE	3x1/3x3 watt high power Luxeon LEDs
BEAM ANGLE	10deg (25, 45 deg optional)
POWER REQUIREMENT	350mA constant current
POWER CONSUMPTION	5W/ 10W Max
HOUSING	Aluminum / 316 Stainless steel cover
CONNECTION	6-pin IP 67 waterproof connector
INGRESS PROTECTION RATING	IP 67
CONTROL	Ray power control
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	105mm(Dia) x 39mm(Depth)
WEIGHT	0.7Kg
POWER AND CONTROL	Ray Power control

▷ Linear 18

[Warm white] [Cool white]

**SPECIFICATION**

COLOR RANGE	2800K(warm white)/ 6000K(cool white)
LIGHT SOURCE	18x3watt high power Cree XRE LEDs
BEAM ANGLE	15deg / 25deg / 10x50deg
POWER REQUIREMENT	48VDC
POWER CONSUMPTION	50W Max
HOUSING	Aluminum
CONNECTION	2-pin terminal
INGRESS PROTECTION RATING	Indoor use
CONTROL	Built in constant current driver
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	1000mm(L) x 75mm(H)
WEIGHT	1.2kg

▷ Inss

[1x1W/1x3W single color] [SMD x3 single color]

**SPECIFICATION**

COLOR RANGE	Red/Green/Blue/warm white/cool white
LIGHT SOURCE	1x1/1x3 watt high power Luxeon LEDs
BEAM ANGLE	10deg (25, 45deg optional)
POWER REQUIREMENT	5VDC
POWER CONSUMPTION	1W / 3W
HOUSING	316 Stainless steel
CONNECTION	2-pin cable
INGRESS PROTECTION RATING	IP 67
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	35mm(Dia) x 50mm(Depth)
WEIGHT	0.15Kg

▷ Color Ray 4

[4x3W RGBA]

**SPECIFICATION**

COLOR RANGE	16.7 million (24bit)
LIGHT SOURCE	4x3 watt high power Luxeon K2 LEDs
BEAM ANGLE	25deg
POWER REQUIREMENT	12W Max
HOUSING	Aluminum / 316 Stainless steel cover
CONNECTION	12-pin IP 67 waterproof connector
INGRESS PROTECTION RATING	IP 66
LISTING	CE certified
OPERATION TEMPERATURE	-10 degC - +50 degC
DIMENSION	100mm(Dia) x 39mm(Depth)
WEIGHT	0.7Kg
POWER AND CONTROL	Ray Power constant current driver 4CH

▷ MR 16 3W

[Warm white] [Neutral white] [Cool white]

**SPECIFICATION**

COLOR RANGE	2800K, 4200K and 6000K
LIGHT SOURCE	3 watt high power Cree XRELED
BEAM ANGLE	15 deg, 25 deg and 10x50deg FWHM
OPERATION VOLTAGE	12V AC/DC
POWER CONSUMPTION	3W Max
HOUSING	Die cast aluminum, either painted silver or black
BASE TYPE	GUS.3
TRANSFORMER	Low voltage magnetic transformer or switching mode power supply
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
WEIGHT	60g

▷ AR 111

[Warm white] [Neutral white] [Cool white]

**SPECIFICATION**

COLOR RANGE	2800K / 4200K / 6000K
LIGHT SOURCE	6x3watt high power Cree XRE LEDs
BEAM ANGLE	15deg / 25deg / 10x50deg
POWER INPUT	12VDC/AC
POWER CONSUMPTION	15W Max
HOUSING	Aluminum alloy painted silver
CONNECTION	2-pin terminal
CONTROL	Built in constant current driver
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	111mm(Dia) x 107mm(Depth)
WEIGHT	0.3Kg

▷ Color Ray MR

[4x1W RGBA] [4x3WRGBA]

**SPECIFICATION**

COLOR RANGE	16.7 million (24bit)
LIGHT SOURCE	4 high power Luxeon Rebel LEDs (Red, Green, Blue and Amber)
BEAM ANGLE	20, 40 and 20x40deg FWHM
POWER REQUIREMENT	350mA/700mA constant current
POWER CONSUMPTION	8W/12W Max at full intensity (RGBA)
HOUSING	Aluminum alloy painted silver
CONNECTION	Cat.5 cable with RJ45 connector
CONTROL	Ray power 4CH
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	50mm(Dia) x 45mm(Depth)
WEIGHT	0.1Kg

▷ OL 100

[Warm white] [Neutral white] [Cool white]

**SPECIFICATION**

COLOR RANGE	2800K, 4200K and 6000K
LIGHT SOURCE	3 watt high power Cree XRELED
BEAM ANGLE	15deg / 25deg / 10x50deg
POWER REQUIREMENT	700mA constant current
POWER CONSUMPTION	3W Max
HOUSING	Aluminum
CONNECTION	2-pin terminal
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	25mm(Dia) x 60mm(H)
WEIGHT	0.12Kg

▷ MR 11

[Single color]

**SPECIFICATION**

COLOR RANGE	Red/Green/Blue/Amber/Cool White /Warm white
LIGHT SOURCE	1watt high power Luxeon LEDs
BEAM ANGLE	10/25/10x40deg
OPERATION VOLTAGE	12VAC/DC
POWER CONSUMPTION	2W Max
HOUSING	Aluminum alloy painted silver
BASE TYPE	GU4
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +45 degC
DIMENSION	35mm(Dia) x 39mm(Depth)
WEIGHT	30g

▷ CapLite

[Warm white] [Cool white]

**SPECIFICATION**

COLOR RANGE	3000K / 6000K
LIGHT SOURCE	1x1 watt high power Luxeon LEDs
BEAM ANGLE	5deg
POWER REQUIREMENT	350mA constant current
POWER CONSUMPTION	1.2W
HOUSING	Aluminum
BASE TYPE	2-pin cable
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	74mm(Dia) x 17mm(Depth)
WEIGHT	30g

High power LED Lighting

Outdoor Solutions

DMS
TECHNOLOGY

Color Ray

The Color Ray is perfect for lighting targets where LED/RGB color control is required in outdoor environments. DMX or stand alone control makes system design more simple.

[3x1W RGB]

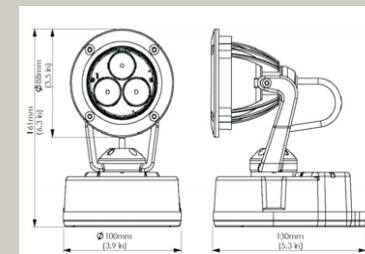


Color Ray

[3x1W RGB] [3x3W RGB] [3x3W cool white/warm white]

SPECIFICATION

COLOR RANGE	16.7 million (24bit)
LIGHT SOURCE	3x1 watt high power Luxeon LEDs
BEAM ANGLE	15/25 deg
POWER REQUIREMENT	24VDC
POWER CONSUMPTION	6.8W Max at full intensity (RGB)
HOUSING	Aluminum alloy powder coated
CONNECTION	5-pin waterproof connector
INGRESS PROTECTION RATING	IP 65
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	100mm(W)x130mm(L)x161mm(H)
WEIGHT	1.2Kg
POWER AND CONTROL	RAY POWER control



PHOTOMETRIC DATA

Light source specifications

Optics:	polycarbonate lens + tempered glass
Light source:	3 high power led (red, green, blue)
Beam angle:	19 deg
Light distribution:	symmetric direct illumination

ILLUMINANCE

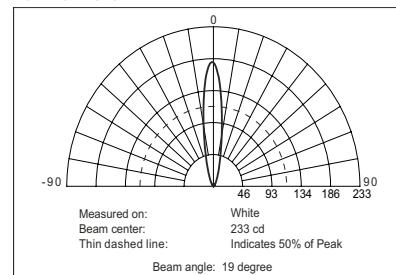
COLOR	DISTANCE 1m		2m		3m		5m	
	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)
RED	129.4	305	32.4	610	14.4	920	5.2	1520
GREEN	96.2	330	24	660	10.6	990	3.8	1620
BLUE	17.2	310	4.2	620	2	930	0.6	1540
WHITE	233.4	315	58.4	625	26	940	9.4	1550

* light pattern indicates the size at 50% of peak intensity

LIGHT OUTPUT

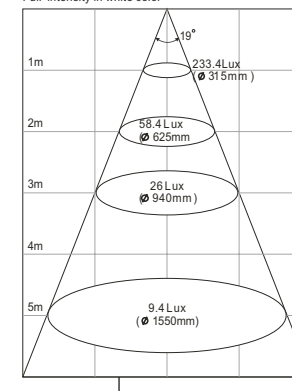
COLOR	Total (Lumens)	Power(watts)	Efficacy(lm/W)
RED	34	1.2	28.5
GREEN	45.2	1.2	37.6
BLUE	6.3	1.2	n/a
WHITE	84.5	3.6	23.5

LIGHT DISTRIBUTION

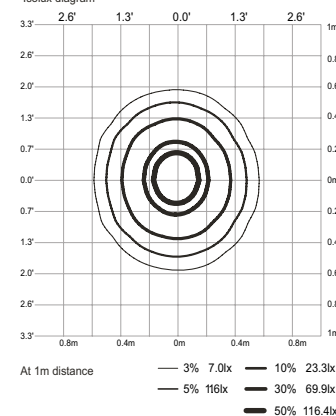


IES file is also available

Full intensity in white color



Isolux diagram



Color Ray

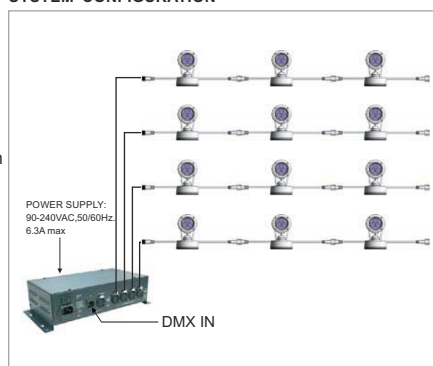
[3x1W RGB] [3x3W RGB] [3x3W cool white/warm white]

- Rich color changing effects
- Very long operation life in excess of 50,000 hours
- Low energy consumption 5W
- Robust construction suitable for outdoor applications
- Fully DMX controlled
- 10 integrated preset programs with speed and fade time selection



Use the Ray Power unit to control up to 15 Color Ray lamps.

SYSTEM CONFIGURATION



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High power LED Lighting

Outdoor Solutions

DMS
TECHNOLOGY

Color Ray



The Color Ray is perfect for lighting targets where LED/RGB color control is required in outdoor environments. DMX or stand alone control makes system design more simple.

This high powered version is suitable for large area coverage such as buildings and landscapes.



Bij Jelf (Texel, Netherlands)



Bij Jelf (Texel, Netherlands)

Color Ray

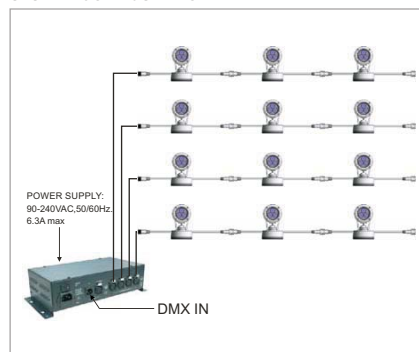
[3x1W RGB] [3x3W RGB] [3x3W cool white/warm white]

- Rich color changing effects
- Very long operation life in excess of 50,000 hours
- Low energy consumption 5W
- Robust construction suitable for outdoor applications
- Fully DMX controlled
- 10 integrated preset programs with speed and fade time selection



Use the **Ray Power** unit to control up to 15 Color Ray lamps.

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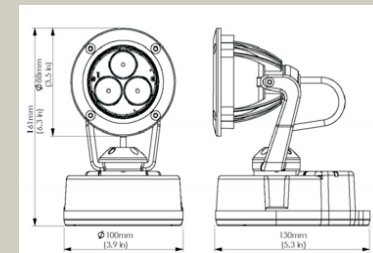
DMS
TECHNOLOGY

Color Ray

[3x1W RGB] [3x3W RGB] [3x3 cool white/warm white]

SPECIFICATION

COLOR RANGE	16.7 million (24bit)
LIGHT SOURCE	3x3 watt high power Luxeon K2 LEDs
BEAM ANGLE	15/25 deg
POWER REQUIREMENT	24VDC
POWER CONSUMPTION	12W Max at full intensity (RGB)
HOUSING	Aluminum alloy powder coated
CONNECTION	5-pin waterproof connector
INGRESS PROTECTION RATING	IP 65
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	100mm(W)x130mm(L)x161mm(H)
WEIGHT	1.2Kg
POWER AND CONTROL	RAY POWER control



PHOTOMETRIC DATA

Light source specifications

Optics: polycarbonate lens + tempered glass
Light source: 3 high power led (red, green, blue)
Beam angle: 20 deg
Light distribution: symmetric direct illumination

ILLUMINANCE

	1m		2m		3m		5m	
COLOR	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)
RED	314.4	300	78.6	600	35	900	12.6	1500
GREEN	370.8	370	92.8	740	41.2	1110	14.8	1850
BLUE	55.8	365	14	730	6.2	1095	2.2	1825
WHITE	655.4	341	163.8	682	72.8	1023	26.2	1705

* light pattern indicates the size at 50% of peak intensity

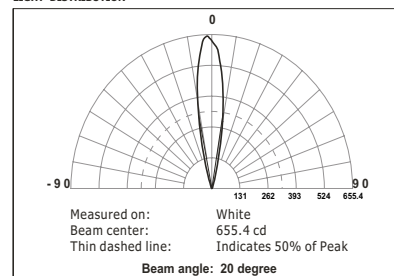
LIGHT OUTPUT

COLOR	Total (lumens)	Power(watts)	Efficacy(lm/W)
RED	79	2.3	34.34
GREEN	121	2.3	52.6
BLUE	17.1	2.3	n/a
WHITE	206	6.9	29.85

LIGHT COLOR

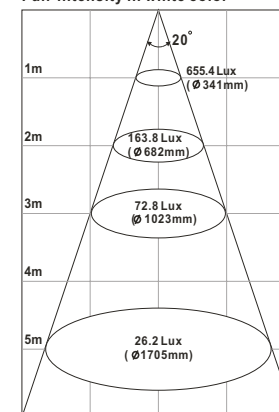
LED TYPE	Color	Flux Wave	Wavelength
Luxeon K2 12-007-0062	RED	39.8mw	627nm
Luxeon K2 12-007-0066	GREEN	51.7mw	530nm
Luxeon K2 12-007-0067	BLUE	225mw	455nm

LIGHT DISTRIBUTION

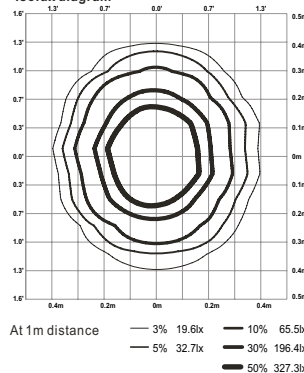


IES file is also available

Full intensity in white color



Isolux diagram



High power LED Lighting

Outdoor Solutions

Color Ray



The Color Ray (White Light) is perfect for lighting targets where LED intensity control is required in outdoor environments. DMX or stand alone control makes system design more simple.

The Color Ray is also available in white body and RGB light sources. (Pictures below represent RGB version)



Color Ray

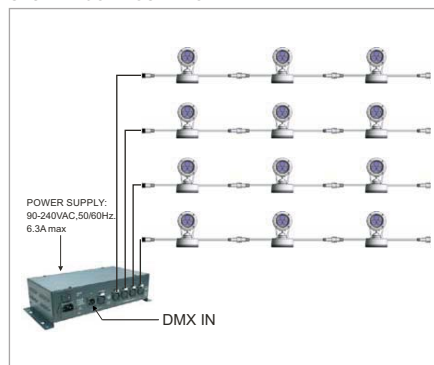
[3x1W RGB][3x3W RGB][3x1W cool white/warm white]

- Very long operation life in excess of 50,000 hours
- Low energy consumption 5W
- Robust construction suitable for outdoor application
- Fully DMX controlled
- 10 integrated preset programs with speed and fade time selection

SPECIFICATION

COLOR RANGE	3200K / 6000K
LIGHT SOURCE	3x1 watt high power Luxeon LEDs
BEAM ANGLE	15/25 deg
POWER REQUIREMENT	24VDC
POWER CONSUMPTION	6.8W Max
HOUSING	Aluminum alloy powder coated
CONNECTION	5-pin waterproof connector
INGRESS PROTECTION RATING	IP 65
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	100mm(W)x130mm(L)x161mm(H)
WEIGHT	1.2Kg
POWER AND CONTROL	RAY POWER control

SYSTEM CONFIGURATION



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Color Ray

[3x1W RGB] [3x3W RGB] [3x1W cool white/warm white]

PHOTOMETRIC DATA 15 Deg Warm White

Light source specifications

Optics: Orange lens + tempered glass
Light source: 3 high power LED
Beam angle: 15.1 deg
Light distribution: symmetric direct illumination

ILLUMINANCE

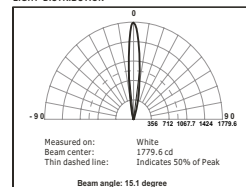
DISTANCE	1m	2m	3m	5m
COLOR	Lux	Size (mm)	Lux	Size (mm)
WHITE	1779.6	283	444.8	566
			197.6	849
			71.2	1415

* light pattern indicates the size at 50% of peak intensity

LIGHT OUTPUT

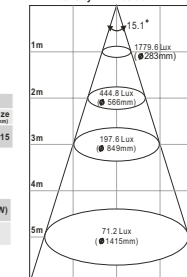
COLOR	Total (lumens)	Power(watts)	Efficacy(lm/W)
WHITE	198.5	7	28.35

LIGHT DISTRIBUTION

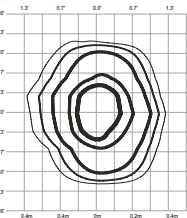


IES file is also available

Full intensity in white color



ISOLUX DIAGRAM



At 1m distance — 3% 53.4lx — 10% 177.8lx
— 5% 88.9lx — 30% 533.5lx
— 50% 889.2lx

15 Deg Cool White

Optics: Clear lens + tempered glass
Light source: 3 high power LED
Beam angle: 16.8 deg
Light distribution: symmetric direct illumination

ILLUMINANCE

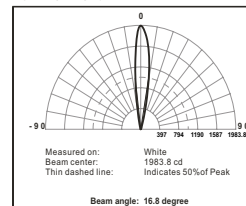
DISTANCE	1m	2m	3m	5m
COLOR	Lux	Size (mm)	Lux	Size (mm)
WHITE	1983.8	282.5	496	563
			220.4	844.5
			79.4	1407.5

* light pattern indicates the size at 50% of peak intensity

LIGHT OUTPUT

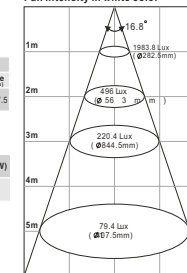
COLOR	Total (lumens)	Power(watts)	Efficacy(lm/W)
WHITE	210.6	4.9	42.8

LIGHT DISTRIBUTION

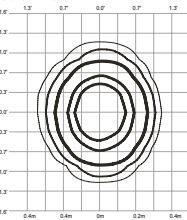


IES file is also available

Full intensity in white color



ISOLUX DIAGRAM



At 1m distance — 3% 59.9lx — 10% 198.2lx
— 5% 99.1lx — 30% 595.6lx
— 50% 991.1lx

25 Deg Warm White

Optics: Orange lens + tempered glass
Light source: 3 high power LED
Beam angle: 18 deg
Light distribution: symmetric direct illumination

ILLUMINANCE

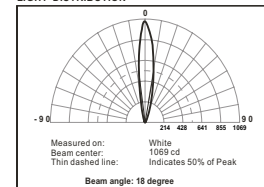
DISTANCE	1m	2m	3m	5m
COLOR	Lux	Size (mm)	Lux	Size (mm)
WHITE	1069	534.5	267.2	630
			118.8	945
			42.8	1575

* light pattern indicates the size at 50% of peak intensity

LIGHT OUTPUT

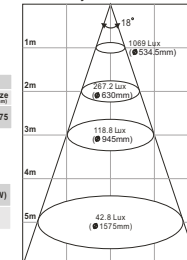
COLOR	Total (lumens)	Power(watts)	Efficacy(lm/W)
WHITE	189.3	7	27.0

LIGHT DISTRIBUTION

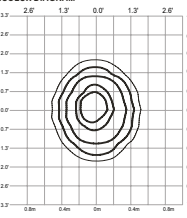


IES file is also available

Full intensity in white color



ISOLUX DIAGRAM



At 1m distance — 3% 32.1lx — 10% 106.9lx
— 5% 53.4lx — 30% 320.8lx
— 50% 534.3lx

25 Deg Cool White

Optics: Clear lens + tempered glass
Light source: 3 high power LED
Beam angle: 19deg
Light distribution: symmetric direct illumination

ILLUMINANCE

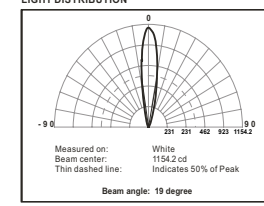
DISTANCE	1m	2m	3m	5m
COLOR	Lux	Size (mm)	Lux	Size (mm)
WHITE	1154.2	325.5	288.6	651
			128.2	976.5
			46.2	1627.5

* light pattern indicates the size at 50% of peak intensity

LIGHT OUTPUT

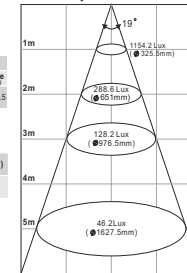
COLOR	Total (lumens)	Power(watts)	Efficacy(lm/W)
WHITE	196.5	7.3	26.9

LIGHT DISTRIBUTION

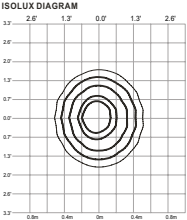


IES file is also available

Full intensity in white color



ISOLUX DIAGRAM

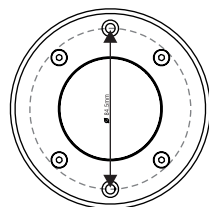
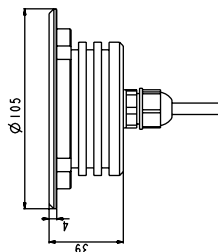


At 1m distance — 3% 34.6lx — 10% 115.4lx
— 5% 57.7lx — 30% 348.3lx
— 50% 577.1lx

↳ Inground Lite



Rugged and versatile in-ground mounted RGB fixture allows DMX control. Solid 316 Stainless Steel bezel for long life.



↳ Inground Lite

[3x1W RGB] [3x3W RGB]

► FEATURES

- Rich colorchanging effect
- Very long operation life in excess of 50,000 hours
- Low energy consumption 5W/10W
- Robust construction suitable for outdoor application
- Fully DMX controlled
- Ray PowerControl build-in 7 preset programs with 8 selectable fade time & chasing speed

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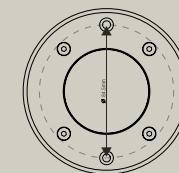
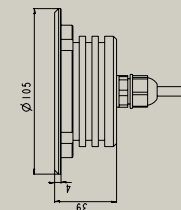


↳ Inground Lite

[3x1W RGB] [3x3W RGB]

SPECIFICATION

COLOR RANGE	16.7 million (24bit)
LIGHT SOURCE	3x1/3x3 watt high power Luxeon LEDs
BEAM ANGLE	10deg (25, 45 deg optional)
POWER REQUIREMENT	350mA constant current
POWER CONSUMPTION	5W/ 10W Max
HOUSING	Aluminum / 316 Stainless steel cover
CONNECTION	6-pin IP 67 waterproof connector
INGRESS PROTECTION RATING	IP 67
CONTROL	Ray power control
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	105mm(Dia) x 39mm(Depth)
WEIGHT	0.7Kg
POWER AND CONTROL	Ray Power control



PHOTOMETRIC DATA

Light source specifications

Optics: PMMA lens + tempered glass
Light source: 3 high power led (red, green, blue)
Beam angle: 10 deg
Light distribution: symmetric direct illumination

ILLUMINANCE

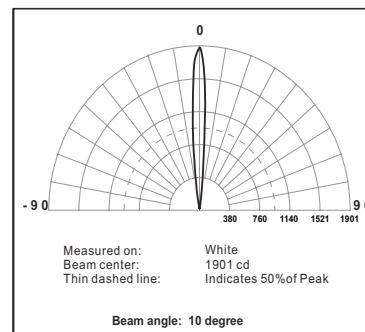
DISTANCE	1m		2m		3m		5m	
	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)
RED	739.2	170	182.8	350	82.2	520	29.6	870
GREEN	1094.8	160	273.6	300	121.6	450	43.8	600
BLUE	136.4	170	34.2	340	15.2	510	5.4	850
WHITE	1901	160	474.8	320	211	480	76	810

* light pattern indicates the size at 50% of peak intensity

LIGHT OUTPUT

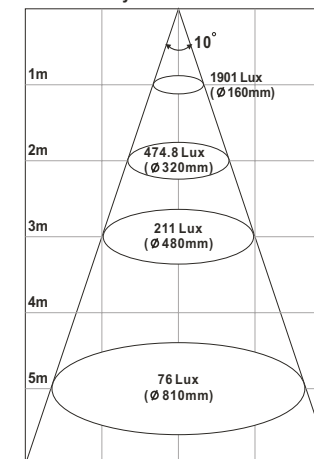
COLOR	Total (lumens)	Power(watts)	Efficacy(lm/W)
RED	34.2	1.2	28.5
GREEN	45.2	1.2	37.6
BLUE	6.3	1.2	n/a
WHITE	84.7	3.6	23.5

LIGHT DISTRIBUTION

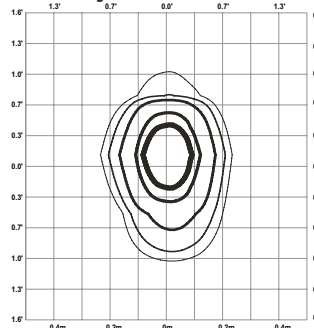


IES file is also available

Full intensity in white color



Isolux diagram





High power LED Lighting

Indoor Solutions

DMS
TECHNOLOGY

[Warm white] [Neutral white] [Cool white]



MR 16 3W

High intensity LED spot lamp that replaces conventional MR-16 20W Halogen lights. Cool to the touch with efficient energy saving benefits.

PRODUCT CODES

Part No.	Description
26-053-0032-00	MR16 3W cool white 15deg
26-053-0033-00	MR16 3W cool white 25deg
26-053-0083-00	MR16 3W cool white 10x50deg
26-053-0058-00	MR16 3W neutral white 15deg
26-053-0059-00	MR16 3W neutral white 25deg
26-053-0084-00	MR16 3W neutral white 10x50deg
26-053-0060-00	MR16 3W warm white 15deg
26-053-0061-00	MR16 3W warm white 25deg
26-053-0085-00	MR16 3W warm white 10x50deg



MR 16 3W

[Warm white] [Neutral white] [Cool white]

SPECIFICATION

COLOR RANGE	2800K, 4200K and 6000K
LIGHT SOURCE	3 watt high power Cree XRE LED
BEAM ANGLE	15 deg, 25 deg and 10x50deg FWHM
OPERATION VOLTAGE	12V AC/DC
POWER CONSUMPTION	3W max
HOUSING	Die cast aluminum, either painted silver or black
BASE TYPE	GU5.3
TRANSFORMER	Low voltage magnetic transformer or switching mode power supply
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
WEIGHT	60g



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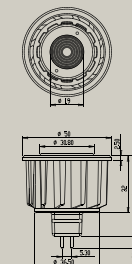
DMS
TECHNOLOGY

MR 16 3W

[Warm white] [Neutral white] [Cool white]

MR16 3W is designed for energy savings. It has a high light output efficiency with low power consumption. The stylish aluminum housing provides air ventilation to take away heat effectively. Temperature rise of the housing is less than 25 degrees and it is safe to touch.

The MR16 3W lamp fits into most standard, low voltage MR16 light fixtures with a GU5.3 base. The MR16 3W is available in 3 color temperatures 2800K, 4200K and 6000K and three beam angles 15 deg, 25 deg and 10x50 deg.



MR16 3W

Warm white

► **PHOTOMETRIC DATA**► **15 DEGREE** Light Source Specifications

Optics: PMMA
 Light source: 1 high power LED
 Beam angle: 15 deg
 Light distribution: symmetric direct illumination
 CCT: 2800K

Illuminance

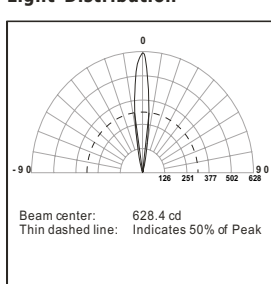
DISTANCE	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
WHITE	628.4	250	157.2	500	69.8	750	25.2	1250

* light pattern indicates the size at 50% of peak intensity

Illuminance Distribution

1.5	2.7	3.8	4.1	2.4	1.6
2.5	8.6	14	17	7.0	2.5
5.6	20	41	48	18	4.9
5.7	18	45	46	21	5.2
3.4	9.6	22	19	10	3.3
1.6	2.9	4.3	4.9	3.4	1.8

1m 0 1m
 Location: 3.05m normal to surface

Light Distribution

IES file is also available

Light Output

Color	Warm white
Total(lumens)	64.1
Power(watts)	2.5
Efficacy(lm/W)	26

*The power consumption is measured with the lamp fixture (power consumption of the DC power supply is not included)

► **25 DEGREE** Light Source Specifications

Optics: PMMA
 Light source: 1 high power LED
 Beam angle: 25 deg
 Light distribution: symmetric direct illumination
 CCT: 2800K

Illuminance

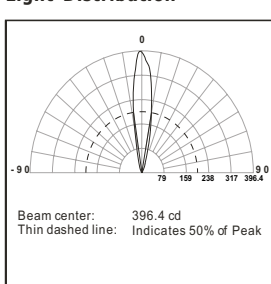
DISTANCE	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
WHITE	320	99	640	44	960	15.8	1600	

* light pattern indicates the size at 50% of peak intensity

Illuminance Distribution

1.5	2.7	4.1	3.9	2.5	1.5
2.6	6.9	12	12	6.1	2.2
4.2	18	77	73	15	4.0
4.2	18	89	82	15	4.1
2.6	7.2	14	13	6.5	2.3
1.7	3.1	4.2	4.0	2.9	1.6

1m 0 1m
 Location: 1.5m normal to surface

Light Distribution

IES file is also available

Light Output

Color	Warm white
Total(lumens)	68
Power(watts)	2.5
Efficacy(lm/W)	27.2

*The power consumption is measured with the lamp fixture (power consumption of the DC power supply is not included)

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**Mr16 3W**

Warm white

► **PHOTOMETRIC DATA**► **10x50 DEGREE** Light Source Specifications

Optics: PMMA
 Light source: High power led
 Beam angle: 10x50 deg
 Light distribution: symmetric direct illumination
 CCT: 2800K

Illuminance

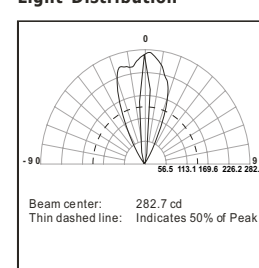
DISTANCE	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
WARM WHITE	281.8	210x830	70.4	420x1660	31.4	630x2490	11.2	1050x4150

* light pattern indicates the size at 50% of peak intensity

Illuminance Distribution

2.0	3.2	7.1	13	12	7.2	3.9	2.2
2.0	3.8	9.7	18	17	9.3	4.3	2.5
2.3	4.4	12	20	19	9.5	4.4	2.4
2.6	5.0	13	22	19	10	4.7	2.5
2.7	4.9	12	18	16	8.1	4.0	2.2
1.8	3.7	8.2	12	10	6.0	3.0	1.5

1.5m 0 1.5m
 Location: 3.05m normal to surface

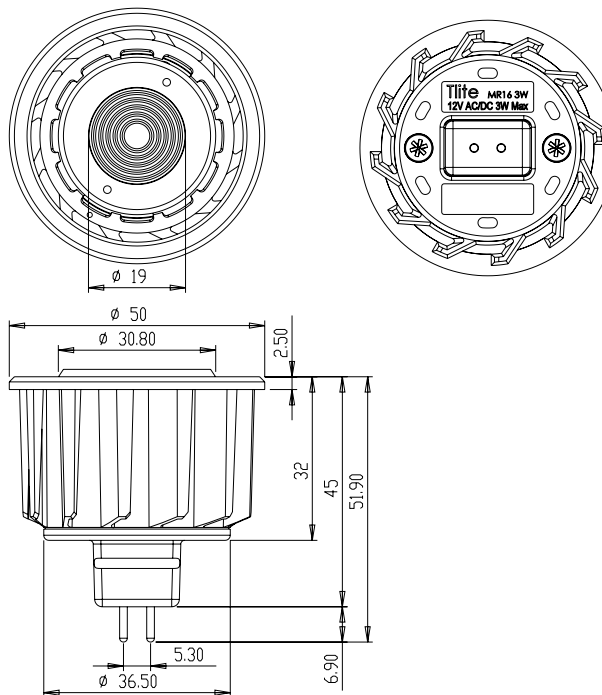
Light Distribution

IES file is also available

Light Output

Color	Warm white
Total(lumens)	67
Power(watts)	2.5
Efficacy(lm/W)	26.8

*The power consumption is measured with the lamp fixture (power consumption of the DC power supply is not included)



MR16 3W

Neutral white

► **PHOTOMETRIC DATA**► **15 DEGREE** Light Source Specifications

Optics: PMMA
 Light source: 1 high power LED
 Beam angle: 15 deg
 Light distribution: symmetric direct illumination
 CCT: 4200K

Illuminance

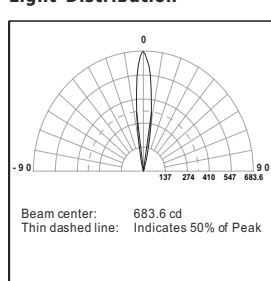
DISTANCE	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
WHITE	683.6	250	170.8	500	76	750	27.4	1250

* light pattern indicates the size at 50% of peak intensity

Illuminance Distribution

2.6	4.6	6.3	7.0	4.0	2.3
4.3	12	20	21	12	4.4
7.0	27	51	50	26	6.5
6.7	32	54	56	25	7.0
4.4	14	24	29	16	5.3
2.4	5.0	8.0	4.9	2.7	

1m 0 1m
 Location: 3.05m normal to surface

Light Distribution

IES file is also available

Light Output

Color	Neutral white
Total(lumens)	71.25
Power(watts)	2.7
Efficacy(lm/W)	26.4

*The power consumption is measured with the lamp fixture
 (power consumption of the DC power supply is not included)

► **25 DEGREE** Light Source Specifications

Optics: PMMA
 Light source: 1 high power LED
 Beam angle: 25 deg
 Light distribution: symmetric direct illumination
 CCT: 4200K

Illuminance

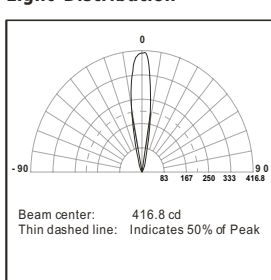
DISTANCE	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
WHITE	333.5	104.2	667	46.4	1000.5	16.6	1667.5	

* light pattern indicates the size at 50% of peak intensity

Illuminance Distribution

1.6	2.8	4.0	4.1	2.7	1.6
2.7	6.9	13	13	6.6	2.6
4.3	17	83	79	16	4.1
4.3	16	80	82	16	4.2
2.7	7.2	14	13	6.9	2.6
1.7	3.0	4.4	4.4	2.95	1.8

1m 0 1m
 Location: 1.5m normal to surface

Light Distribution

IES file is also available

Light Output

Color	Neutral white
Total(lumens)	74.56
Power(watts)	2.5
Efficacy(lm/W)	28.5

*The power consumption is measured with the lamp fixture
 (power consumption of the DC power supply is not included)

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**MR16 3W**

Neutral white

► **PHOTOMETRIC DATA**► **10X50 DEGREE** Light Source Specifications

Optics: PMMA
 Light source: High power led
 Beam angle: 10x50 deg
 Light distribution: symmetric direct illumination
 CCT: 4200K

Illuminance

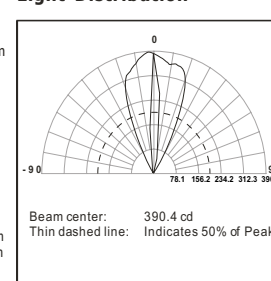
DISTANCE	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
NEUTRAL WHITE	389.2	185x840	97.2	370x1680	43.2	555x2520	15.6	925x4200

* light pattern indicates the size at 50% of peak intensity

Illuminance Distribution

1.8	3.8	9.6	15	19	9.1	3.4	1.2
2.8	5.2	11	21	25	11	3.3	1.5
3.1	6.3	13	25	30	14	4.0	2.0
2.9	5.8	12	24	29	13	4.0	2.0
3.0	5.3	12	22	27	12	3.9	1.9
2.0	4.0	9.1	15	20	9.2	3.0	1.8

1.5m 0 1.5m
 Location: 3.05m normal to surface

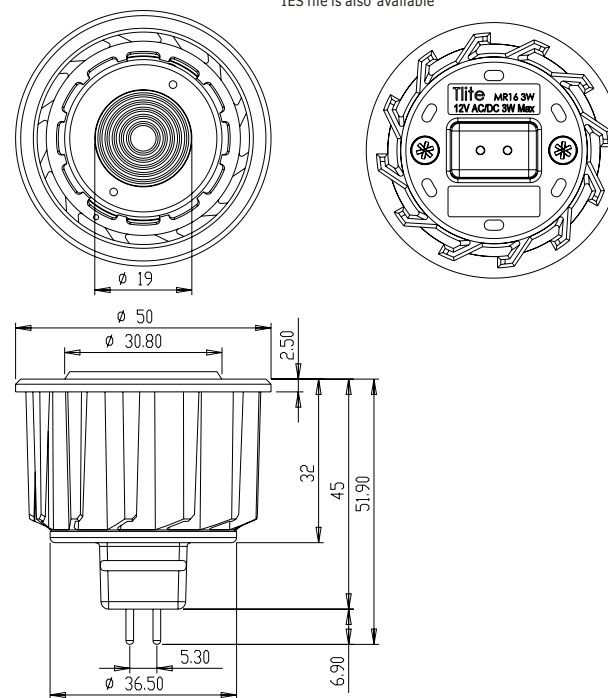
Light Distribution

IES file is also available

Light Output

Color	Neutral white
Total(lumens)	80.5
Power(watts)	2.6
Efficacy(lm/W)	31

*The power consumption is measured with the lamp fixture
 (power consumption of the DC power supply is not included)



MR16 3W

Cool white

► **PHOTOMETRIC DATA**► **15 DEGREE** Light Source Specifications

Optics: PMMA
 Light source: 1 high power LED
 Beam angle: 15 deg
 Light distribution: symmetric direct illumination
 CCT: 6000K

Illuminance

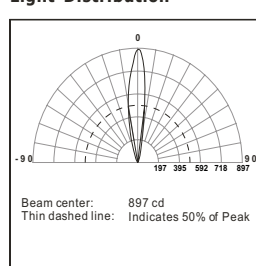
DISTANCE	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
WHITE	897	268.5	224.2	537	99.6	805.5	35.8	1342.5

* light pattern indicates the size at 50% of peak intensity

Illuminance Distribution

2.4	4.1	6.2	6.1	4.1	2.5
4.1	13.5	29	27	12	4.7
8.3	34	75	73	29	7.0
8.4	30	70	68	28	7.2
4.1	14	27	26	11	3.7
2.1	3.6	5.8	5.5	3.5	2.2

1m 0 1m
 Location: 3.05m normal to surface

Light Distribution

IES file is also available

Light Output

Color	Cool white
Total(lumens)	94.97
Power(watts)	3.1
Efficacy(lm/W)	30.6

*The power consumption is measured with the lamp fixture
 (power consumption of the DC power supply is not included)

► **25 DEGREE** Light Source Specifications

Optics: PMMA
 Light source: 1 high power LED
 Beam angle: 25 deg
 Light distribution: symmetric direct illumination
 CCT: 6000K

Illuminance

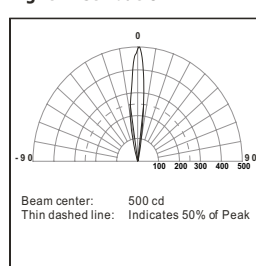
DISTANCE	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
WHITE	500.2	316	125	632	55.6	948	20	1580

* light pattern indicates the size at 50% of peak intensity

Illuminance Distribution

1.8	2.8	4.2	4.3	2.6	1.8
2.5	6.8	14	14	6.5	2.7
4.2	15	96	98	15	4.7
4.3	16	85	82	15	4.7
2.9	7.5	15	16	7.3	3.1
1.6	2.9	4.4	4.4	2.6	1.7

1m 0 1m
 Location: 1.5m normal to surface

Light Distribution

IES file is also available

Light Output

Color	Cool white
Total(lumens)	80
Power(watts)	2.7
Efficacy(lm/W)	29.6

*The power consumption is measured with the lamp fixture
 (power consumption of the DC power supply is not included)

MR16 3W

Cool white

► **PHOTOMETRIC DATA**► **10x50DEGREE** Light Source Specifications

Optics: PMMA
 Light source: High power led
 Beam angle: 10x50 deg
 Light distribution: symmetric direct illumination
 CCT: 6000K

Illuminance

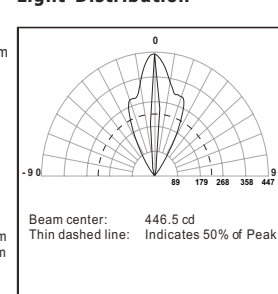
DISTANCE	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
COOL WHITE	446.4	180x840	111.6	360x1680	49.6	540x2520	17.8	900x4200

* light pattern indicates the size at 50% of peak intensity

Illuminance Distribution

2.0	3.7	8.0	17	16	8.1	3.8	2.0
2.2	3.7	9.7	20	19	8.8	3.9	2.2
2.6	5.0	15	30	26	12	4.7	2.6
2.7	5.3	16	31	26	12	4.5	2.5
2.5	4.6	13	23	20	8.2	3.5	2.2
2.1	4.0	10	20	17	7.3	3.0	2.0

1.5m 0 1.5m
 Location: 3.05m normal to surface

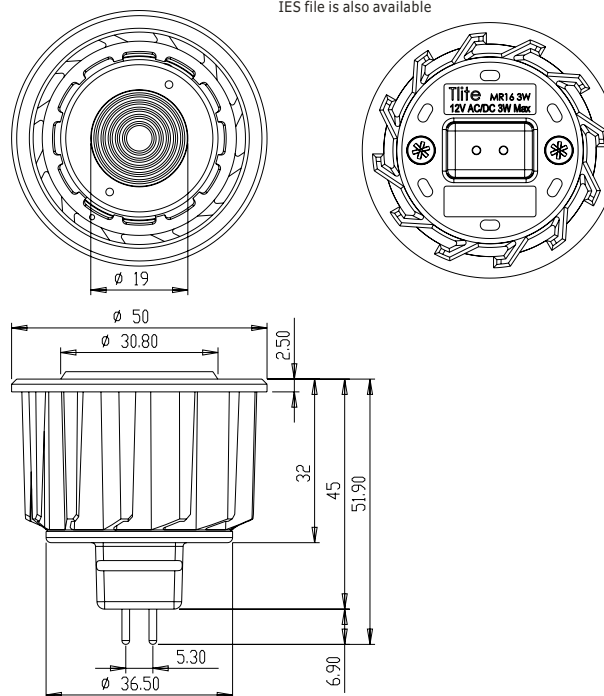
Light Distribution

IES file is also available

Light Output

Color	Cool white
Total(lumens)	90
Power(watts)	2.6
Efficacy(lm/W)	34.6

*The power consumption is measured with the lamp fixture
 (power consumption of the DC power supply is not included)

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Cool white

MR 16



The MR-16 is a high intensity spot lamp with a narrow beam especially well suited for high-lighting objects. Provides cool operation with very low power. This device is also dimmable.

LED Color	Blue	Green	Amber	Red	White (CCT)	Warm white (CCT)
Dominant Wavelength	455	530	590	627	5500K°	3200K°
Spectral Half-width	20nm	35nm	14nm	20nm	----	----

PRODUCT CODES

Part No.	Description
26-053-0017-00	DMR-16, Amber dimmable lamp DC 12V
26-053-0020-00	DMR-16, Red dimmable lamp DC 12V
26-053-0021-00	DMR-16, Greendimmable lamp DC 12V
26-053-0022-00	DMR-16, Blue dimmable lamp DC 12V
26-053-0023-00	DMR-16, Cool white/5500K dimmable lamp DC 12V
26-053-0031-00	DMR-16, Warm white/3200K dimmable lamp DC 12V



MR 16

White/Blue/Green/Red/Amber/warm white

SPECIFICATION

COLOR : 6 COLORS	White/Blue/Green/Red/Amber/warm white
OPERATION VOLTAGE	3V to 12V AC/DC (dimmable)
POWER CONSUMPTION	2W Max
SOURCE	1 Watt high power LED
SOURCE LIFE	100,000 hours
BASE TYPE	MR 16 / GX 5.3
OPERATION TEMPERATURE	-20 degC to +50 degC
STORAGE TEMPERATURE	-20 degC to +80 degC
OPTICAL	6 deg beam angle
HOLOGRAPHICS DIFFUSER	Optional
WEIGHT	30g
DIMENSION	50(D) x 48(H)mm



PHOTOMETRIC DATA

Light source specifications

Optics:	PMMA lens + PE diffuser
Light source:	1 high power led
Beam angle:	6 deg
Light distribution:	symmetric direct illumination

Illuminance

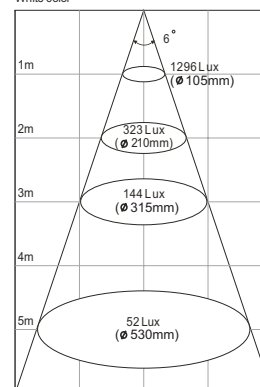
COLOR	1m		2m		3m		5m	
	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)
Red	1917	90	497	180	213	270	76	450
Green	1369	105	342	210	152	315	55	530
Blue	305	100	76	200	34	300	12	500
Amber	649.6	90	163	180	72	270	26	450
White	1296	105	323	210	144	315	52	530
Warm White	526	125	132	250	58	380	21	630

* light pattern indicates the size at 50% of peak intensity

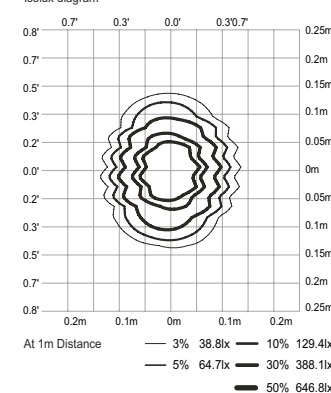
Light output

COLOR	Beam angle	Total (lumens)	Power (watts)	Efficacy (lm/W)
Red	5°	24.7	1.2	20.58
Green	6°	26.3	1.2	22
Blue	6°	5.2	1.2	n/a
Amber	5°	11.1	1.2	n/a
White	6°	22.2	1.2	18.5
Warm White	7°	14.5	1.2	12.1

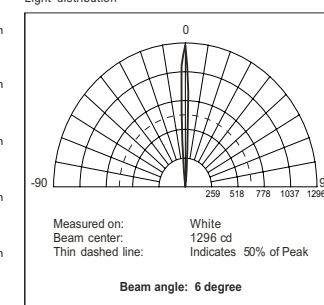
White color



Isolux diagram



Light distribution



IES file is also available

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High power LED Lighting

Indoor Solutions

Indoor Solutions

DMS
TECHNOLOGY

[Warm white] [Cool white]

CapLite



The CapLite is a high intensity spot lamp designed for low profile mounting in cabinets and small areas. It provides a narrow beam for highlighting target areas.



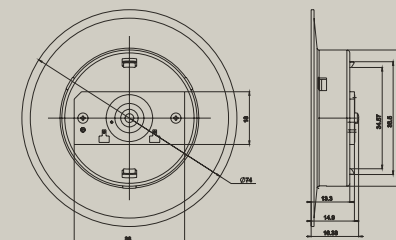
CapLite

CapLite

[Warm white] [Cool white]

SPECIFICATION

COLOR RANGE	3000K / 6000K
LIGHT SOURCE	1x1 watt high power Luxeon LED
BEAM ANGLE	5deg
POWER REQUIREMENT	350mA constant current
POWER CONSUMPTION	1.2W
HOUSING	Aluminum
BASE TYPE	2-pin cable
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	74mm(Dia) x 17mm(Depth)
WEIGHT	30g



PHOTOMETRIC DATA

Light source specifications

Optics:	PMMA lens
Light source:	high power led
Beam angle:	5deg
Light distribution:	symmetric direct illumination

Illuminance

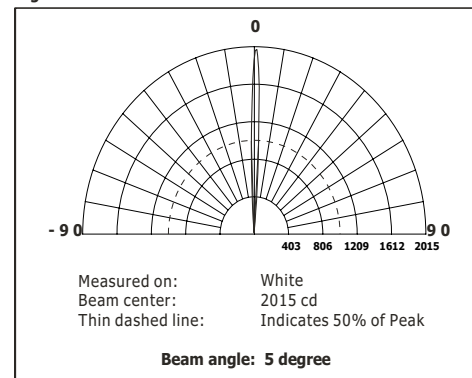
COLOR	1m		2m		3m		5m	
	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)	Lux	Size (mm)
WHITE	2002.2	98	500.6	196	222.4	294	80	490

* light pattern indicates the size at 50% of peak intensity

Light output

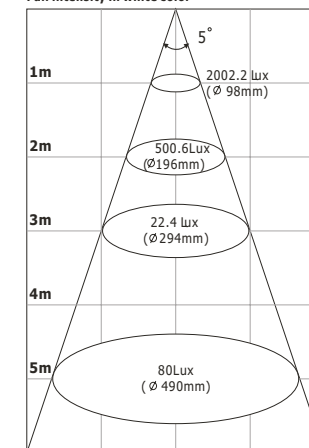
COLOR	Total (lumens)	Power(watts)	Efficacy(lm/W)
WHITE	22.1	1.2	18.4

Light distribution

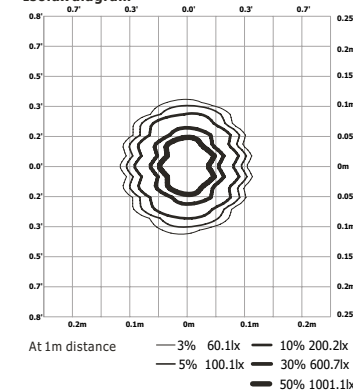


IES file is also available

Full intensity in white color



Isolux diagram



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Inss

[1x1W/1x3W single color] [SMD x3 single color]

FEATURES

- Simple operation
- Very long operation life in excess of 50,000 hours
- Low energy consumption 1W/3W
- Robust construction suitable for outdoor applications
- Control by 5VDC power

SPECIFICATION

COLOR RANGE	Red/Green/Blue/warm white/cool white
LIGHT SOURCE	1x1/1x3 watt high power Luxeon LEDs or SMD x3 single color
BEAM ANGLE	10deg (25, 45deg optional)
POWER REQUIREMENT	5VDC
POWER CONSUMPTION	1W / 3W
HOUSING	316 Stainless steel
CONNECTION	2-pin cable
INGRESS PROTECTION RATING	IP 67
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	35mm(Dia) x 50mm(Length)
WEIGHT	0.15Kg



The Inss is designed for permanent in-ground installations and is suitable for parking areas and landscaping in commercial settings. Choice of power and colors are additional benefits above the obvious power savings.

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Linear 1000

[Warm white] [Cool white]

FEATURES*

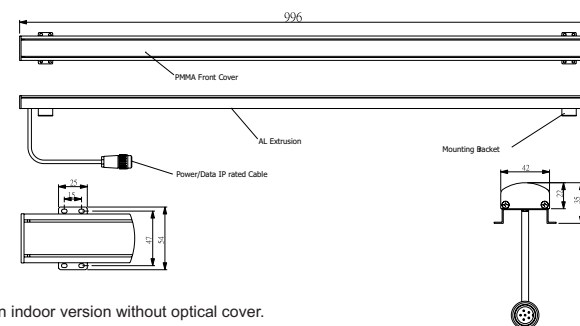
- Very long operation life in excess of 50,000 hours
- Low energy consumption 1W/3W
- Robust construction suitable for outdoor application
- 700mA constant current



The Linear 1000 is designed for hard to access areas on the outside of buildings or remote landscape areas. It's long service life and low energy consumption make it attractive for permanent installations.

SPECIFICATION

COLOR RANGE	Cool white (6000K)/Warm white(2800K)
LIGHT SOURCE	12x3 watt high power Cree XRE LEDs
BEAM ANGLE	90 deg
POWER REQUIREMENT	700mA constant current
POWER CONSUMPTION	30W Max
HOUSING	Aluminum / PC cover
CONNECTION	6-pin waterproof connector
INGRESS PROTECTION RATING	IP 66
CONTROL	48V LED Driver
LISTING	CE certified
OPERATION TEMPERATURE	-10 degC - +50 degC
DIMENSION	1000mm(L) x 42mm(W) x 22mm(H) (without bracket)
WEIGHT	1.6Kg



* Also available in indoor version without optical cover.

High power LED Lighting

Indoor Solutions

Custom Solutions

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Linear 18

[Warm white] [Cool white]

FEATURES

- Very long operation life in excess of 50,000 hours
- Low energy consumption 1W/3W
- Robust construction suitable for outdoor applications
- Built in constant current driver

SPECIFICATION

COLOR RANGE	2800K(warm white)/ 6000K(cool white)
LIGHT SOURCE	18x3watt high power Cree XRE LEDs
BEAM ANGLE	15deg / 25deg / 10x50deg
POWER REQUIREMENT	48VDC
POWER CONSUMPTION	50W Max
HOUSING	Aluminum
CONNECTION	2-pin terminal
INGRESS PROTECTION RATING	Indoor use
CONTROL	Built in constant current driver
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	1000mm(L) x 75mm(H)
WEIGHT	1.2Kg



The Linear 18 is designed for hard to access areas in commercial or residential installations. Due to its cool operation, this product is also suitable for refrigeration lighting jobs in retail stores or commercial freezer units.

Color Ray 4 - Custom fabricated products

[4 x3W RGBA]

FEATURES

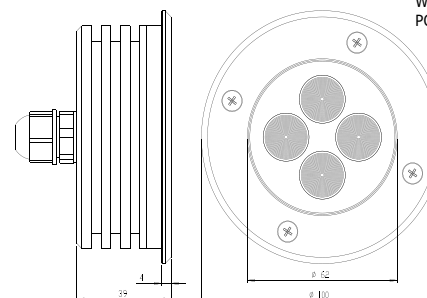
- Rich colorchanging effects
- Very long operation life in excess of 50,000 hours
- Low energy consumption 5W/10W
- Robust construction suitable for outdoor applications
- Fully DMX controlled
- 10 integrated preset programs with speed and fade time selection



The Color Ray 4 is an example of custom fabricated products supplied by DMS Lighting. There are times when a certain project presents itself where standard products will not meet the task. In such cases, DMS Lighting can design and manufacture lighting units to meet the job requirements.

SPECIFICATION

COLOR RANGE	16.7 million (24bit)
LIGHT SOURCE	4x3 watt high power Luxeon K2 LEDs RGBA
BEAM ANGLE	25deg
POWER CONSUMPTION	12W Max
HOUSING	Aluminum / 316 Stainless steel cover
CONNECTION	12-pin Ip67 waterproof connector
INGRESS PROTECTION RATING	IP 66
LISTING	CE certified
OPERATION TEMPERATURE	-10 degC - +50 degC
DIMENSION	100mm(Dia) x 39mm(Depth)
WEIGHT	0.7Kg
POWER AND CONTROL	Ray Power constant current driver 4CH



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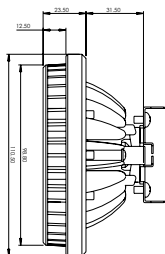
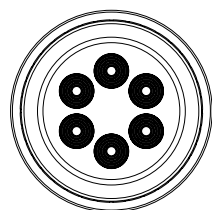
AR 111

[Warm white] [Neutral white] [Cool white]



SPECIFICATION

COLOR RANGE	2800K / 4200K / 6000K
LIGHT SOURCE	6x3 watt high power Cree XRE LEDs
BEAM ANGLE	15deg / 25deg / 10x50deg
POWER INPUT	12VDC/AC
POWER CONSUMPTION	15W Max
HOUSING	Aluminum alloy painted silver
CONNECTION	2-pin terminal
CONTROL	Built in constant current driver
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	111mm(Dia) x 107mm(Depth)
WEIGHT	0.3Kg



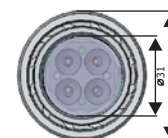
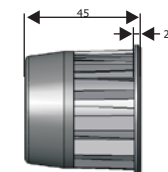
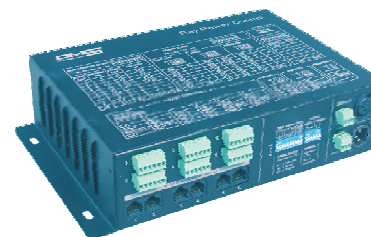
Color Ray MR

[4x1W RGBA] [4x3W RGBA]



SPECIFICATION

COLOR RANGE	16.7 million (24bit)
LIGHT SOURCE	4 high power Luxeon Rebel LEDs (Red, Green, Blue and Amber)
BEAM ANGLE	20, 40 and 20x40deg FWHM
POWER REQUIREMENT	350mA/700mA constant current
POWER CONSUMPTION	8W/12W Max at full intensity (RGBA)
HOUSING	Aluminum alloy painted silver
CONNECTION	Cat.5 cable with RJ45 connector
CONTROL	Ray power 4CH
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	50mm(Dia) x 45mm(Depth)
WEIGHT	0.1Kg



Use the 4 Channel Ray Power Control + DMS SMPSU supply unit to power up and control a multitude of Color Ray MR lamps.

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OL 100

[Warm white] [Neutral white] [Cool white]



SPECIFICATION

COLOR RANGE	2800K, 4200K and 6000K
LIGHT SOURCE	3 watt high power Cree XRELED
BEAM ANGLE	15deg / 25deg / 10x50deg
POWER REQUIREMENT	700mA constant current
POWER CONSUMPTION	3W Max
HOUSING	Aluminum
CONNECTION	2-pin terminal
LISTING	CE certified
OPERATION TEMPERATURE	-20 degC - +50 degC
DIMENSION	25mm(Dia) x 60mm(H)
WEIGHT	0.12Kg

The OL 100 is an install product designed for commercial walkways / path lighting.
Due to the OL 100's long service life, the unit can be permanently installed.

MR 11

[cool white / warm white / color]

SPECIFICATION:

Color : 5 Colors	Red/Green/Blue/Amber/White/Warm white
Operation Voltage	12 V AC/DC
Power Consumption	2W Max
Source	1 Watt Luxeon LED
Source Life	100,000 hours
Base Type	MR 11 / GU 4
Operation temperature	-20 degC - +45 degC
Storage Temperature	-20 degC to +80 degC
Beam angle	10 standard, option medium/wide/elliptical
Weight:	30g
Dimension:	35(D) x 39(H)mm



LED Color	Blue	Green	Amber	Red	White (CCT)	Warm white (CCT)
Dominant Wavelength	455	530	590	627	5500K [*]	3200K [*]
Spectral Half-width	20nm	35nm	14nm	20nm	----	----

Description

DMR-11-R, 1pcs Red x 1 Watt Luxeon LED

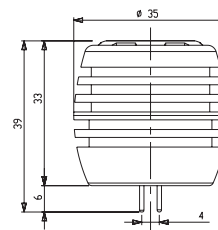
DMR-11-G, 1pcs Green x 1 Watt Luxeon LED

DMR-11-B, 1pcs Blue x 1 Watt Luxeon LED

DMR-11-A, 1pcs Amber x 1 Watt Luxeon LED

DMR-11-W, 1pcs White x 1 Watt Luxeon LED

DMR-11-WW, 1pcs Warm white x 1 Watt Luxeon LED



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