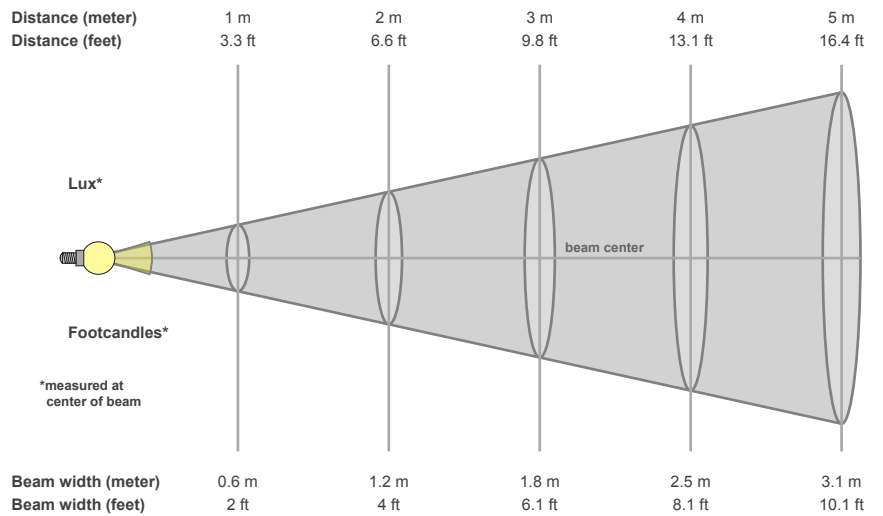
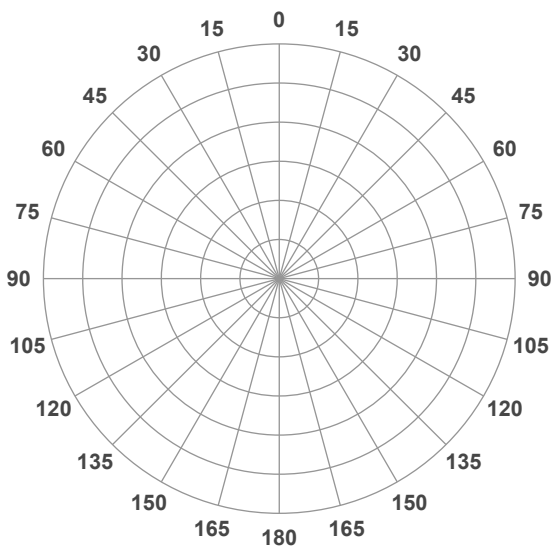
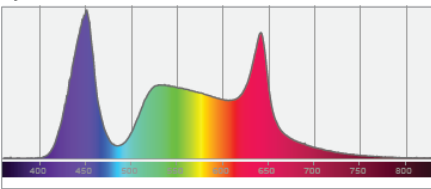
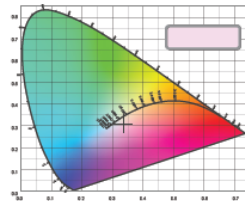




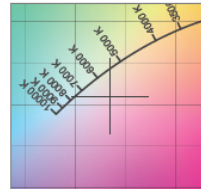
Spectral distribution



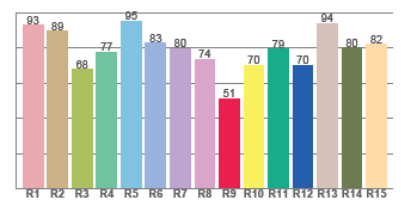
Color coordinates



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 HEX100



Light Efficiency:

17 Lumen/Watt

Dominant Wavelength:

467 nm

Output:

1789 lm

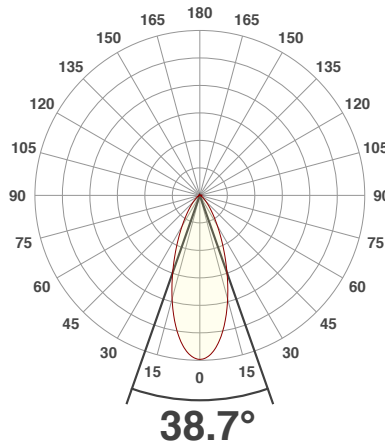
Power:

105 W

Peak:

3117 cd

Beam Angle



Test:

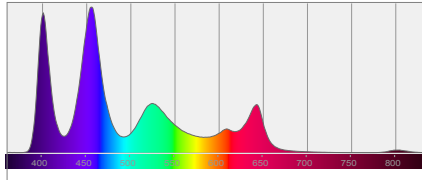
60Deg Full On

Date:

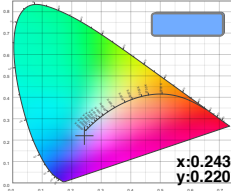
11/21/2018

Note:

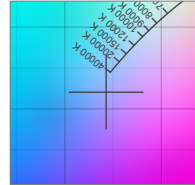
Spectral Distribution



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*

38.7°

Foot Candles*

*measured at
center of beam

Beam Width (meter)

Beam Width (feet)

0.7

2.3

2.1

6.9

3.5

11.5

4.9

16.1

7

23.1

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
38.7°	77.2°	106.5°	99.0%	92.6%

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	3114	779	346	195	125	87	64	49	38	31	26	22	18	16	14	12	11	10	9	8
fcd	289.3	72.3	32.1	18.1	11.6	8	5.9	4.5	3.6	2.9	2.4	2	1.7	1.5	1.3	1.1	1	0.9	0.8	0.7

MOD HEX100



Light Efficiency:

22 Lumen/Watt

Dominant Wavelength:

463 nm

Output:

1881 lm

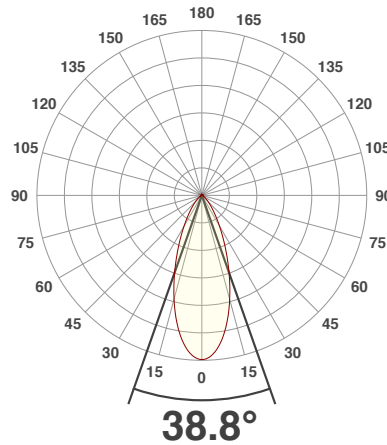
Power:

86.8 W

Peak:

3268 cd

Beam Angle



Test:

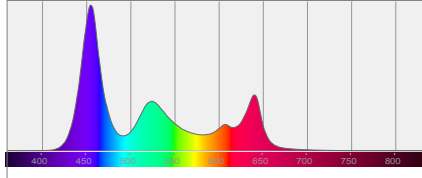
60Deg Full On No UV

Date:

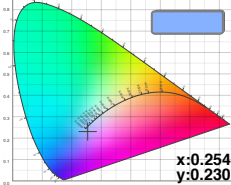
11/21/2018

Note:

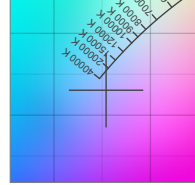
Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

1

Distance (feet)

3.3

3

9.8

5

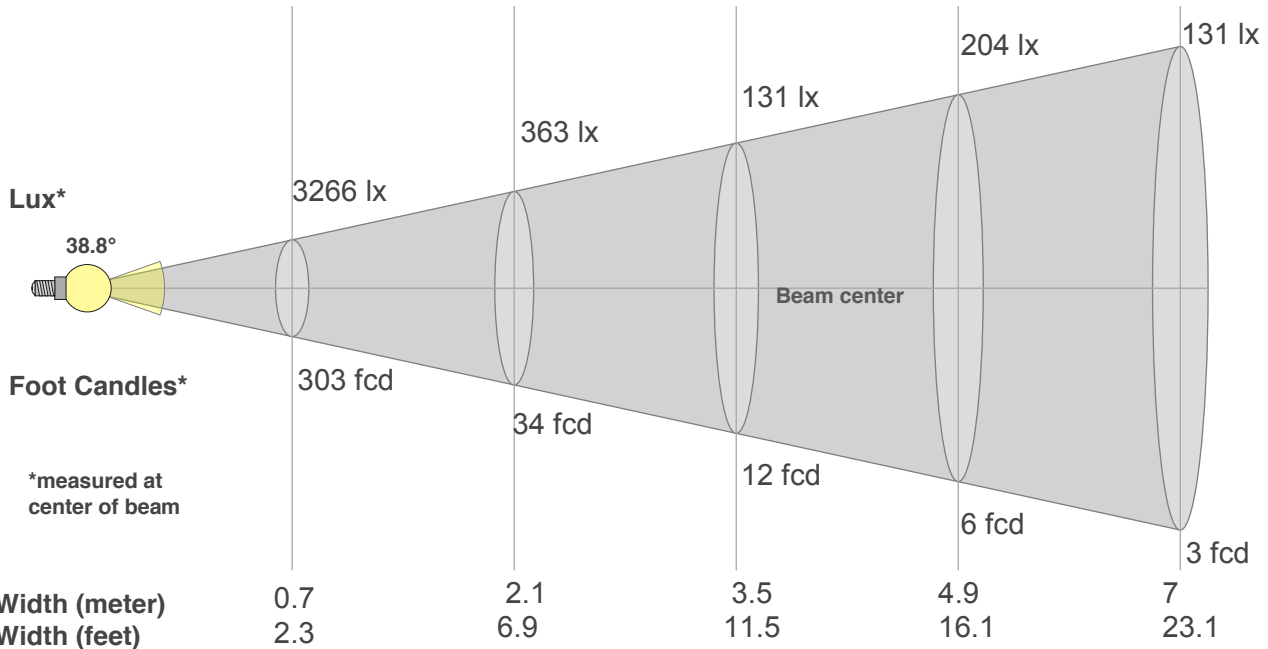
16.4

7

22.9

10

32.8



Beam Width (meter)

Beam Width (feet)

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
38.8°	77.3°	106.6°	99.1%	92.6%

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	3266	817	363	204	131	91	67	51	40	33	27	23	19	17	15	13	11	10	9	8
fcd	303.4	75.9	33.7	19	12.1	8.4	6.2	4.7	3.7	3	2.5	2.1	1.8	1.5	1.3	1.2	1	0.9	0.8	0.8

MOD HEX100



Light Efficiency:

18 Lumen/Watt

Dominant Wavelength:

622 nm

Output:

332 lm

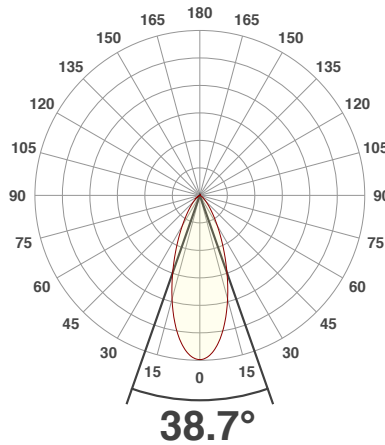
Power:

18.4 W

Peak:

579 cd

Beam Angle



Test:

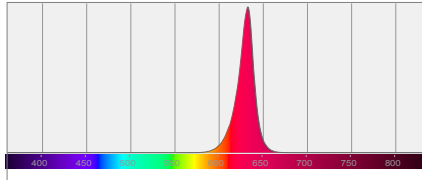
60Deg Red

Date:

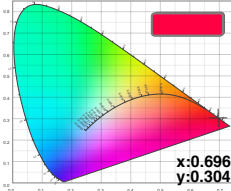
11/21/2018

Note:

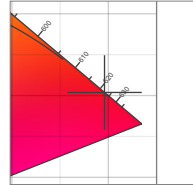
Spectral Distribution



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*

38.7°

579 lx

64 lx

23 lx

36 lx

23 lx

Foot Candles*

54 fcd

6 fcd

2 fcd

1 fcd

1 fcd

*measured at
center of beam

Beam Width (meter)

0.7

Beam Width (feet)

2.3

2.1

6.9

3.5

11.5

4.9

16.1

7

23

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
38.7°	76.8°	106.4°	98.7%	92.2%

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	579	145	64	36	23	16	12	9	7	6	5	4	3	3	3	2	2	2	2	1
fcd	53.8	13.4	6	3.4	2.2	1.5	1.1	0.8	0.7	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1

MOD HEX100



Light Efficiency:

38 Lumen/Watt

Dominant Wavelength:

527 nm

Output:

854 lm

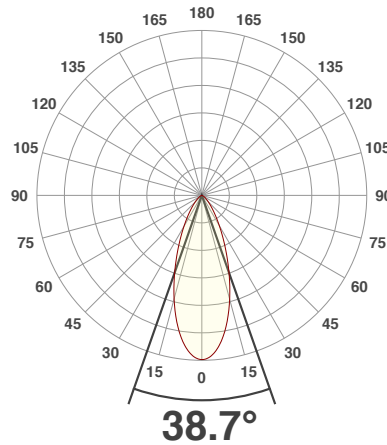
Power:

22.2 W

Peak:

1465 cd

Beam Angle



Test:

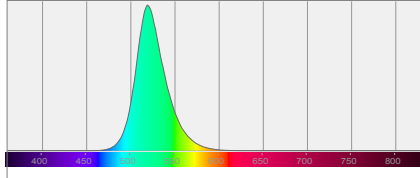
60Deg Green

Date:

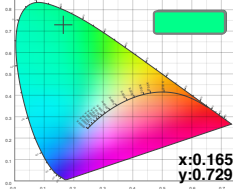
11/21/2018

Note:

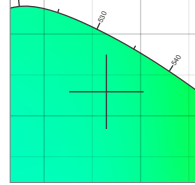
Spectral Distribution



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*

38.7°

1465 lx

163 lx

59 lx

92 lx

59 lx

Foot Candles*

136 fcd

15 fcd

5 fcd

3 fcd

1 fcd

*measured at
center of beam

Beam Width (meter)

0.7

Beam Width (feet)

2.3

2.1

6.9

3.5

11.5

4.9

16.1

7

23.1

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
38.7°	77.4°	108.6°	98.4%	91.5%

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	1465	366	163	92	59	41	30	23	18	15	12	10	9	7	7	6	5	5	4	4
fcd	136.1	34	15.1	8.5	5.4	3.8	2.8	2.1	1.7	1.4	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3

5 Lumen/Watt

456 nm

118 lm

22.6 W

189 cd



Note:

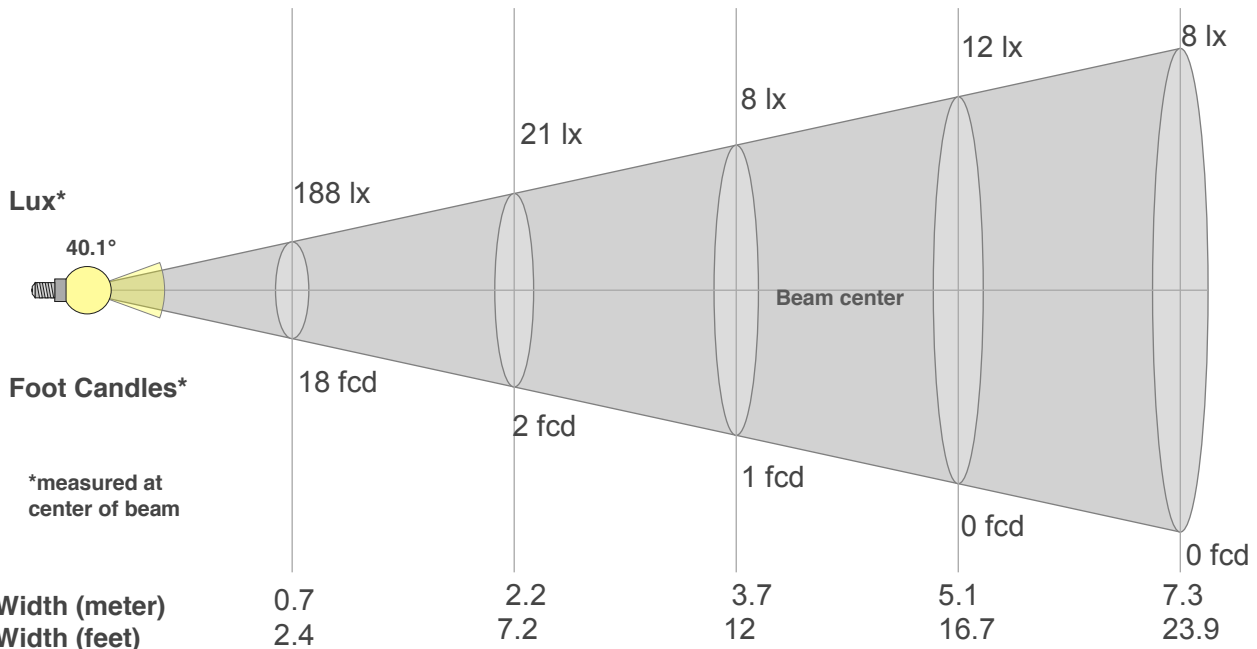
1
3.3

3
9.8

5
16.4

7
22.9

10
32.8



Beam Intensities from 1-20m

[illegible]

MOD HEX100



Light Efficiency:

12 Lumen/Watt

Light Quality:

CRI: -19.4

Color Temperature:

1397 K

Output: 206 lm

Peak: 343 cd

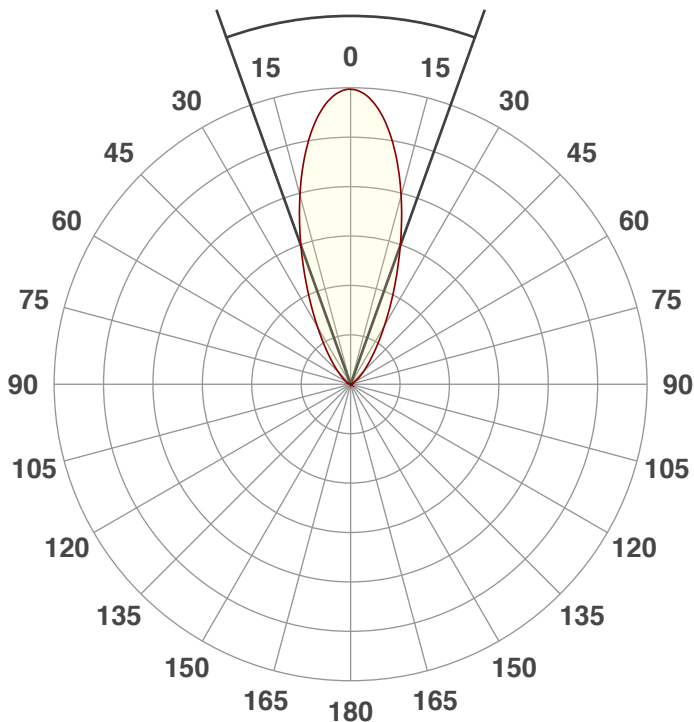
Power: 17.4 W

PF: 0.53



Beam Angle

39.4°



Test:

60Deg Amber

Date:

11/21/2018

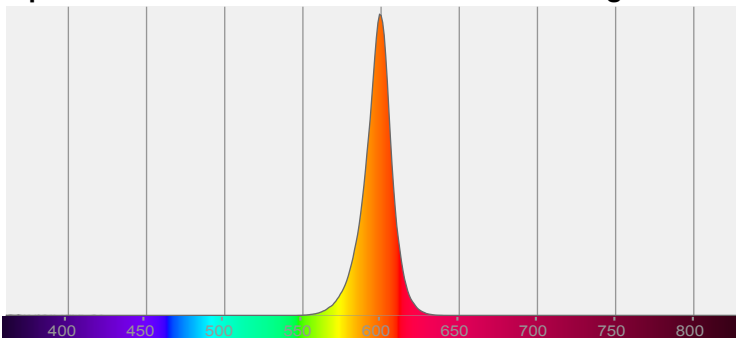
Note:



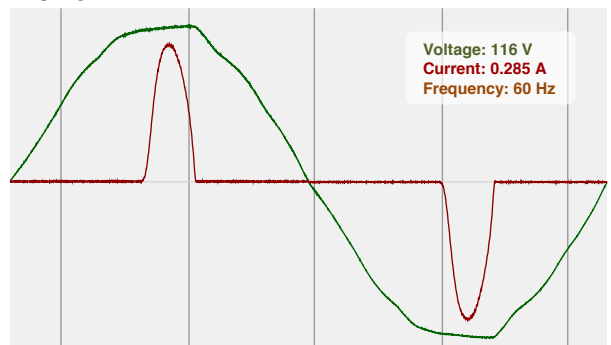
CIE 1931
x: 0.606
y: 0.393

Spectra

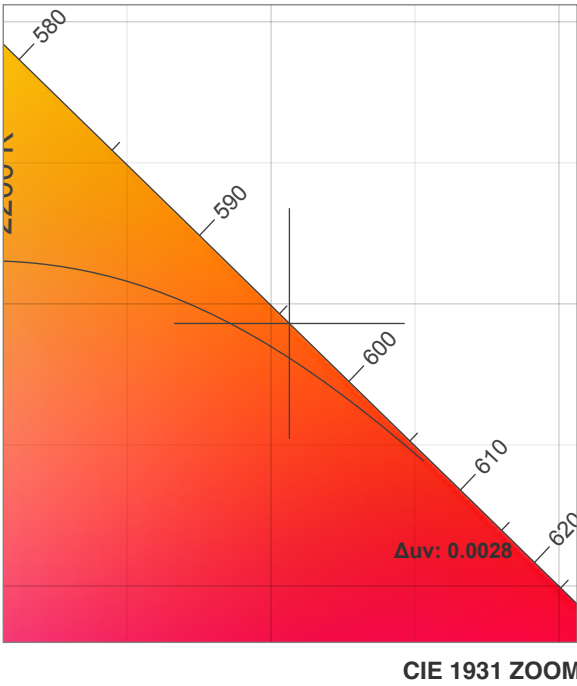
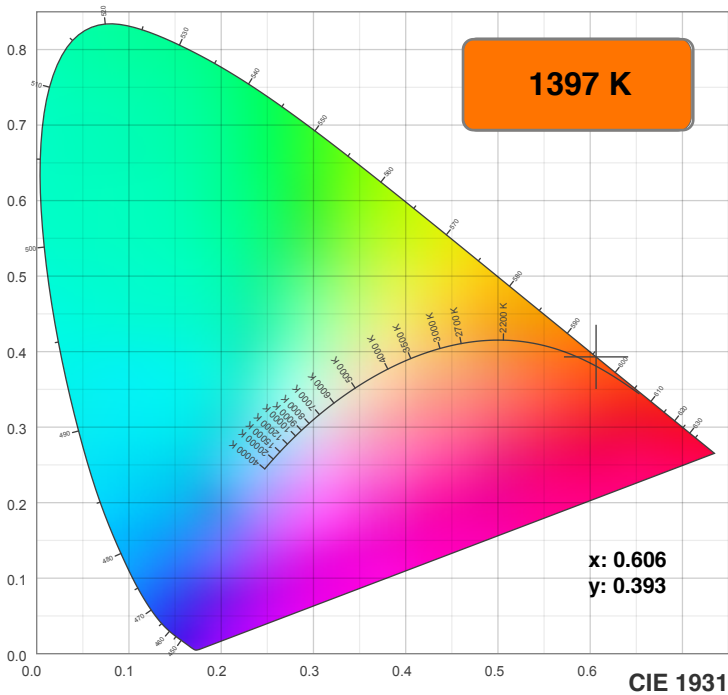
Dominant Wavelength: 596nm



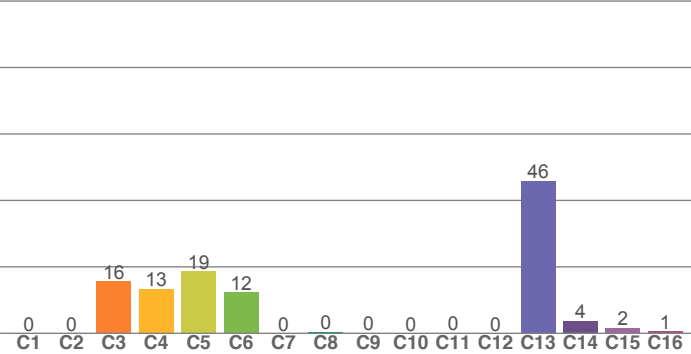
Power



Color Details



TM30: 0.4



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
-29.4	57.2	12.6	-66.6	-38.9	52.8	-10.1	-132.6	-367.0	39.1	-88.8	9.8	-9.2	44.1	-64.3

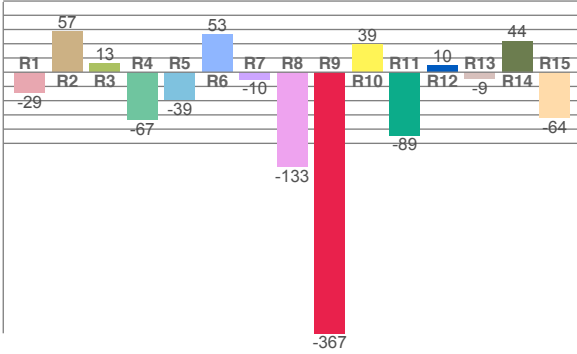
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	15.6	13.4	18.6	12.2	0.0	0.4	0.1	0.0	0.1	0.0	45.8	3.8	1.7	0.5

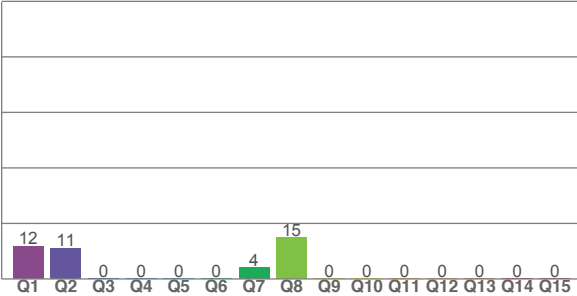
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.8	11.1	0.0	0.0	0.0	0.2	4.1	14.9	0.1	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -19.4 (R1-R8)



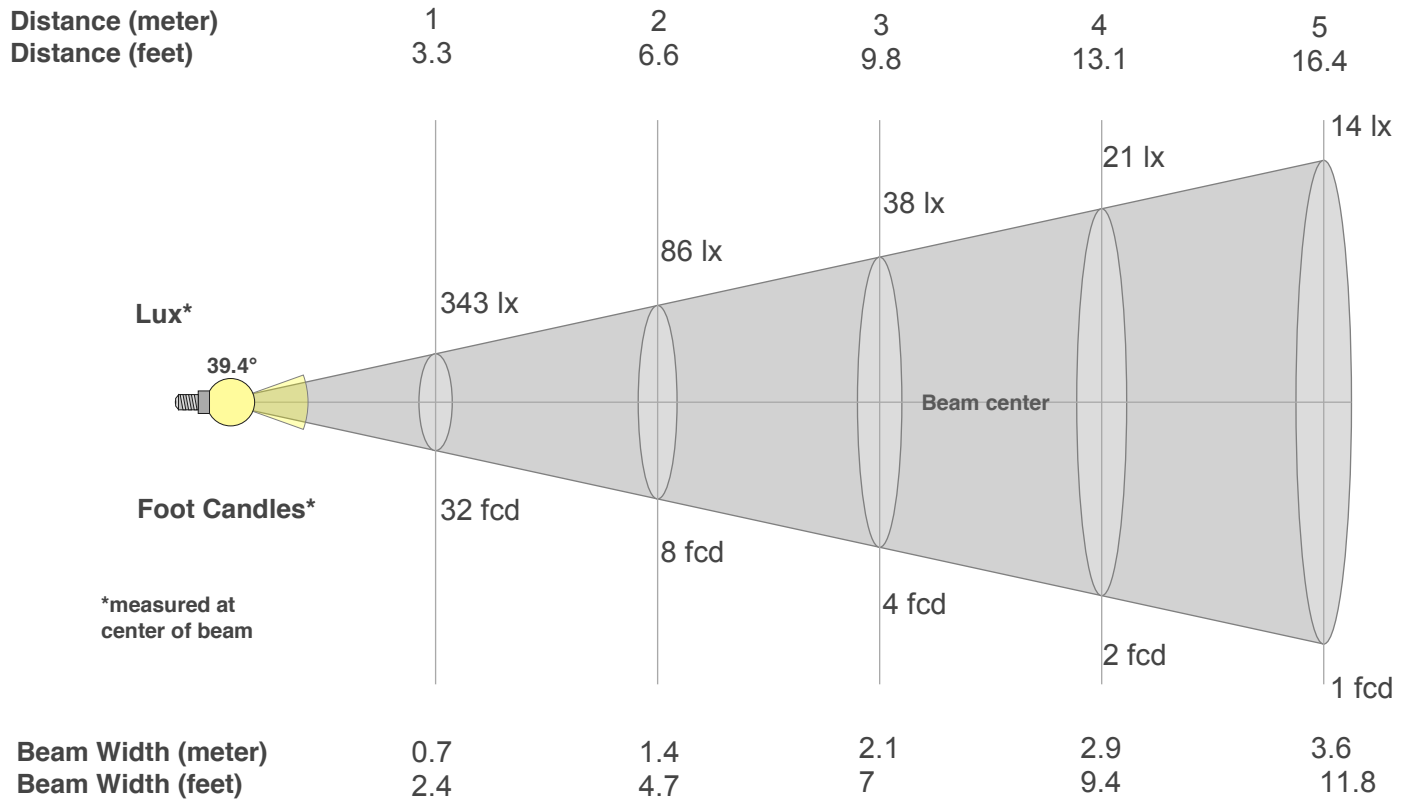
CQS: 0.0



Color Parameters

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 Deviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
1397 K	-19.4	-367.0	0.4	0.6	0.0	0.606	0.393	0.373	0.363	0.0028

Beam Details



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	343	86	38	21	14	10	7	5	4	3	3	2	2	2	2	1	1	1	1	1
fcd	31.9	8	3.5	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

Intensities in 0° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
343	341	333	321	305	286	264	240	216	192	169	146	126	108	91	77	65	55	46	38
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	49%	43%	37%	31%	27%	22%	19%	16%	13%	11%

Intensities in 90° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
343	341	333	321	305	286	264	240	216	192	169	146	126	108	91	77	65	55	46	38
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	49%	43%	37%	31%	27%	22%	19%	16%	13%	11%

Intensities in 180° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
343	340	333	320	304	284	263	239	215	191	169	147	127	109	93	79	67	57	48	40
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	49%	43%	37%	32%	27%	23%	20%	16%	14%	12%

Intensities in 270° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
343	340	333	320	304	284	263	239	215	191	169	147	127	109	93	79	67	57	48	40
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	49%	43%	37%	32%	27%	23%	20%	16%	14%	12%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
39.4°	79.1°	109.5°	98.7%	91.6%



Light efficiency:

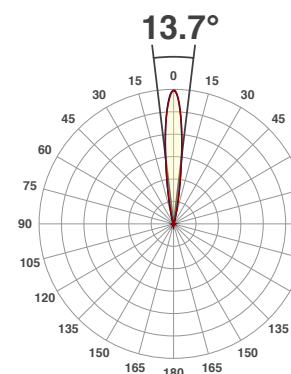
43 Lumen/Watt

Light quality:

CRI: 73.0

Color temperature:

7085 K



Product name:

MOD HEX100

Test:

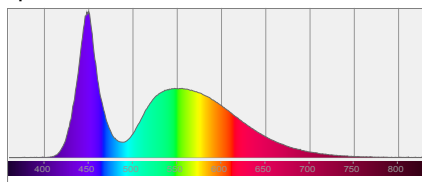
White

Date:

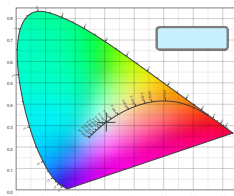
10/11/2017

Output: 920 lm Power consumption: 21.6 W Peak: 11135 cd

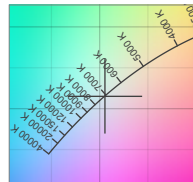
Spectral distribution



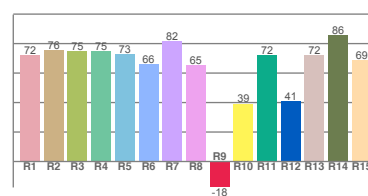
Color coordinates



Zoom color point

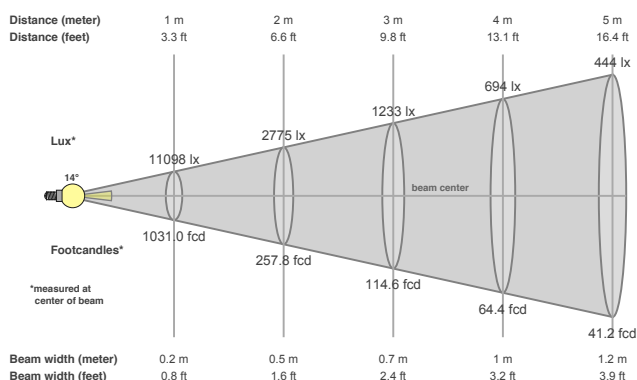


CRI R values



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
7085 K	73.0	-17.6	68.8	94.0	69.1	0.305	0.315	0.198	0.306	0.0035

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
13.7°	26°	41°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
11135 cd	97.6%	96.3%

Power

Power	Power factor	Power frequency
21.6 W	0.53	59.9 Hz

Nominal voltage	Voltage	Current
230 V	115 V	0.352 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
11098lx	2775lx	1233lx	694lx	444lx	308lx	226lx	173lx	137lx	111lx	92lx	77lx	66lx	57lx	49lx	43lx	38lx	34lx	31lx	28lx
1031fcd	257.8fcd	114.6fcd	64.4fcd	41.2fcd	28.6fcd	21fcd	16.1fcd	12.7fcd	10.3fcd	8.5fcd	7.2fcd	6.1fcd	5.3fcd	4.6fcd	4fcd	3.6fcd	3.2fcd	2.9fcd	2.6fcd



Light efficiency:

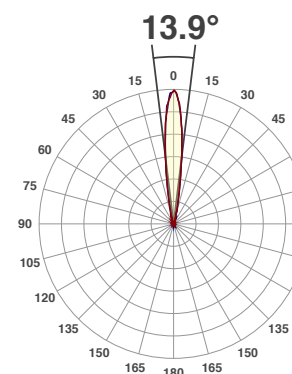
1 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K



Product name:
MOD HEX100

Test:

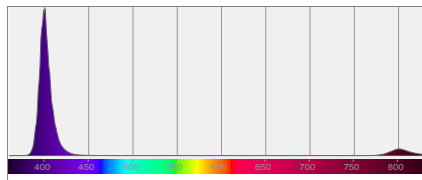
UV

Date:

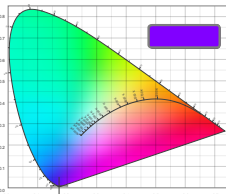
10/11/2017

Output: 24.8 lm Power consumption: 23.7 W Peak: 165 cd

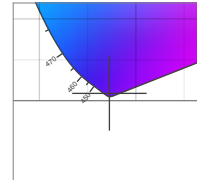
Spectral distribution



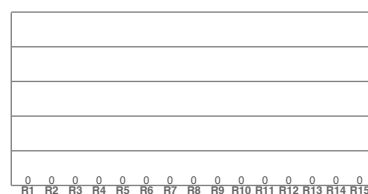
Color coordinates



Zoom color point

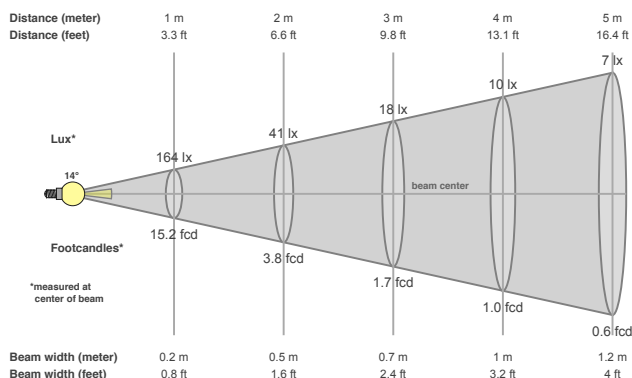


CRI R values



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	0.009	0.250	0.019	n/a

Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
13.9°	27°	45.3°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
165 cd	65.6%	60.6%

Power

Power	Power factor	Power frequency
23.7 W	0.54	60 Hz

Nominal voltage	Voltage	Current
230 V	114 V	0.383 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
164lx	41lx	18lx	10lx	7lx	5lx	3lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx
15.2fcd	3.8fcd	1.7fcd	1fcd	0.6fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd