



High power LED Lighting

3Watt Cree XRE LED

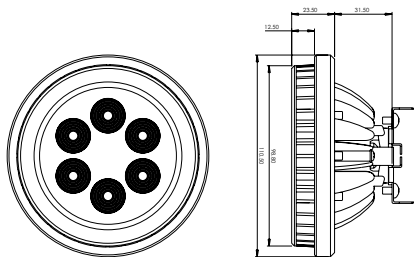
**LED AR 111** [Warm white] [Neutral white] [Cool white]

**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 55mm(Depth)
WEIGHT	0.3Kg

**PHYSICAL DIMENSIONS**



**ORDERING CODE**

Part Number	Description
AR111-14W-CW-15-12V	AR-111 CW 6x3W Cree LED 15° Optic
AR111-14W-CW-25-12V	AR-111 CW 6x3W Cree LED 25° Optic
AR111-14W-CW-1050-12V	AR-111 CW 6x3W Cree LED 10x50° Optic
AR111-14W-WW-15-12V	AR-111 WW 6x3W Cree LED 15° Optic
AR111-14W-WW-25-12V	AR-111 WW 6x3W Cree LED 25° Optic
AR111-14W-CW-1050-12V	AR-111 WW 6x3W Cree LED 10x50° Optic

Neutral White available as special order

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# LED AR 111

## PHOTOMETRIC DATA

[ Warm white ]

### 15 DEGREE LENS Light Source Specifications

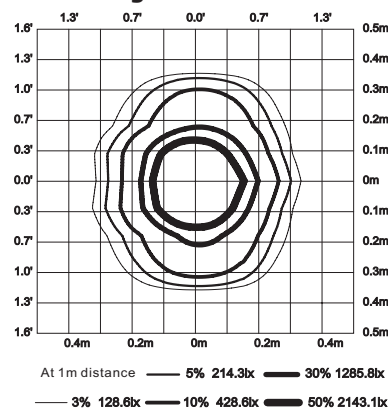
Optics: PMMA lens  
 Light source: High power led  
 Beam angle: 15 deg  
 Light distribution: symmetric direct illumination

#### Illuminance

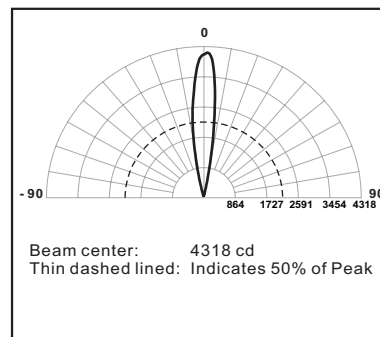
DISTANCE \ COLOR	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
WARM WHITE	4286.2	287.5	1071.6	575	476.2	863	171.4	1438

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

#### Isolux Diagram



#### Light Distribution



IES file is also available

#### Light Output

Color	Warm white
Total (lumens)	467.7
Power(watts)	14
Efficacy(lm/W)	33.4

### 25 DEGREE LENS Light Source Specifications

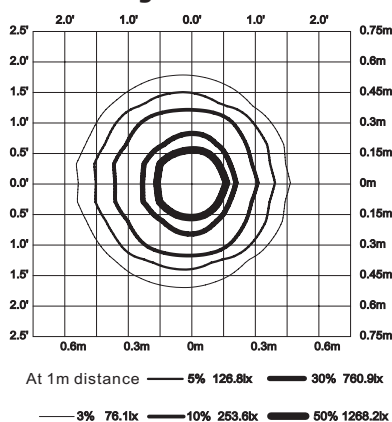
Optics: PMMA lens  
 Light source: High power led  
 Beam angle: 25 deg  
 Light distribution: symmetric direct illumination

#### Illuminance

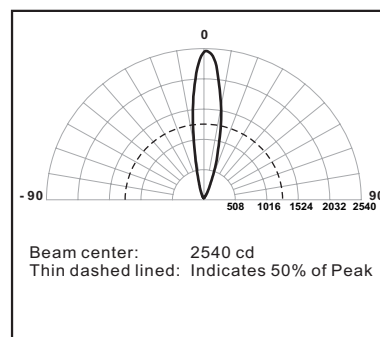
DISTANCE \ COLOR	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
WARM WHITE	2536.4	325	634.2	650	281.8	975	101.4	1625

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

#### Isolux Diagram



#### Light Distribution



IES file is also available

#### Light Output

Color	Warm white
Total (lumens)	415.3
Power(watts)	14
Efficacy(lm/W)	30

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**LED AR 111**

**PHOTOMETRIC DATA**

[ cool white ]

**15 DEGREE LENS** Light Source Specifications

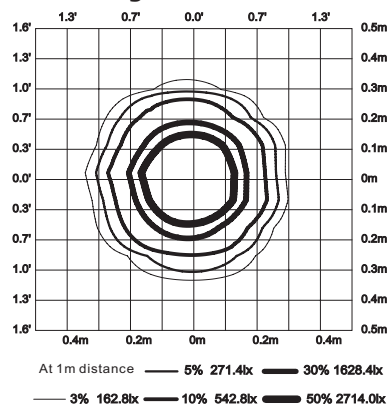
Optics: PMMA lens  
 Light source: High power led  
 Beam angle: 15 deg  
 Light distribution: symmetric direct illumination

**Illuminance**

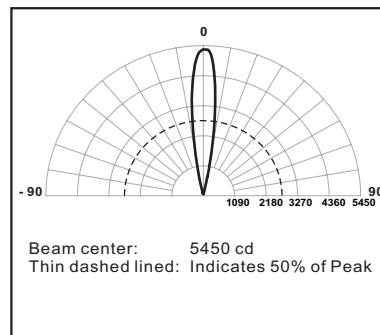
DISTANCE \ COLOR	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
COOL WHITE	5428.8	290	1357.2	580	603.2	870	217.2	1450

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

**Isolux Diagram**



**Light Distribution**



IES file is also available

**Light Output**

Color	Cool white
Total (lumens)	571.3
Power(watts)	12.9
Efficacy(lm/W)	44.3

**25 DEGREE LENS** Light Source Specifications

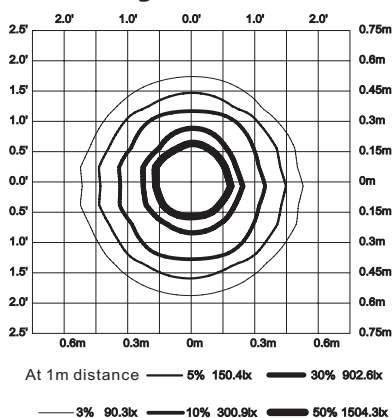
Optics: PMMA lens  
 Light source: High power led  
 Beam angle: 25 deg  
 Light distribution: symmetric direct illumination

**Illuminance**

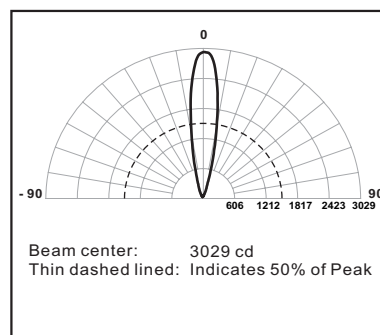
DISTANCE \ COLOR	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
COOL WHITE	3009.4	345	752.4	690	334.4	1035	120.4	1725

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

**Isolux Diagram**



**Light Distribution**



IES file is also available

**Light Output**

Color	Cool white
Total (lumens)	530.4
Power(watts)	13
Efficacy(lm/W)	40.8

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**LED AR 111**

**PHOTOMETRIC DATA**

[ 10x50deg lens ]

**Cool white** Light Source Specifications

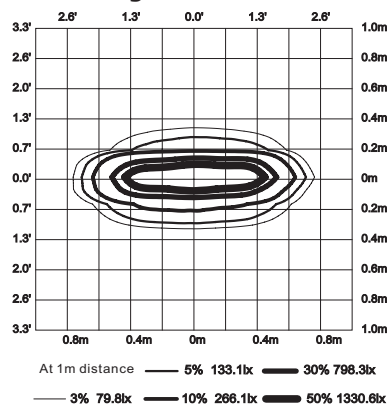
Optics: PMMA lens  
 Light source: High power led  
 Beam angle: 10x50 deg  
 Light distribution: symmetric direct illumination

**Illuminance**

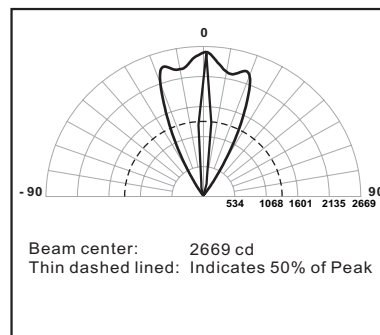
DISTANCE \ COLOR	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
COOL WHITE	2663.4	175x885	665.8	340x1770	296	510x2665	106.6	850x4425

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

**Isolux Diagram**



**Light Distribution**



IES file is also available

**Light Output**

Color	Cool white
Total (lumens)	567
Power(watts)	13
Efficacy(lm/W)	43.6

**Warm white** Light Source Specifications

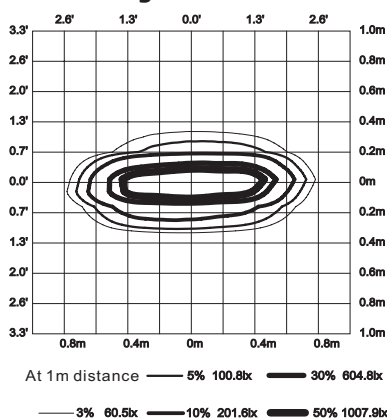
Optics: PMMA lens  
 Light source: High power led  
 Beam angle: 10x50 deg  
 Light distribution: symmetric direct illumination

**Illuminance**

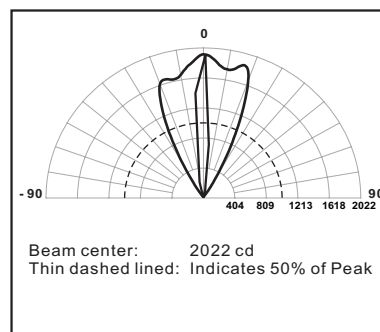
DISTANCE \ COLOR	1m		2m		3m		5m	
	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)	Lux	Size(mm)
WARM WHITE	2017	190x890	504.2	380x1780	224.2	570x2670	80.6	950x4450

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

**Isolux Diagram**



**Light Distribution**



IES file is also available

**Light Output**

Color	Warm white
Total (lumens)	461.5
Power(watts)	14
Efficacy(lm/W)	33

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