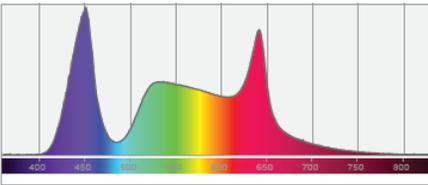
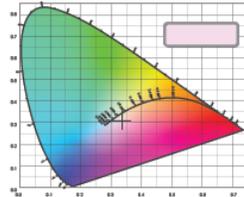


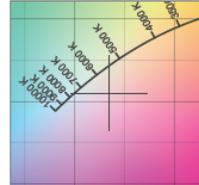
Spectral distribution



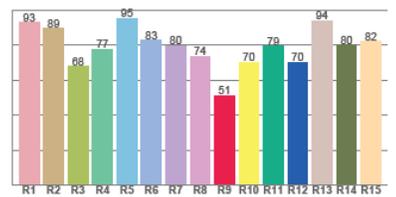
Color coordinates



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.



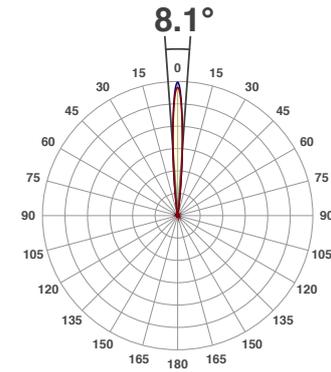
Light efficiency:



Light quality:



Color temperature:



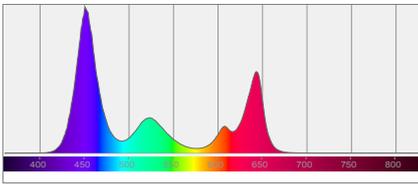
Product name:
MOD QA60

Test:
Full On

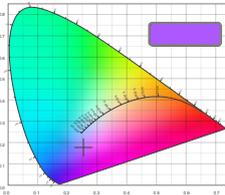
Date:
10/16/2017

Output: 683 lm Power consumption: 55.6 W Peak: 25307 cd

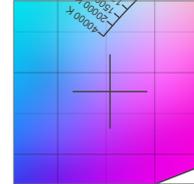
Spectral distribution



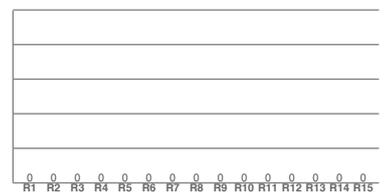
Color coordinates



Zoom color point

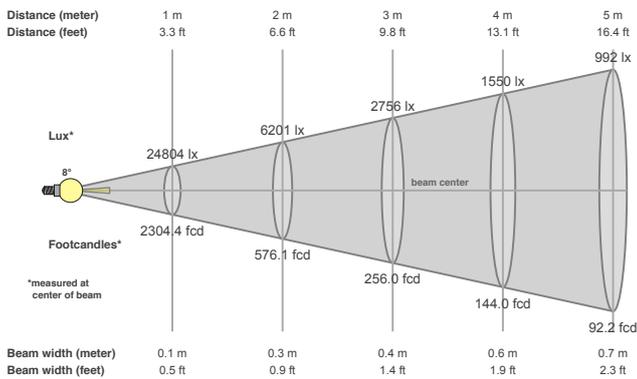


CRI R values



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	0.254	0.177	0.220	0.230	n/a

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
8.1°	14.5°	20.1°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
25307 cd	98.0%	97.3%

Power

Power	Power factor	Power frequency
55.6 W	0.58	60.1 Hz

Nominal voltage	Voltage	Current
230 V	115 V	0.830 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
24804lx	6201lx	2756lx	1550lx	992lx	689lx	506lx	388lx	306lx	248lx	205lx	172lx	147lx	127lx	110lx	97lx	86lx	77lx	69lx	62lx
2304.4fcd	576.1fcd	256fcd	144fcd	92.2fcd	64fcd	47fcd	36fcd	28.4fcd	23fcd	19fcd	16fcd	13.6fcd	11.8fcd	10.2fcd	9fcd	8fcd	7.1fcd	6.4fcd	5.8fcd



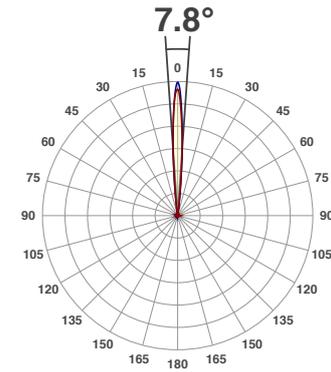
Light efficiency:



Light quality:



Color temperature:



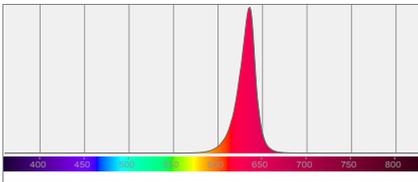
Product name:
MOD QA60

Test:
Red

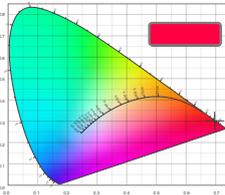
Date:
10/16/2017

Output: 278 lm Power consumption: 17.8 W Peak: 10133 cd

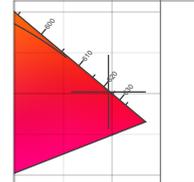
Spectral distribution



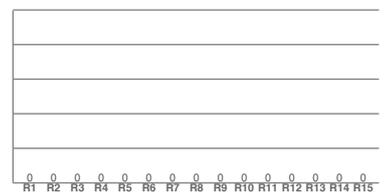
Color coordinates



Zoom color point

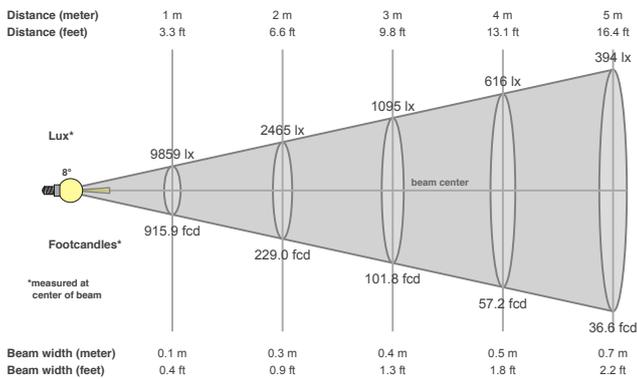


CRI R values



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	0.696	0.302	0.532	0.346	n/a

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
7.8°	13.9°	19.1°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
10133 cd	90.9%	89.1%

Power

Power	Power factor	Power frequency
17.8 W	0.51	60 Hz

Nominal voltage	Voltage	Current
230 V	116 V	0.301 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
9859lx	2465lx	1095lx	616lx	394lx	274lx	201lx	154lx	122lx	99lx	81lx	68lx	58lx	50lx	44lx	39lx	34lx	30lx	27lx	25lx
915.9fcd	229fcd	101.8fcd	57.2fcd	36.6fcd	25.4fcd	18.7fcd	14.3fcd	11.3fcd	9.2fcd	7.6fcd	6.4fcd	5.4fcd	4.7fcd	4.1fcd	3.6fcd	3.2fcd	2.8fcd	2.5fcd	2.3fcd



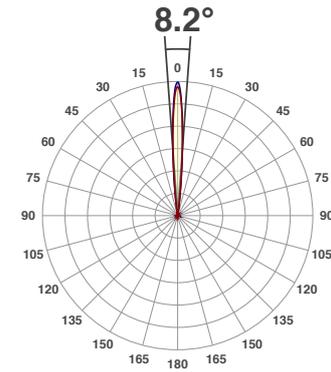
Light efficiency:



Light quality:



Color temperature:



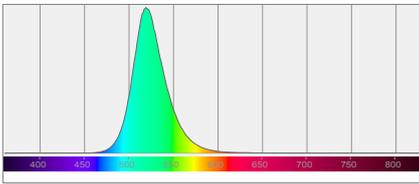
Product name:
MOD QA60

Test:
Green

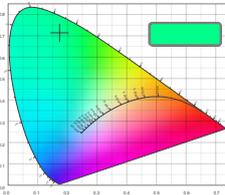
Date:
10/16/2017

Output: 431 lm Power consumption: 17.9 W Peak: 15393 cd

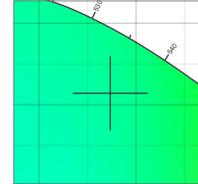
Spectral distribution



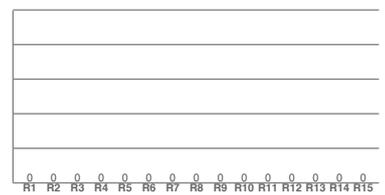
Color coordinates



Zoom color point

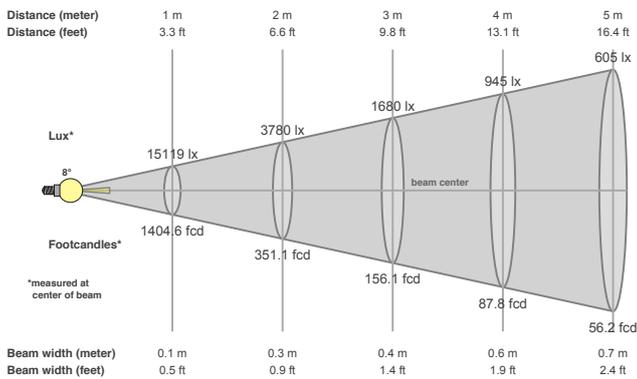


CRI R values



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	0.173	0.714	0.062	0.382	n/a

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
8.2°	14.7°	20.3°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
15393 cd	97.1%	96.4%

Power

Power	Power factor	Power frequency
17.9 W	0.51	60.1 Hz

Nominal voltage	Voltage	Current
230 V	114 V	0.308 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
15119lx	3780lx	1680lx	945lx	605lx	420lx	309lx	236lx	187lx	151lx	125lx	105lx	89lx	77lx	67lx	59lx	52lx	47lx	42lx	38lx
1404.6fcd	351.1fcd	156.1fcd	87.8fcd	56.2fcd	39fcd	28.7fcd	21.9fcd	17.3fcd	14fcd	11.6fcd	9.8fcd	8.3fcd	7.2fcd	6.2fcd	5.5fcd	4.9fcd	4.3fcd	3.9fcd	3.5fcd



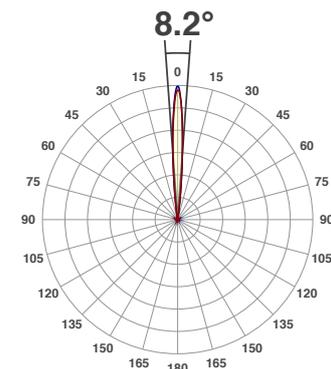
Light efficiency:



Light quality:



Color temperature:



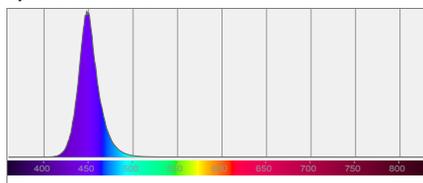
Product name:
MOD QA60

Test:
Blue

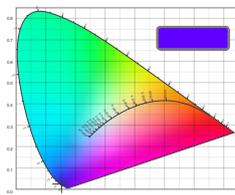
Date:
10/16/2017

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

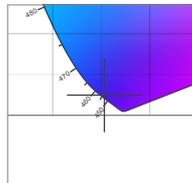
Spectral distribution



Color coordinates



Zoom color point

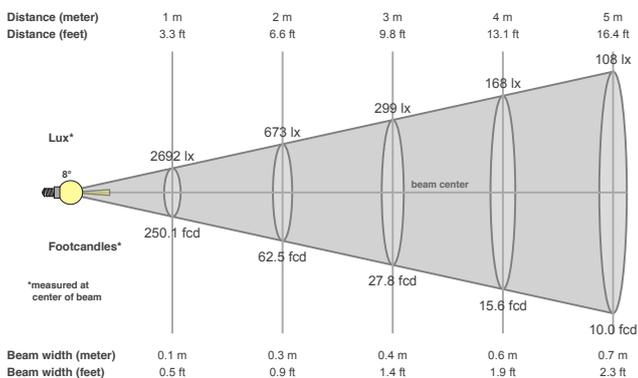


CRI R values



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 angels

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



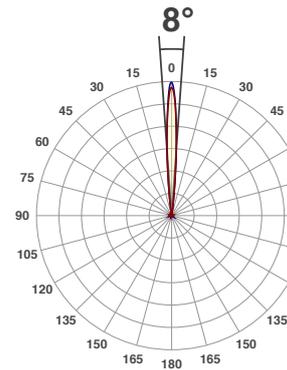
Light efficiency:



Light quality:



Color temperature:



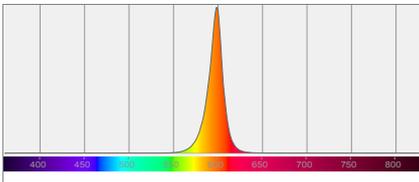
Product name:
MOD QA60

Test:
Amber

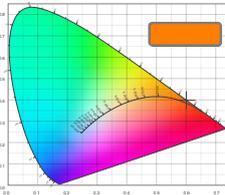
Date:
10/16/2017

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

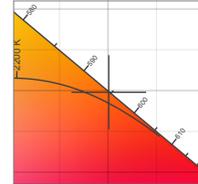
Spectral distribution



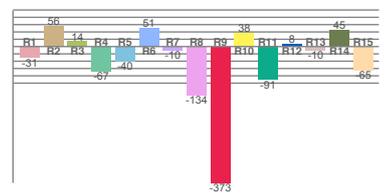
Color coordinates



Zoom color point

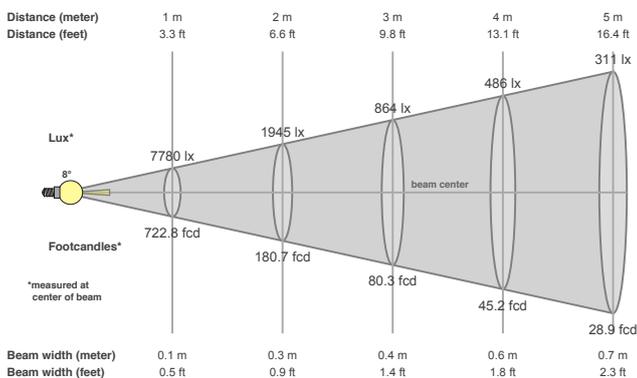


CRI R values



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 divition 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