

Photometric Test Report



ARCSHINE12FC

12 x 8 W RGBW / FC outdoor

IP66 linear fixture with pixel control

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TESTING PROCESS

Prolights has its own optical testing laboratory in order to provide accurate photometric reports for its lighting products. The testing laboratory contains certain variety of precise lighting measurement systems that ensure an optimal reading of all the characteristic parameters of the lighting devices. All measurements are made at a controlled room temperature of 20°C without any external light sources. This photometric report is obtained through the data measured by a high precision measurement system and analyzed by a dedicate software.

Prolights measurement instrument

Prolights measurement instrument is a complete measurement system for any light source. It's equipped with two-axis goniometer, that enables to measure the full 3D distribution field of the light source. This instrument measures the light intensity, the beam angle and the most significative colors parameters, like color temperature, spectral distribution, CRI, CQS, TM-30 with a very high accuracy rate.

Please Note: All measurements are made with light source at operating temperature. Before starting the measurement, the instrument analyzes the process of the light source during the heating phase. The measuring process of all the parameters begins only when the light emission is stable, that is with a variation of less than 0.5% in a 15 minutes time frame.

Prolights measurement software

The software provides user friendly interface for the operator who does the measurements, and it also analyzes and processes all the collected data by the instrument. With this software it is possible to see the measured data in real-time and it is possible to examine all the measured data and graphics afterwards as well. All information is collected in a specific Prolights template, and the software creates also IES and LDT files, which are widely used to transfer the photometric data, and to develop lighting system.

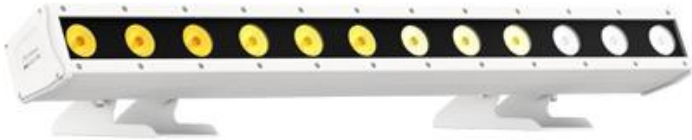
Additionally, the fixtures are rechecked using various hand-held instruments like Sekonic C-700 and Gossen Mavospec Base, this is done to ensure, that the data in the photometric report are as accurate as possible.

Total lumen output:

2995 lm

Peak candela output:

29575 cd



PRODUCT NAME:

ARCSHINE12

MEASURAMENT CONDITIONS:

Beam angle:

15°

Target:

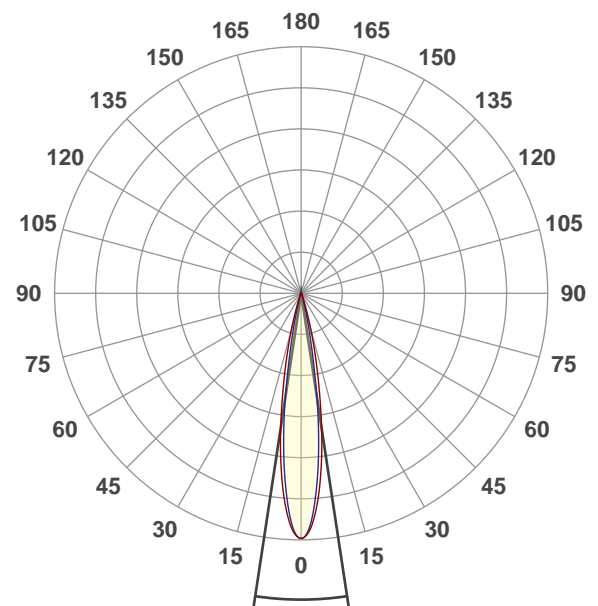
Full On

Operator:

Paolo Carvone

Date and time:

11/08/2020 10:47:20

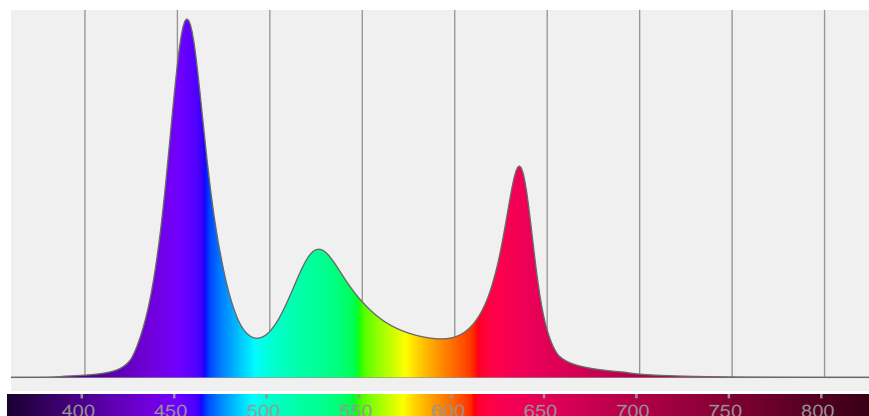


Beam angle 50%: 17,2°

Field angle 10%: 29,8°

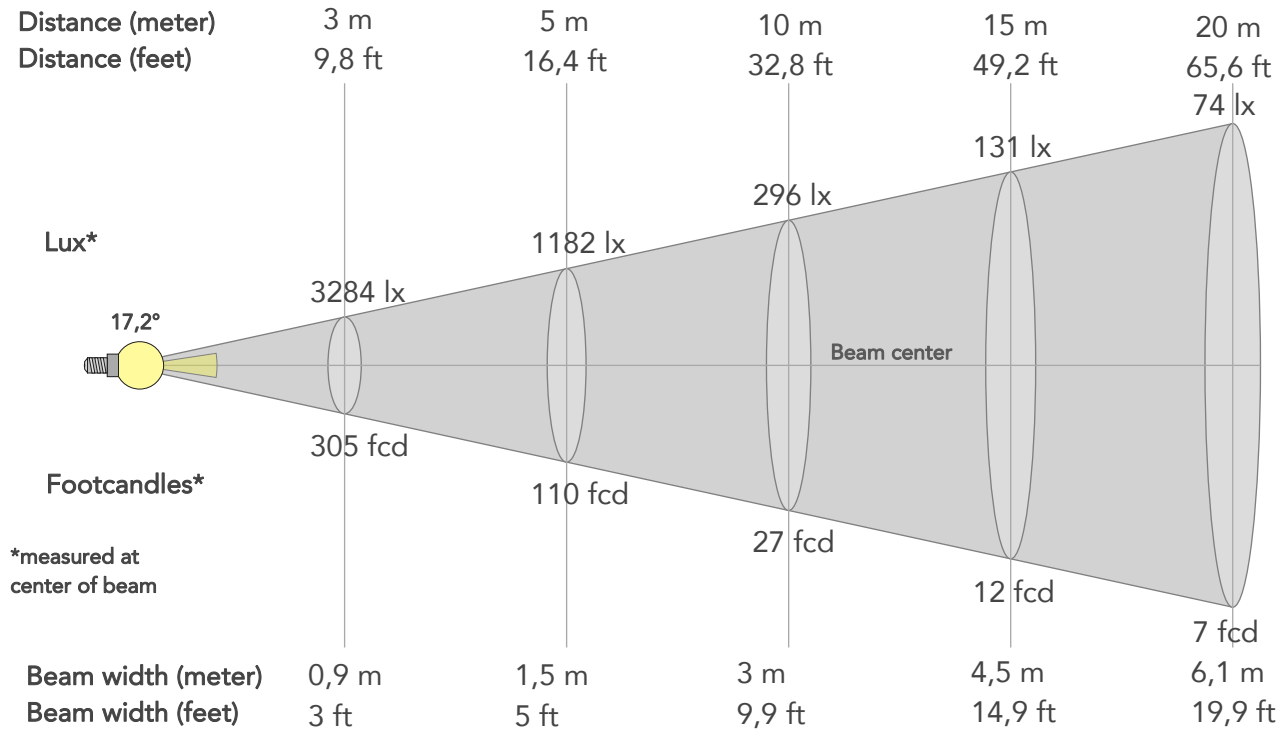
Cut off angle 2.5%: 39°

Spectra



BEAM DETAILS

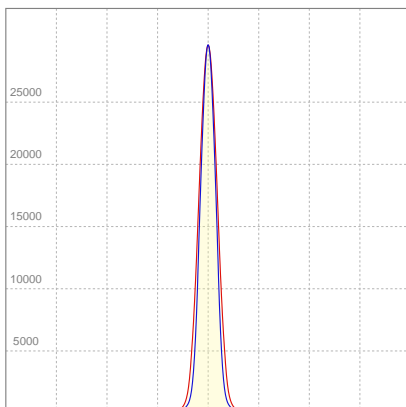
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,2°	29,8°	39°	100,0%	99,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	29559lx	7390lx	3284lx	1847lx	1182lx	526lx	296lx	131lx	74lx	47lx	33lx	18lx	12lx
Footcand.	2746fcd	687fcd	305fcd	172fcd	110fcd	49fcd	27fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,3m	3m	4,5m	6,1m	7,6m	9,1m	12,1m	15,2m
Beam wid.	1ft	2ft	3ft	4ft	5ft	7,5ft	9,9ft	14,9ft	19,9ft	24,9ft	29,8ft	39,8ft	49,7ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,501A	107,2W	28lm/W
Power FC			
0,95			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



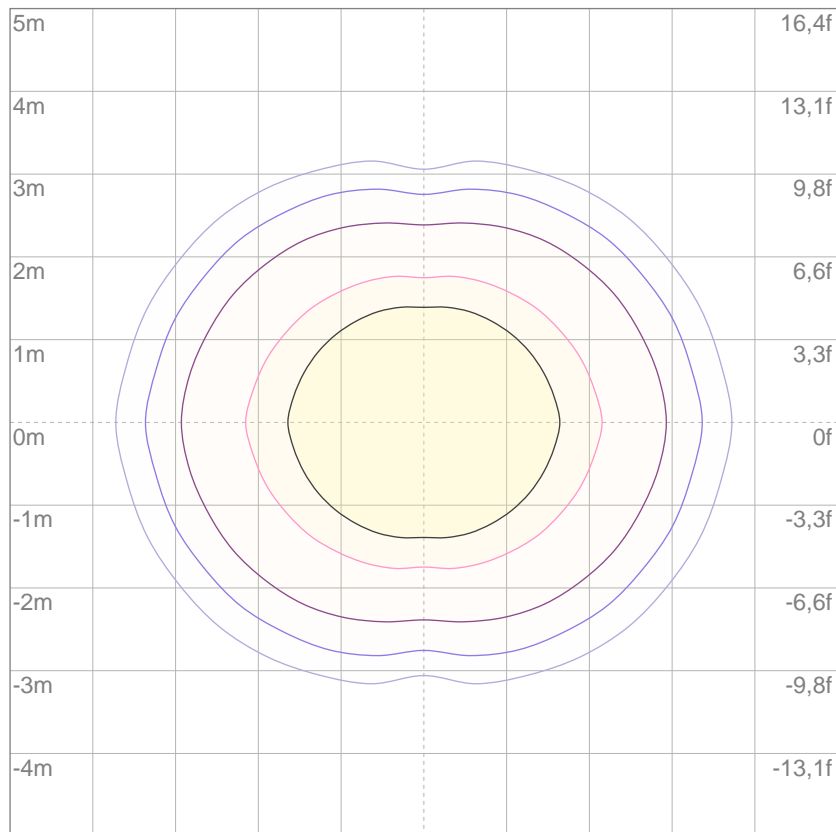
10%	2956 cd
20%	5912 cd
30%	8868 cd
40%	11824 cd
50%	14780 cd
60%	17736 cd
70%	20692 cd
80%	23648 cd

Conditions:

Number of c-planes: 4

Candela at center: 29559 cd

ISO LUX DIAGRAM



3%	8,87 lx
5%	14,8 lx
10%	29,6 lx
30%	88,7 lx
50%	148 lx

Conditions:

Number of c-planes: 4

Lux at center: 296 lx

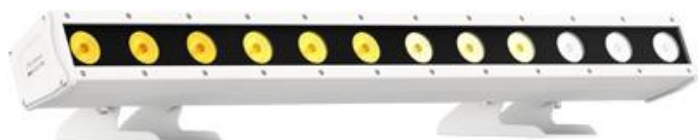
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Total lumen output:

2907 lm

Peak candela output:

15331 cd



PRODUCT NAME:

ARCSHINE12

MEASUREMENT CONDITIONS:

Beam angle:

25°

Target:

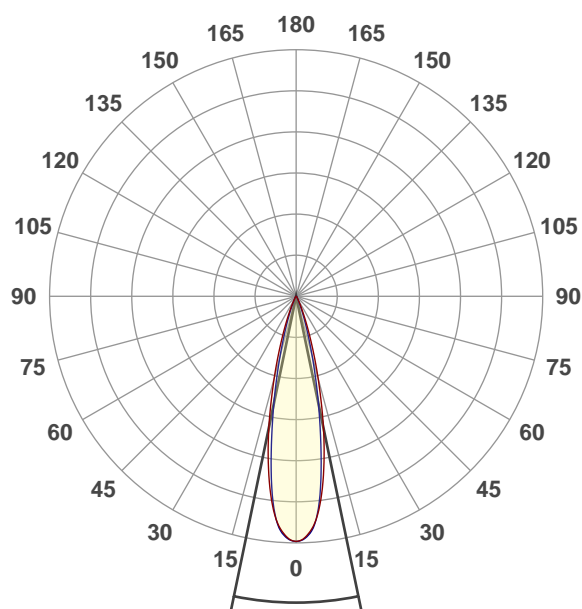
Full On

Operator:

Paolo Carvone

Date and time:

11/08/2020 12:08:44

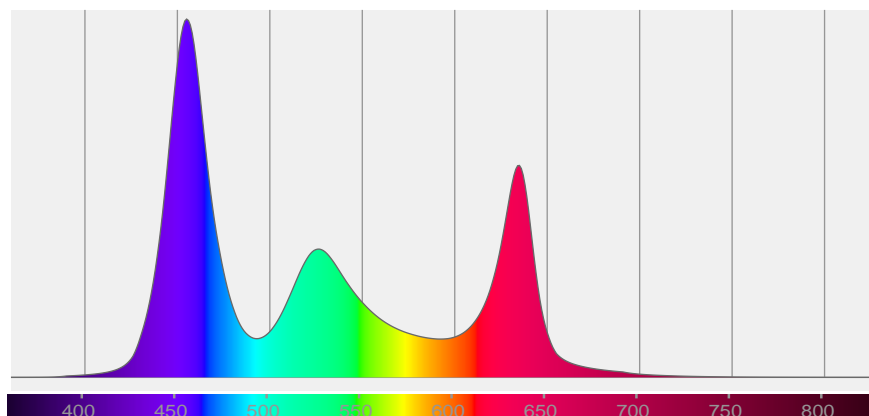


Beam angle 50%: 23,4°

Field angle 10%: 40,9°

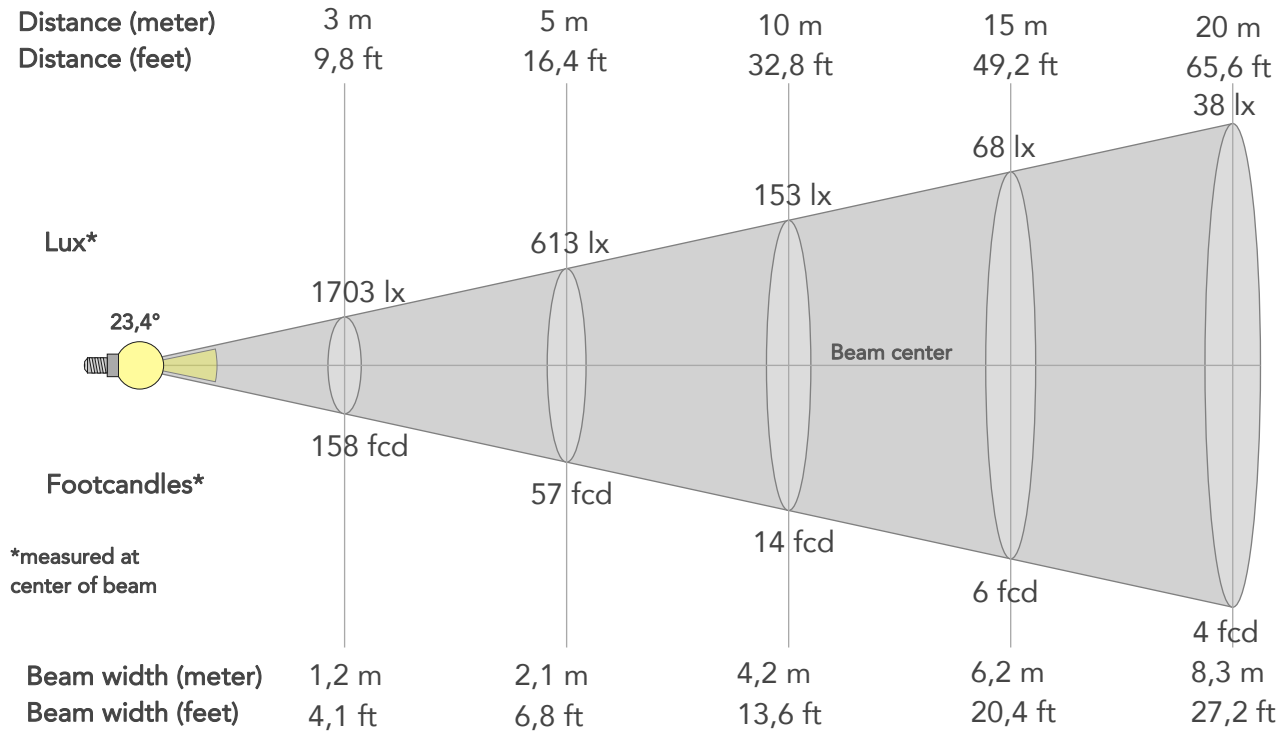
Cut off angle 2.5%: 53,2°

Spectra



BEAM DETAILS

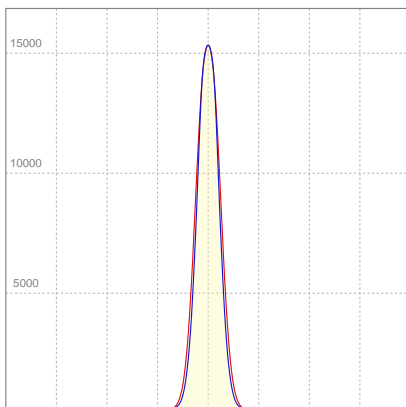
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	40,9°	53,2°	99,8%	98,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	15325lx	3831lx	1703lx	958lx	613lx	272lx	153lx	68lx	38lx	25lx	17lx	10lx	6lx
Footcand.	1424fcd	356fcd	158fcd	89fcd	57fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,5ft	68,1ft

LINEAR DISTRIBUTION DIAGRAM

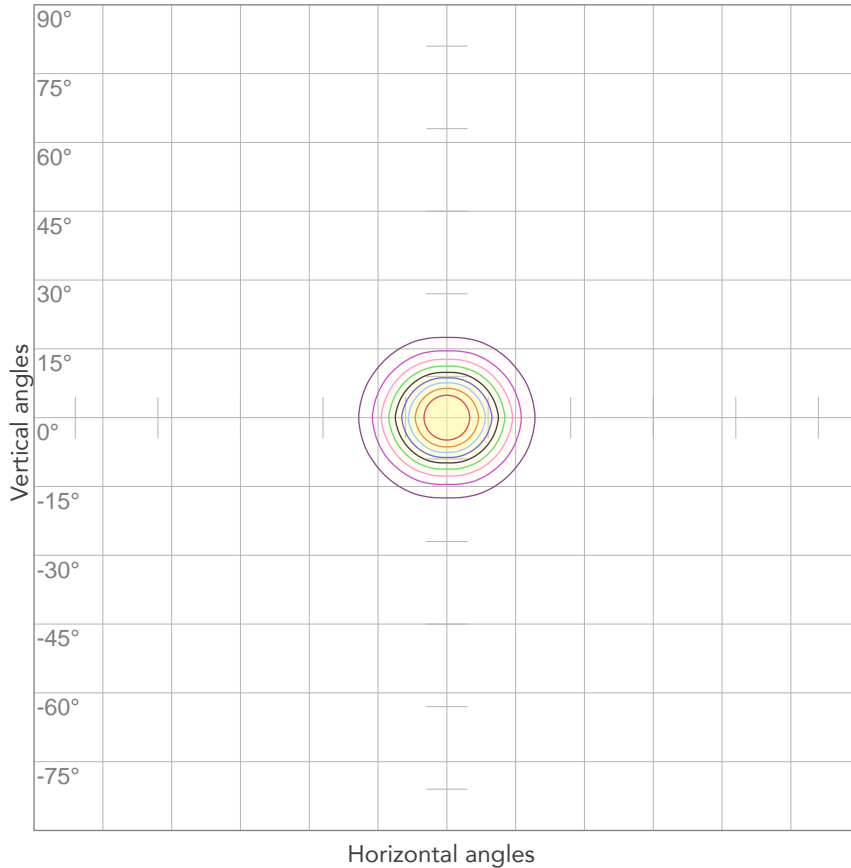


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,501A	107,9W	27lm/W
Power FC			
0,95			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



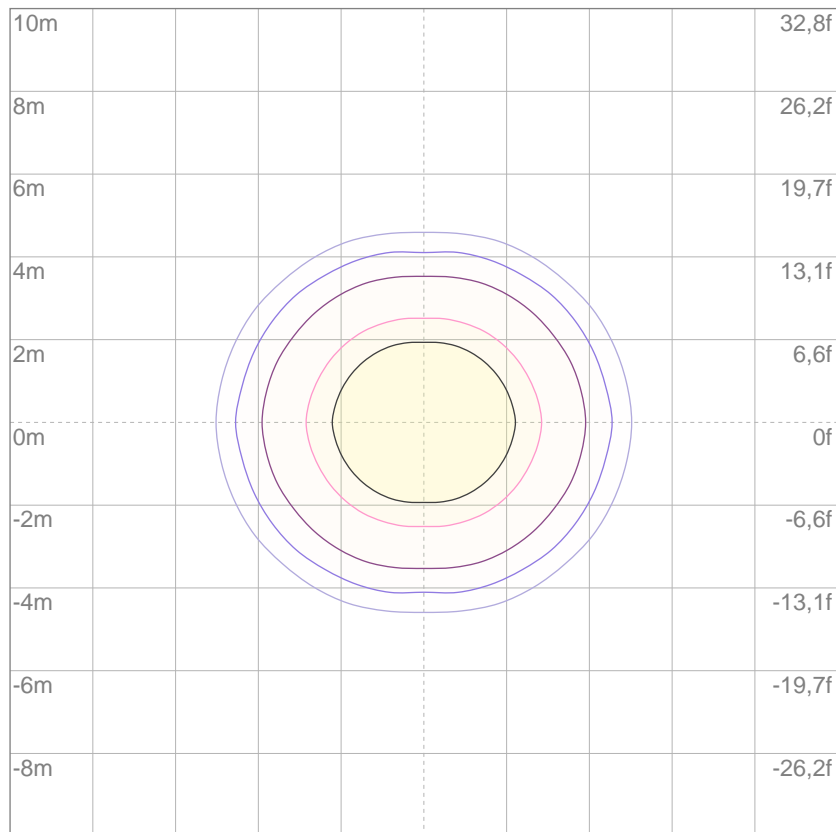
10%	1532 cd
20%	3065 cd
30%	4597 cd
40%	6130 cd
50%	7662 cd
60%	9195 cd
70%	10727 cd
80%	12260 cd

Conditions:

Number of c-planes: 4

Candela at center: 15325 cd

ISO LUX DIAGRAM



3%	4,60 lx
5%	7,66 lx
10%	15,3 lx
30%	46,0 lx
50%	76,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 153 lx

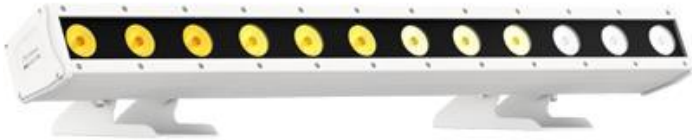
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Total lumen output:

2756 lm

Peak candela output:

4390 cd



PRODUCT NAME:

ARCSHINE12

MEASURAMENT CONDITIONS:

Beam angle:

45°

Target:

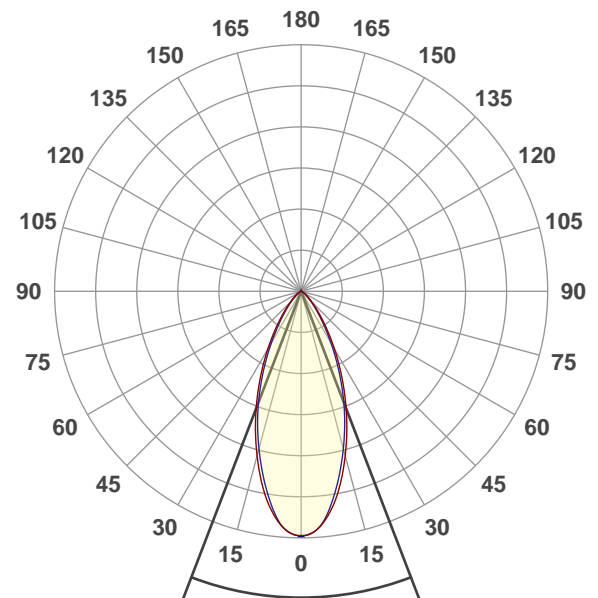
Full On

Operator:

Paolo Carvone

Date and time:

11/08/2020 13:06:48

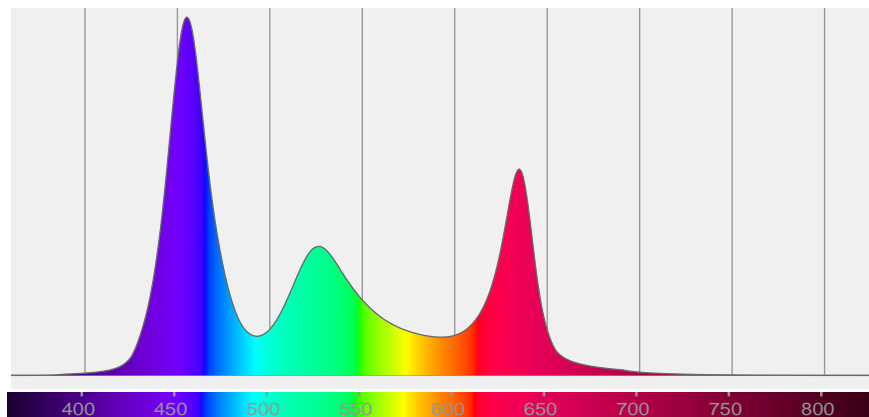


Beam angle 50%: 42°

Field angle 10%: 79,3°

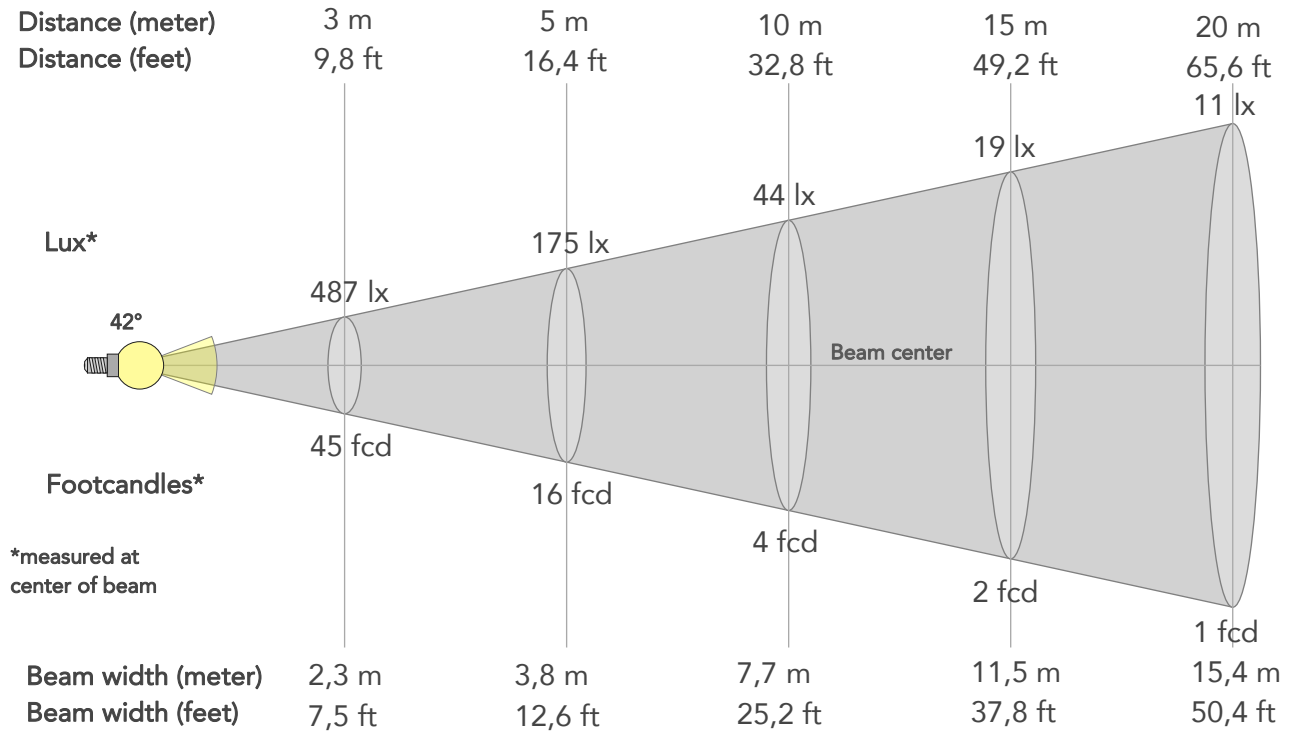
Cut off angle 2.5%: 105,6°

Spectra



BEAM DETAILS

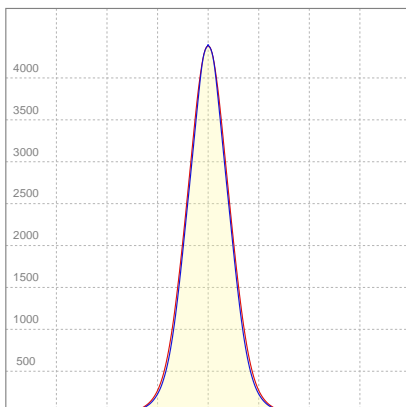
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42°	79,3°	105,6°	98,2%	92,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4381lx	1095lx	487lx	274lx	175lx	78lx	44lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	407fcd	102fcd	45fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3,1m	3,8m	5,8m	7,7m	11,5m	15,4m	19,2m	23m	30,7m	38,4m
Beam wid.	2,5ft	5,1ft	7,5ft	10,1ft	12,6ft	18,9ft	25,2ft	37,8ft	50,4ft	63ft	75,5ft	100,7ft	125,9ft

LINEAR DISTRIBUTION DIAGRAM



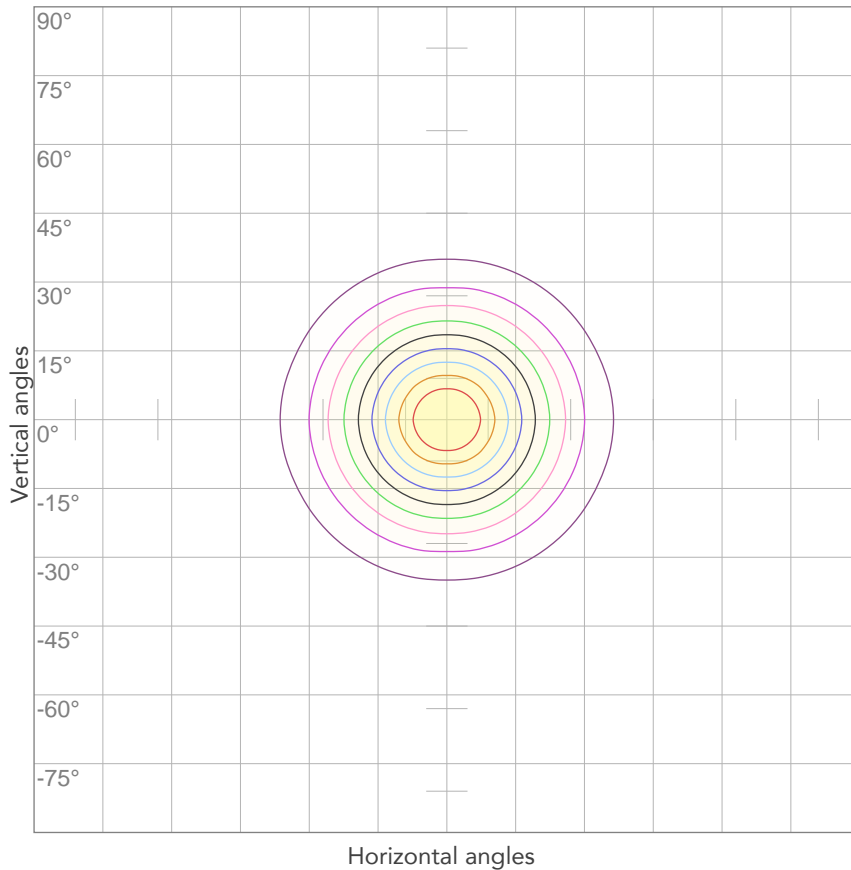
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,506A	107,5W	26lm/W

Power FC
0,95

ISO DIAGRAMS

ISO CANDELA DIAGRAM



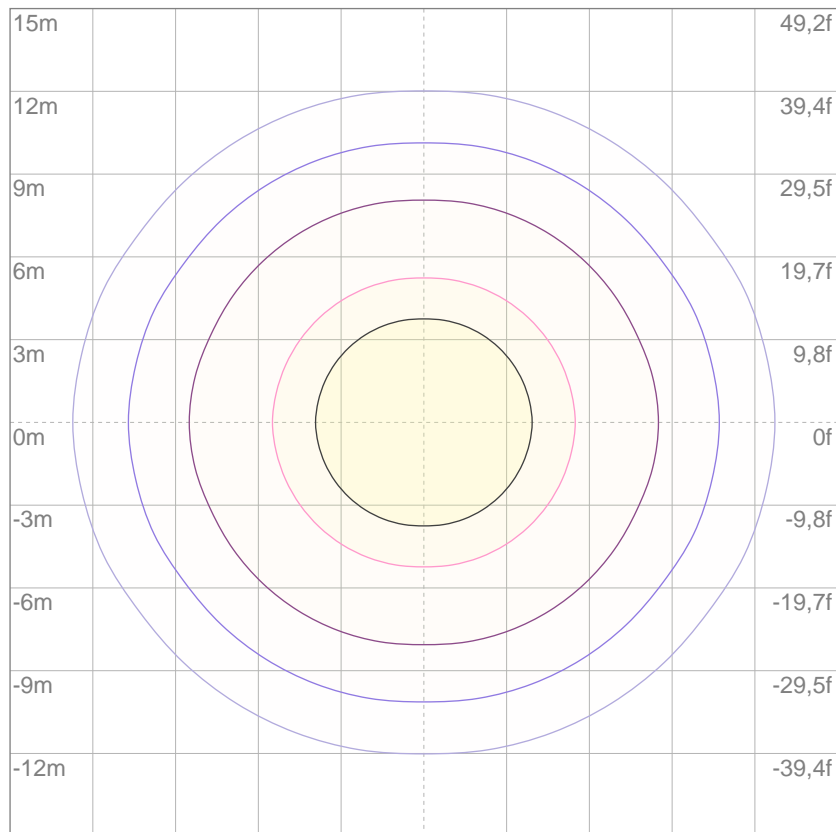
10%	438 cd
20%	876 cd
30%	1314 cd
40%	1752 cd
50%	2190 cd
60%	2628 cd
70%	3066 cd
80%	3504 cd

Conditions:

Number of c-planes: 4

Candela at center: 4381 cd

ISO LUX DIAGRAM



3%	1,31 lx
5%	2,19 lx
10%	4,38 lx
30%	13,1 lx
50%	21,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 43,8 lx

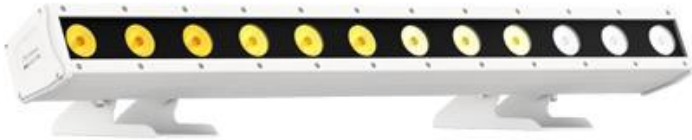
*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

Total lumen output:

544 lm

Peak candela output:

5227 cd



PRODUCT NAME:

ARCSHINE12

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

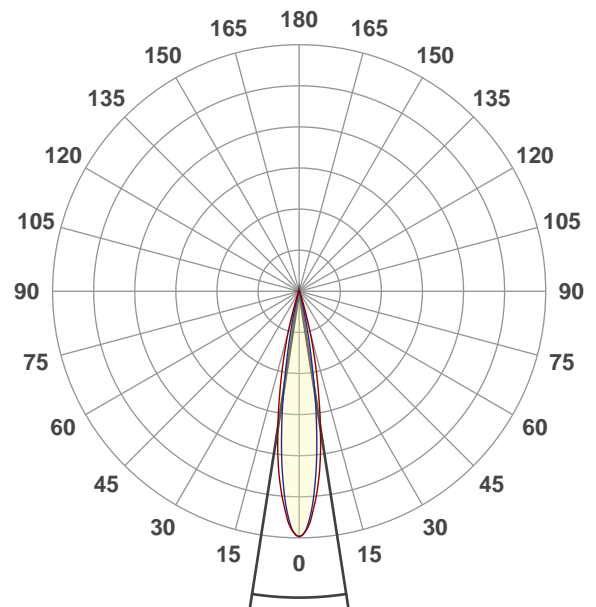
Red

Operator:

Paolo Carvone

Date and time:

11/08/2020 10:44:43

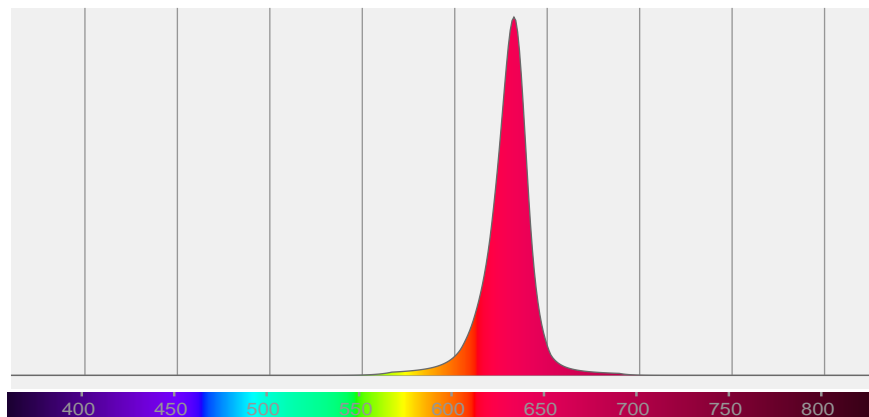


Beam angle 50%: 17,7°

Field angle 10%: 29,8°

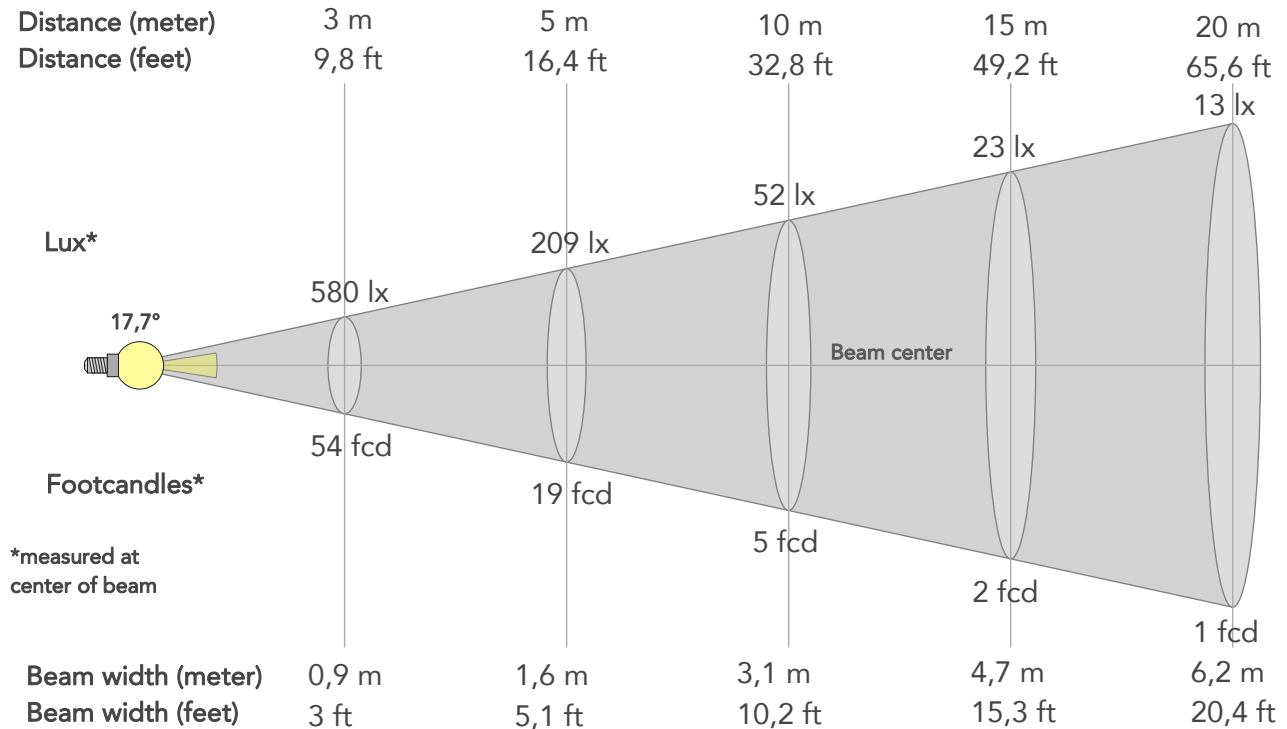
Cut off angle 2.5%: 38°

Spectra



BEAM DETAILS

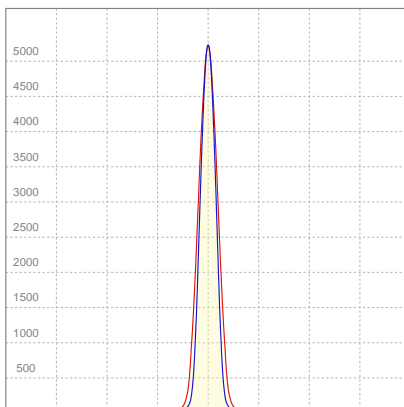
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,7°	29,8°	38°	99,9%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5224lx	1306lx	580lx	327lx	209lx	93lx	52lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	485fcd	121fcd	54fcd	30fcd	19fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,6m	2,3m	3,1m	4,7m	6,2m	7,8m	9,3m	12,4m	15,6m
Beam wid.	1ft	2,1ft	3ft	4,1ft	5,1ft	7,7ft	10,2ft	15,3ft	20,4ft	25,5ft	30,6ft	40,8ft	51ft

LINEAR DISTRIBUTION DIAGRAM



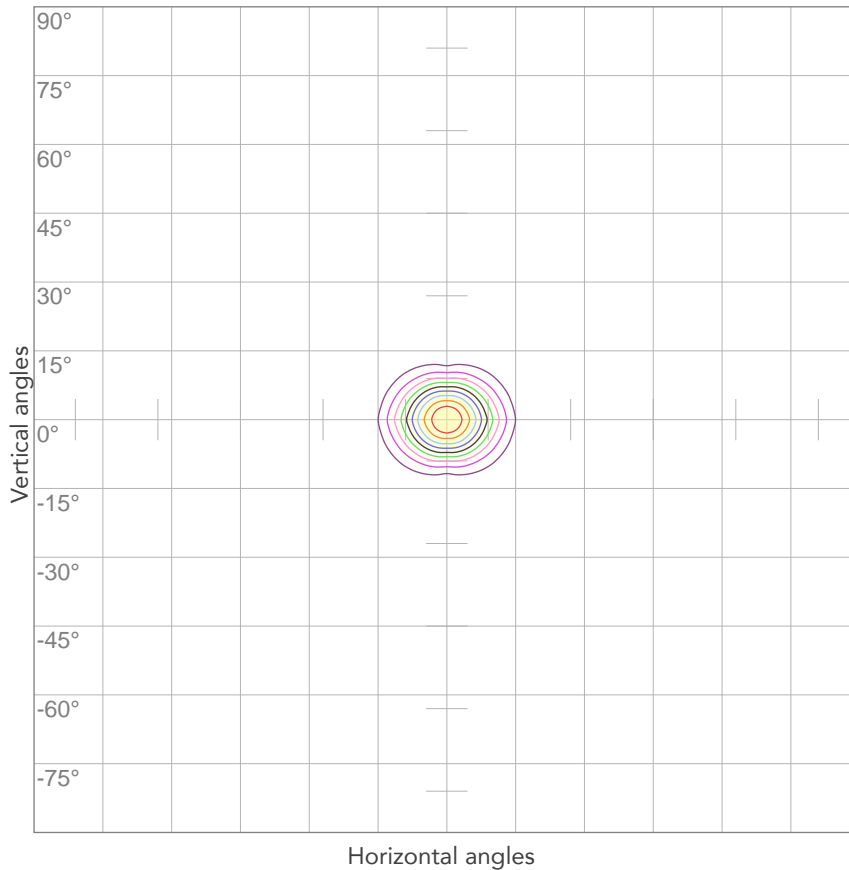
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,159A	26,5W	21lm/W

Power FC
0,73

ISO DIAGRAMS

ISO CANDELA DIAGRAM



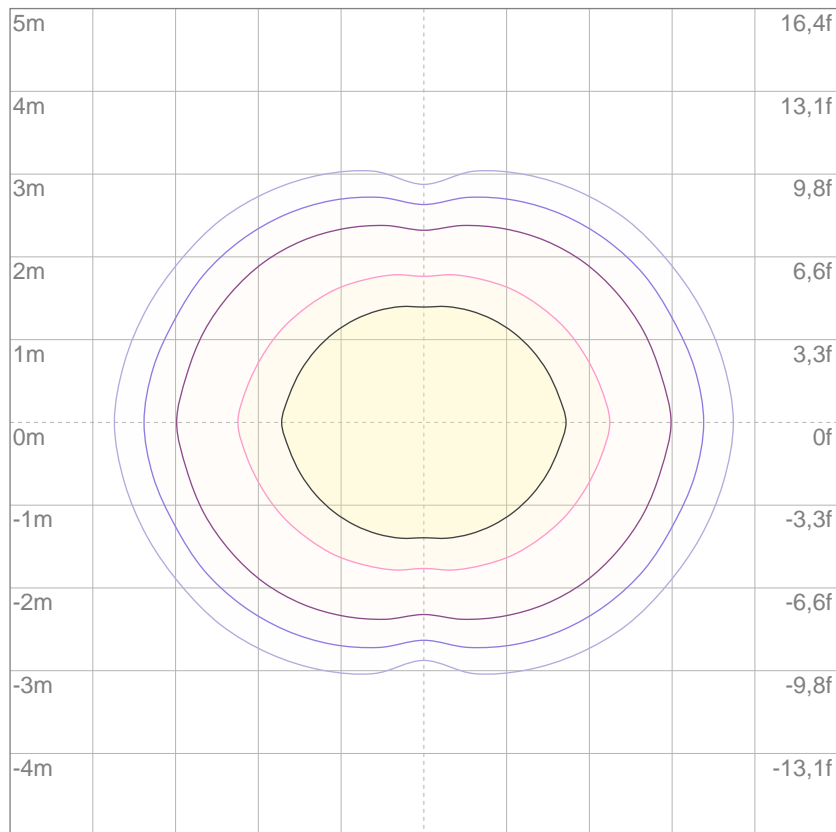
10%	522 cd
20%	1045 cd
30%	1567 cd
40%	2090 cd
50%	2612 cd
60%	3135 cd
70%	3657 cd
80%	4179 cd

Conditions:

Number of c-planes: 4

Candela at center: 5224 cd

ISO LUX DIAGRAM



3%	1,57 lx
5%	2,61 lx
10%	5,22 lx
30%	15,7 lx
50%	26,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 52,2 lx

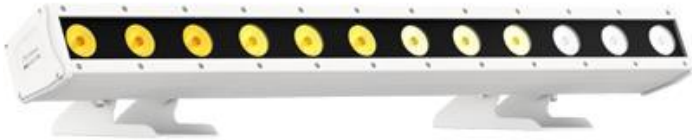
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Total lumen output:

522 lm

Peak candela output:

2873 cd



PRODUCT NAME:

ARCSHINE12

MEASUREMENT CONDITIONS:

Beam angle:

25°

Target:

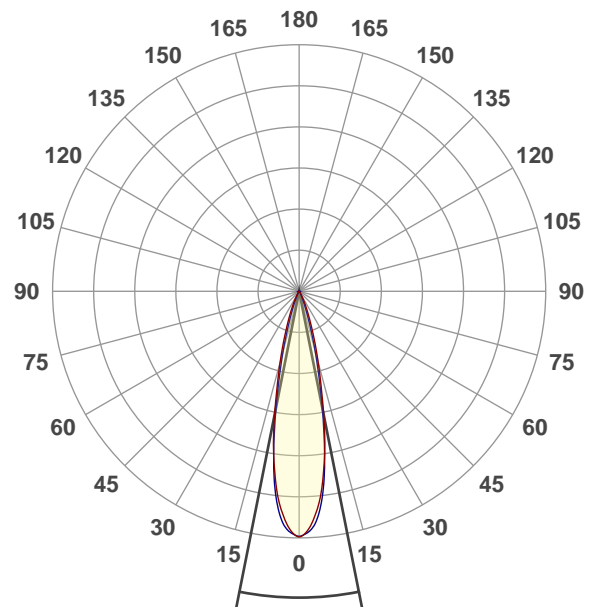
Red

Operator:

Paolo Carvone

Date and time:

11/08/2020 12:11:31

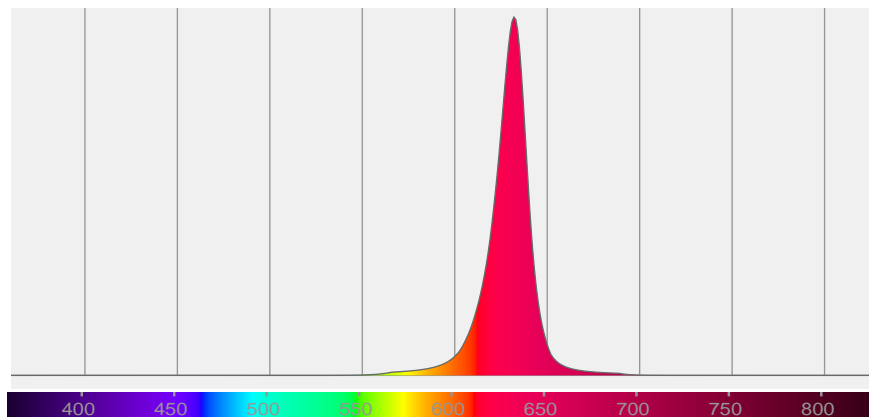


Beam angle 50%: 22,5°

Field angle 10%: 40,8°

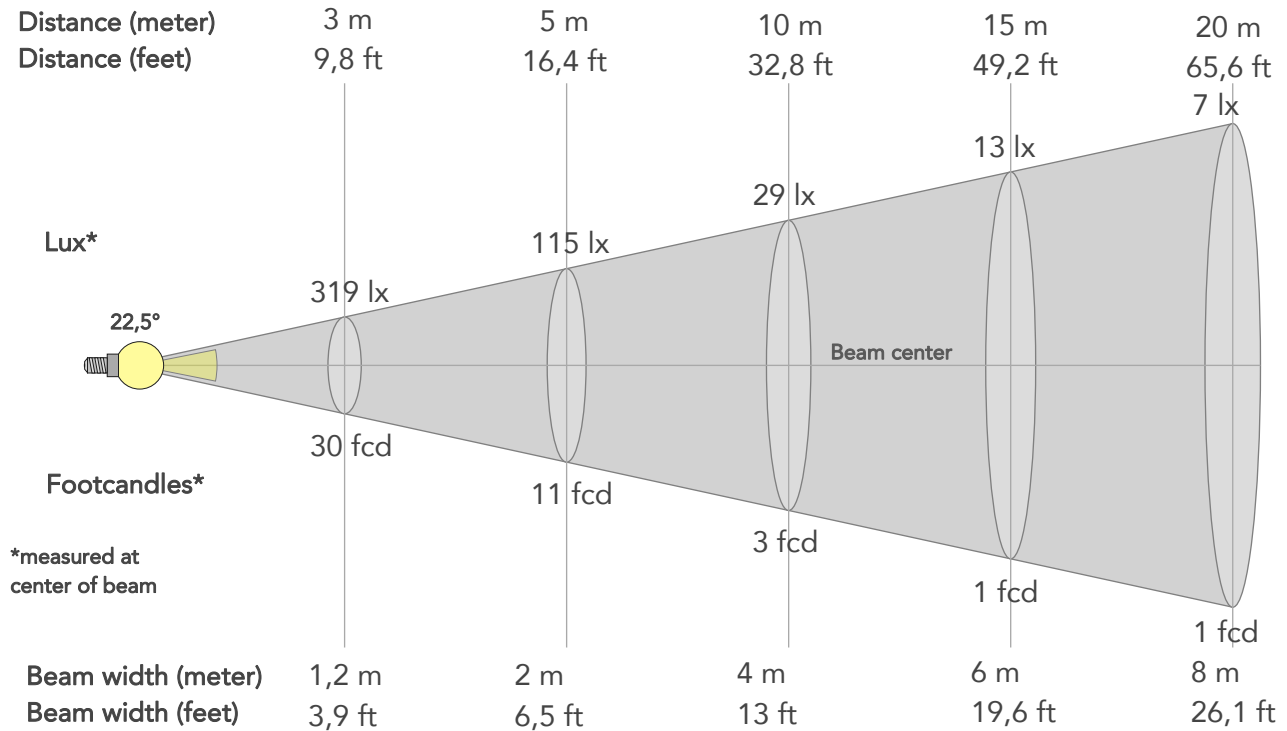
Cut off angle 2.5%: 53,1°

Spectra



BEAM DETAILS

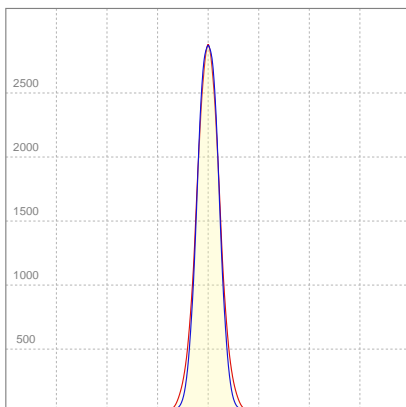
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,5°	40,8°	53,1°	99,5%	98,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2871lx	718lx	319lx	179lx	115lx	51lx	29lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	267fcd	67fcd	30fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4m	6m	8m	9,9m	11,9m	15,9m	19,9m
Beam wid.	1,3ft	2,6ft	3,9ft	5,2ft	6,5ft	9,8ft	13ft	19,6ft	26,1ft	32,6ft	39,1ft	52,2ft	65,2ft

LINEAR DISTRIBUTION DIAGRAM

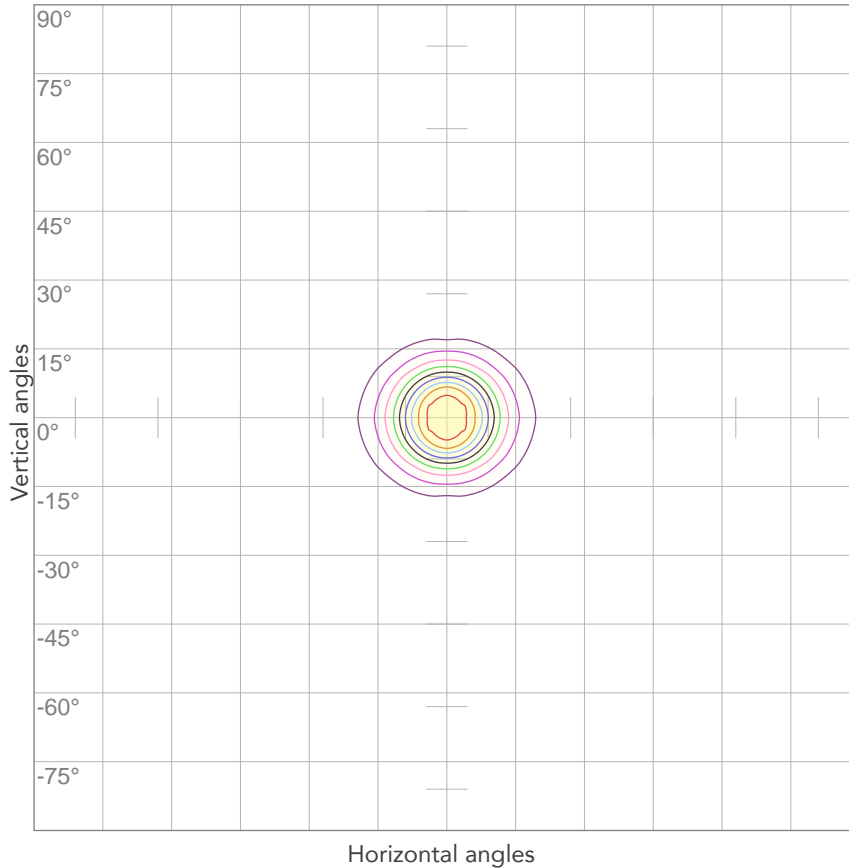


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Efficiency
225V	0,159A	26,4W	20lm/W
Power FC			
0,74			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



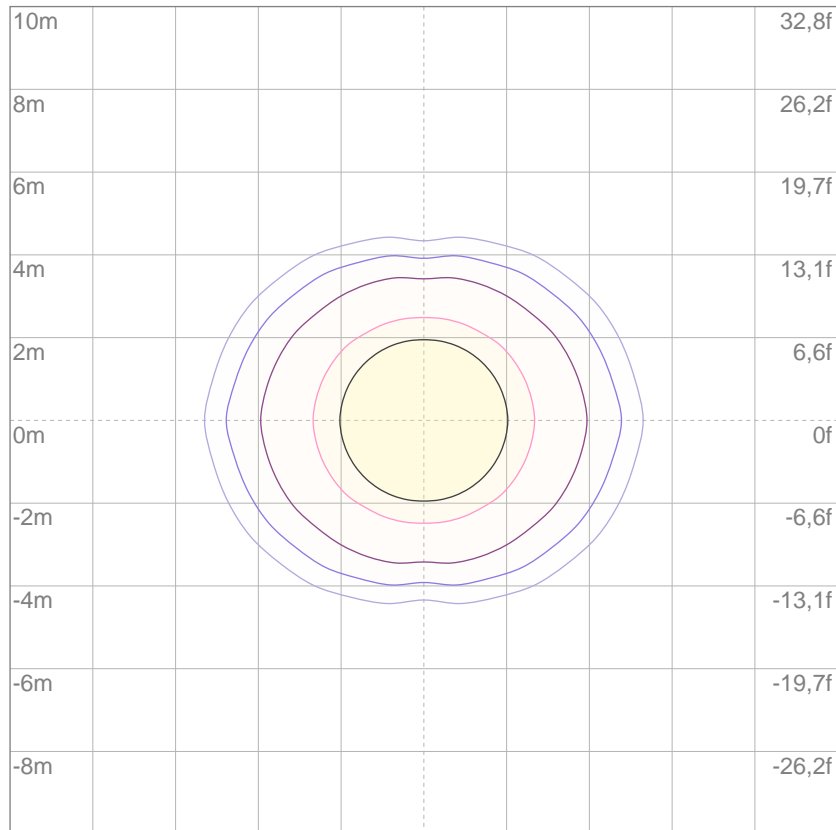
10%	287 cd
20%	574 cd
30%	861 cd
40%	1148 cd
50%	1435 cd
60%	1722 cd
70%	2010 cd
80%	2297 cd

Conditions:

Number of c-planes: 4

Candela at center: 2871 cd

ISO LUX DIAGRAM



3%	0,861 lx
5%	1,44 lx
10%	2,87 lx
30%	8,61 lx
50%	14,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 28,7 lx

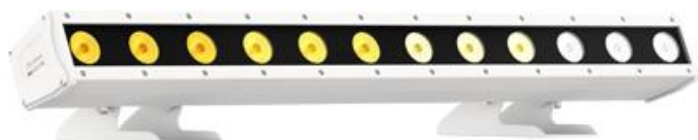
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Total lumen output:

478 lm

Peak candela output:

780 cd



PRODUCT NAME:

ARCSHINE12

MEASURAMENT CONDITIONS:

Beam angle:

45°

Target:

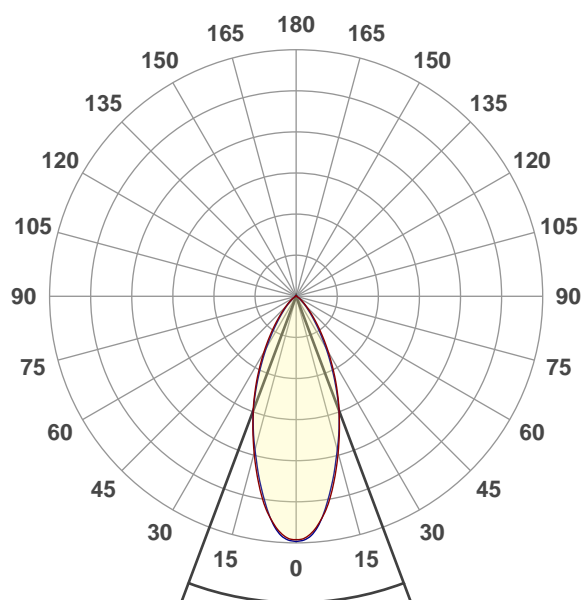
Red

Operator:

Paolo Carvone

Date and time:

11/08/2020 13:10:03

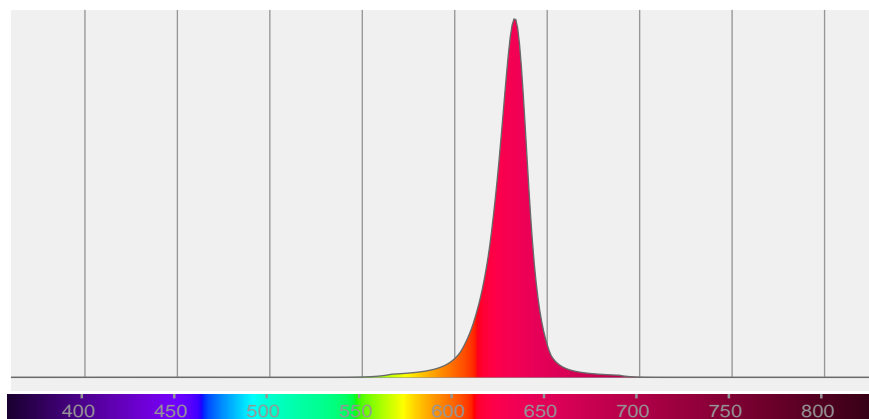


Beam angle 50%: 41,1°

Field angle 10%: 79,2°

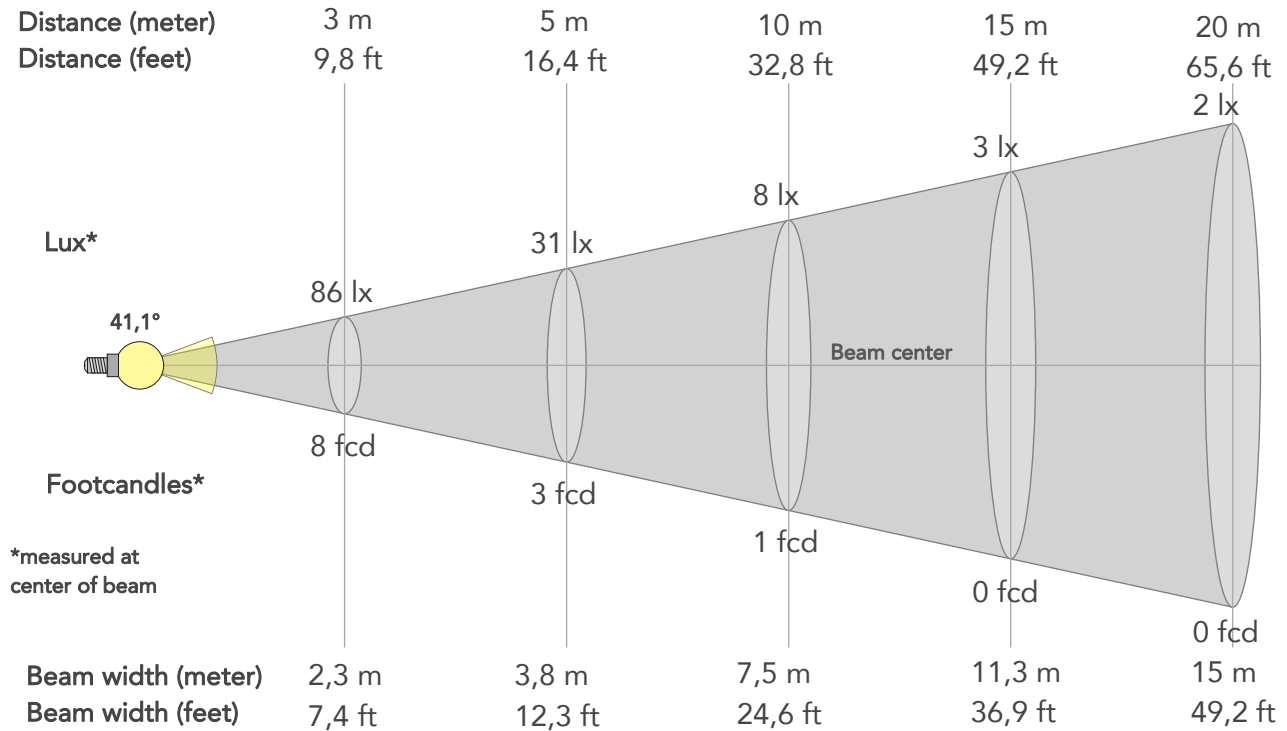
Cut off angle 2.5%: 105,5°

Spectra



BEAM DETAILS

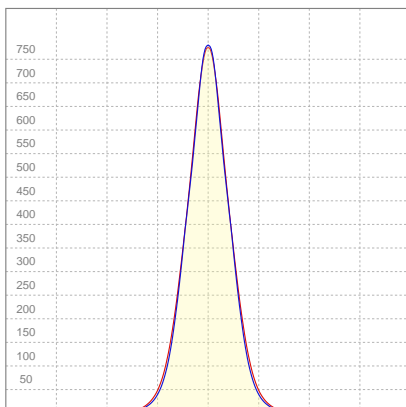
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,1°	79,2°	105,5°	98,3%	92,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	776lx	194lx	86lx	49lx	31lx	14lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	72fcd	18fcd	8fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,6m	7,5m	11,3m	15m	18,8m	22,5m	30m	37,5m
Beam wid.	2,5ft	5ft	7,4ft	9,8ft	12,3ft	18,5ft	24,6ft	36,9ft	49,2ft	61,5ft	73,9ft	98,5ft	123,1ft

LINEAR DISTRIBUTION DIAGRAM



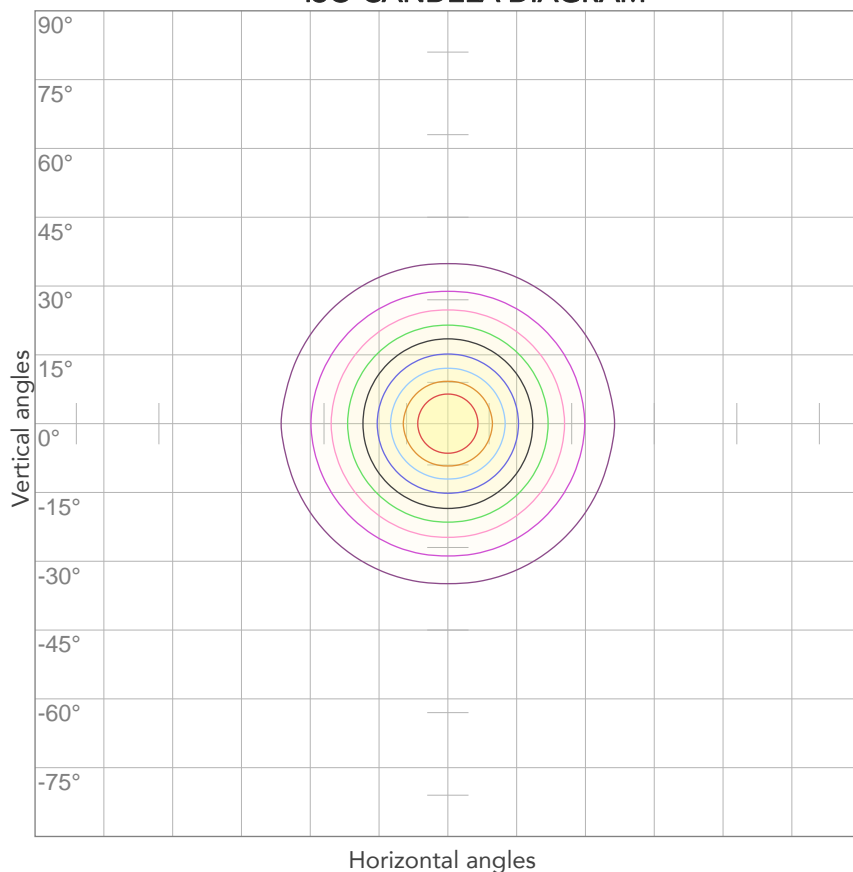
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,159A	26,4W	18lm/W

Power FC
0,74

ISO DIAGRAMS

ISO CANDELA DIAGRAM



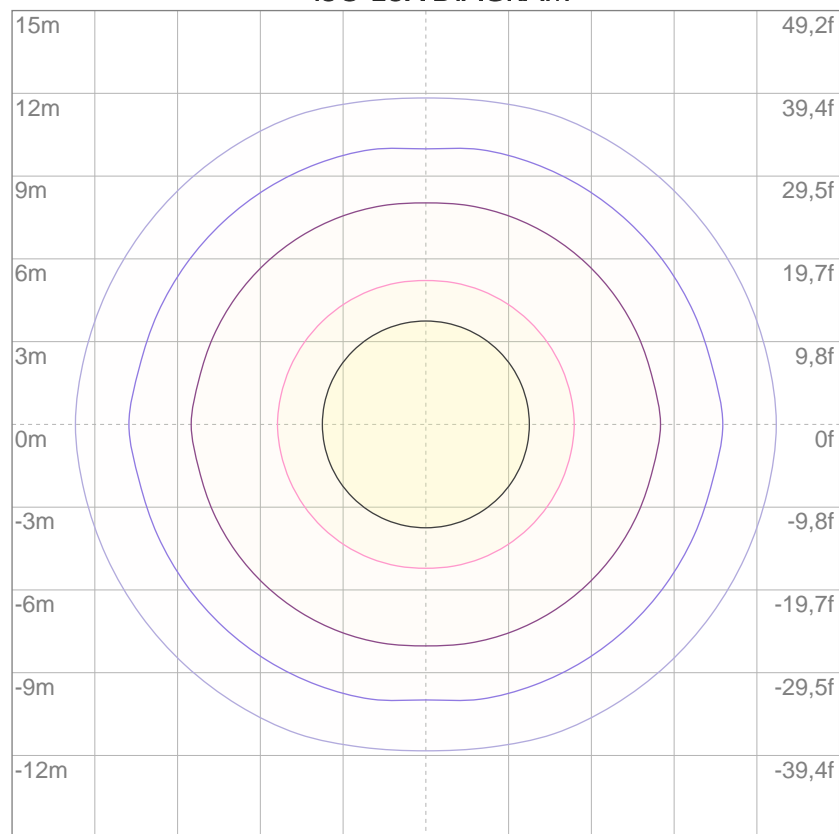
10%	78 cd
20%	155 cd
30%	233 cd
40%	311 cd
50%	388 cd
60%	466 cd
70%	544 cd
80%	621 cd

Conditions:

Number of c-planes: 4

Candela at center: 776 cd

ISO LUX DIAGRAM



3%	0,233 lx
5%	0,388 lx
10%	0,776 lx
30%	2,33 lx
50%	3,88 lx

Conditions:

Number of c-planes: 4

Lux at center: 7,76 lx

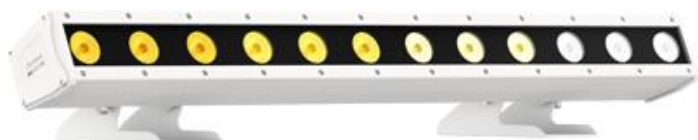
*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

Total lumen output:

1144 lm

Peak candela output:

11100 cd



PRODUCT NAME:

ARCSHINE12

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

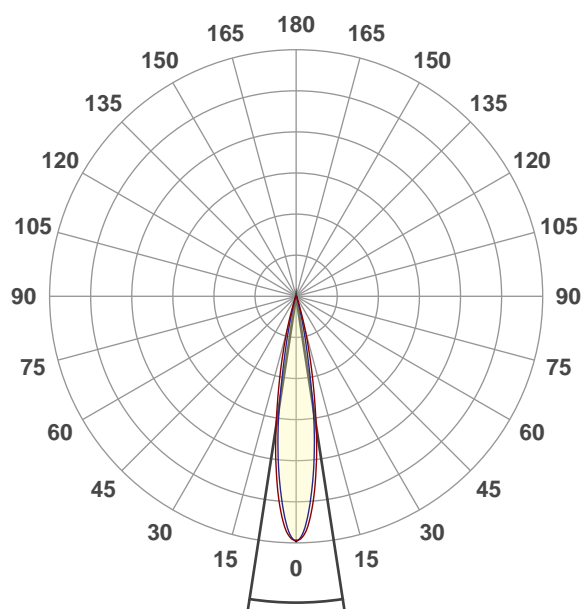
Green

Operator:

Paolo Carvone

Date and time:

11/08/2020 10:42:03

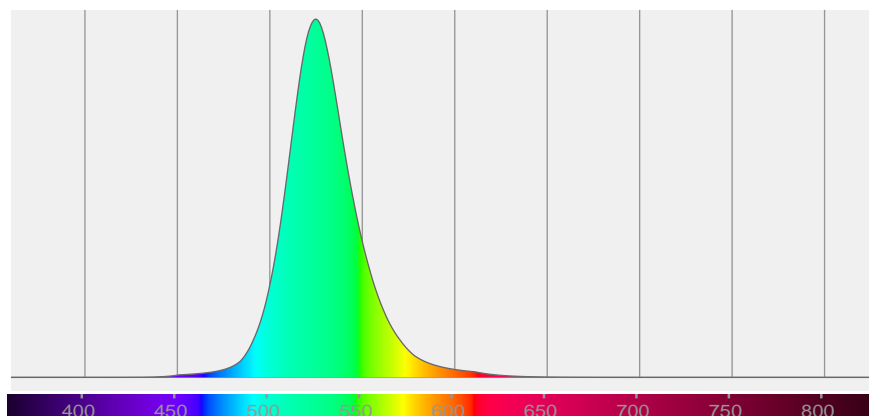


Beam angle 50%: 17,5°

Field angle 10%: 30°

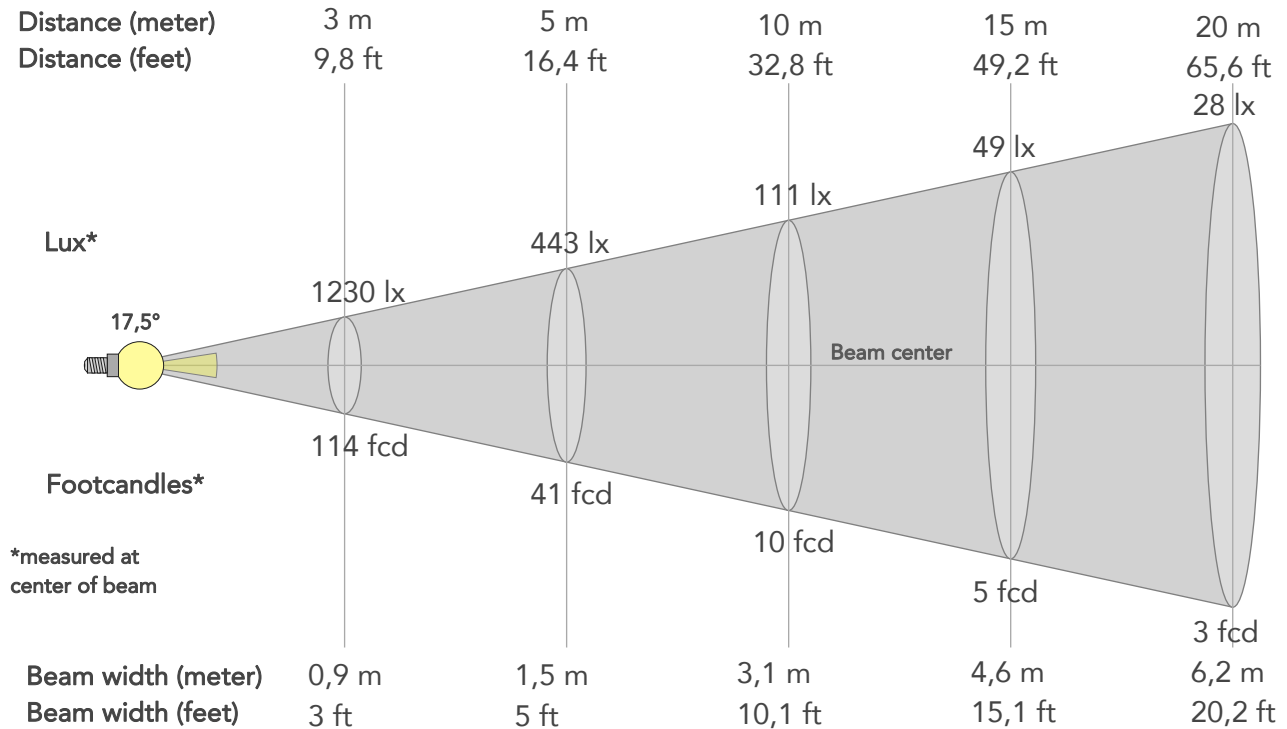
Cut off angle 2.5%: 39,1°

Spectra



BEAM DETAILS

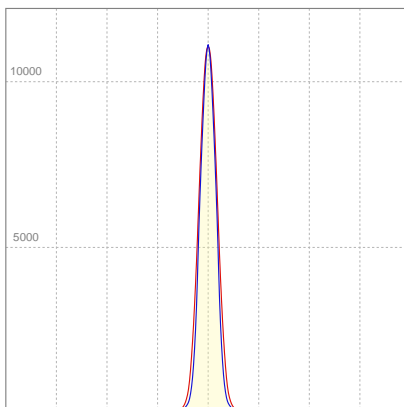
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,5°	30°	39,1°	99,9%	99,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	11074lx	2769lx	1230lx	692lx	443lx	197lx	111lx	49lx	28lx	18lx	12lx	7lx	4lx
Footcand.	1029fcd	257fcd	114fcd	64fcd	41fcd	18fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,3m	3,1m	4,6m	6,2m	7,7m	9,2m	12,3m	15,4m
Beam wid.	1ft	2ft	3ft	4ft	5ft	7,6ft	10,1ft	15,1ft	20,2ft	25,2ft	30,3ft	40,4ft	50,5ft

LINEAR DISTRIBUTION DIAGRAM

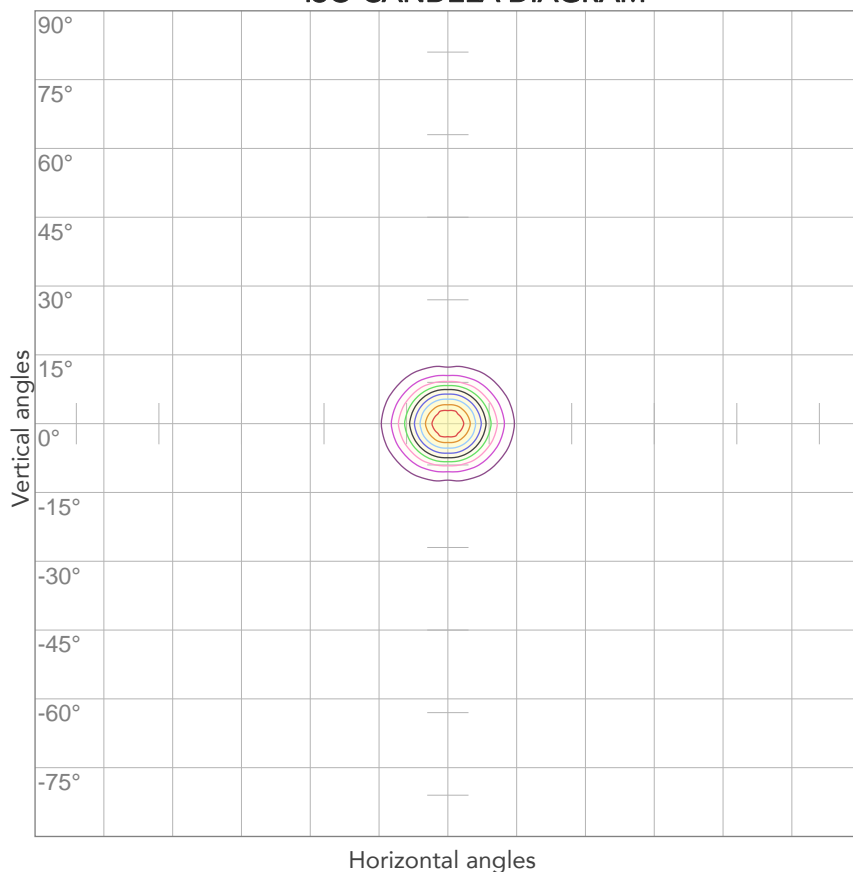


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,187A	33,4W	34lm/W
Power FC			
0,79			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



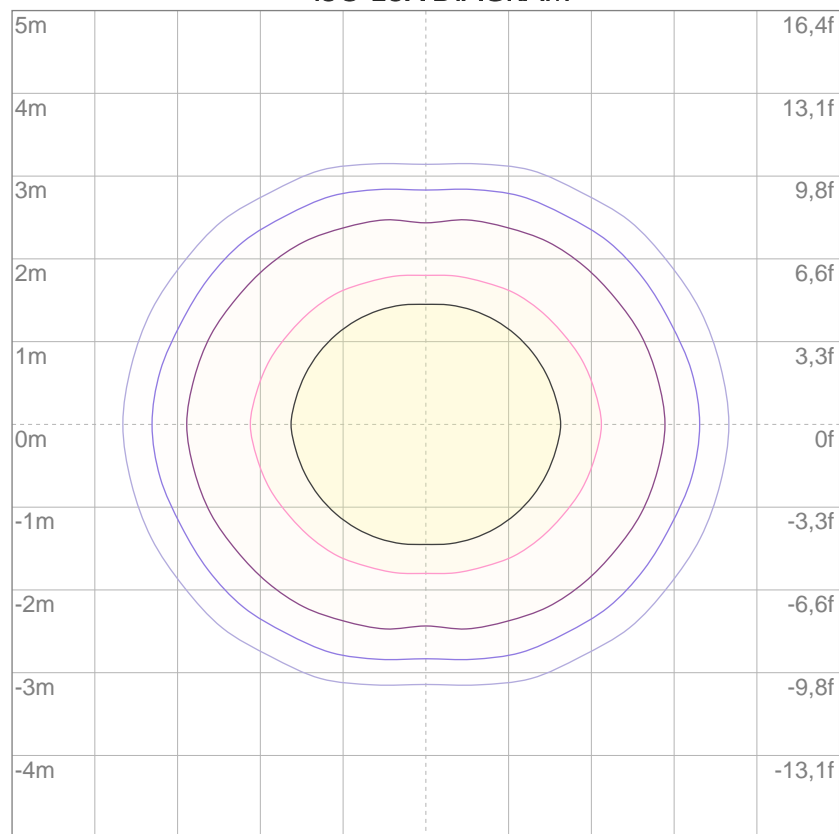
10%	1107 cd
20%	2215 cd
30%	3322 cd
40%	4430 cd
50%	5537 cd
60%	6645 cd
70%	7752 cd
80%	8859 cd

Conditions:

Number of c-planes: 4

Candela at center: 11074 cd

ISO LUX DIAGRAM



3%	3,32 lx
5%	5,54 lx
10%	11,1 lx
30%	33,2 lx
50%	55,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 111 lx

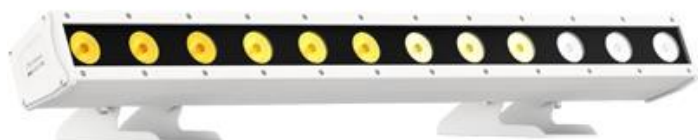
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Total lumen output:

1114 lm

Peak candela output:

5995 cd



PRODUCT NAME:

ARCSHINE12

MEASUREMENT CONDITIONS:

Beam angle:

25°

Target:

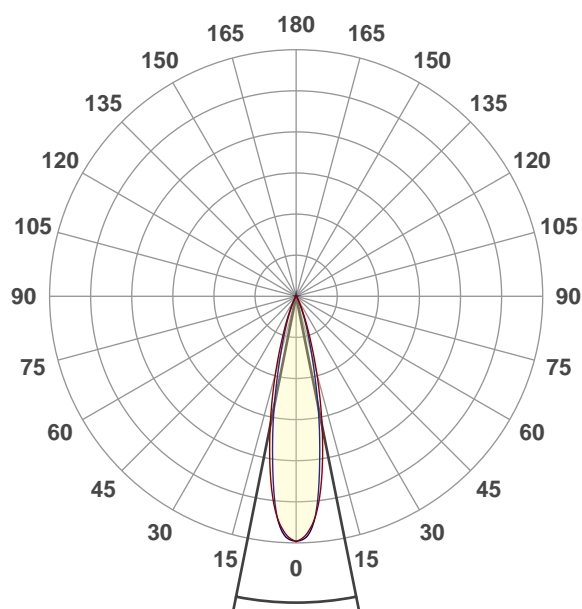
Green

Operator:

Paolo Carvone

Date and time:

11/08/2020 12:17:02

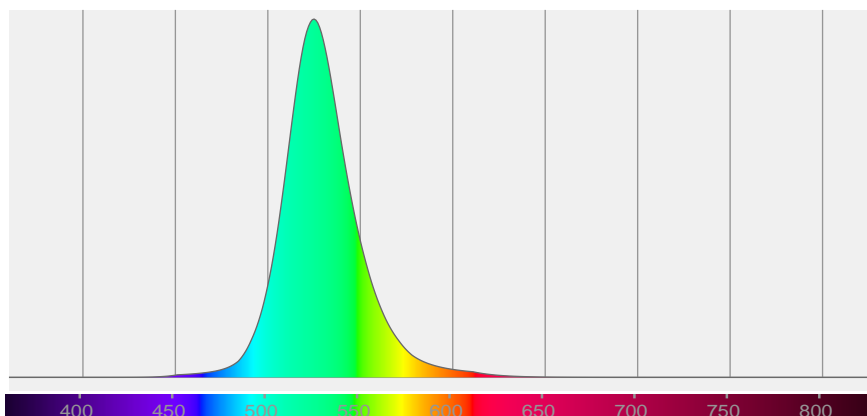


Beam angle 50%: 22,6°

Field angle 10%: 41,4°

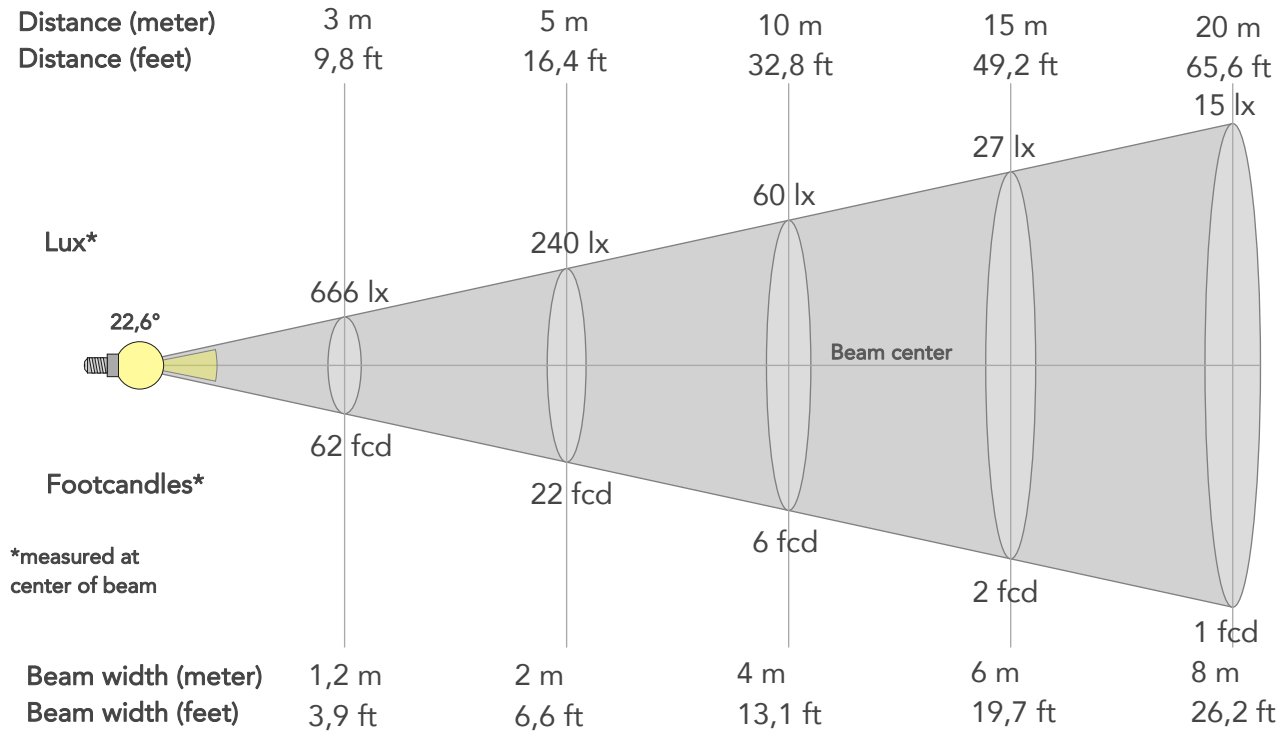
Cut off angle 2.5%: 54,2°

Spectra



BEAM DETAILS

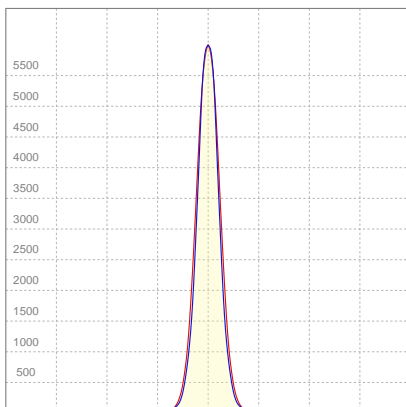
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,6°	41,4°	54,2°	99,5%	98,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5990lx	1498lx	666lx	374lx	240lx	106lx	60lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	557fcd	139fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4m	6m	8m	10m	12m	16m	20m
Beam wid.	1,3ft	2,6ft	3,9ft	5,2ft	6,6ft	9,8ft	13,1ft	19,7ft	26,2ft	32,8ft	39,4ft	52,5ft	65,6ft

LINEAR DISTRIBUTION DIAGRAM

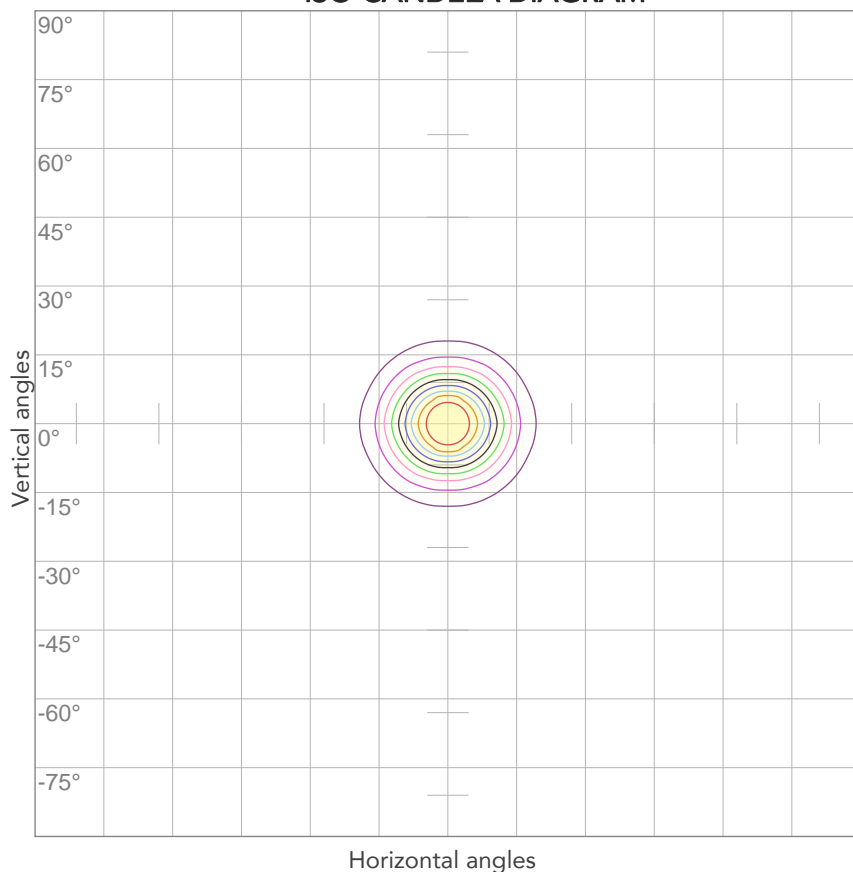


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,187A	33,4W	33lm/W
Power FC			
0,8			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



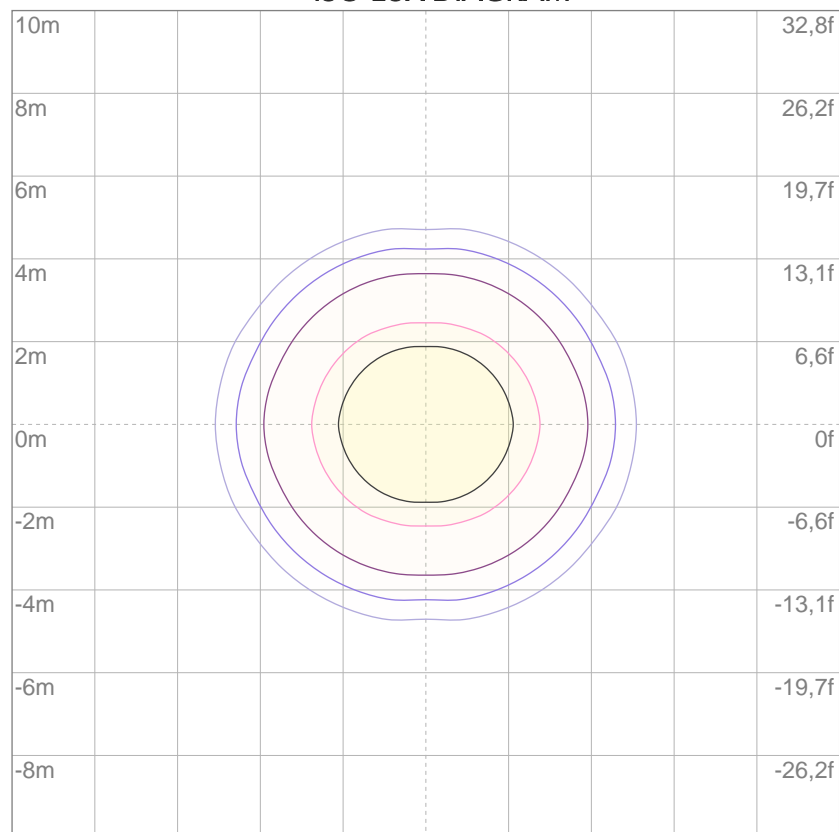
10%	599 cd
20%	1198 cd
30%	1797 cd
40%	2396 cd
50%	2995 cd
60%	3594 cd
70%	4193 cd
80%	4792 cd

Conditions:

Number of c-planes: 4

Candela at center: 5990 cd

ISO LUX DIAGRAM



3%	1,80 lx
5%	3,00 lx
10%	5,99 lx
30%	18,0 lx
50%	30,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 59,9 lx

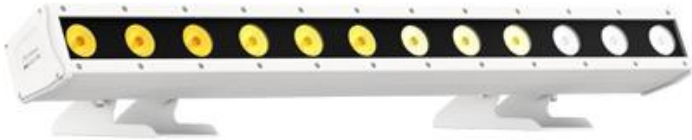
*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

Total lumen output:

1047 lm

Peak candela output:

1673 cd



PRODUCT NAME:

ARCSHINE12

MEASURAMENT CONDITIONS:

Beam angle:

45°

Target:

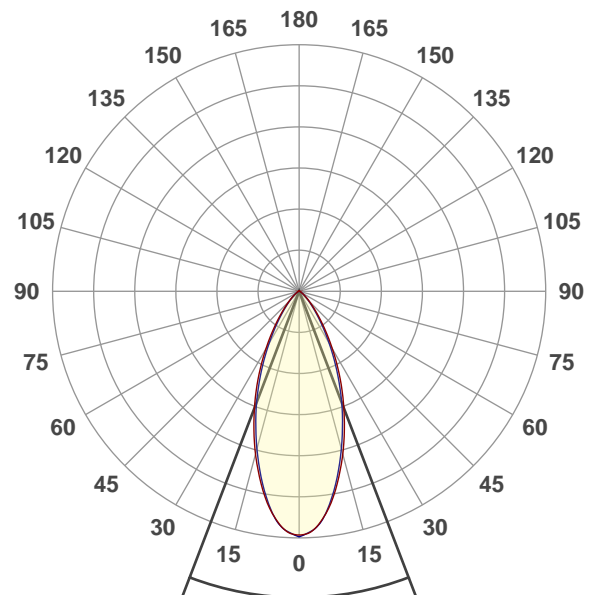
Green

Operator:

Paolo Carvone

Date and time:

11/08/2020 13:14:49

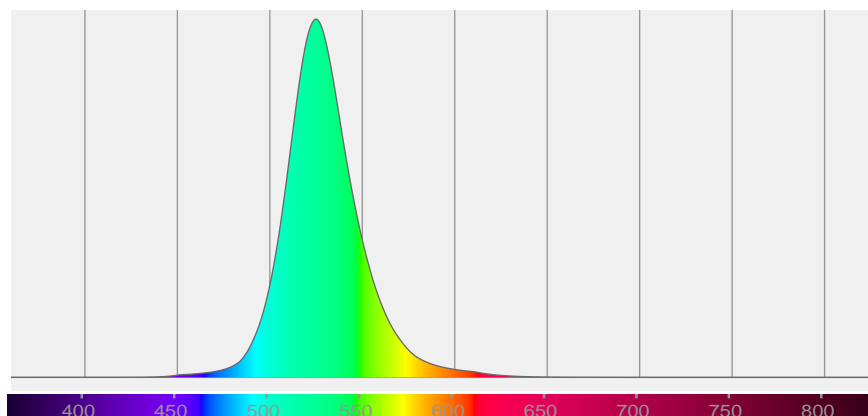


Beam angle 50%: 41,9°

Field angle 10%: 79,4°

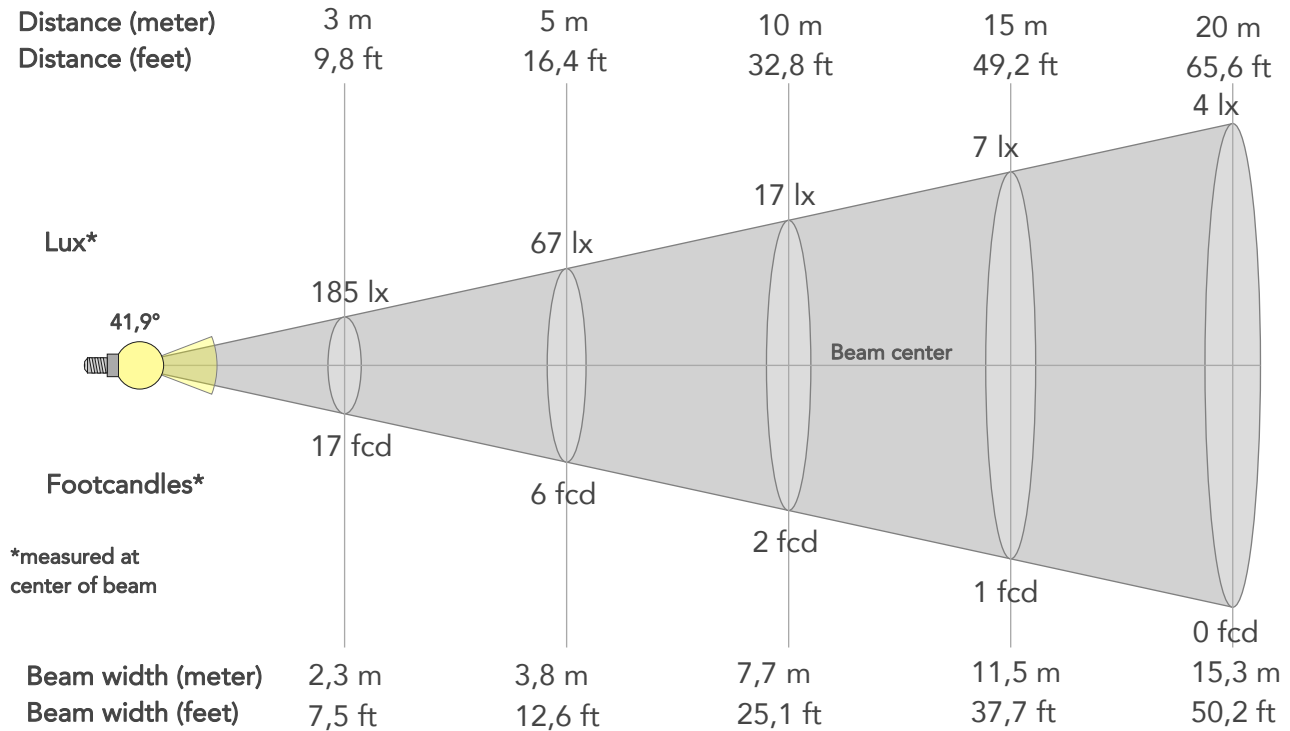
Cut off angle 2.5%: 105,4°

Spectra



BEAM DETAILS

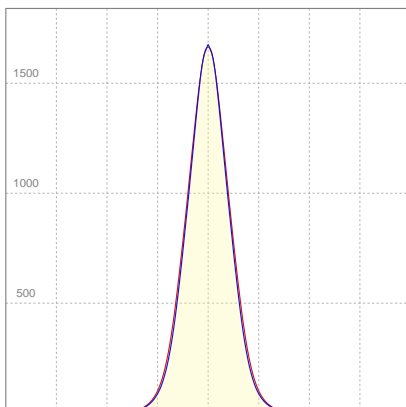
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,9°	79,4°	105,4°	98,3%	92,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1667lx	417lx	185lx	104lx	67lx	30lx	17lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	155fcd	39fcd	17fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3,1m	3,8m	5,7m	7,7m	11,5m	15,3m	19,1m	23m	30,6m	38,3m
Beam wid.	2,5ft	5,1ft	7,5ft	10ft	12,6ft	18,8ft	25,1ft	37,7ft	50,2ft	62,8ft	75,3ft	100,4ft	125,5ft

LINEAR DISTRIBUTION DIAGRAM



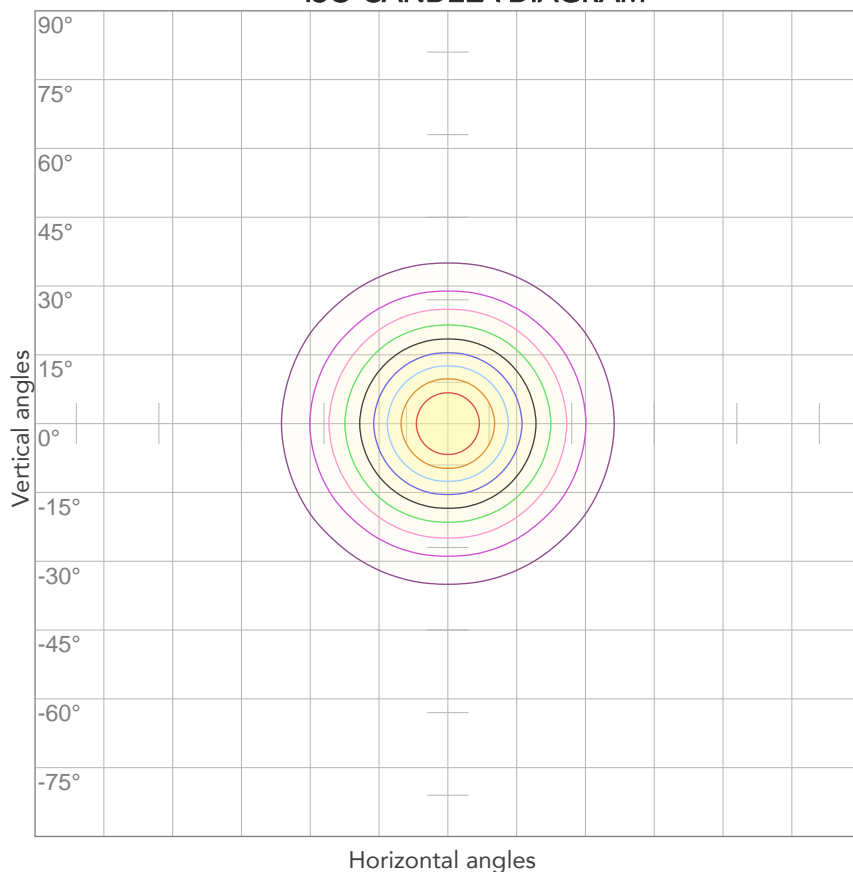
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,160A	26,4W	40lm/W

Power FC
0,74

ISO DIAGRAMS

ISO CANDELA DIAGRAM



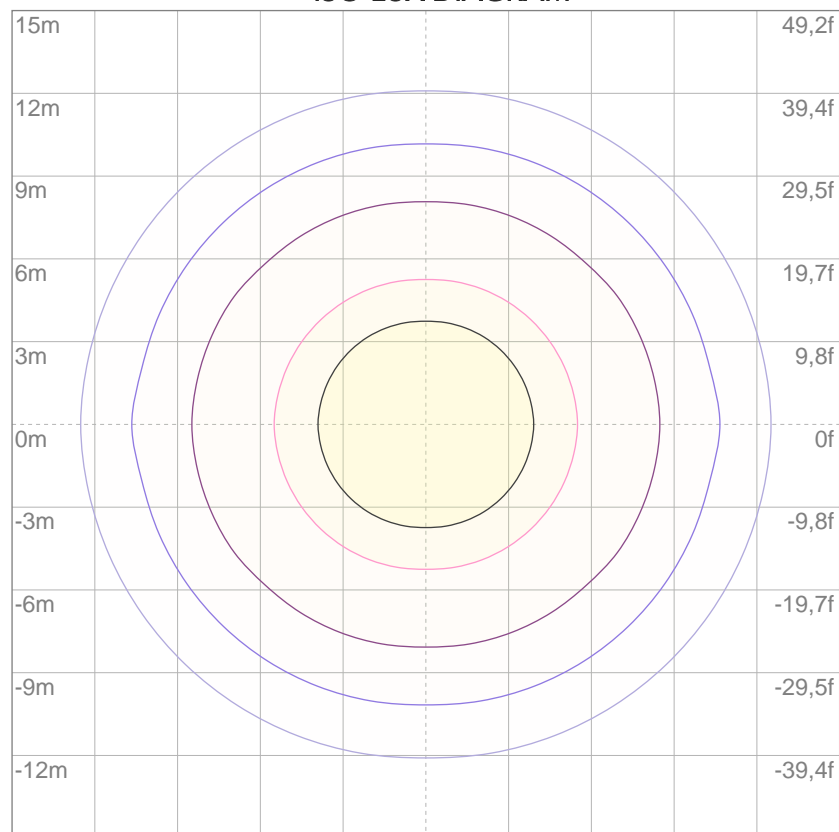
10%	167 cd
20%	333 cd
30%	500 cd
40%	667 cd
50%	834 cd
60%	1000 cd
70%	1167 cd
80%	1334 cd

Conditions:

Number of c-planes: 4

Candela at center: 1667 cd

ISO LUX DIAGRAM



3%	0,500 lx
5%	0,834 lx
10%	1,67 lx
30%	5,00 lx
50%	8,34 lx

Conditions:

Number of c-planes: 4

Lux at center: 16,7 lx

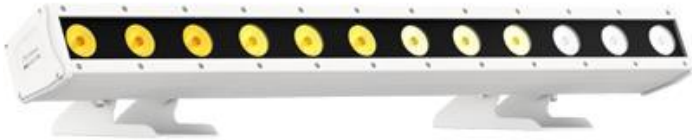
*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

Total lumen output:

240 lm

Peak candela output:

2376 cd



PRODUCT NAME:

ARCSHINE12

MEASURAMENT CONDITIONS:

Beam angle:

15°

Target:

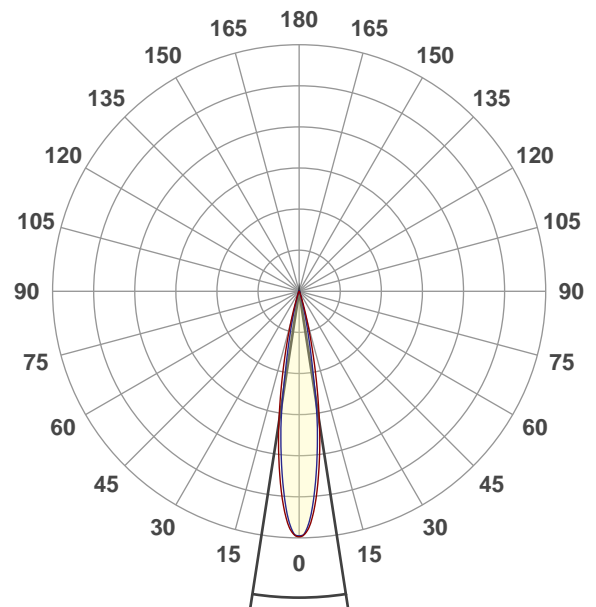
Blue

Operator:

Paolo Carvone

Date and time:

11/08/2020 10:35:27

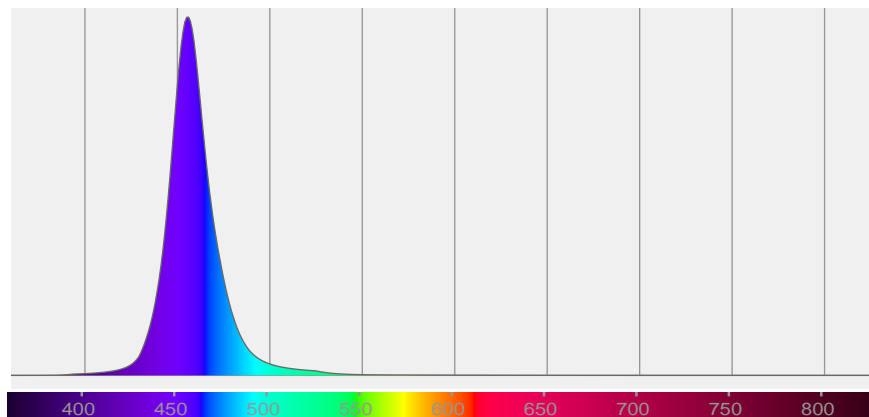


Beam angle 50%: 17,5°

Field angle 10%: 29,6°

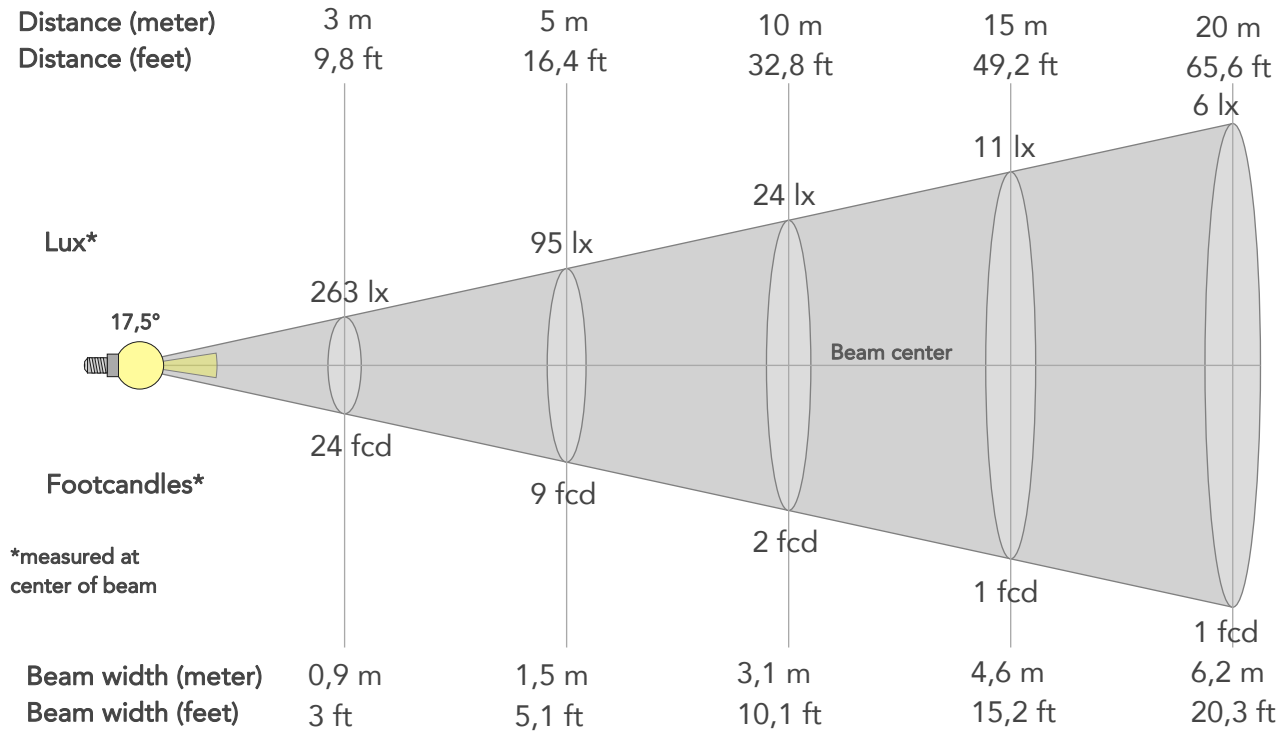
Cut off angle 2.5%: 38,2°

Spectra



BEAM DETAILS

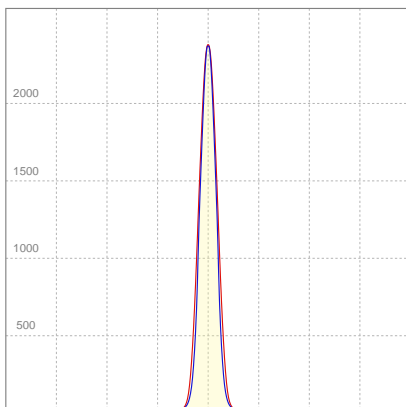
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,5°	29,6°	38,2°	99,9%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2370lx	593lx	263lx	148lx	95lx	42lx	24lx	11lx	6lx	4lx	3lx	1lx	1lx
Footcand.	220fcd	55fcd	24fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,3m	3,1m	4,6m	6,2m	7,7m	9,3m	12,3m	15,4m
Beam wid.	1ft	2ft	3ft	4ft	5,1ft	7,6ft	10,1ft	15,2ft	20,3ft	25,3ft	30,4ft	40,5ft	50,6ft

LINEAR DISTRIBUTION DIAGRAM

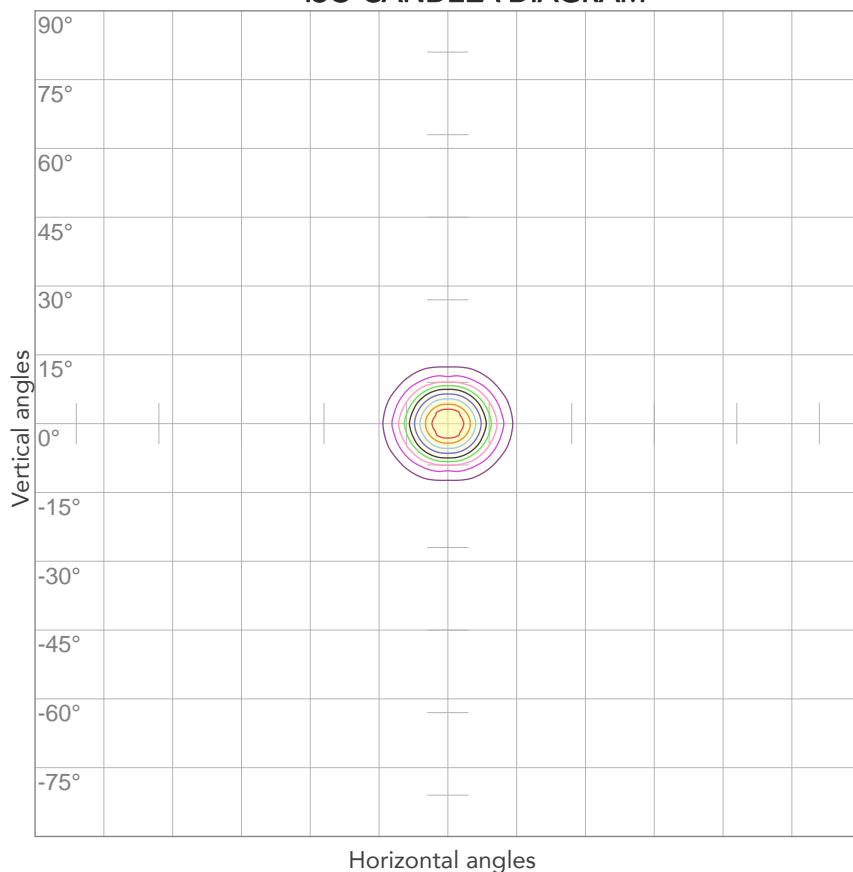


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,186A	33,2W	7lm/W
Power FC			
0,79			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



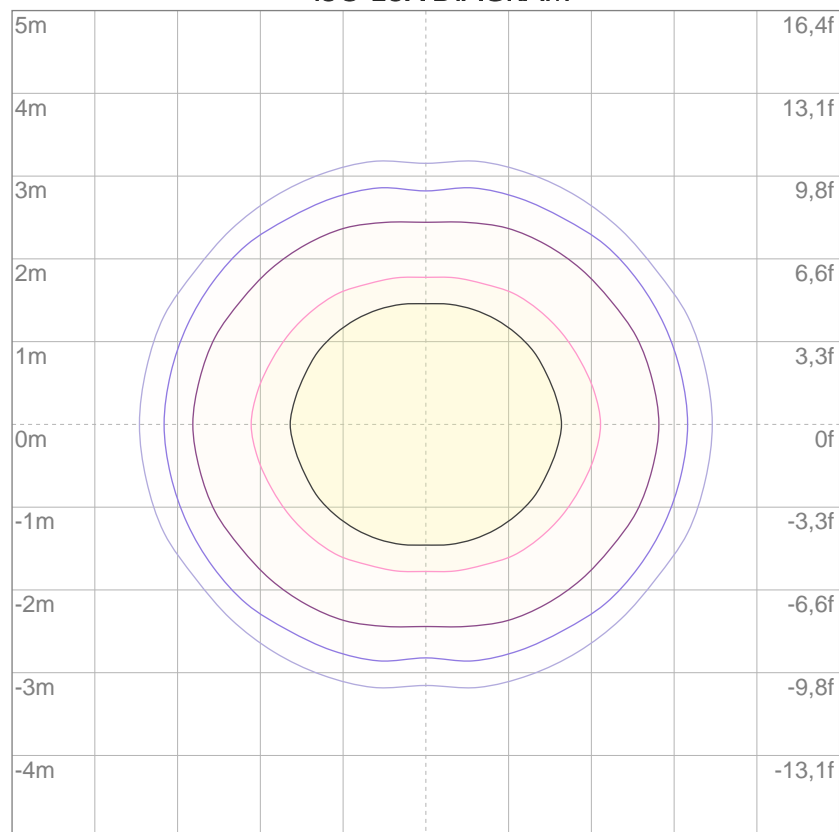
10%	237 cd
20%	474 cd
30%	711 cd
40%	948 cd
50%	1185 cd
60%	1422 cd
70%	1659 cd
80%	1896 cd

Conditions:

Number of c-planes: 4

Candela at center: 2370 cd

ISO LUX DIAGRAM



3%	0,711 lx
5%	1,19 lx
10%	2,37 lx
30%	7,11 lx
50%	11,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 23,7 lx

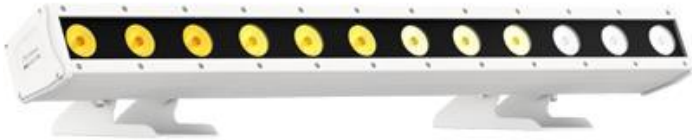
*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

Total lumen output:

1113 lm

Peak candela output:

5981 cd



PRODUCT NAME:

ARCSHINE12

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

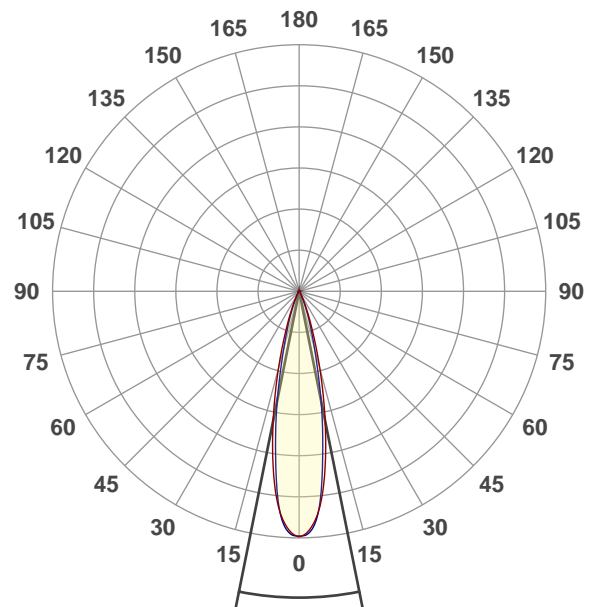
Blue

Operator:

Paolo Carvone

Date and time:

11/08/2020 12:20:13

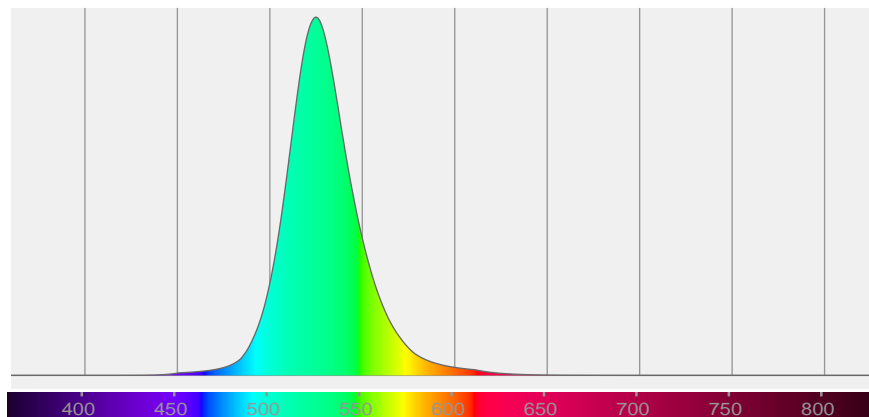


Beam angle 50%: 22,7°

Field angle 10%: 41,5°

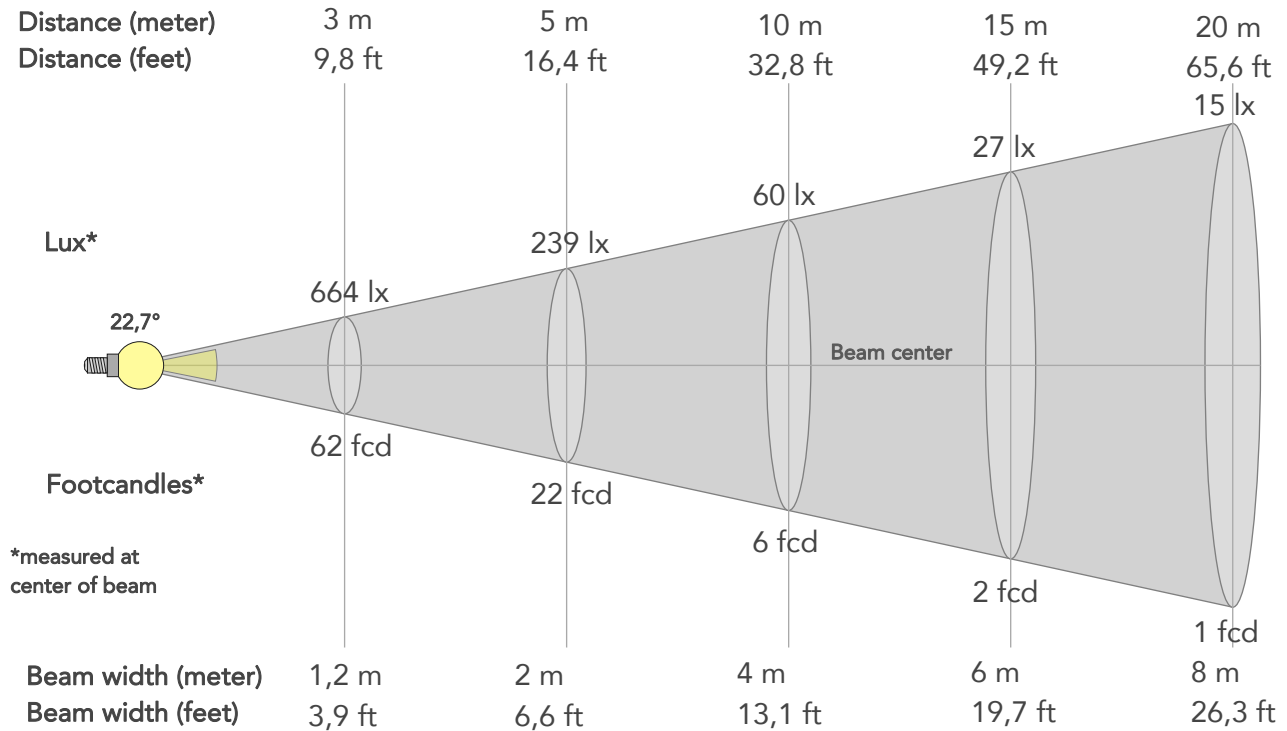
Cut off angle 2.5%: 54,2°

Spectra



BEAM DETAILS

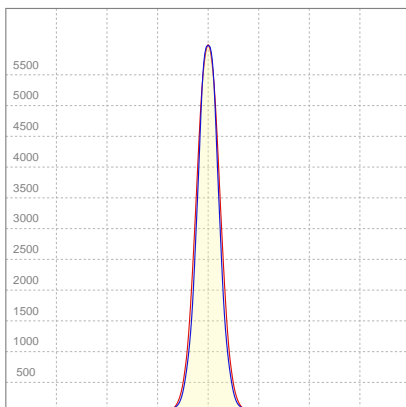
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,7°	41,5°	54,2°	99,5%	98,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5973lx	1493lx	664lx	373lx	239lx	106lx	60lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	555fcd	139fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4m	6m	8m	10m	12m	16m	20m
Beam wid.	1,3ft	2,6ft	3,9ft	5,3ft	6,6ft	9,9ft	13,1ft	19,7ft	26,3ft	32,9ft	39,4ft	52,6ft	65,7ft

LINEAR DISTRIBUTION DIAGRAM

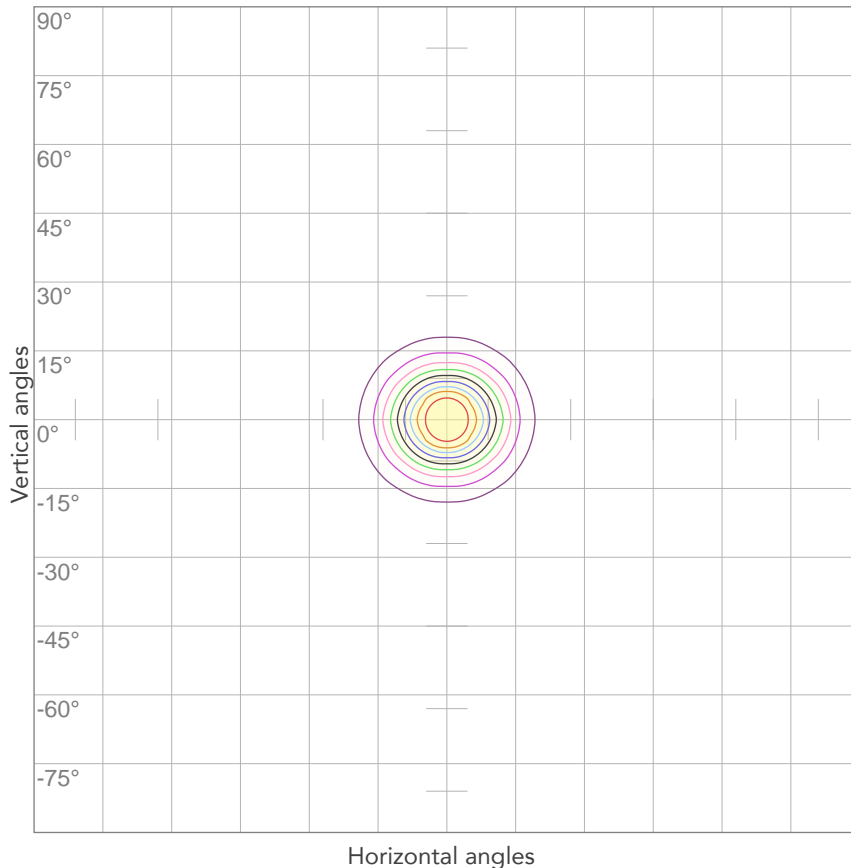


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,187A	33,4W	33lm/W
Power FC			
0,8			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



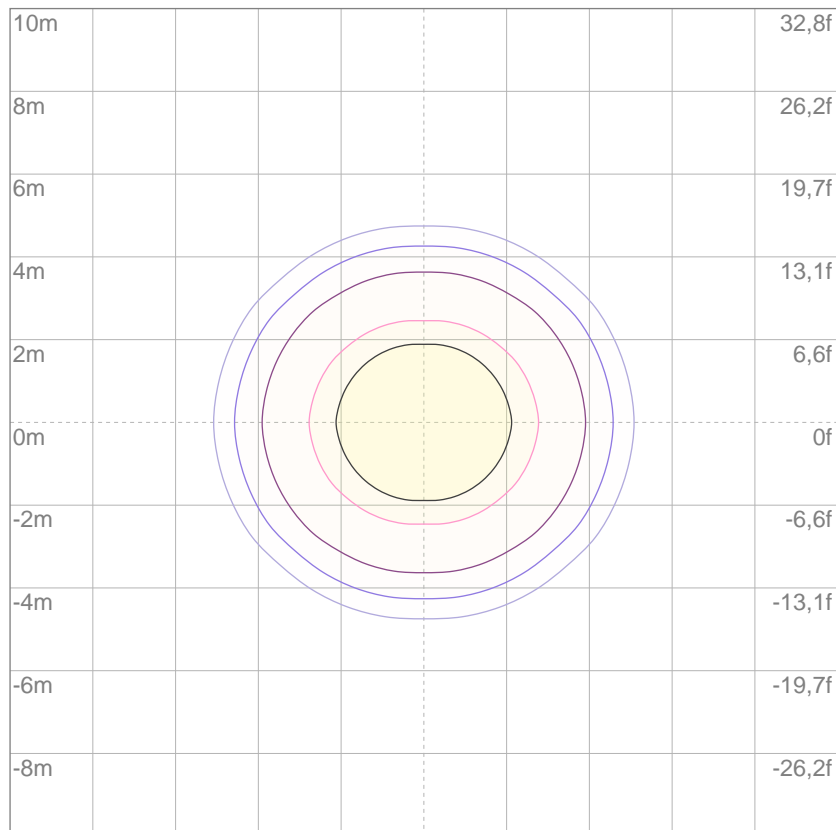
10%	597 cd
20%	1195 cd
30%	1792 cd
40%	2389 cd
50%	2987 cd
60%	3584 cd
70%	4181 cd
80%	4778 cd

Conditions:

Number of c-planes: 4

Candela at center: 5973 cd

ISO LUX DIAGRAM



3%	1,79 lx
5%	2,99 lx
10%	5,97 lx
30%	17,9 lx
50%	29,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 59,7 lx

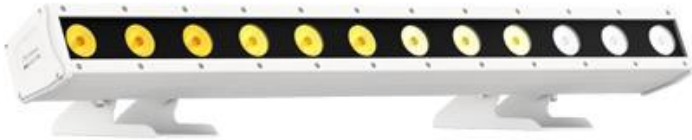
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Total lumen output:

220 lm

Peak candela output:

364 cd



PRODUCT NAME:

ARCSHINE12

MEASURAMENT CONDITIONS:

Beam angle:

45°

Target:

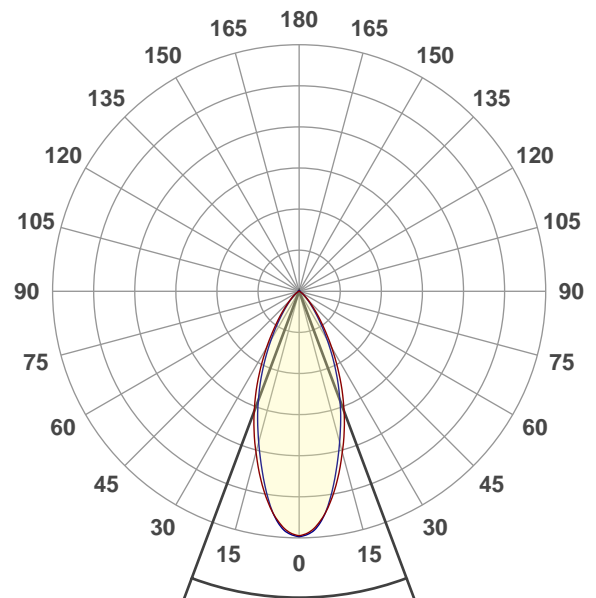
Blue

Operator:

Paolo Carvone

Date and time:

11/08/2020 13:17:46

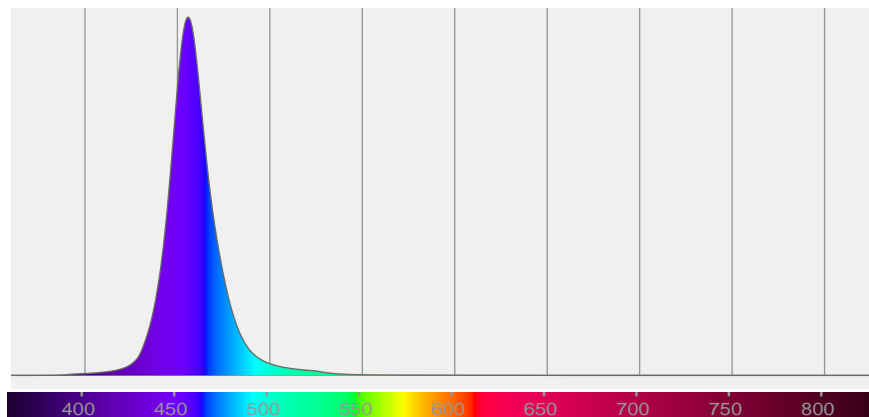


Beam angle 50%: 41°

Field angle 10%: 78°

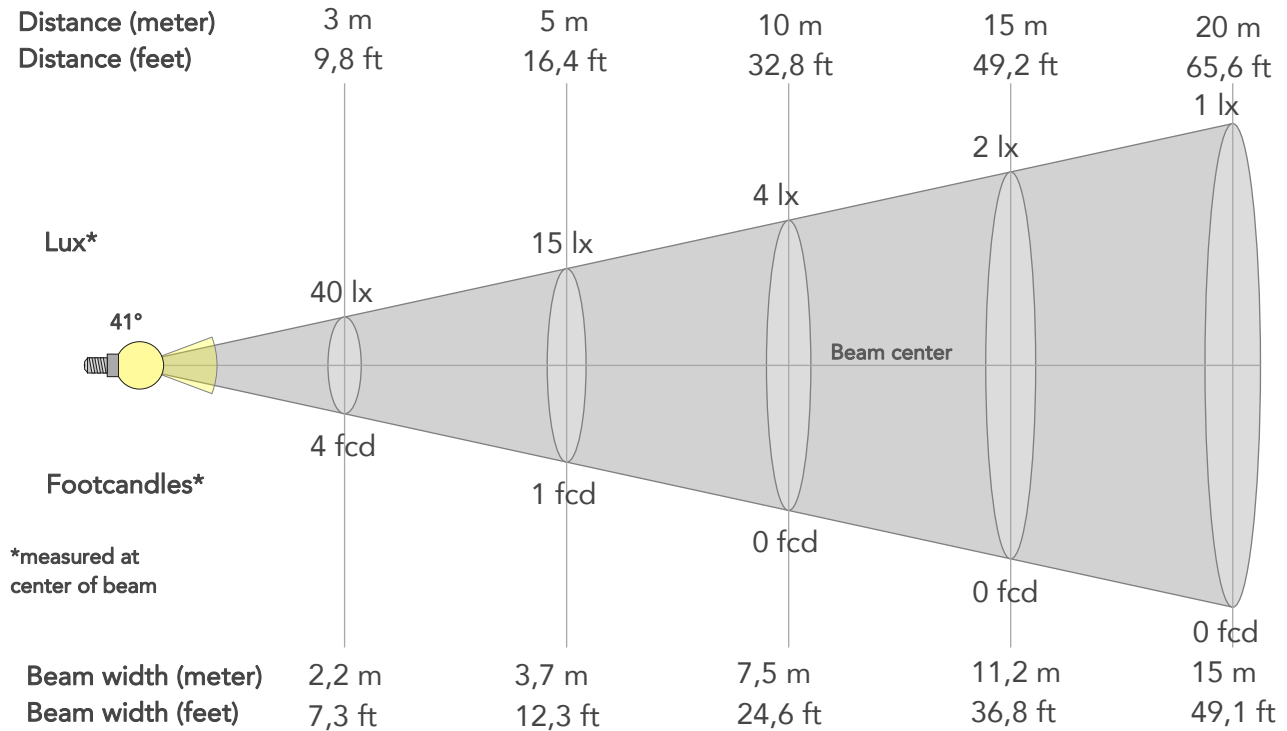
Cut off angle 2.5%: 103,4°

Spectra



BEAM DETAILS

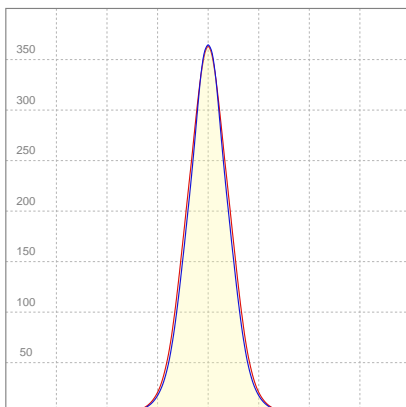
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41°	78°	103,4°	98,5%	93,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	363lx	91lx	40lx	23lx	15lx	6lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	34fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	3m	3,7m	5,6m	7,5m	11,2m	15m	18,7m	22,5m	29,9m	37,4m
Beam wid.	2,5ft	4,9ft	7,3ft	9,8ft	12,3ft	18,4ft	24,6ft	36,8ft	49,1ft	61,4ft	73,7ft	98,2ft	122,8ft

LINEAR DISTRIBUTION DIAGRAM



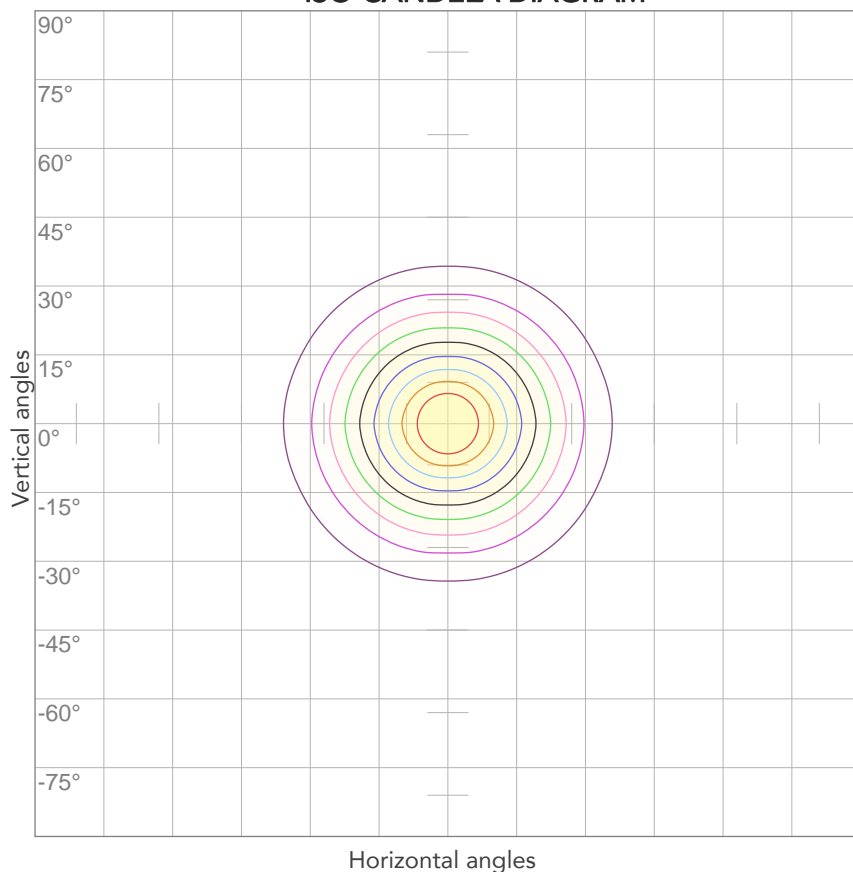
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,187A	33,1W	7lm/W

Power FC
0,79

ISO DIAGRAMS

ISO CANDELA DIAGRAM



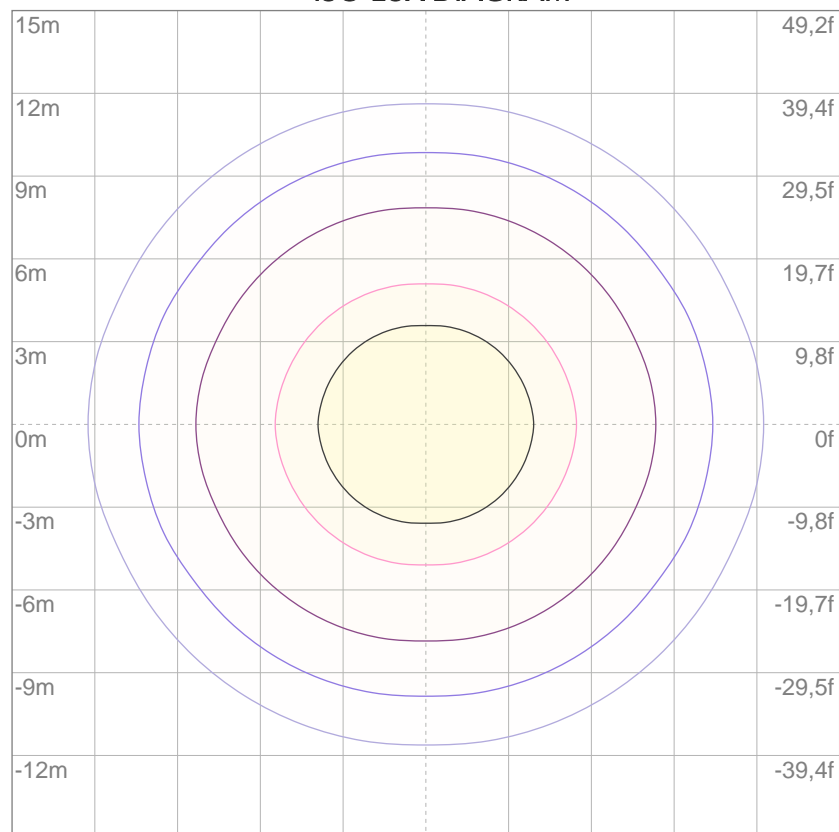
10%	36 cd
20%	73 cd
30%	109 cd
40%	145 cd
50%	182 cd
60%	218 cd
70%	254 cd
80%	291 cd

Conditions:

Number of c-planes: 4

Candela at center: 363 cd

ISO LUX DIAGRAM



3%	0,109 lx
5%	0,182 lx
10%	0,363 lx
30%	1,09 lx
50%	1,82 lx

Conditions:

Number of c-planes: 4

Lux at center: 3,63 lx

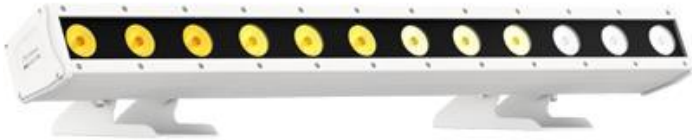
*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

Total lumen output:

1306 lm

Peak candela output:

12798 cd



PRODUCT NAME:

ARCSHINE12

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

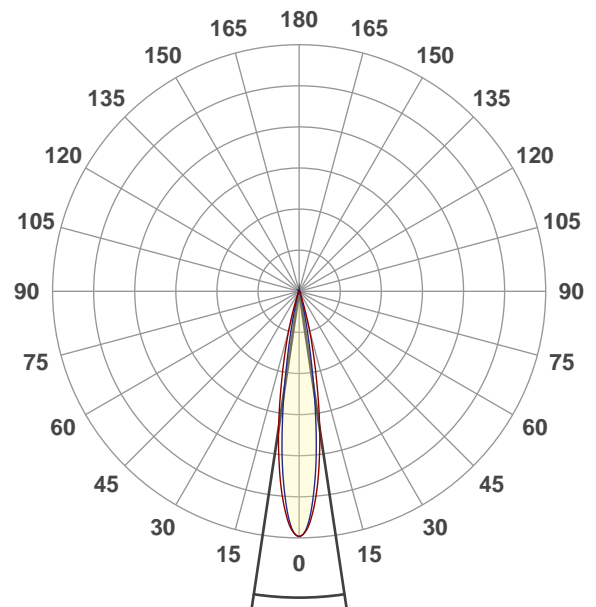
White

Operator:

Paolo Carvone

Date and time:

11/08/2020 10:38:25

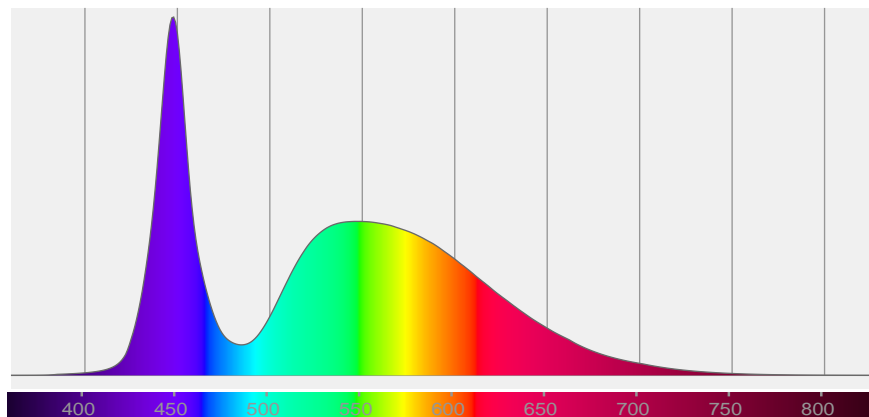


Beam angle 50%: 17°

Field angle 10%: 29,7°

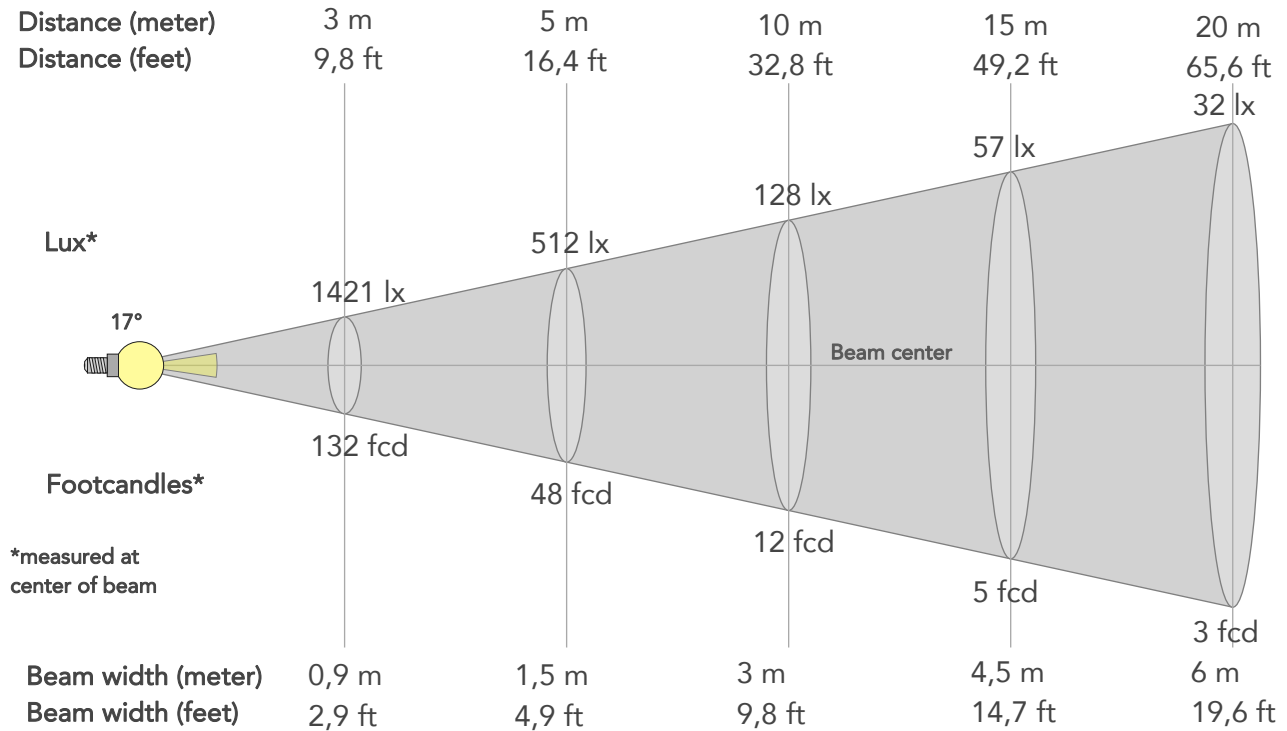
Cut off angle 2.5%: 39,5°

Spectra



BEAM DETAILS

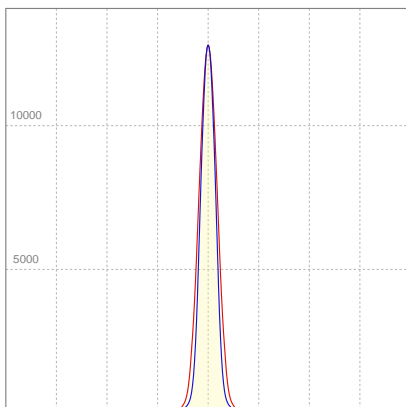
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17°	29,7°	39,5°	100,0%	99,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	12791lx	3198lx	1421lx	799lx	512lx	227lx	128lx	57lx	32lx	20lx	14lx	8lx	5lx
Footcand.	1188fcd	297fcd	132fcd	74fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,5m	6m	7,5m	9m	12m	15m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,4ft	9,8ft	14,7ft	19,6ft	24,5ft	29,5ft	39,3ft	49,1ft

LINEAR DISTRIBUTION DIAGRAM

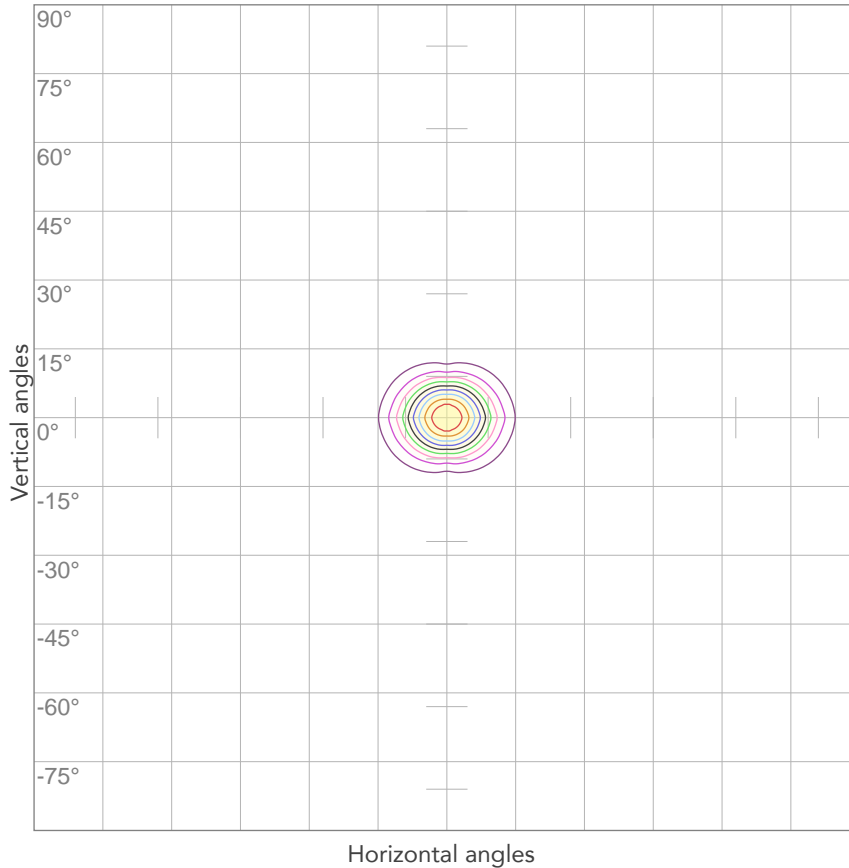


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,179A	31,5W	41lm/W
Power FC			
0,78			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



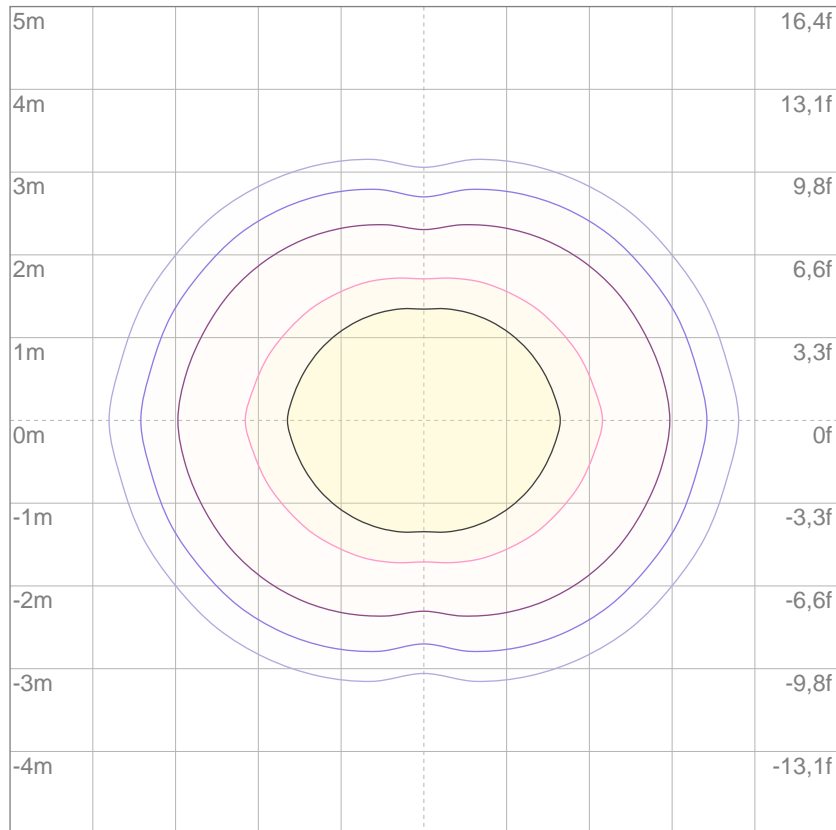
10%	1279 cd
20%	2558 cd
30%	3837 cd
40%	5116 cd
50%	6395 cd
60%	7674 cd
70%	8954 cd
80%	10233 cd

Conditions:

Number of c-planes: 4

Candela at center: 12791 cd

ISO LUX DIAGRAM



3%	3,84 lx
5%	6,40 lx
10%	12,8 lx
30%	38,4 lx
50%	64,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 128 lx

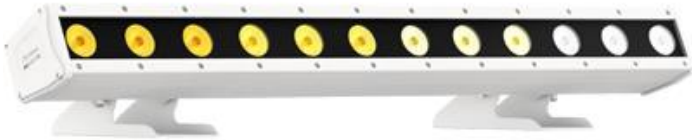
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Total lumen output:

1226 lm

Peak candela output:

6150 cd



PRODUCT NAME:

ARCSHINE12

MEASUREMENT CONDITIONS:

Beam angle:

25°

Target:

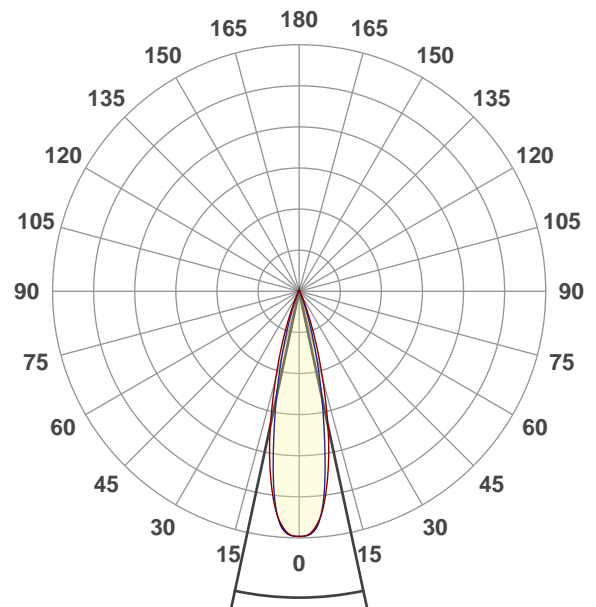
White

Operator:

Paolo Carvone

Date and time:

11/08/2020 12:26:40

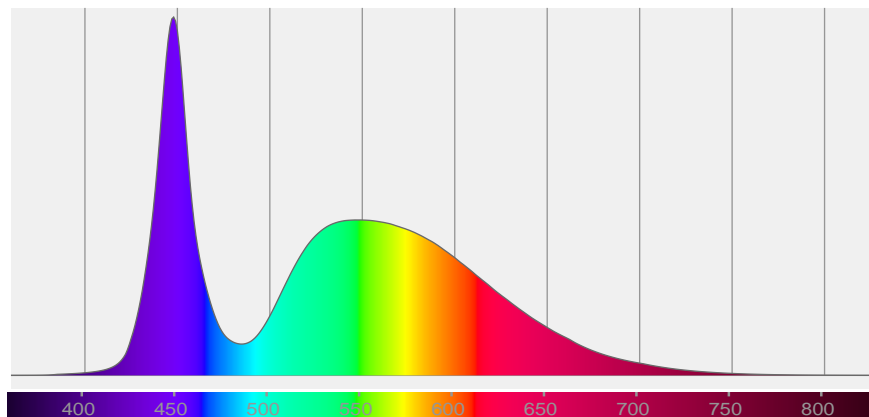


Beam angle 50%: 24,2°

Field angle 10%: 41°

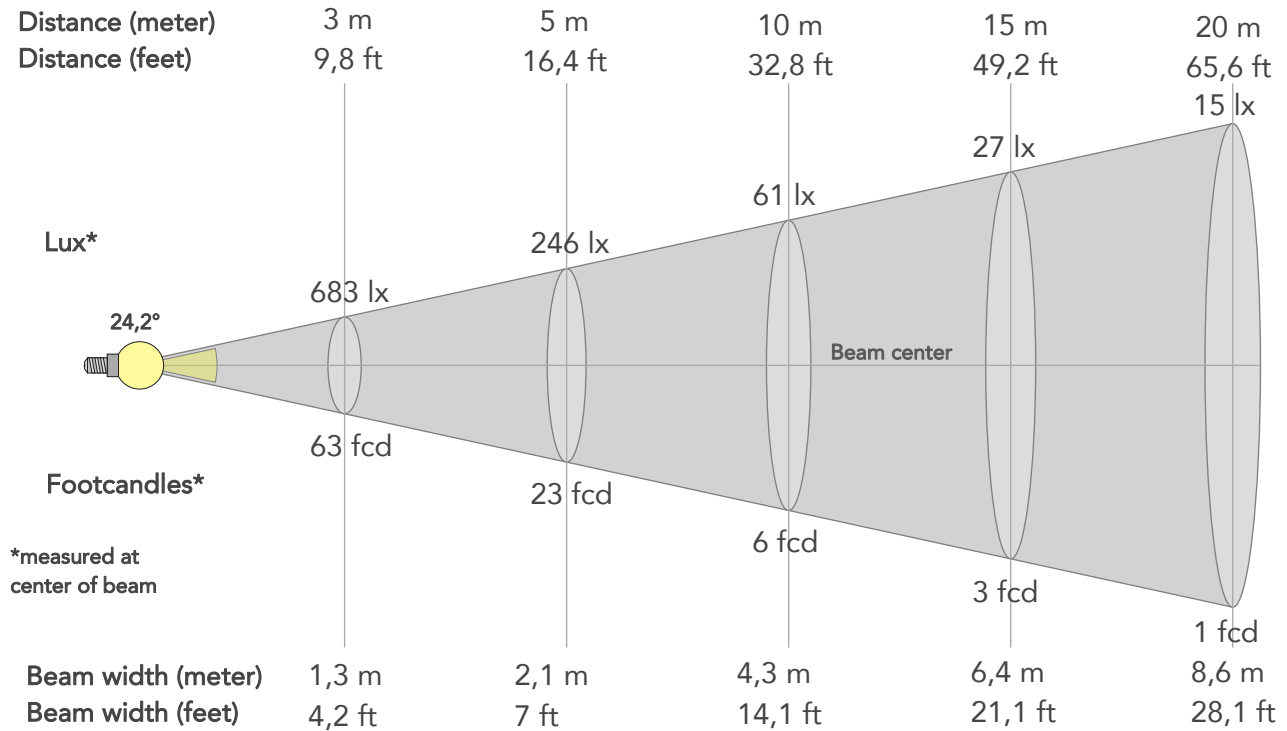
Cut off angle 2.5%: 53,6°

Spectra



BEAM DETAILS

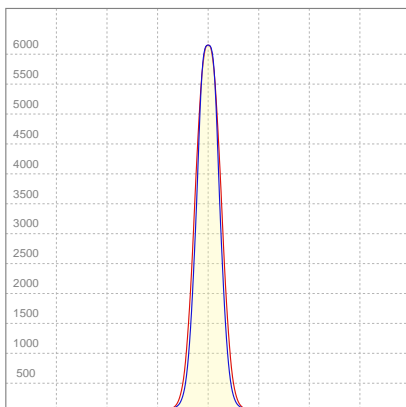
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,2°	41°	53,6°	99,5%	98,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6149lx	1537lx	683lx	384lx	246lx	109lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	571fcd	143fcd	63fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,9m	1,3m	1,7m	2,1m	3,2m	4,3m	6,4m	8,6m	10,7m	12,9m	17,2m	21,4m
Beam wid.	1,4ft	2,8ft	4,2ft	5,6ft	7ft	10,6ft	14,1ft	21,1ft	28,1ft	35,2ft	42,2ft	56,3ft	70,3ft

LINEAR DISTRIBUTION DIAGRAM



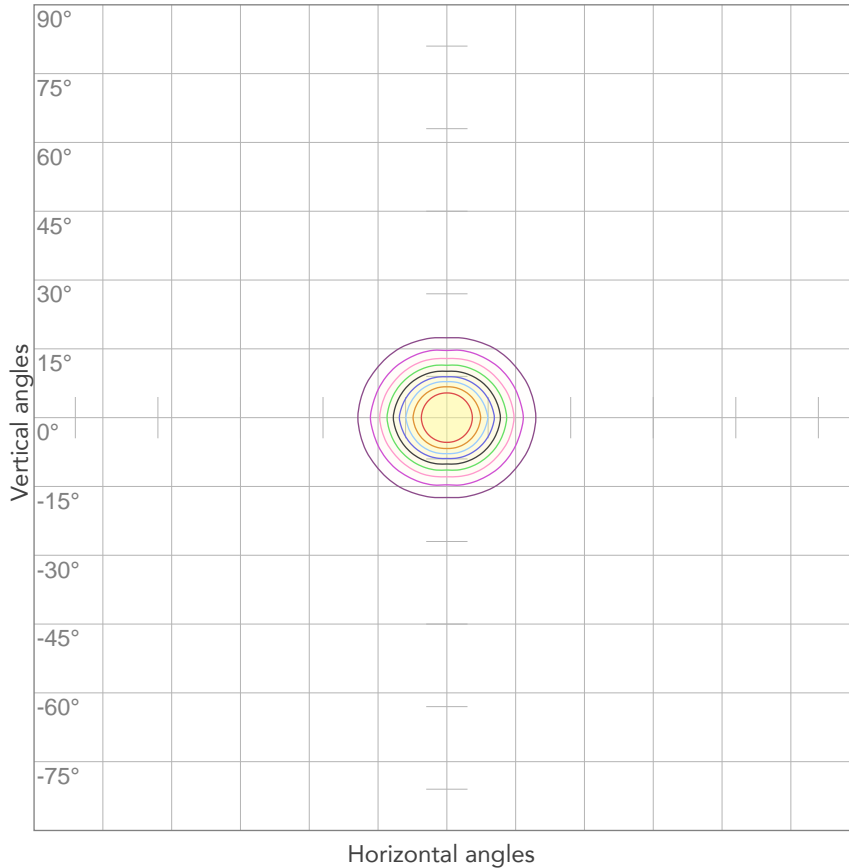
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,179A	31,4W	39lm/W

Power FC
0,78

ISO DIAGRAMS

ISO CANDELA DIAGRAM



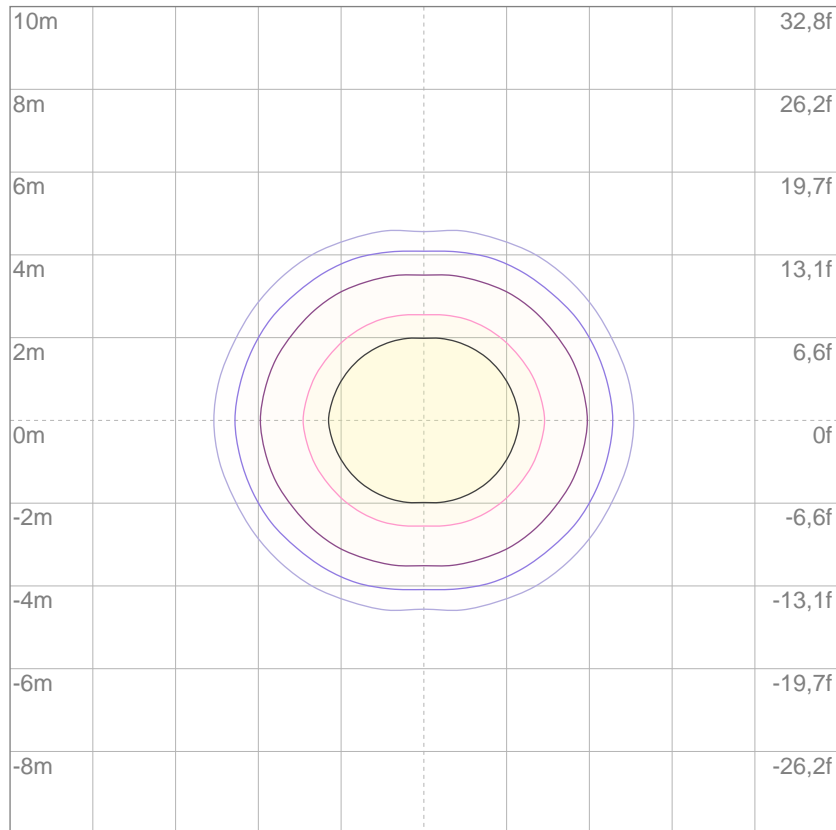
10%	615 cd
20%	1230 cd
30%	1845 cd
40%	2460 cd
50%	3075 cd
60%	3690 cd
70%	4304 cd
80%	4919 cd

Conditions:

Number of c-planes: 4

Candela at center: 6149 cd

ISO LUX DIAGRAM



3%	1,84 lx
5%	3,07 lx
10%	6,15 lx
30%	18,4 lx
50%	30,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 61,5 lx

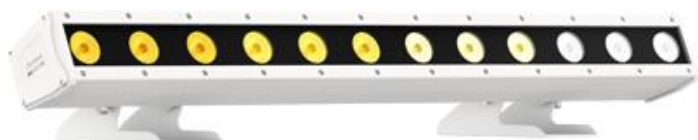
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Total lumen output:

1182 lm

Peak candela output:

1957 cd



PRODUCT NAME:

ARCSHINE12

MEASUREMENT CONDITIONS:

Beam angle:

45°

Target:

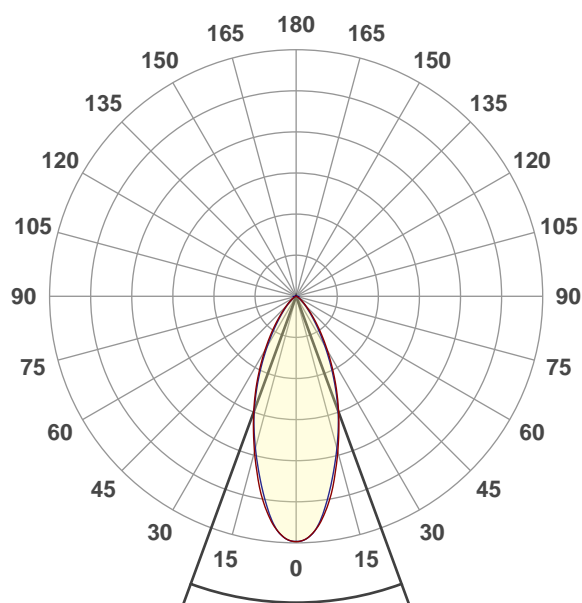
White

Operator:

Paolo Carvone

Date and time:

11/08/2020 13:25:17

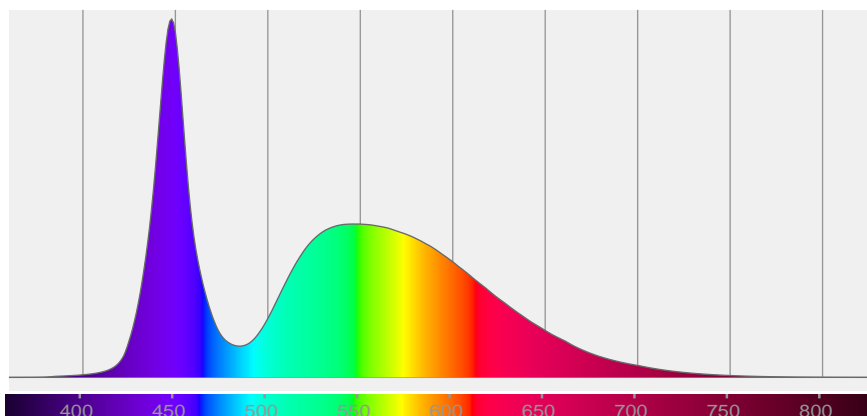


Beam angle 50%: 40,3°

Field angle 10%: 78,5°

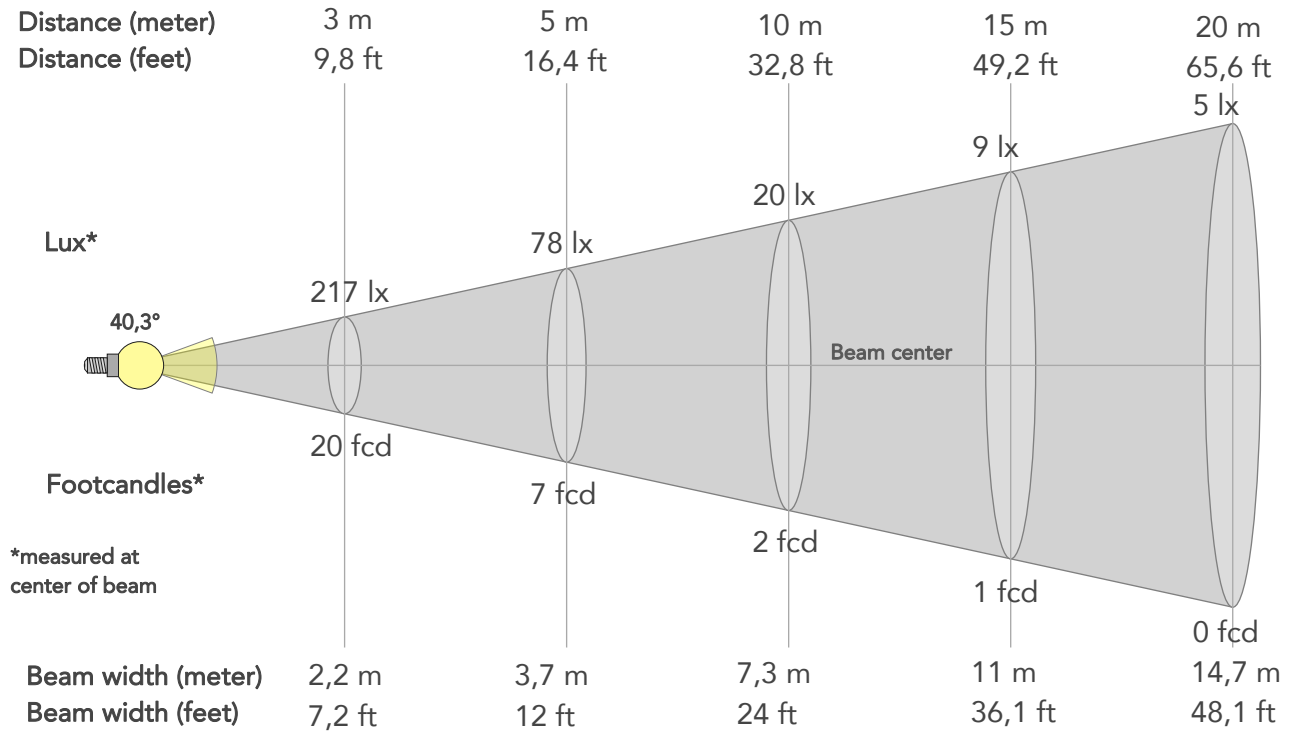
Cut off angle 2.5%: 105,4°

Spectra



BEAM DETAILS

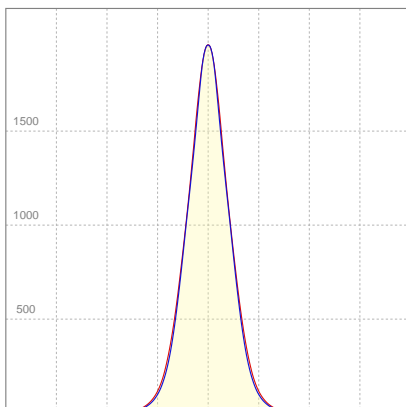
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,3°	78,5°	105,4°	98,2%	92,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1955lx	489lx	217lx	122lx	78lx	35lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	182fcd	45fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,3m	11m	14,7m	18,3m	22m	29,3m	36,7m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18ft	24ft	36,1ft	48,1ft	60,1ft	72,1ft	96,2ft	120,2ft

LINEAR DISTRIBUTION DIAGRAM

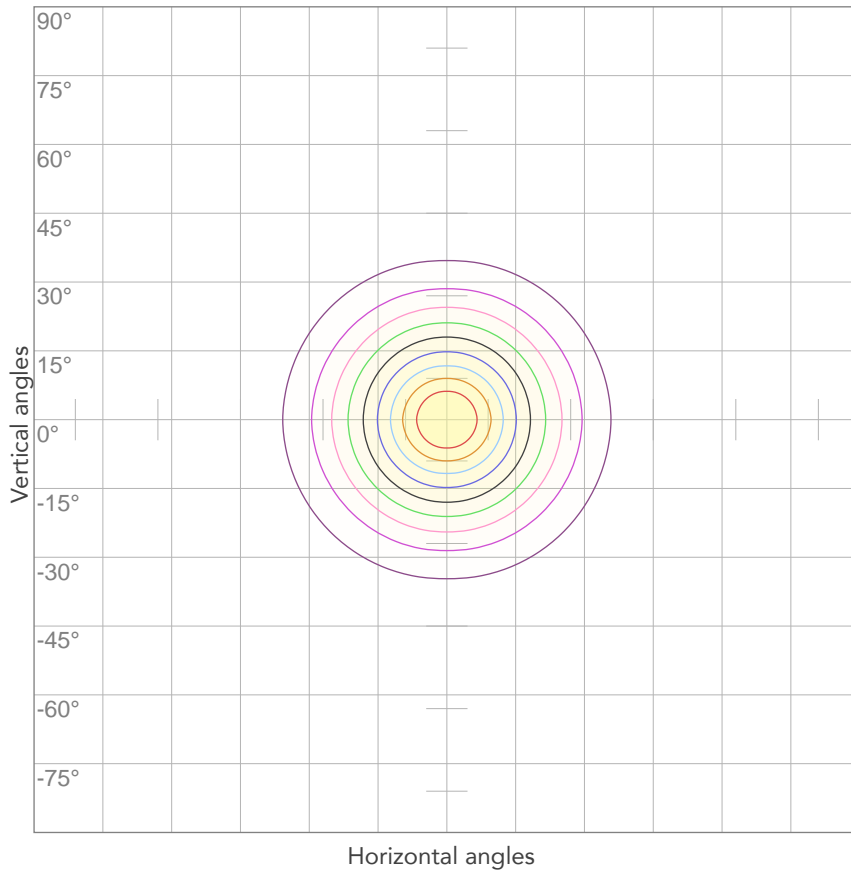


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,179A	31,4W	38lm/W
Power FC			
0,78			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



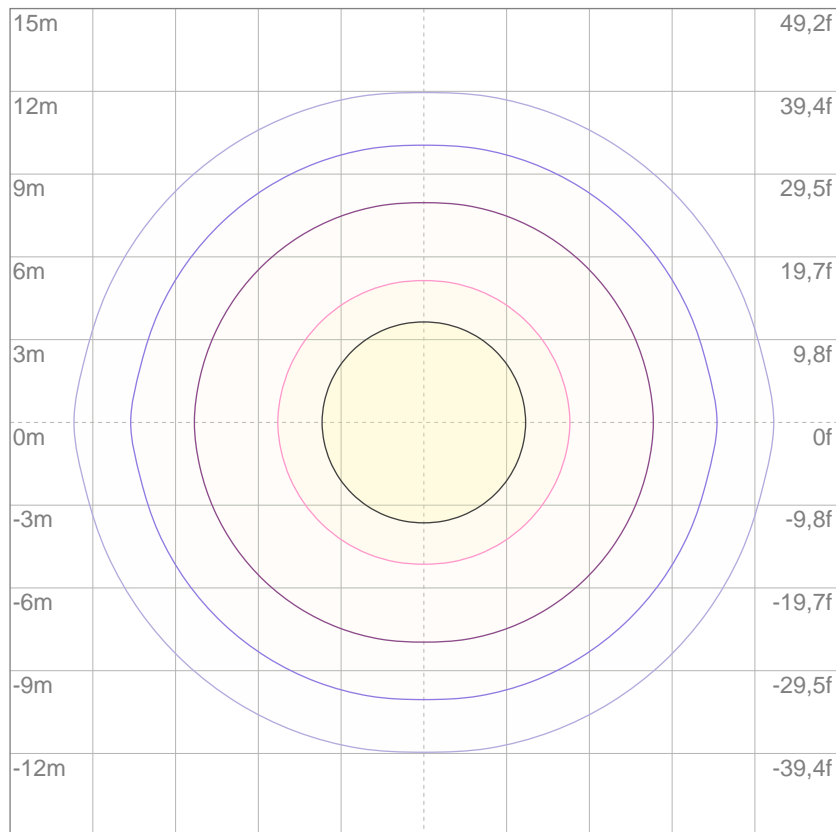
10%	196 cd
20%	391 cd
30%	587 cd
40%	782 cd
50%	978 cd
60%	1173 cd
70%	1369 cd
80%	1564 cd

Conditions:

Number of c-planes: 4

Candela at center: 1955 cd

ISO LUX DIAGRAM



3%	0,587 lx
5%	0,978 lx
10%	1,96 lx
30%	5,87 lx
50%	9,78 lx

Conditions:

Number of c-planes: 4

Lux at center: 19,6 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.