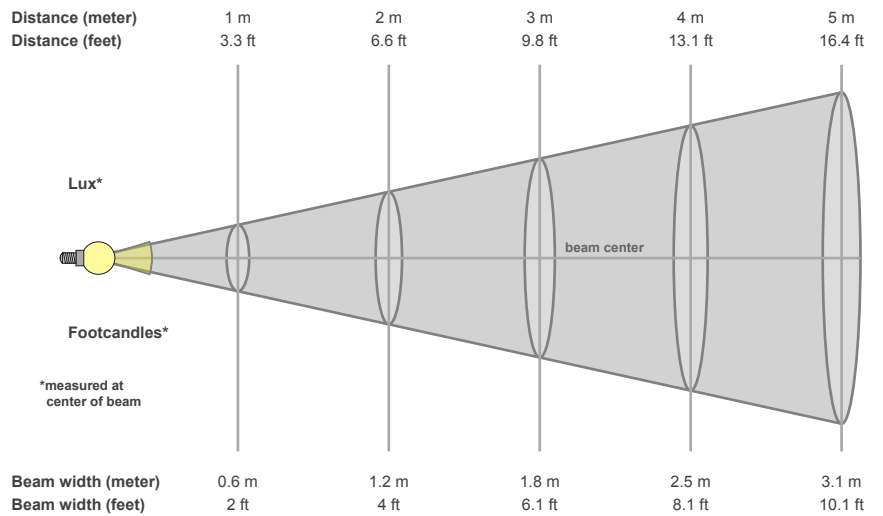
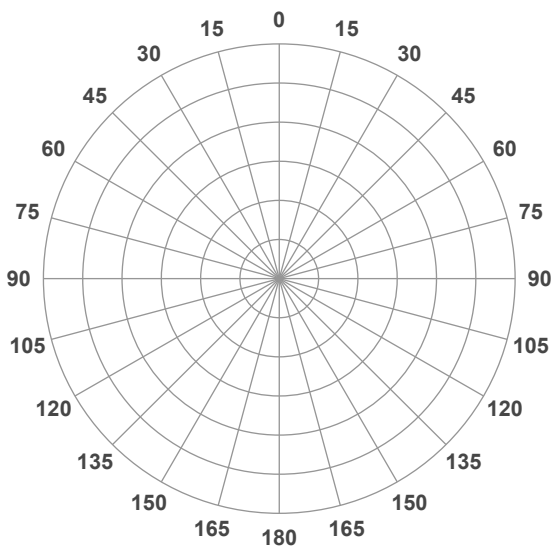
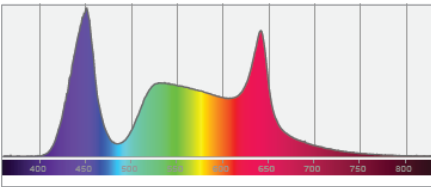
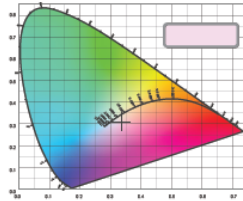




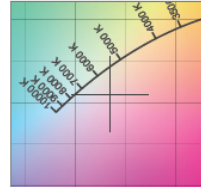
Spectral distribution



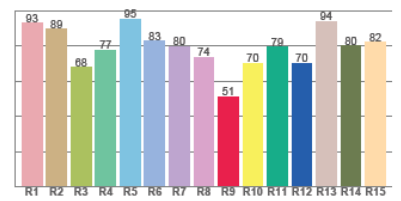
Color coordinates



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 QA60



Light Efficiency:

12 Lumen/Watt

Dominant Wavelength:

437 nm

Output:

825 lm

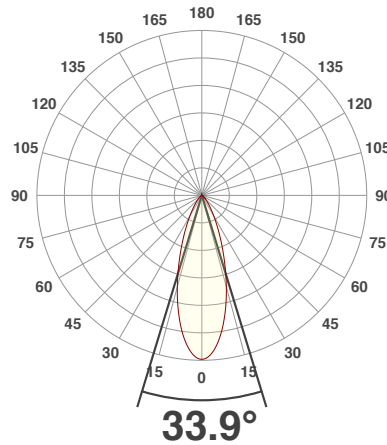
Power:

66.3 W

Peak:

1856 cd

Beam Angle



Test:

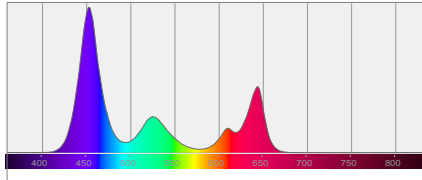
60Deg Full On

Date:

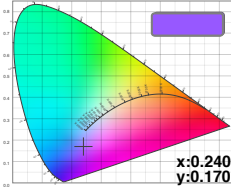
11/27/2018

Note:

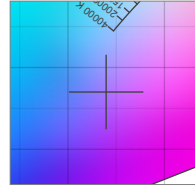
Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

1

Distance (feet)

3.3

3

9.8

5

16.4

7

22.9

10

32.8

Lux*

33.9°

Foot Candles*

*measured at
center of beam

Beam Width (meter)

Beam Width (feet)

0.6

2

1.8

6

3.1

10

4.3

14

6.1

20

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
33.9°	67.4°	92.2°	99.5%	95.7%

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	1855	464	206	116	74	52	38	29	23	19	15	13	11	9	8	7	6	6	5	5
fcd	172.4	43.1	19.2	10.8	6.9	4.8	3.5	2.7	2.1	1.7	1.4	1.2	1	0.9	0.8	0.7	0.6	0.5	0.5	0.4

MOD QA60



Light Efficiency:

15 Lumen/Watt

Dominant Wavelength:

625 nm

Output:

265 lm

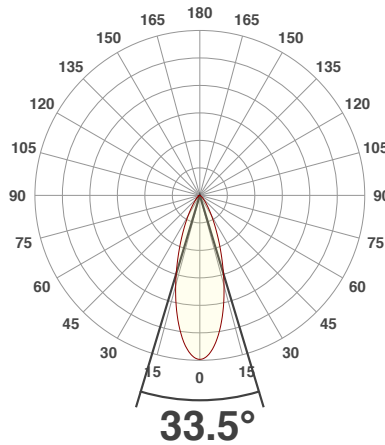
Power:

17.7 W

Peak:

599 cd

Beam Angle



Test:

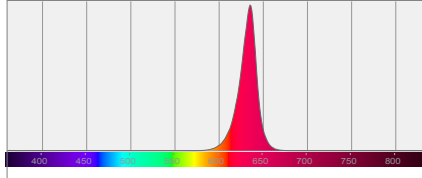
60Deg Red

Date:

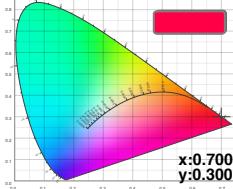
11/27/2018

Note:

Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

1

Distance (feet)

3.3

3

9.8

5

16.4

7

22.9

10

32.8

Lux*

33.5°

599 lx

67 lx

24 lx

37 lx

24 lx

Foot Candles*

56 fcd

6 fcd

2 fcd

1 fcd

1 fcd

*measured at
center of beam

Beam Width (meter)

0.6

Beam Width (feet)

2

1.8

5.9

3

9.9

4.2

13.8

6

19.8

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
33.5°	66.8°	93.2°	99.1%	94.7%

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	599	150	67	37	24	17	12	9	7	6	5	4	4	3	3	2	2	2	2	1
fcd	55.6	13.9	6.2	3.5	2.2	1.5	1.1	0.9	0.7	0.6	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1

MOD QA60



Light Efficiency:

28 Lumen/Watt

Dominant Wavelength:

530 nm

Output:

561 lm

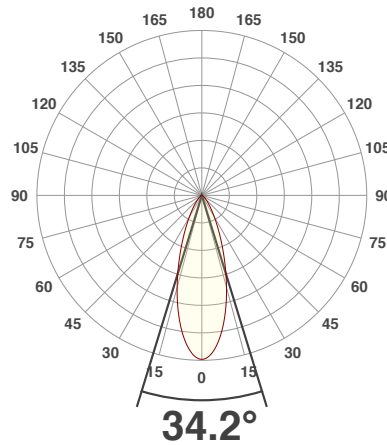
Power:

20.3 W

Peak:

1205 cd

Beam Angle



Test:

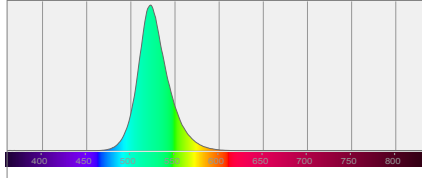
60Deg Green

Date:

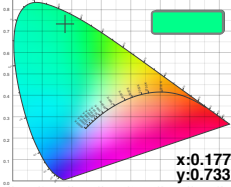
11/27/2018

Note:

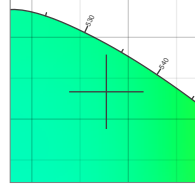
Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

1

Distance (feet)

3.3

3

9.8

5

16.4

7

22.9

10

32.8

Lux*

34.2°

Foot Candles*

*measured at
center of beam

Beam Width (meter)

Beam Width (feet)

0.6

2

1.8

6

3.1

10.1

4.3

14.1

6.1

20.2

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
34.2°	68.6°	96.9°	98.7%	93.6%

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	1204	301	134	75	48	33	25	19	15	12	10	8	7	6	5	5	4	4	3	3
fcd	111.9	28	12.4	7	4.5	3.1	2.3	1.7	1.4	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3



Light efficiency:

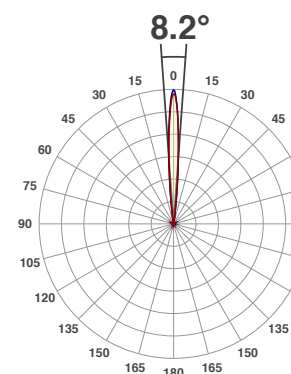
6 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K



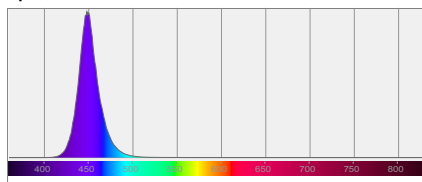
Product name:
MOD QA60

Test:
Blue

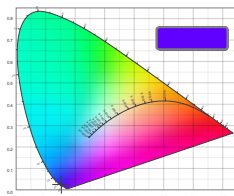
Date:
10/16/2017

Output: 87.7 lm Power consumption: 14.7 W Peak: 2735 cd

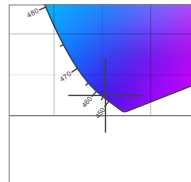
Spectral distribution



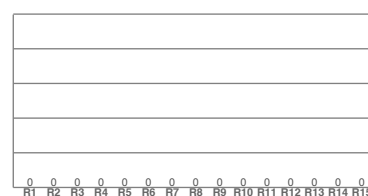
Color coordinates



Zoom color point

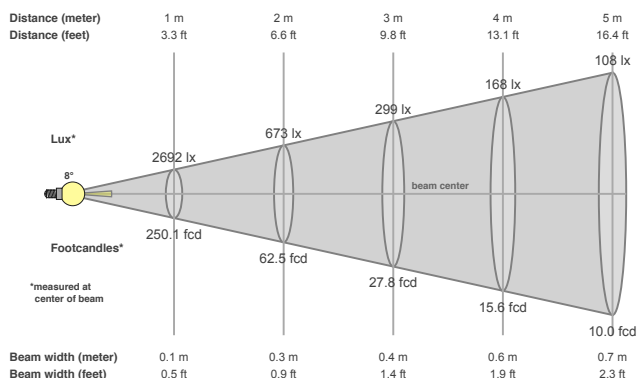


CRI R values



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	0.025	0.205	0.050	n/a

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
8.2°	14.8°	20.6°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2735 cd	89.1%	87.4%

Power

Power	Power factor	Power frequency
14.7 W	0.5	60 Hz

Nominal voltage	Voltage	Current
230 V	115 V	0.255 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
2692lx	673lx	299lx	168lx	108lx	75lx	55lx	42lx	33lx	27lx	22lx	19lx	16lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx
250.1fcd	62.5fcd	27.8fcd	15.6fcd	10fcd	6.9fcd	5.1fcd	3.9fcd	3.1fcd	2.5fcd	2.1fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd



Light efficiency:

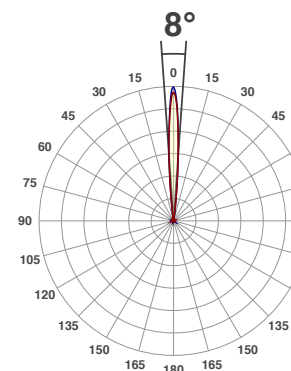
12 Lumen/Watt

Light quality:

CRI: -20.0

Color temperature:

1447 K



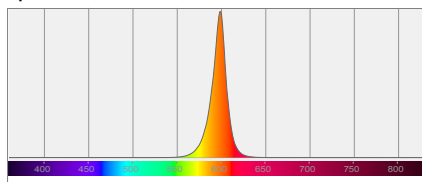
Product name:
MOD QA60

Test:
Amber

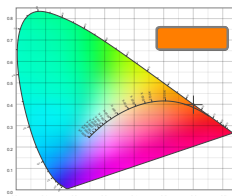
Date:
10/16/2017

Output: 216 lm Power consumption: 18.1 W Peak: 7941 cd

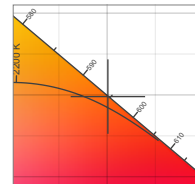
Spectral distribution



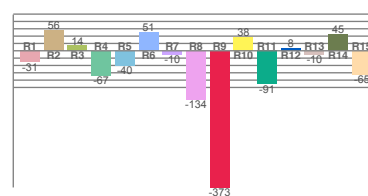
Color coordinates



Zoom color point

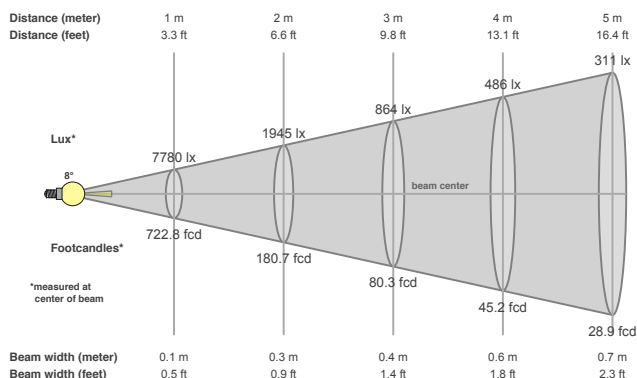


CRI R values



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
1447 K	-20.0	-372.7	1.1	5.8	0.0	0.601	0.398	0.366	0.363	0.0031

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
8°	14.3°	19.6°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
7941 cd	95.4%	94.4%

Power

Power	Power factor	Power frequency
18.1 W	0.52	60 Hz

Nominal voltage	Voltage	Current
230 V	117 V	0.302 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
7780lx	1945lx	864lx	486lx	311lx	216lx	159lx	122lx	96lx	78lx	64lx	54lx	46lx	40lx	35lx	30lx	27lx	24lx	22lx	19lx
722.8fcd	180.7fcd	80.3fcd	45.2fcd	28.9fcd	20.1fcd	14.8fcd	11.3fcd	8.9fcd	7.2fcd	6fcd	5fcd	4.3fcd	3.7fcd	3.2fcd	2.8fcd	2.5fcd	2.2fcd	2fcd	1.8fcd