

863

863

863

2006-2020

30000

1 Si GaN LED

Si LED

Si LED

Si 350mA LED

1 Si

2 4 Si LED

3 Si LED

1 LED LED

LED

2	LED	110 lm/W
---	-----	----------

0.7 /W

3 Si LED

4

•

2011	1	2013	12
------	---	------	----

6000

2 LED SiC

SiC

SiC

SiC

1 3~4 SiC

2

3 SiC

1 SiC 90

2

GaN LED

3 SiC

4

2011 1 2013 12

1500

3 GaN

2-4

1 HVPE

2

3 GaN LED

1 2-4

2

3 LED 350mA

LED 110 1m/W

4

2011 1 2013 12

2000

4

M0

LED

1

2

3 LED

MO

LED

1

GaN LED

2 MO

Ga In

TEGa TMA1 TMIn Cp₂Mg

MO

3

2011 1

2013 12

1500

2

5 150 1m/W GaN LED

GaN LED

150 1m/W

GaN LED

1 LED

2 LED

3 LED

4

1 GaN

002

102

2 55%

LED 350mA

150 1m/W

3

2011 1 2013 12

3000

6

LED

LED

LED

LED

1

2 LED

3 MOCVD

4

1

350mA

130 1m/W

1.2 /W

2

2011

1

2013

12

1500

2

7

LED

LED

LED

1

2

3

MOCVD

4

1				350mA	
		130	1m/W	1.5	/W
2					
	2011	1	2013	12	
				1500	2
	8	SiC		LED	
		SiC		LED	
					SiC
			LED		LED
1		SiC		LED	
2	SiC			LED	
3		MOCVD			
4					
1				350mA	
		130	1m/W	1.8	/W
2					

2011 1 2013 12

1500

2

9 / AC/HV LED

/ AC/HV LED

LED

1 / LED

2 / LED

3

4

1 LED 40V-100V 130 lm/W

@ 20mA

2 LED 220V 10V 110 lm/W

@ RMS10mA

3

2011	1	2013	12	
			2000	1.5

10	LED
----	-----

LED

1	LED
---	-----

2

3

4

1	LED	350mA	5500K
	130 lm/W	3000K	100 lm/W

2

LED

3	LED
---	-----

4

2011 1 2013 12
2000

11 OLED

OLED

OLED

OLED

1 OLED

2 OLED

3 OLED

4

5 OLED

1 OLED 1000 cd/m² 80 lm/W

10000

2 150mm 150mm 1000 cd/m² 40

lm/W 5000

3 OLED

4 OLED

5

2011 1 2013 12
3000

12 LED

LED

300nm LED

1 AlN

2 AlGaIn

3 LED

4 300nm LED

5 LED

1 300 nm LED 20 mA
> 4mW LED

2

2011 1 2013 12
1000

13 LED

LED RGB
LED

1

2 III LED

3

4 LED

5 RGB LED

6 RGB LED

1 >15% >90

2 RGB LED LED LED

LED

>85

3

2011 1 2013 12

1500

14 LED

LED

LED

LED

1 LED

2 LED LED

3 LED

4 LED

LED

1 0.001 cd/m²-100000 cd/m²

0.1

2 3%

3

4

5

2011 1 2013 12

1000

15 LED

LED

1 LED

2 LED

3 LED

4 LED

1 LED

2 LED

3

4 LED 10Mbps

5

2011 1 2013 12

1000

1 5

2

2010 12 15 17

3

4

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