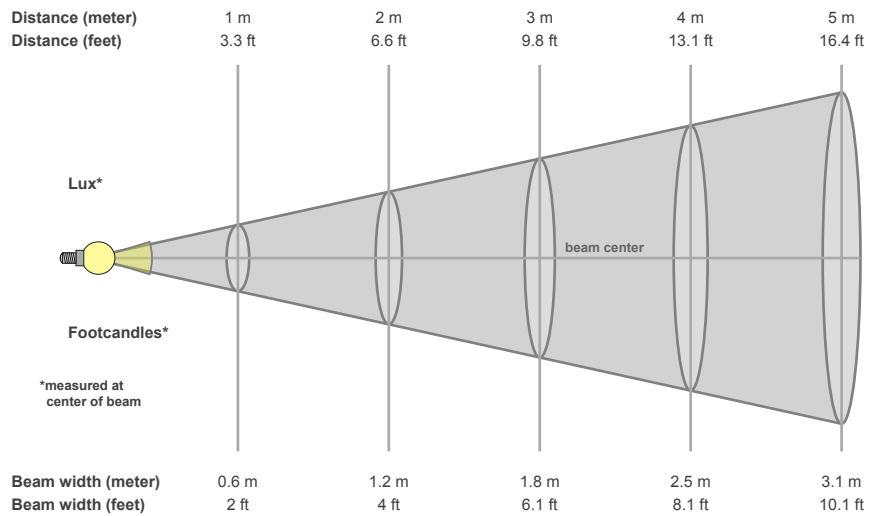
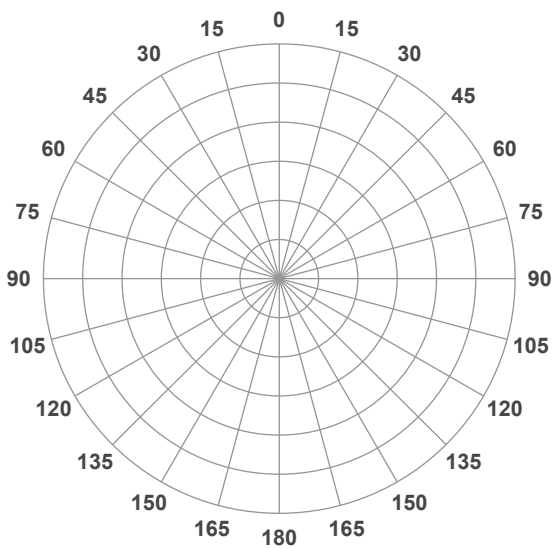
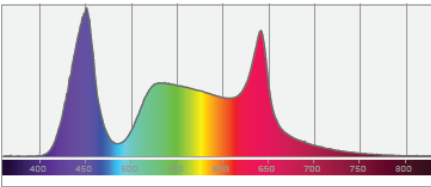
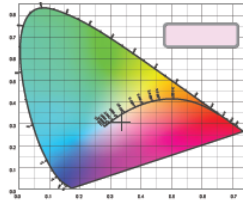




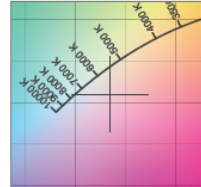
Spectral distribution



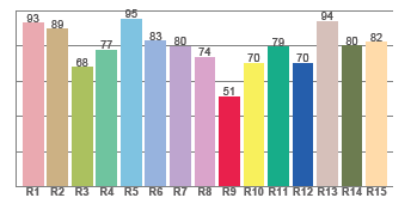
Color coordinates



Zoom color point



CRI R values



Photometric Test Report

*Due to additional product enhancements, an updated version of this report may be available online. Please check www.adj.com for the latest revision/update of this report.

MOD QW100



Light Efficiency:

20 Lumen/Watt

Dominant Wavelength:

474 nm

Output:

1741 lm

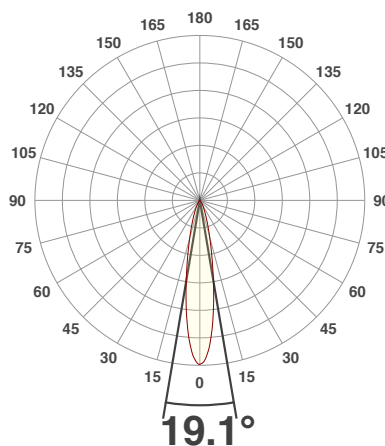
Power:

86.4 W

Peak:

9341 cd

Beam Angle



Test:

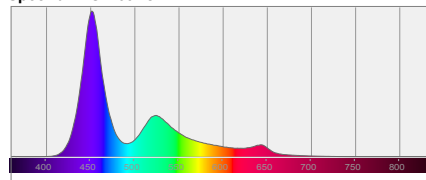
20Deg Full On

Date:

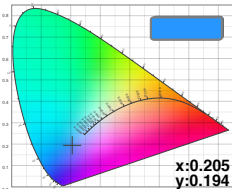
11/19/2018

Note:

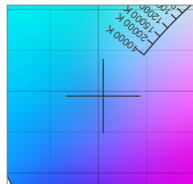
Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

Distance (feet)

1

3.3

3

9.8

5

16.4

7

22.9

10

32.8

Lux*

19.1°

Foot Candles*

*measured at
center of beam

Beam Width (meter)

Beam Width (feet)

0.3

1.1

1

3.3

1.7

5.5

2.4

7.7

3.4

11

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
19.1°	42.9°	66.1°	99.6%	97.0%

Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	9327	2332	1036	583	373	259	190	146	115	93	77	65	55	48	41	36	32	29	26	23
fcd	866.5	216.6	96.3	54.2	34.7	24.1	17.7	13.5	10.7	8.7	7.2	6	5.1	4.4	3.9	3.4	3	2.7	2.4	2.2

MOD QW100



Light Efficiency:

8 Lumen/Watt

Dominant Wavelength:

627 nm

Output:

54.6 lm

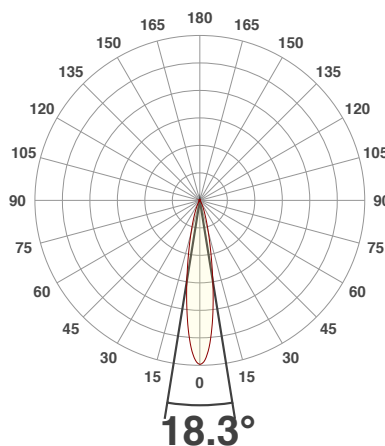
Power:

6.6 W

Peak:

349 cd

Beam Angle



Test:

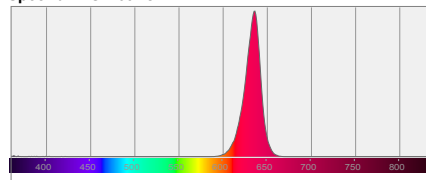
20Deg Red

Date:

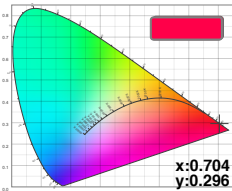
11/19/2018

Note:

Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

Distance (feet)

1

3.3

3

9.8

5

16.4

7

22.9

10

32.8

Lux*

18.3°

Foot Candles*

*measured at
center of beam

Beam Width (meter)

Beam Width (feet)

0.3

1.1

1

3.2

1.6

5.3

2.3

7.4

3.2

10.6

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
18.3°	39.5°	58.6°	100.0%	99.3%

Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	349	87	39	22	14	10	7	5	4	3	3	2	2	2	2	1	1	1	1	1
fcd	32.4	8.1	3.6	2	1.3	0.9	0.7	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1



Light efficiency:

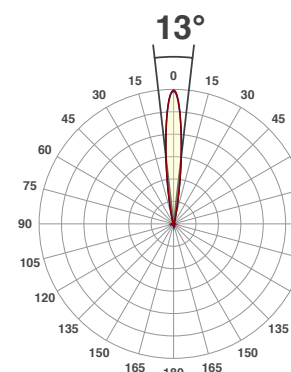
31 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K



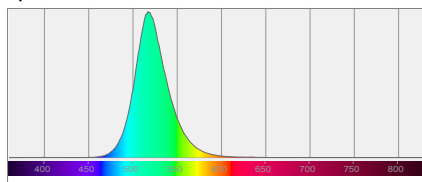
Product name:
MOD QW100

Test:
Green

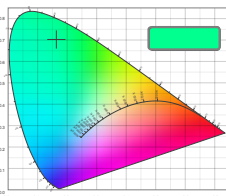
Date:
10/16/2017

Output: 957 lm Power consumption: 30.9 W Peak: 12671 cd

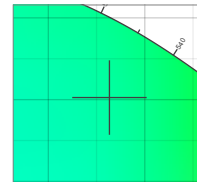
Spectral distribution



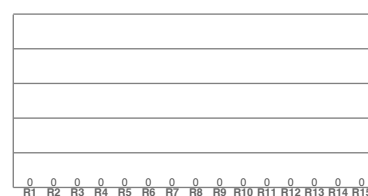
Color coordinates



Zoom color point

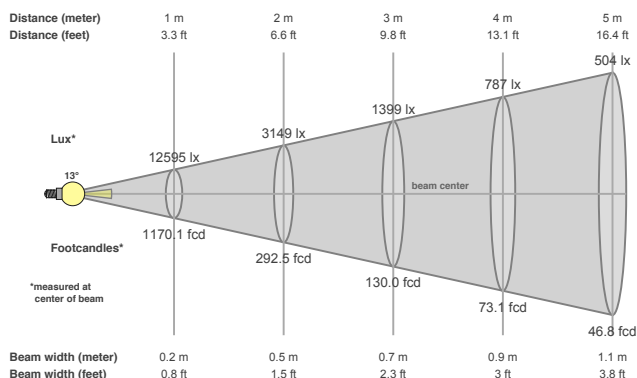


CRI R values



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.163	0.703	0.059	0.380	n/a

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
13°	24.8°	39°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
12671 cd	97.8%	96.2%

Power

Power	Power factor	Power frequency
30.9 W	0.56	60 Hz

Nominal voltage	Voltage	Current
230 V	115 V	0.483 A

Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
12595lx	3149lx	1399lx	787lx	504lx	350lx	257lx	197lx	155lx	126lx	104lx	87lx	75lx	64lx	56lx	49lx	44lx	39lx	35lx	31lx
1170.1fcd	292.5fcd	130fcd	73.1fcd	46.8fcd	32.5fcd	23.9fcd	18.3fcd	14.4fcd	11.7fcd	9.7fcd	8.1fcd	6.9fcd	6fcd	5.2fcd	4.6fcd	4fcd	3.6fcd	3.2fcd	2.9fcd



Light efficiency:

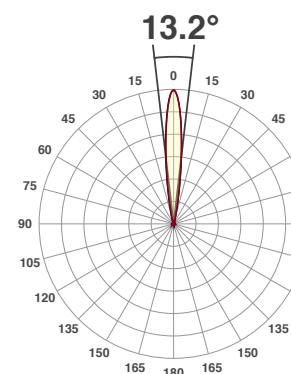
8 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K



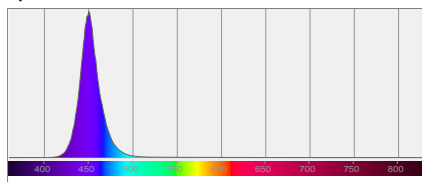
Product name:
MOD QW100

Test:
Blue

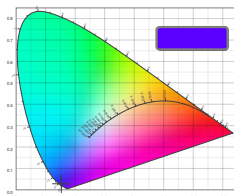
Date:
10/16/2017

Output: 237 lm Power consumption: 30.9 W Peak: 2942 cd

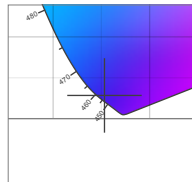
Spectral distribution



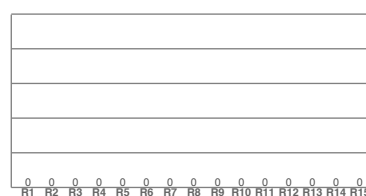
Color coordinates



Zoom color point

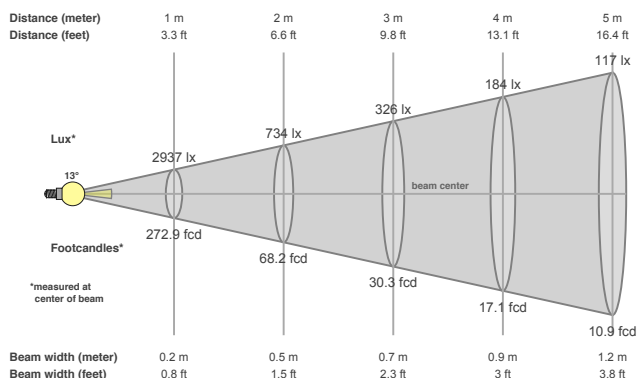


CRI R values



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color divition from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.153	0.028	0.202	0.056	n/a

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
13.2°	25.1°	39.3°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2942 cd	94.8%	93.0%

Power

Power	Power factor	Power frequency
30.9 W	0.55	60 Hz

Nominal voltage	Voltage	Current
230 V	116 V	0.481 A

Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
2937lx	734lx	326lx	184lx	117lx	82lx	60lx	46lx	36lx	29lx	24lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx
272.9fcd	68.2fcd	30.3fcd	17.1fcd	10.9fcd	7.6fcd	5.6fcd	4.3fcd	3.4fcd	2.7fcd	2.3fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.8fcd	0.7fcd



Light efficiency:

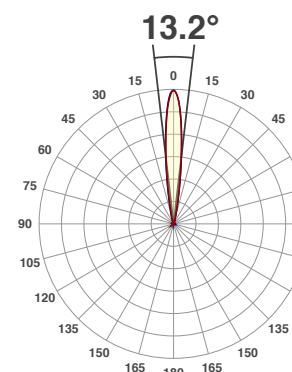
42 Lumen/Watt

Light quality:

CRI: 72.5

Color temperature:

7614 K



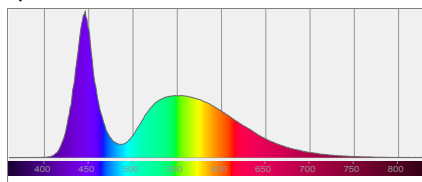
Product name:
MOD QW100

Test:
White

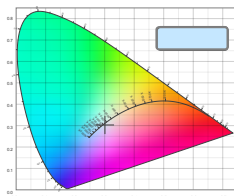
Date:
10/16/2017

Output: 1213 lm Power consumption: 29.1 W Peak: 15593 cd

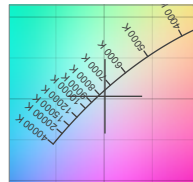
Spectral distribution



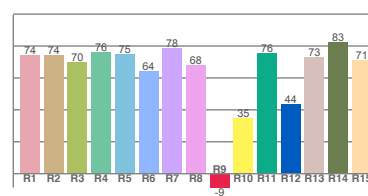
Color coordinates



Zoom color point

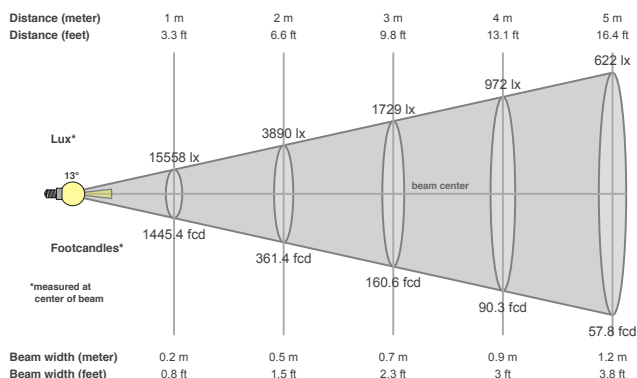


CRI R values



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
7614 K	72.5	-8.6	66.5	96.6	68.5	0.301	0.303	0.199	0.301	0.0073

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
13.2°	25.2°	39.7°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
15593 cd	98.2%	96.9%

Power

Power	Power factor	Power frequency
29.1 W	0.55	60 Hz

Nominal voltage	Voltage	Current
230 V	116 V	0.455 A

Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
15558lx	3890lx	1729lx	972lx	622lx	432lx	318lx	243lx	192lx	156lx	129lx	108lx	92lx	79lx	69lx	61lx	54lx	48lx	43lx	39lx
1445.4fcd	361.4fcd	160.6fcd	90.3fcd	57.8fcd	40.2fcd	29.5fcd	22.6fcd	17.8fcd	14.5fcd	11.9fcd	10fcd	8.6fcd	7.4fcd	6.4fcd	5.6fcd	5fcd	4.5fcd	4fcd	3.6fcd