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1. Economic Situation of Chinese lighting industry in 2011

MIIT statistics of 2011 shows that the Chinese Lighting Industry produce & sales and exports maintained stable growth, however the produce & sales of fluorescent lamps had been declined over the past.

The cumulative year-on-year growth rate of the Chinese Lighting Industry in 2011 was 23.6%. The cumulative produce & sales rate was 98.1%. And the total exports delivery revenue achieved a year-on-year increase of 7.8%.

In 2011, the Chinese Lighting Industry achieved a production of 19.61 billion electric lights total, up 10% year on year. The number of incandescent bulbs was 4.17 billion (up 4.0% over the previous year.), and fluorescent lights was 3.32 billion (a rise of 1.40% year on year.); the total number of lamps and lighting devices was 2.52 billion, with a cumulative growth of 6.4%.

Major economic indicators of Chinese lighting manufacturing in 2011

Main Economic Indicators	From Jan. to Dec. 2011
Enterprises Number (Unit)	2,148
Industrial sales output value (Billion Yuan)	278
Industrial sales output value Year-on-year growth (%)	23.61
Total sales rate (%)	98.1
Total Capital Fund (Billion Yuan)	169.9
Growth in Total Capital Fund Year-on-year (%)	21.75
Prime Operating Revenue (Billion Yuan)	272.8
Growth in Prime Operating Revenue Year-on-year (%)	23.65
Total Profit(Billion Yuan)	17.9
Growth in Total Profit Year-on-year (%)	30.52
Growth in Export delivery value Year-on-year (%)	7.8

Chinese lighting manufacturing production in 2011 (Sorted by City/Province)

Chinese lighting manufacturing production in 2011 (Sorted by City/Province)		
City/Province	Electric Light Source(Ten Thousand Unit)	Lamps and Lighting Devices(Set, Unit)
Total	1,961,484	2,523,507,649
Zhejiang	342,171	1,069,914,809
Guangdong	431,773	868,887,592
Chongqing	-	238,650,441
Shanghai	52,916	166,681,257
Jiangxi	65,806	44,637,347
Jiangsu	478,842	38,753,370
Anhui	75,637	33,240,965
Fujian	66,500	20,028,217
Shandong	160,847	16,891,163
Hubei	39,325	11,046,189

Chinese lighting manufacturing production in 2011 (Sorted by City/Province)

City/Province	Electric Light Source(Ten Thousand Unit)	Lamps and Lighting Devices(Set, Unit)
Beijing	4,181	4,223,745
Sichuan	46,769	3,975,668
Henan	84,779	1,547,151
Tianjin	-	1,528,833
Liaoning	40,323	998,553
Hunan	21,039	910,878
Jilin	-	492,337
Shanxi	240	452,875
Hebei	50,300	255,496
Guangxi	10	213,534
Guizhou	24	143,291
Shanxi	-	27,140
Heilongjiang	-	4,090
Inner Mongolia	-	2,708

Chinese lighting manufacturing production in 2011 (Sorted by Products)

Product Name	Production Quantity	Growth in Production Quantity Year-on-year (%)
Electric Light Source(Billion Unit)	19.61	4
#. Incandescent Lamp(Billion Unit)	4.17	3.8
#. Fluorescent Lamp(Billion Unit)	3.32	-1.4
Lamps and Lighting Devices(Billion Set(Unit))	2.52	6.4

(Data Source:Chinabaogao.com)

2. 2011 Chinese LED lamps (HS: 94054090) exports

With governments around the world vigorously supporting and promoting its production and sales, the LED lighting industry witnessed a rapid development in 2011. The global annual demand of lighting sets has reached 12 billion, becoming the largest consumption of electric products. The unexpected rise in the price of Phosphor bizarre has led to the increase in the cost of fluorescent lamps; meanwhile, the manufacturing technology of LED lights has made substantial progress, which in turn has reduced the cost rapidly. During the end of 2011 and early 2012, Q2 witnessed an estimated drop of up to 30-50%. Besides, the problem of nuclear power in Japan after the earthquake has created an increased demand for LED lamps in the post-earthquake reconstruction.

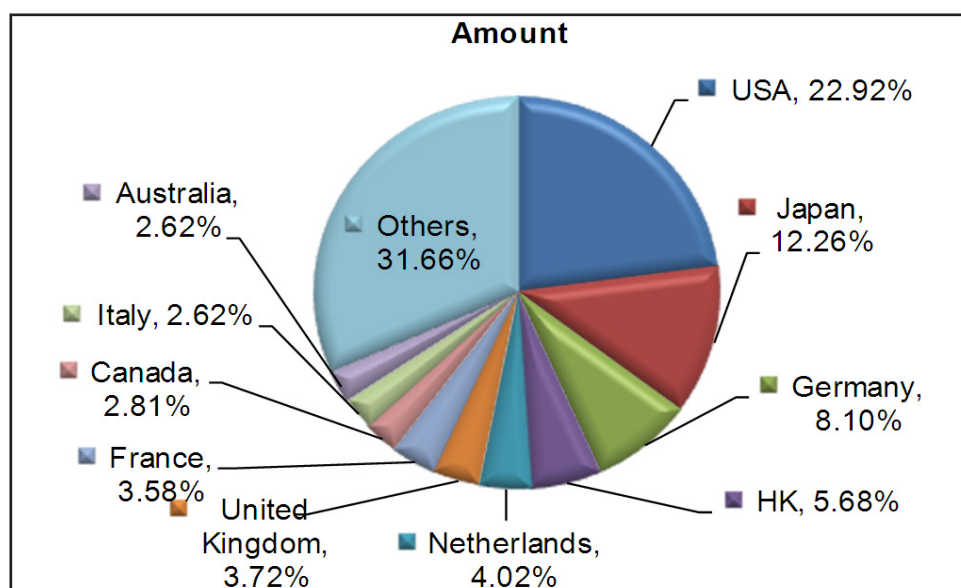
• Export Quantity & Value of Chinese LED lamps (HS: 94054090) in 2011

Month	2011		Year on Year(±%)	
	Export Quantity(kg)	Export Value(USD)	Quantity	Value
Jan.	56,301,756	382,567,744	42.2	50
Feb.	26,561,793	228,832,551	-24	0.2
Mar.	38,663,891	340,514,534	18.5	48.7
Apr.	39,259,004	351,918,751	-1.3	35.4
May	36,269,093	338,621,557	-23.4	22
Jun.	35,169,149	347,072,107	-31	29.4
Jul.	40,727,226	398,881,490	-23.7	33.4
Aug.	46,464,332	464,338,635	-13.6	45.4
Sep.	38,257,688	422,740,533	-22.5	28.5
Oct.	31,302,062	358,901,795	-23.3	29.2
Nov.	33,035,607	408,842,274	-25.1	31.9
Dec.	39,157,663	453,194,540	-26.3	27.4
Total	461,169,264	4,496,426,511	-14.6	31.9

• Major importers of Chinese LED lamps (HS: 94054090) in 2011(Sorted by Value)

No.	Country/Region	2011		Year on Year(±%)	
		Import Quantity(kg)	Import Value(USD)	Quantity	Value
1	USA	127,809,849	1,030,756,993	-2.7	19.7
2	Japan	12,497,244	551,249,921	76.2	195
3	Germany	25,401,181	364,422,713	-3.4	42.3
4	HK	14,922,240	255,453,099	-60.2	39.2
5	Netherlands	18,124,343	180,774,361	0.4	14.9
6	United Kingdom	20,453,663	167,158,718	-13.1	7.4
7	France	17,279,789	161,028,951	-7.7	7.3
8	Canada	16,803,954	126,420,371	-3.3	12.8
9	Italy	9,586,215	117,989,147	-17.2	11.9
10	Australia	11,407,573	117,599,840	-10.6	23.8
11	Russian Federation	14,360,140	112,432,199	9.6	74.8
12	Belgium	10,498,242	92,993,350	-23.7	-9.4

No.	Country/Region	2011		Year on Year(±%)	
		Import Quantity(kg)	Import Value(USD)	Quantity	Value
13	Spain	8,501,210	89,541,410	-14.9	21
14	Turkey	4,726,554	68,151,821	12.7	59.9
15	Poland	7,375,113	60,832,976	7.3	31.3
16	Mexico	5,512,872	51,300,881	-14.6	31.1
17	Brazil	5,428,687	50,332,963	-42.7	50.2
18	Sweden	4,790,399	47,260,762	-8.9	15
19	Taiwan, China	2,043,500	46,917,764	16.3	58.1
20	United Arab Emirates	7,387,472	37,609,919	-9.4	14.9



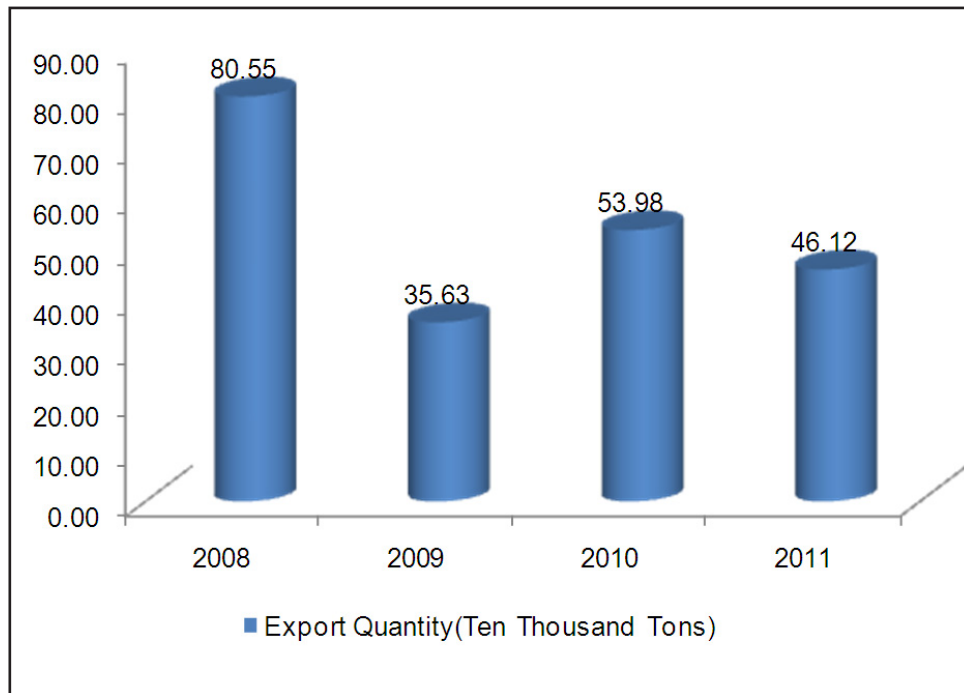
● Major Cities/Provinces of Chinese LED lamps (HS: 94054090) export in 2011(Sorted by Value)

No.	City/Province	2011		Year on Year(±%)	
		Export Quantity(kg)	Export Value(USD)	Quantity	Value
1	Guangdong	174,852,849	1,934,425,581	-30.6	25.8
2	Zhejiang	193,305,365	1,414,625,945	-4.9	26.6
3	Jiangsu	27,936,488	355,786,893	12.9	58.7
4	Shanghai	25,601,108	302,980,103	16.7	42.4
5	Fujian	23,520,798	237,495,569	1.3	41.7
6	Liaoning	1,541,015	104,508,864	211	185.9
7	Shandong	6,907,855	45,058,596	15.4	10.2
8	Tianjin	622,208	18,819,728	-18.8	107.4
9	Shanxi	508,375	13,996,197	46.1	57.1
10	Beijing	976,653	12,239,600	-12.1	13.5

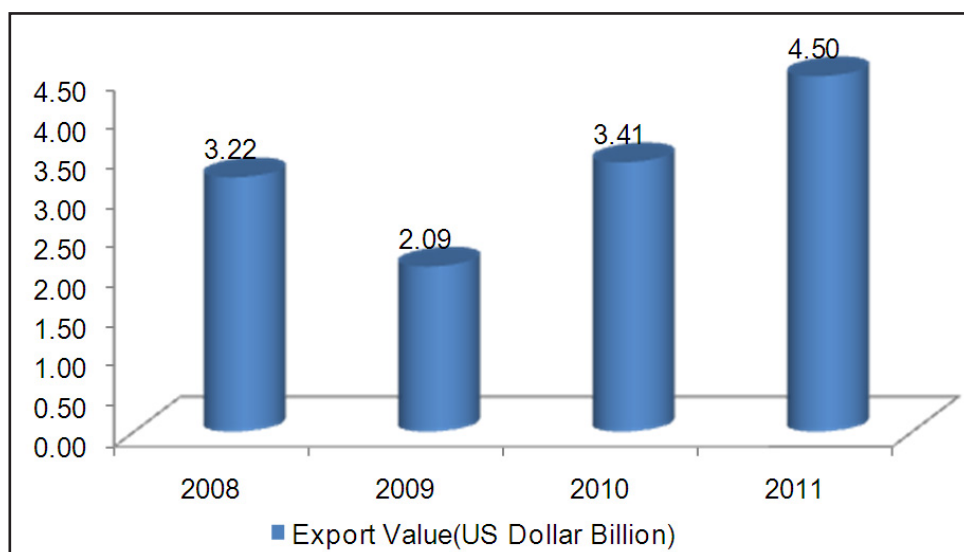
3. 2008-2011 Chinese LED lamps (HS: 94054090) export trend analysis

At present, there are around 8000 LED companies in China, of which 80% are export-oriented. Under the influence of the economic crisis in Europe, the slump of the U.S. economic and many other factors, orders for LED has been declining since the second half of 2011.

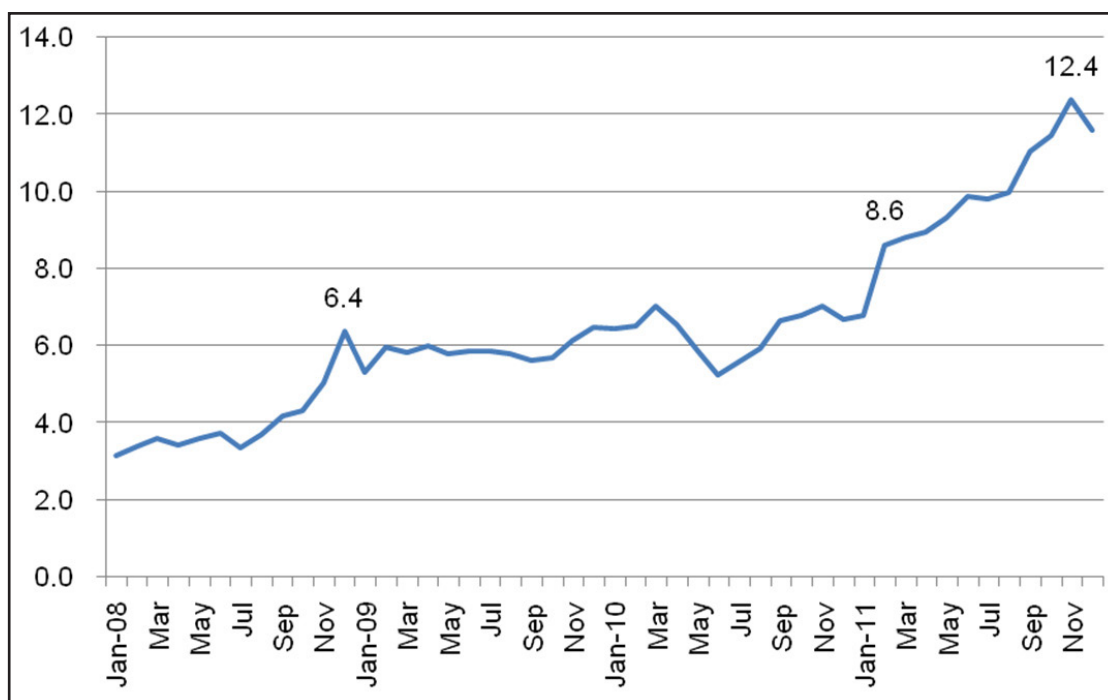
2008-2011 Chinese LED lamps export quantity



2008-2011 Chinese LED lamps export value



2008-2011 Chinese LED lamps average export unit price (USD/KG)



2008-2011 Chinese LED lamps export markets trend analysis

- Major Chinese LED lamps Importers from 2008 to 2011.

No.	Countries/Regions	Import Value(US Dollar Billion)				Amount in 2011 Compared with 2008 (%)
		2011	2010	2009	2008	
1	USA	10.31	8.61	5.04	7.25	42.20%
2	Japan ↑	5.51	1.87	0.67	0.55	906.60%
3	Germany	3.64	2.56	1.62	1.9	91.70%
4	HK	2.55	1.84	0.85	1.27	101.20%
5	Netherlands ↑	1.81	1.57	1.22	0.95	90.30%
6	United Kingdom	1.67	1.56	1.06	1.35	24.10%
7	France	1.61	1.5	0.8	0.82	97.00%
8	Canada	1.26	1.12	0.69	1.03	22.90%
9	Italy	1.18	1.05	0.67	0.7	68.20%
10	Australia	1.18	0.95	0.63	0.72	62.30%

- The Market Share of The Major Chinese LED lamps Importers from 2008 to 2011.

No.	Country/Region	Market Share			
		2011	2010	2009	2008
1	USA	22.9%	25.3%	24.1%	22.5%
2	Japan ↑	12.3%	5.5%	3.2%	1.7%
3	Germany	8.1%	7.5%	7.8%	5.9%
4	HK ↑	5.7%	5.4%	4.1%	3.9%

No.	Country/Region	Market Share			
		2011	2010	2009	2008
5	Netherlands	4.0%	4.6%	5.8%	2.9%
6	United Kingdom	3.7%	4.6%	5.1%	4.2%
7	France	3.6%	4.4%	3.9%	2.5%
8	Canada	2.8%	3.3%	3.3%	3.2%
9	Italy	2.6%	3.1%	3.2%	2.2%
10	Australia	2.6%	2.8%	3.0%	2.2%

Note: "↑" indicates that the index grow continuously from 2008 to 2011.

4. LED Lighting Industry in Emerging Markets Analysis (Japan)

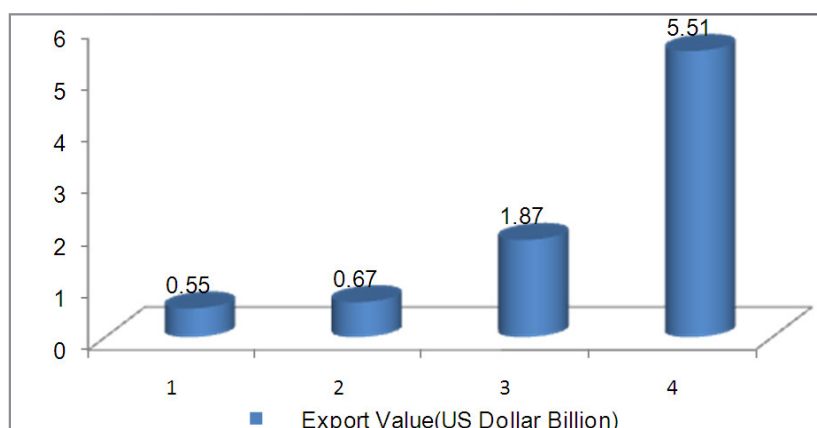
Affected by the 311 earthquake, there has been a surge in demand for LED lamps in Japan. LED light bulb sales in Japan in December 2011 rocketed up by 63 percent compared to the same month in 2010, and in the case of ceiling lights number was up 58% over the same month of previous year.

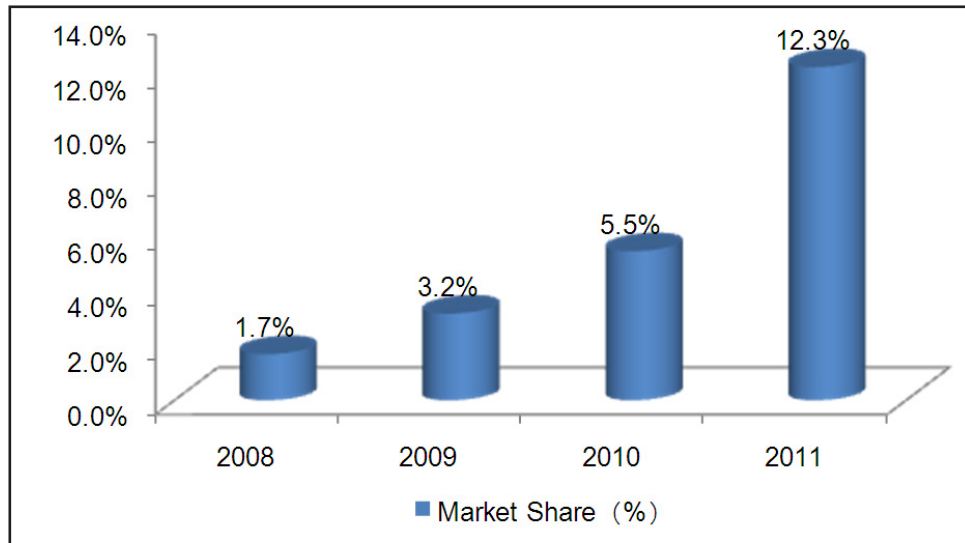
During the Fourth Next-generation Lighting Technology Exhibition organized by Reed Exhibitions Japan (Lighting Japan), Toshiba director and LED Business Minister Koji Sato said the original estimate of Japan LED light bulb market size was about 22 million lights, but the 311 earthquake had accelerated the popularization of LED lighting, LED bulbs sales in the last year was up to 31 million, with an increase of more than 40%. In 2011, the monthly sales of Toshiba LED bulbs rose from 2.8 million in June, to 4.8 million in December, and the annual growth rate had as much as three-fold.

Japanese retail research firm GfK Japan revealed the sales data of 4,000 home appliance hypermarkets, which indicated that in December 2011, Japan LED light bulb sales rocketed up by 63% compared to the same month in 2010, accounting for 37% of the whole bulb sales, a new record since July 2010.

● Chinese LED lamps Export data for Japan in 2011(HS:94054090)

Month	2011		Year on Year(±%)	
	Quantity(kg)	Amount(USD)	Quantity	Amount
Jan.	638,515	19,663,805	36.8	139
Feb.	414,894	17,165,581	5.5	128.8
Mar.	562,440	19,134,138	21.3	79
Apr.	764,519	23,716,693	41.5	100.2
May	846,240	25,114,555	37.5	59.6
Jun.	1,034,225	41,989,598	64.9	148.7
Jul.	1,350,194	57,733,000	110.8	236
Aug.	1,540,611	76,737,827	193.5	388.7
Sep.	1,469,497	78,203,979	108.5	303.7
Oct.	1,361,027	70,289,753	77	261.7
Nov.	1,381,565	72,938,398	104.3	247.2
Dec.	1,133,517	48,562,594	68.9	108.4
Total	12,497,244	551,249,921	76.2	195





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