

“Il mercato mondiale degli apparecchi per illuminazione: il posizionamento competitivo della industria italiana”

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CSIL Centre for Industrial Studies: an overview

WHO WE ARE

Founded in Milan (Italy) in 1980, the Centre for Industrial Studies (CSIL) is an independent research and consulting company specialized in applied economic research, market analysis, SMEs economics, evaluation of public investment projects and development policies.

WHAT WE DO

The research activities at CSIL are structured around two distinct but interrelated business areas:

- **Industry Studies and Market Research**
- **Development and Evaluation Studies**

Consistency and complementarity are ensured by: a common statistical office and a scientific committee providing quality control over the methodological approach.

OUR VISION

CSIL pursues an empirical and experimental perspective, based on the direct observation of evidence with a concrete and versatile approach. CSIL experts pursue their work with intellectual integrity and a genuine passion for understanding growth and innovation processes.



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- Founding Partner and President of the Scientific Committee of CSIL.
- MSc in Business Administration.
- Over 30 years of working experience in the field of competitiveness assessment, market performance analysis, industry benchmarking
- Customized and multiclient market research in Europe, Russia, Turkey, China, India, Japan, United States, Latin America, Middle East, Africa.

LAB | the Laboratory Innovation unit

Provides market research and business intelligence services. It mainly focus on the lighting supply chain (including LEDs, lighting fixtures and related business), KBA (kitchen furniture, bathroom fittings, appliances) and eco-building issues.

1. Il mercato mondiale della illuminazione

1.1 Dati di base

Il mercato mondiale degli apparecchi di illuminazione per il 2015 è stimato da CSIL pari a 79 miliardi di Euro (88 miliardi di Dollari).

La forte oscillazione del cambio Euro-Dollaro rende complessa una valutazione degli andamenti:

- In dollari, tra il 2010 e il 2015 la crescita è stata pari al 28% (in Dollari) e sostanzialmente nulla nel 2015
- In Euro (ricordiamo che il cambio con il dollaro si aggira intorno ad 1.3 fra il 2010 ed il 2014, ma cade ad 1.3 nel 2015) la variazione quinquennale sfiora il 50%, ed il 2015 sull'anno precedente mostra una crescita (sostanzialmente nominale) del 20%.

Nel dettaglio, migliore è stata la performance per la illuminazione professionale (circa il 32% di crescita in dollari su base quinquennale).

Un poco di più il professionale indoor (Retail, Office, Hospitality...) un poco meno l'illuminazione Industriale e per Esterni.

Csil prevede per il 2020 un mercato mondiale nell' ordine dei i 108 miliardi di Dollari.

L'Italia è il sesto produttore mondiale di apparecchi di illuminazione, il quinto esportatore, il decimo mercato mondiale in valore. In termini di saldo algebrico fra esportazioni ed importazioni (esportazioni nette), l'Italia occupa la terza posizione mondiale, dopo Cina e Messico.

TABLE 1.1 Production and consumption of lighting fixtures, 2015: focus on 66 countries. EUR million.
 Comparison with macro indicators. Ranking by production

Country	Prod EUR Million	Cons EUR Million	Pop Million	GNP EUR Billion	GNP Ppc EUR
China	38,758	14,629	1,371	9,665	7,049
United States	10,461	17,758	321	15,919	49,593
Japan	5,144	5,942	127	4,196	33,040
Mexico	3,111	1,937	127	1,112	8,757
Germany	2,951	3,028	81	3,360	41,479
Italy	2,386	1,607	61	1,797	29,460
South Korea	2,056	1,928	51	1,252	24,545
India	1,674	2,189	1,311	1,878	1,433
United Kingdom	1,587	2,794	65	2,544	39,141
Brazil	1,462	1,651	208	1,845	8,869
Poland	1,048	942	38	458	12,048
France	960	1,709	67	2,443	36,466
Russia	902	1,426	144	1,504	10,445
Taiwan	788	576	23	433	18,808
Turkey	644	878	79	706	8,932
Spain	638	859	46	1,193	25,940
Canada	602	1,519	36	1,535	42,633
Austria	540	477	9	366	40,655
Malaysia	502	508	30	289	9,643
Indonesia	499	555	258	799	3,098
Philippines	484	506	101	322	3,186
Argentina	399	459	43	528	12,282
Thailand	389	525	68	344	5,063
Czech Republic	382	298	11	171	15,567
South Africa	371	467	55	300	5,457
Denmark	333	357	6	300	50,018
Colombia	324	394	48	310	6,459
Sweden	300	607	10	510	51,009
Egypt	268	352	92	276	2,998
Netherlands	260	539	17	747	43,948
Belgium	256	463	11	452	41,047
Finland	252	345	5	229	45,782
Hungary	251	231	10	115	11,536
Venezuela	249	308	31	322	10,379
Romania	212	272	20	169	8,472
Morocco	155	233	34	96	2,810
Australia	144	914	24	1,288	53,660
Saudi Arabia	143	619	32	670	20,925
Chile	141	306	18	227	12,617
Slovakia	134	163	5	85	16,943
Israel	133	312	8	268	33,458
Greece	132	184	11	198	18,025
Portugal	132	170	10	191	19,106
Algeria	96	172	40	174	4,348
Vietnam	94	686	92	164	1,783
Ukraine	94	189	45	101	2,243
Bulgaria	91	98	7	47	6,695
Estonia	86	63	1	22	21,629
Slovenia	83	89	2	42	21,179
Tunisia	80	84	11	40	3,605
Kazakhstan	79	124	18	183	10,164
New Zealand	57	188	5	166	33,165
Ireland	47	151	5	196	39,113
Belarus	47	70	10	55	5,497
Singapore	46	217	6	260	43,259
Lithuania	43	41	3	40	13,218
Lebanon	33	90	6	41	6,909
United Arab Emirates	33	883	9	356	39,554
Croatia	29	76	4	49	12,167
Bahrain	27	49	1	25	25,234
Norway	24	388	5	439	87,779
Kuwait	23	130	4	143	35,824
Oman	17	88	4	68	17,123
Switzerland	17	561	8	629	78,632
Qatar	16	197	2	172	86,067
Jordan	8	62	8	32	4,056
Total	83,728	76,629	5,419	64,855	11,968

Source: CSIL processing of official data

TABLE 1.2 Worldwide market. Consumption of total lighting fixtures, 2010-2015 estimated data and 2016-2020 forecasts. EUR million

	EUR million										
	2010	2011	2012	2013	2014	2015	2016*	2017**	2018**	2019**	2020**
North America	11,929	11,731	13,808	14,047	15,013	19,277	19,572	19,900	20,335	20,714	21,022
Of which:											
- United States	10,880	10,692	12,626	12,863	13,770	17,758	18,038	18,345	18,750	19,099	19,379
- Canada	1,050	1,039	1,182	1,185	1,242	1,519	1,534	1,554	1,585	1,615	1,643
West Europe	11,830	12,121	12,435	12,548	13,287	14,240	14,476	14,574	14,800	15,008	15,200
China	8,662	9,070	10,810	11,199	11,968	14,629	15,808	16,884	18,119	19,411	20,738
Japan	4,930	4,693	5,602	5,197	5,138	5,942	5,954	5,930	5,936	5,951	5,914
Asia and Pacific	3,558	3,717	4,344	4,548	4,987	6,601	6,873	7,131	7,458	7,798	8,150
Of which:											
- Asia and Pacific (a)	2,214	2,309	2,660	2,773	2,971	3,822	3,924	4,016	4,142	4,269	4,394
- Asia and Pacific (b)	1,344	1,409	1,684	1,776	2,016	2,780	2,949	3,116	3,316	3,530	3,756
Latin America	3,567	3,734	4,234	4,284	4,230	5,055	4,982	5,017	5,128	5,265	5,406
CE Europe	1,707	1,815	1,894	1,985	2,101	2,273	2,351	2,418	2,499	2,576	2,649
Russia and other CIS Countries	1,475	1,548	1,820	1,890	1,717	1,809	1,786	1,792	1,815	1,844	1,875
Middle East	1,054	1,137	1,519	1,783	2,131	2,429	2,484	2,539	2,622	2,706	2,789
India	1,208	1,272	1,394	1,511	1,660	2,189	2,394	2,601	2,847	3,117	3,413
Africa	872	844	974	1,048	1,075	1,308	1,335	1,368	1,418	1,479	1,543
Turkey	542	632	644	685	684	878	911	936	970	1,006	1,043
66 Countries	51,336	52,316	59,478	60,726	63,993	76,629	78,927	81,090	83,947	86,875	89,742
Exports from China to Rest of the World	435	514	624	1,037	1,705	2,406	2,635	2,865	3,137	3,398	3,675
Worldwide market	51,771	52,830	60,101	61,764	65,698	79,035	81,561	83,955	87,084	90,272	93,417

Source: CSIL processing

(*) 2016: average exchange rate EUR-USD for the period January-September 2016

(**) 2017-2020: exchange rate EUR-USD estimate by IMF

TABLE 1.3 Worldwide market. Consumption of total lighting fixtures by segment, 2010-2015 estimated data and 2016-2020 forecasts. EUR million, % share in value and % annual change

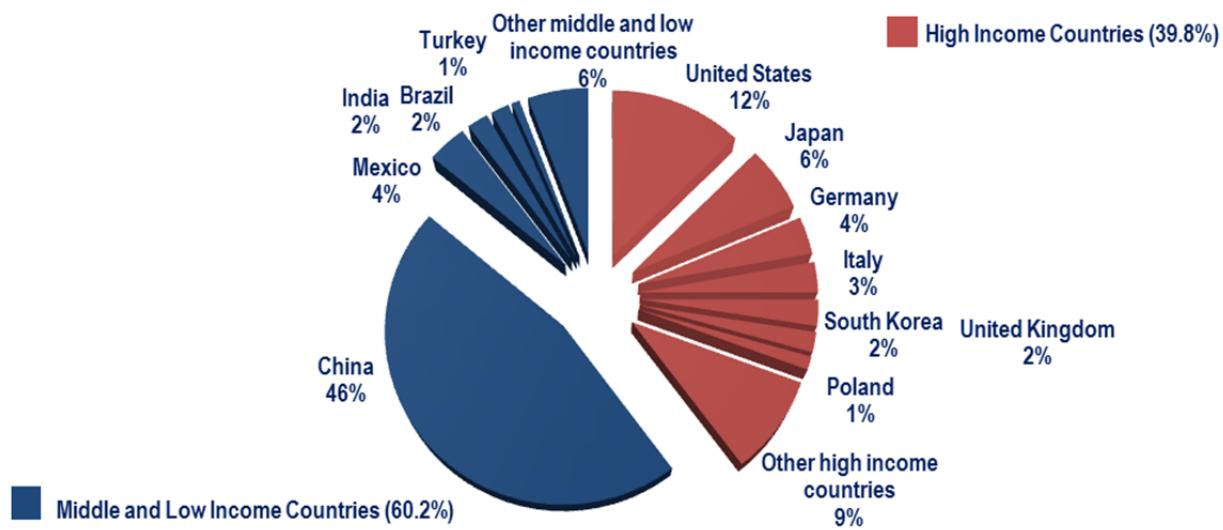
	2010	2011	2012	2013	2014	2015	2016*	2017**	2018**	2019**	2020**
EUR million											
Residential	16,529	16,598	18,207	18,678	19,872	23,572	24,158	24,689	25,434	26,167	26,877
Commercial	16,414	16,750	19,653	20,382	21,615	26,872	27,894	28,797	30,218	31,595	32,696
Industrial	7,317	7,649	8,653	8,498	8,444	10,255	10,179	10,320	10,532	10,664	11,144
Outdoor	11,511	11,833	13,588	14,206	15,768	18,336	19,330	20,149	20,900	21,846	22,700
Worldwide market	51,771	52,830	60,101	61,764	65,698	79,035	81,561	83,955	87,084	90,272	93,417
% share in value											
Residential	31.9	31.4	30.3	30.2	30.2	29.8	29.6	29.4	29.2	29.0	28.8
Commercial	31.7	31.7	32.7	33.0	32.9	34.0	34.2	34.3	34.7	35.0	35.0
Industrial	14.1	14.5	14.4	13.8	12.9	13.0	12.5	12.3	12.1	11.8	11.9
Outdoor	22.2	22.4	22.6	23.0	24.0	23.2	23.7	24.0	24.0	24.2	24.3
Worldwide market	100.0										
% annual change											
Residential	12.4	0.4	9.7	2.6	6.4	18.6	2.5	2.2	3.0	2.9	2.7
Commercial	15.1	2.0	17.3	3.7	6.0	24.3	3.8	3.2	4.9	4.6	3.5
Industrial	15.3	4.5	13.1	-1.8	-0.6	21.5	-0.7	1.4	2.1	1.3	4.5
Outdoor	15.6	2.8	14.8	4.5	11.0	16.3	5.4	4.2	3.7	4.5	3.9
Worldwide market	14.4	2.0	13.8	2.8	6.4	20.3	3.2	2.9	3.7	3.7	3.5

Source: CSIL processing

(*) 2016: average exchange rate EUR-USD for the period January-September 2016

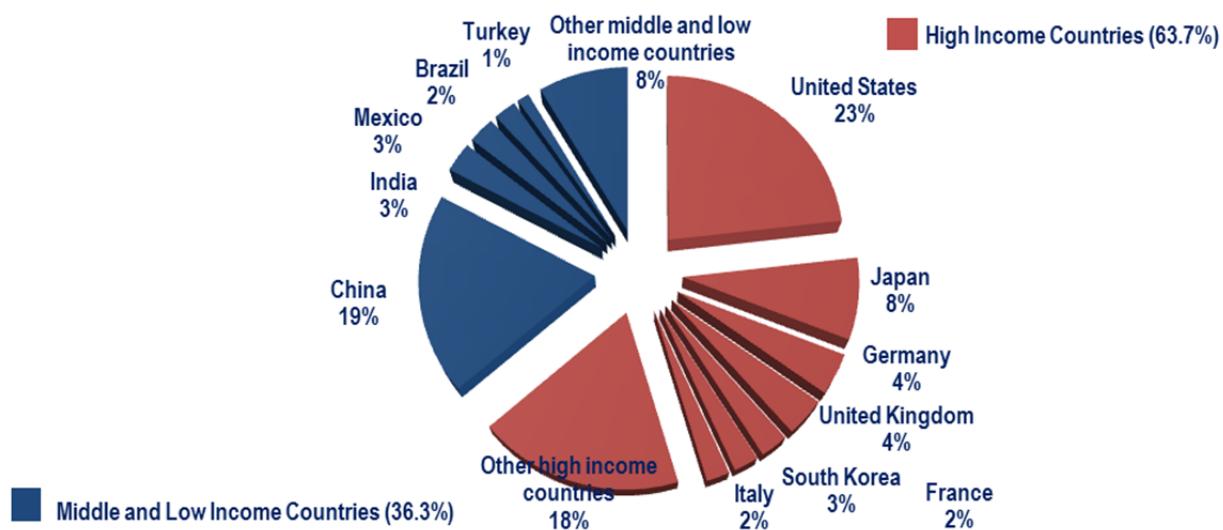
(**) 2017-2020: exchange rate EUR-USD estimate by IMF

FIGURE 1.1 World production of lighting fixtures, 2015: High Income countries and Middle and Low Income countries. % values



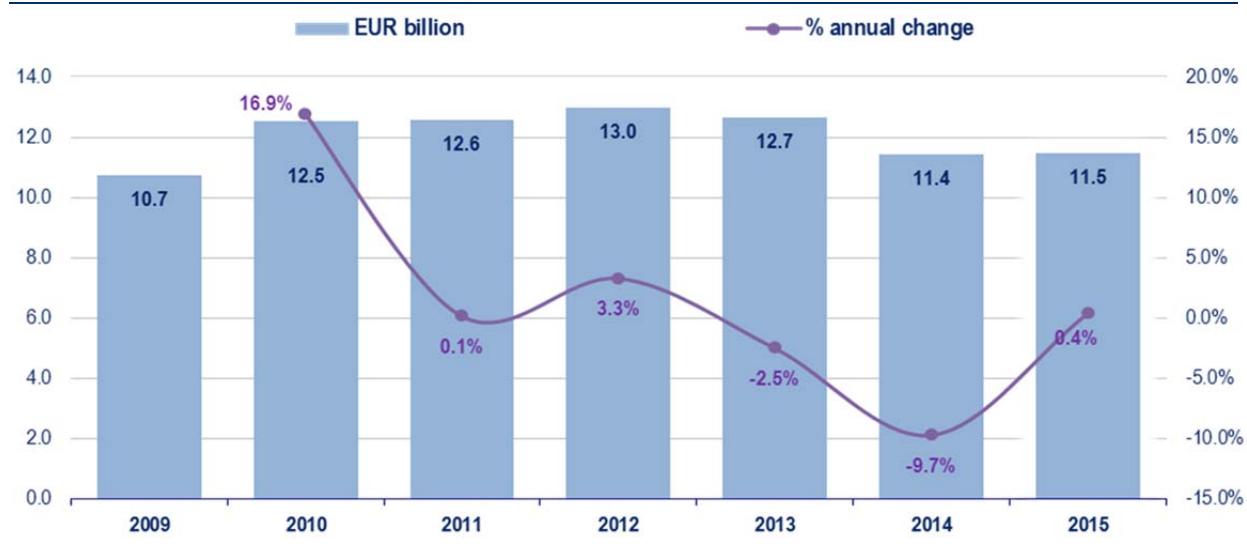
Source: CSIL processing

FIGURE 1.2 World consumption of lighting fixtures, 2015: High Income countries and Middle and Low Income countries. % values



Source: CSIL processing

FIGURE 1.3 World Trade of lamps, 2009-2015. EUR billion and % annual change



Source: CSIL processing on 66 countries available statistics

2. Evoluzione della tecnologia LED

Il settore della Illuminazione è stato caratterizzato nei dieci anni passati dal rapido cambio dalle fonti di illuminazione tradizionali ai LED.

Altre sfide ci attendono per i prossimi anni, e proveremo a riassumerle nell'ultimo paragrafo di questo Report.

L'illuminazione LED pesava appena il 5%-6% del mercato mondiale nel periodo 2008-2009.

Nell'anno 2015 la quota raggiunge il 40% e presumibilmente, sempre secondo CSIL, dovrebbe superare il 65% nel 2020.

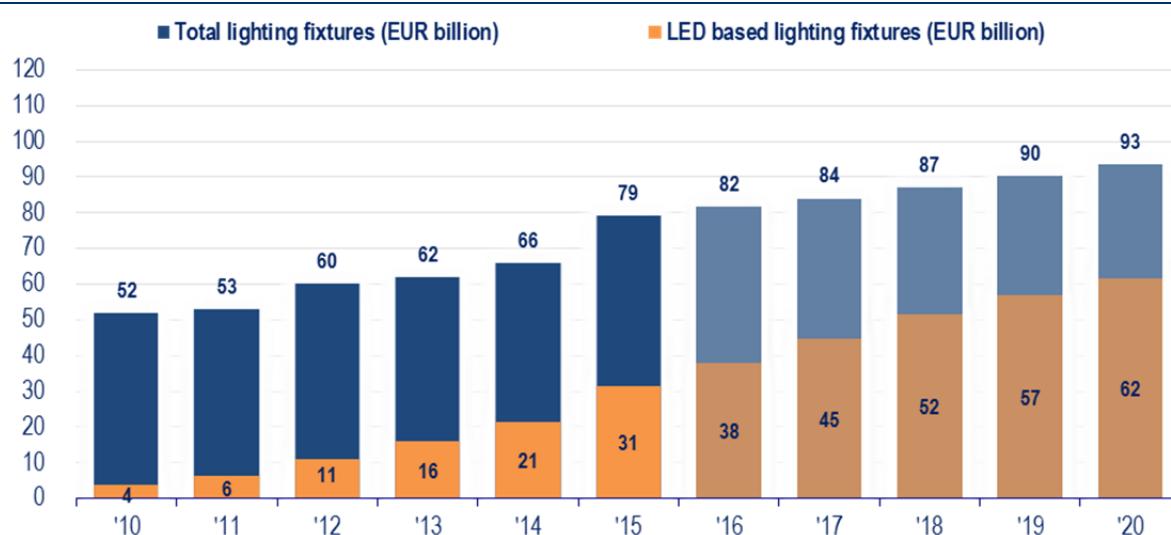
In termini di valore, il mercato LED dell'illuminazione oggi vale circa 35 miliardi di dollari.

La crescita prevista da CSIL per il periodo 2016-2020 si aggira intorno al 4.0%-4.5% ma questo numero sintetico "nasconde" una previsione del 30% per gli apparecchi a fonte luminosa Convenzionale ed una crescita annua del 15% per la illuminazione a LED.

Rispetto a tale dato "medio", la quota del LED per l'illuminazione residenziale è notoriamente minore (ma viceversa maggiore sarà il tasso di penetrazione). La quota già oggi costituita da LED è maggiore per gli Esterni.

I LED hanno profondamente cambiato le prestazioni dei prodotti ma anche la loro morfologia, basti pensare a titolo esemplificativo ai trunking systems per la grande distribuzione ed i magazzini industriali, i pannelli LED per gli uffici, gli undercabinet per l'illuminazione residenziale e per il Retail.

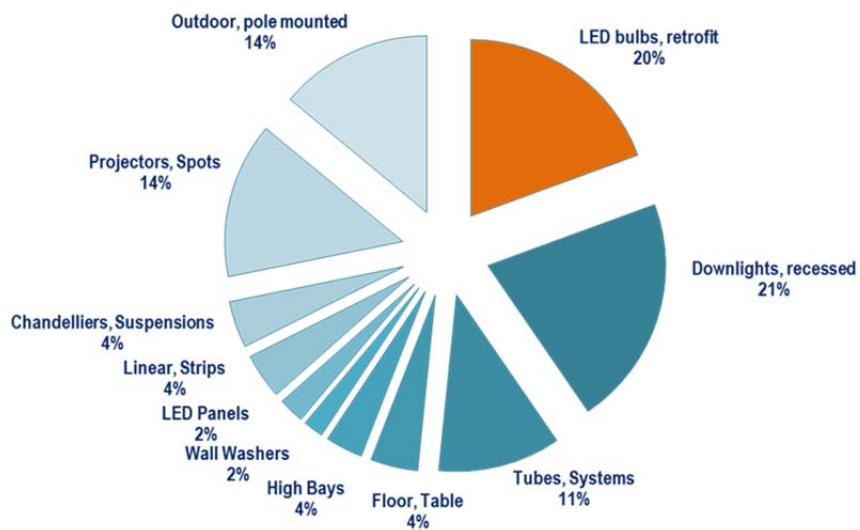
FIGURE 2.1 Worldwide market. Consumption of total lighting fixtures and LED based lighting fixtures, 2010-2015 estimated data and 2016-2020 forecasts. EUR billion



Source: CSIL processing

2.1 Focus on products: a breakdown of the market

FIGURE 2.2 Worldwide market. Consumption of LED based lighting by main products, 2015. % share in values



Source: CSIL processing data

3. Il mercato europeo della illuminazione

3.1 Dati di base

Il mercato Europeo degli apparecchi di illuminazione viene valutato pari a circa 14 miliardi di Euro per l'anno 2015, con una crescita del 7,2% rispetto all'anno precedente.

Si tratta per circa 9 miliardi di Euro di illuminazione professionale, cui si somma illuminazione consumer (residenziale) per circa 5 miliardi.

Nel 2015 il segmento di attività maggiormente dinamico è risultato essere quello della illuminazione commerciale, dizione convenzionale che raggruppa l'illuminazione Hospitality, Retail, per Uffici, Entertainment, Arte & Musei, scuole ed altre infrastrutture indoor.

Le esportazioni Europee di apparecchi per illuminazione sono destinate in prima battuta al mercato interno: circa l'80% delle stesse nel 2010, circa il 75% a distanza di cinque anni (2015).

Tutte le altre grandi aree geografiche hanno registrato nel periodo 2010-2015 forti incrementi: oltre il 15% medio annuo l'America, oltre il 10% il Medio Oriente, quasi il 10% medio annuo l'Asia.

TABLE 3.1 Europe. Technical* lighting fixtures. Production, international trade and consumption by country, 2015. EUR Million and percentage annual changes

Country	Production		Exports		Imports		Consumption	
	EUR Million	15/14 % changes						
Austria	383	-3.8	545	-9.8	433	-8.8	271	0.7
Belgium	213	-3.4	337	7.4	392	15.4	269	8.7
Denmark	262	3.4	308	13.2	247	16.6	201	4.1
Finland	200	-5.3	140	4.4	167	9.2	227	-1.2
France	932	-0.1	529	7.1	818	11.6	1,221	4.2
Germany	2,138	7.3	2,113	3.1	1,715	-0.9	1,740	3.9
Greece	103	18.3	26	4.5	58	12.5	134	18.7
Ireland	25	0.7	26	8.8	95	26.4	94	23.6
Italy	1,447	5.7	1,081	9.2	517	12.9	883	5.6
Netherlands	254	-0.4	668	5.7	771	10.9	358	12.1
Norway	18	-52.2	67	8.9	281	15.4	232	5.8
Portugal	72	-3.9	73	0.7	70	11.7	69	6.0
Spain	423	-27.8	524	14.9	581	60.8	481	-2.2
Sweden	235	11.6	205	0.5	379	13.1	409	19.7
Switzerland	9	-80.0	80	-4.2	413	17.5	342	9.1
United Kingdom	1,252	11.3	437	14.8	1,155	20.6	1,969	15.7
Europe	7,965	1.8	7,157	5.3	8,093	11.8	8,900	7.7

Source: CSIL processing

(*) commercial + industrial + outdoor lighting fixtures

TABLE 3.2 Europe. Consumption of lighting fixtures by segment, 2014 and 2015. EUR Million and % changes

	Lighting fixtures consumption			15/14 % changes
	EUR Million 2014	EUR Million 2015		
Residential	5,024	5,340		6.3
Commercial	3,905	4,296		10.0
Industrial	1,678	1,796		7.0
Outdoor	2,680	2,809		4.8
Total	13,287	14,240		7.2

Source: CSIL process

TABLE 3.3 Europe. Exports of lighting fixtures by country of destination, 2010-2015

Country	EUR Million						% share		% annual changes	
	2010	2011	2012	2013	2014	2015	2010	2015	15/14	Av. 10/15
Austria	650.8	749.7	720.1	882.6	980.0	905.2	9.0	9.1	-7.6	6.8
Belgium	568.1	554.5	494.4	512.8	432.9	450.8	7.8	4.5	4.1	-4.5
Denmark	199.9	255.8	288.8	271.9	347.2	390.7	2.8	3.9	12.6	14.3
Finland	122.1	129.1	132.0	127.7	153.3	158.7	1.7	1.6	3.5	5.4
France	610.0	680.0	696.3	674.2	697.6	745.8	8.4	7.5	6.9	4.1
Germany	2,031.9	2,259.3	2,353.8	2,412.6	2,628.4	2,782.3	28.0	28.0	5.9	6.5
Greece	28.2	32.7	64.9	30.6	39.6	38.7	0.4	0.4	-2.2	6.5
Ireland	29.1	33.4	34.0	41.3	40.1	46.9	0.4	0.5	17.0	10.0
Italy	1,300.6	1,402.9	1,423.9	1,482.0	1,532.7	1,633.0	17.9	16.5	6.5	4.7
Netherlands	470.0	554.2	632.0	722.7	756.7	812.4	6.5	8.2	7.4	11.6
Norway	82.7	80.0	98.1	101.9	109.7	112.7	1.1	1.1	2.7	6.4
Portugal	68.1	81.1	92.9	93.9	100.4	102.7	0.9	1.0	2.3	8.6
Spain	355.3	417.6	483.1	536.8	624.2	706.1	4.9	7.1	13.1	14.7
Sweden	272.0	279.7	311.4	316.8	322.5	324.6	3.7	3.3	0.7	3.6
Switzerland	89.3	102.9	96.0	105.0	106.6	103.9	1.2	1.0	-2.6	3.1
United Kingdom	380.2	444.2	513.5	488.6	496.7	605.8	5.2	6.1	22.0	9.8
Europe	7,258.1	8,057.2	8,435.0	8,801.5	9,368.8	9,920.4	100.0	100.0	5.9	6.4

Source: CSIL processing of official data

TABLE 3.4 Europe. Exports of lighting fixtures by geographical area of destination, 2010-2015

Geographical area	EUR Million						% share		% annual changes	
	2010	2011	2012	2013	2014	2015	2010	2015	15/14	Av. 10/15
Americas	348.0	416.4	499.3	560.6	630.9	748.4	4.8	7.5	18.6	16.6
- North America	260.9	309.7	359.2	403.1	469.8	571.9	3.6	5.8	21.7	17.0
- Central-South America	87.0	106.7	140.1	157.5	161.0	176.5	1.2	1.8	9.6	15.2
Asia and Pacific	491.1	542.4	623.0	616.1	666.0	747.1	6.8	7.5	12.2	8.8
Europe	5,838.4	6,462.0	6,539.0	6,799.5	7,128.7	7,492.1	80.4	75.5	5.1	5.1
- European Union (15)	4,286.5	4,637.8	4,660.2	4,807.3	5,059.8	5,443.3	59.1	54.9	7.6	4.9
- New EU Members (13)	681.3	806.9	741.5	777.0	898.2	934.5	9.4	9.4	4.0	6.5
- Enlarged EU (28)	4,967.8	5,444.6	5,401.7	5,584.3	5,957.9	6,377.8	68.4	64.3	7.0	5.1
- Norway and Switzerland	488.9	572.4	635.2	674.9	698.7	756.5	6.7	7.6	8.3	9.1
- Other Europe	381.7	445.0	502.1	540.3	472.1	357.8	5.3	3.6	-24.2	-1.3
Middle East	374.3	436.9	538.6	585.2	684.8	681.0	5.2	6.9	-0.6	12.7
Africa	205.8	199.3	234.5	236.3	255.0	248.5	2.8	2.5	-2.6	3.8
Other Countries	0.7	0.3	0.7	3.8	3.4	3.3	0.0	0.0	-0.3	38.1
Total	7,258.1	8,057.2	8,435.0	8,801.5	9,368.8	9,920.4	100.0	100.0	5.9	6.4

Source: CSIL processing of official data

TABLE 3.5 Europe. Imports of lighting fixtures by country of origin, 2010-2015

Country	EUR Million						% share		% annual changes	
	2010	2011	2012	2013	2014	2015	2010	2015	15/14	Av. 10/15
Austria	566.7	661.5	664.6	744.6	855.7	842.3	6.5	6.3	-1.6	8.2
Belgium	586.1	631.0	637.3	679.2	609.4	657.3	6.7	4.9	7.9	2.3
Denmark	226.5	265.3	278.9	289.7	351.7	414.8	2.6	3.1	18.0	12.9
Finland	203.6	217.2	238.3	223.6	236.4	251.6	2.3	1.9	6.4	4.3
France	1,195.7	1,240.2	1,304.6	1,297.4	1,337.0	1,494.3	13.7	11.2	11.8	4.6
Germany	1,767.8	1,966.1	2,231.2	2,398.0	2,764.9	2,859.4	20.2	21.4	3.4	10.1
Greece	111.7	84.8	61.9	64.2	81.8	91.0	1.3	0.7	11.3	-4.0
Ireland	91.8	84.5	88.3	92.6	116.3	151.0	1.0	1.1	29.9	10.5
Italy	588.9	639.9	621.9	629.4	742.4	854.4	6.7	6.4	15.1	7.7
Netherlands	663.9	795.1	962.9	977.9	976.1	1,090.9	7.6	8.2	11.8	10.4
Norway	275.1	310.2	368.5	392.9	427.1	477.4	3.1	3.6	11.8	11.7
Portugal	129.9	124.8	102.6	101.3	121.6	140.7	1.5	1.1	15.7	1.6
Spain	510.1	503.3	457.3	458.0	657.9	927.6	5.8	7.0	41.0	12.7
Sweden	379.7	413.7	460.0	483.2	544.0	632.2	4.3	4.7	16.2	10.7
Switzerland	414.7	479.9	517.2	557.1	566.8	647.8	4.7	4.9	14.3	9.3
United Kingdom	1,043.1	1,022.4	1,191.2	1,295.4	1,535.9	1,812.6	11.9	13.6	18.0	11.7
Europe	8,755.3	9,439.8	10,186.7	10,684.5	11,925.0	13,345.5	100.0	100.0	11.9	8.8

Source: CSIL processing of official data

TABLE 3.6 Europe. Imports of lighting fixtures by geographical area of origin, 2010-2015

Geographical area	EUR Million						% share		% annual changes	
	2010	2011	2012	2013	2014	2015	2010	2015	15/14	Av. 10/15
Americas	139.3	153.6	169.7	170.7	198.4	231.2	1.6	1.7	16.5	10.7
- North America	128.9	141.7	161.4	164.4	190.0	223.5	1.5	1.7	17.6	11.6
- Central-South America	10.4	11.9	8.3	6.3	8.4	7.7	0.1	0.1	-8.1	-5.7
Asia and Pacific	3,900.9	4,011.9	4,682.8	4,949.7	5,735.6	6,624.8	44.6	49.6	15.5	11.2
Europe	4,684.7	5,241.3	5,299.9	5,533.9	5,955.8	6,453.7	53.5	48.4	8.4	6.6
- European Union (15)	4,024.6	4,455.7	4,443.0	4,618.3	4,841.3	5,193.8	46.0	38.9	7.3	5.2
- New EU Members (13)	517.1	622.4	689.7	747.5	929.2	1,051.2	5.9	7.9	13.1	15.2
- Enlarged EU (28)	4,541.7	5,078.2	5,132.7	5,365.8	5,770.4	6,245.0	51.9	46.8	8.2	6.6
- Norway and Switzerland	102.6	121.1	116.0	117.7	115.0	120.7	1.2	0.9	5.0	3.3
- Other Europe	40.3	42.0	51.2	50.3	70.4	88.0	0.5	0.7	24.9	16.9
Middle East	5.8	5.9	7.4	7.2	8.7	11.0	0.1	0.1	25.2	13.5
Africa	24.3	27.0	26.7	22.4	25.0	24.7	0.3	0.2	-1.3	0.3
Other Countries	0.3	0.2	0.2	0.6	1.4	0.2	0.0	0.0	n.s.	-7.5
Total	8,755.3	9,439.8	10,186.7	10,684.5	11,925.0	13,345.5	100.0	100.0	11.9	8.8

Source: CSIL processing of official data

TABLE 3.7 Europe. Lighting fixtures. Technical segment. Sales breakdown by distribution channel by country, 2015. Percentage shares in value

Country	Contract/ direct sales	Specialists	Lifestyle*	% DIY Wholesalers E-Commerce Total			
				DIY	Wholesalers	E-Commerce	Total
Austria	25	40	3	2	29	1	100
Belgium	36	30	2	1	29	2	100
Denmark	30	25	9	2	30	4	100
Finland	18	30	7	2	39	4	100
France	34	21	8	3	32	2	100
Germany	28	15	1	7	47	2	100
Greece	24	32	4	0	40	0	100
Ireland	25	30	2	2	40	1	100
Italy	20	30	6	2	41	1	100
Netherlands	30	33	10	1	24	2	100
Norway	26	26	7	2	35	4	100
Portugal	30	35	3	0	32	0	100
Spain	24	25	4	1	44	2	100
Sweden	31	18	10	5	32	4	100
Switzerland	33	35	8	3	20	1	100
United Kingdom	26	20	2	4	45	3	100
Europe	28	23	5	4	39	2	100

Source: CSIL processing

(*) Lifestyle includes: small/medium furniture and lighting fixtures retailers, furniture & furnishings chains, department stores

TABLE 3.8 Europe. Commercial lighting. Breakdown of supply by destination, 2011-2013-2015. EUR million and % share in value

	EUR million			% share in value		
	2011	2013	2015	2011	2013	2015
Hospitality	1,320	1,068	1,158	34.4	25.1	23.1
Office	982	1,350	1,564	25.6	31.7	31.1
Retail	1,104	1,327	1,563	28.8	31.2	31.1
Art/Museum	111	121	159	2.9	2.8	3.2
Entertainment	157	149	186	4.1	3.5	3.7
Infrastructures	161	239	392	4.2	5.6	7.8
Total	3,834	4,255	5,023	100.0	100.0	100.0

Source: CSIL processing

TABLE 3.9 Europe. Outdoor lighting. Breakdown of supply by destination, 2011-2013-2015. EUR million and % share in value

	EUR million			% share in value		
	2011	2013	2015	2011	2013	2015
Residential outdoor	536	591	500	20.0	20.0	15.2
Urban landscape	915	1,008	1,103	34.3	34.0	33.6
Christmas and event lighting	108	127	134	4.1	4.3	4.1
Streets and major roads	687	751	944	25.7	25.4	28.7
Tunnel	112	131	146	4.2	4.4	4.4
Sport plants and other large areas	314	352	460	11.7	11.9	14.0
Total	2,672	2,959	3,286	100.0	100.0	100.0

Source: CSIL processing

4. Posizionamento dell'Italia

4.1 Una visione di insieme

Le imprese italiane competono all'incirca nel primo quartile del mercato mondiale della illuminazione: un mercato aggredibile, indicativamente, di 20 miliardi di euro, su 80 totali.

Con una produzione nazionale di circa 2,3 miliardi, la quota di mercato (stimata su questo aggregato specifico) risulta nell'ordine dell'11%-12%, in concorrenza con le migliori produzioni europee, americane, giapponesi, cinesi.

Un mercato che si ripartisce, in termini di larga massima, in tre fette di eguale entità fra Europa, Nord America e Resto del Mondo.

Per un aggregato di minori dimensioni (il puro Top End, il primo decile del mercato) Csil stima che la crescita complessiva negli ultimi cinque anni (2010-2015) sia stata nell'ordine del 40%, vale a dire circa il 7% medio annuo (in euro) in valore.

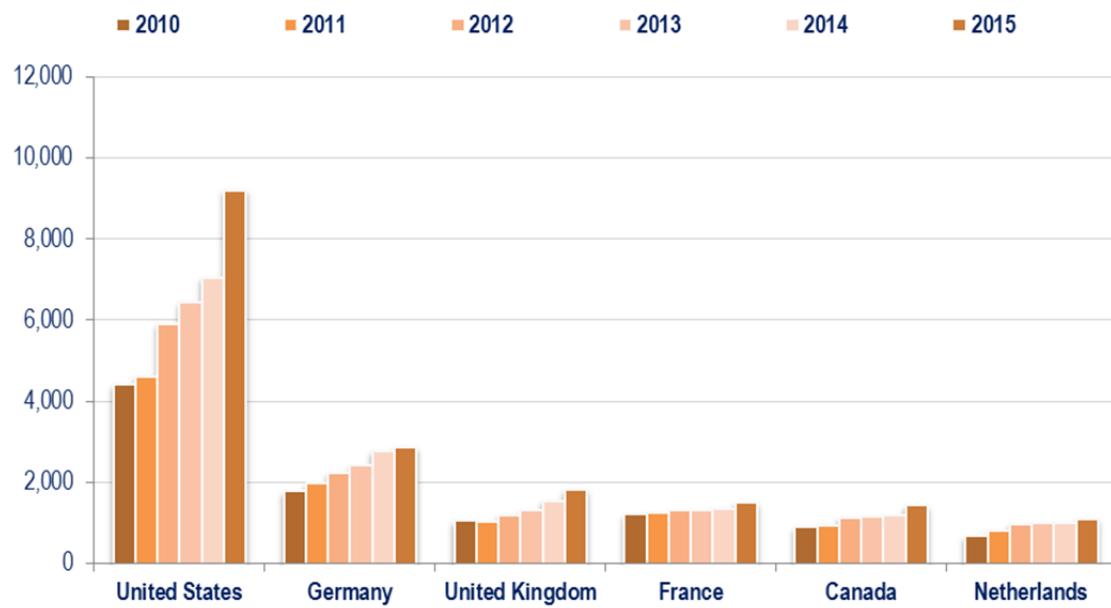
Un tasso superiore rispetto al tasso medio del mercato (4,5%, 28% complessivo).

Abbiamo provato a confrontare questi tassi di crescita con quelli di un gruppo di imprese leader italiane e la crescita media si attesta più o meno dalle parti del tasso di crescita complessivo.

Vale a dire, si vanno perdendo opportunità nell'alto gamma.

FIGURE 4.1 Six major exporters of lighting fixtures. Exports 2010-2015. EUR million

Source: CSIL processing

FIGURE 4.2 Six major importers of lighting fixtures. Imports 2010-2015. EUR million

Source: CSIL processing

TABLE 4.1 Lighting fixtures. Main destination of exports: focus on 66 countries, 2015. % values

	Exports EUR Mn	Destination 1		Destination 2		Destination 3		Destination 4		Destination 5	
		Country	%	Country	%	Country	%	Country	%	Country	%
China	24,439	USA	27	Germany	6	UK	5	Netherlands	3	India	3
Germany	2,782	Austria	12	France	10	Switzerland	8	Poland	7	USA	7
USA	1,891	Canada	42	Mexico	19	China	3	UK	2	Australia	2
Mexico	1,845	USA	98	Canada	1	Colombia	0	Guatemala	0	Costa Rica	0
Italy	1,633	Germany	11	France	11	UK	6	USA	5	Russia	4
Austria	905	Germany	33	Switzerland	10	Slovakia	7	Hungary	6	UK	6
Netherlands	812	Germany	28	Belgium	11	USA	8	France	8	UK	7
France	746	Germany	9	Spain	9	Italy	9	UK	8	Netherlands	7
South Korea	718	Japan	20	USA	15	China	12	Slovenia	11	Slovakia	8
Spain	706	France	16	UK	12	Germany	10	Italy	7	Portugal	6
Poland	683	Germany	25	France	9	Netherlands	8	Hungary	5	Czech Rep.	4
UK	606	Ireland	11	Netherlands	9	France	8	Germany	7	USA	7
Canada	500	USA	93	United A. E.	1	Germany	1	UK	1	Saudi Arabia	1
Belgium	451	France	41	Netherlands	17	Germany	10	UK	3	Italy	2
Denmark	391	Sweden	16	Germany	13	Norway	12	UK	9	USA	9
India	367	USA	30	Germany	15	UK	8	Netherlands	7	France	5
Hungary	354	Germany	15	Poland	11	France	10	Italy	7	Austria	6
Taiwan	330	USA	49	Japan	12	Germany	5	China	5	UK	2
Czech Rep.	325	Germany	18	Slovakia	10	Italy	5	Poland	5	Austria	5
Sweden	325	Norway	34	Finland	15	Denmark	12	Germany	8	UK	6
Slovakia	243	Hungary	28	Germany	22	Czech Rep.	8	Austria	6	Poland	5
Turkey	223	Turkmenistan	11	Azerbaijan	6	Germany	5	Iraq	5	Saudi Arabia	5
Malaysia	177	Singapore	16	USA	15	Australia	10	Poland	7	Japan	6
Finland	159	Estonia	21	France	11	Germany	11	Sweden	8	Hong Kong	5
Singapore	139	Indonesia	20	China	15	Hong Kong	10	Malaysia	10	Japan	5
Norway	113	Sweden	24	South Korea	11	Germany	8	Singapore	7	Denmark	7
Switzerland	104	Germany	38	France	14	Austria	9	Italy	8	Belgium	5
Portugal	103	Angola	20	Spain	18	France	14	Mozambique	6	UK	5
United A. E.	92										
Romania	90	Germany	63	France	16	Netherlands	4	Italy	3	Austria	1
Thailand	87	Japan	32	USA	8	Australia	6	Myanmar	6	Singapore	4
Estonia	86	Finland	38	Norway	22	Sweden	14	Germany	9	Russia	4
Japan	86	USA	26	China	12	Singapore	11	South Korea	8	Taiwan	7
Lithuania	73	Russia	41	Germany	7	Belarus	6	Latvia	5	Kazakhstan	5
Slovenia	72	Slovakia	20	Hungary	11	Croatia	11	Austria	9	Germany	7
Australia	69	New Zealand	23	USA	15	Papua N. G.	9	Canada	4	Macau	4
Bulgaria	65	Italy	14	UK	13	Greece	7	Spain	6	Germany	6
Vietnam	65	USA	21	South Korea	9	Japan	9	China	8	France	8
Russia	60	Kazakhstan	36	Belarus	32	Germany	5	India	4	Ukraine	4
Philippines	57	USA	60	Japan	13	Germany	8	UK	3	Australia	2
South Africa	53	Namibia	29	Botswana	11	Zambia	9	Zimbabwe	8	Mozambique	5
Ireland	47	UK	82	Germany	3	Saudi Arabia	2	France	2	Italy	1
Indonesia	45	Japan	37	USA	31	Singapore	14	Vietnam	2	Germany	2
Greece	39	Bulgaria	21	Norway	8	Romania	7	United A. E.	6	Cyprus	5
New Zealand	27	Australia	41	USA	12	UK	9	Netherlands	8	Fiji	6
Belarus	24	Russia	72	Germany	10	Romania	10	Kazakhstan	3	Ukraine	1
Egypt	23	United A. E.	20	Saudi Arabia	18	Qatar	9	Ivory Coast	7	Kuwait	5
Ukraine	22	Russia	68	Poland	18	Belarus	4	Georgia	1	Hungary	1
Brazil	19	Paraguay	21	USA	14	Colombia	9	Bolivia	7	Chile	7
Tunisia	18	Italy	44	France	29	Germany	6	Libya	5	Algeria	4
Croatia	16	Slovenia	34	Germany	9	Austria	8	Bosnia Herz.	7	Italy	6
Saudi Arabia	14	United A. E.	27	Bahrain	26	Qatar	15	Slovenia	6	China	4
Colombia	13	Peru	22	Ecuador	22	Panama	19	Costa Rica	7	Guatemala	6
Morocco	12	Senegal	14	Italy	9	Mauritania	8	Burkina Faso	8	Gabon	7
Bahrain	11	Saudi Arabia	90	Qatar	4	United A. E.	4	Kuwait	1	Jordan	0
Israel	11	USA	31	Netherlands	8	Argentina	8	Ukraine	6	South Africa	4
Argentina	8	Uruguay	32	Paraguay	20	Chile	18	Bolivia	5	Brazil	3
Lebanon	7	Saudi Arabia	12	United A. E.	12	Germany	9	Congo	6	Bahrain	6
Jordan	6	Iraq	3	United A. E.	3	Saudi Arabia	3	Kuwait	2	USA	1
Chile	6	Bolivia	44	Peru	23	Paraguay	15	Brazil	4	Argentina	3
Qatar	2	United A. E.	38	Germany	12	France	10	Saudi Arabia	9	Spain	4
Kuwait	1	Belgium	34	United A. E.	31	Saudi Arabia	10	Oman	6	Iraq	6
Oman	1	Somalia	50	United A. E.	43	Saudi Arabia	3	India	1	UK	1
Kazakhstan	1	Uzbekistan	26	Czech Rep.	25	Tajikistan	19	Kyrgyzstan	16	UK	8
Venezuela	1	Cuba	92	USA	3	Colombia	1	Dominican R	1	Aruba	1
Algeria	0	France	50	Morocco	49	India	0	Mexico	0	Tunisia	0

Source: CSIL processing of official data

For the United Arab Emirates official data on destination of exports are not available

TABLE 4.2 Lighting fixtures. Main origin of imports: focus on 66 countries, 2015. % values

	Imports	Origin 1		Origin 2		Origin 3		Origin 4		Origin 5	
	EUR Mn	Country	%	Country	%	Country	%	Country	%	Country	%
USA	9,188	China	64	Mexico	19	Canada	5	Taiwan	2	Germany	2
Germany	2,859	China	52	Netherlands	8	Austria	7	Poland	6	Italy	5
UK	1,813	China	60	Germany	6	Spain	4	Italy	3	USA	3
France	1,494	China	32	Germany	15	Italy	10	Belgium	9	Spain	6
Canada	1,417	China	51	USA	30	Mexico	12	Germany	1	Italy	1
Netherlands	1,091	China	60	Germany	7	Hong Kong	4	France	4	Poland	3
United A. E.	942	China	68	Italy	5	Germany	5	UK	4	USA	3
Spain	928	China	41	Italy	24	France	9	Germany	8	UK	3
Japan	885	China	71	South Korea	5	Thailand	4	Taiwan	4	USA	4
India	881	China	86	Germany	3	South Korea	2	Sri Lanka	2	Italy	1
Italy	854	China	48	Germany	12	France	7	Austria	6	Spain	5
Austria	842	Germany	42	China	27	Italy	6	South Korea	5	Poland	3
Australia	839	China	71	USA	5	Germany	4	Italy	2	UK	2
Mexico	671	China	52	USA	34	Italy	3	Spain	2	Germany	2
Belgium	657	China	39	Germany	15	Netherlands	15	France	5	Austria	5
Vietnam	656	China	85	South Korea	6	Taiwan	2	Germany	1	Singapore	1
Switzerland	648	Germany	33	China	26	Italy	12	Austria	9	France	4
Sweden	632	China	46	Germany	11	Denmark	7	UK	5	Poland	5
South Korea	589	China	69	Germany	5	USA	5	Norway	5	Japan	4
Russia	584	China	46	Italy	12	Germany	9	Lithuania	5	Poland	4
Poland	576	China	44	Germany	24	Netherlands	4	Italy	4	Hungary	4
Saudi Arabia	489	China	49	Italy	9	USA	7	Germany	5	UK	4
Norway	477	China	42	Sweden	11	Germany	8	Denmark	6	Italy	5
Turkey	457	China	77	Germany	4	Italy	4	Poland	2	Spain	2
Denmark	415	China	40	Germany	12	Sweden	11	Italy	6	Spain	4
Hungary	334	Austria	20	Slovakia	17	China	17	Poland	16	Germany	7
China	310	Taiwan	21	China	16	USA	14	Germany	12	Japan	7
Singapore	310	China	39	Malaysia	11	Germany	8	USA	7	Italy	5
Slovakia	272	Slovenia	34	Austria	21	Czech Rep.	10	Germany	8	Hungary	7
Finland	252	China	25	Estonia	18	Sweden	18	Germany	11	Poland	5
Czech Rep.	241	Germany	20	China	20	Poland	12	Slovakia	8	Italy	8
Thailand	223	China	78	Germany	3	Malaysia	2	USA	2	South Korea	2
Brazil	209	China	70	USA	7	Hong Kong	4	Mexico	3	Denmark	2
Israel	190	China	52	Italy	8	Hong Kong	7	USA	5	Germany	5
Qatar	183	China	24	Italy	20	Germany	9	USA	8	UK	7
Malaysia	182	China	77	USA	3	South Korea	3	Singapore	2	Italy	2
Chile	171	China	78	USA	5	Spain	4	Germany	2	South Korea	2
New Zealand	159	China	59	Australia	9	USA	6	Italy	5	Germany	4
Romania	151	China	32	Germany	14	Hungary	10	France	7	Italy	6
Ireland	151	UK	40	China	36	Germany	5	Italy	4	Poland	2
South Africa	149	China	72	Germany	3	Italy	3	Malaysia	3	Czech Rep.	2
Portugal	141	Spain	35	China	16	Italy	10	Germany	9	Netherlands	7
Taiwan	117	China	75	USA	5	Italy	4	Japan	4	Germany	2
Ukraine	117	China	57	Italy	14	Poland	7	Germany	4	Russia	3
Kuwait	109	China	37	Germany	12	Italy	9	UK	7	USA	6
Egypt	107	China	59	Italy	12	Germany	8	Spain	2	Poland	2
Indonesia	100	China	65	Singapore	7	Malaysia	4	Germany	3	Japan	3
Greece	91	China	54	Italy	15	Germany	6	Spain	4	Bulgaria	3
Morocco	89	China	49	Italy	12	Spain	11	France	11	Germany	3
Colombia	84	China	63	USA	11	Spain	6	Germany	3	Mexico	3
Philippines	79	China	71	Hong Kong	5	Germany	4	Taiwan	3	USA	3
Slovenia	78	China	30	Italy	13	Austria	12	Germany	11	Croatia	10
Algeria	75	China	49	Italy	11	Germany	8	Spain	6	France	6
Bulgaria	72	China	51	Greece	11	Germany	7	Poland	5	Turkey	5
Oman	72	United A. E.	37	China	18	UK	8	Italy	8	Germany	5
Lithuania	71	China	22	Italy	21	Germany	12	Poland	11	Czech Rep.	6
Argentina	68	China	69	USA	12	Malaysia	4	South Korea	3	Germany	2
Lebanon	64	China	55	Italy	16	Spain	6	Germany	6	France	3
Croatia	63	Germany	17	China	17	Italy	16	Austria	13	Hungary	11
Estonia	63	Finland	31	China	15	Germany	9	Poland	7	Norway	6
Jordan	60	China	69	Italy	8	Turkey	5	Germany	3	Spain	3
Venezuela	60	China	66	USA	15	Panama	6	British Virgin I.	3	Spain	2
Kazakhstan	47	China	50	Turkey	9	Italy	8	South Korea	5	UK	5
Belarus	47	Russia	46	China	25	Italy	7	Poland	5	Turkey	2
Bahrain	33	China	45	Italy	11	Germany	5	UK	4	USA	4
Tunisia	23	China	44	France	15	Italy	12	Spain	7	Germany	6

Source: CSIL processing of official data

TABLE 4.3 World trade balance for lighting fixtures 2010-2015: focus on 66 countries. EUR million

	EUR Million					
	2010	2011	2012	2013	2014	2015
China	6,357	7,264	9,397	14,008	17,488	24,129
Mexico	453	450	642	692	868	1,174
Italy	712	763	802	853	790	779
Taiwan	159	207	229	186	189	213
South Korea	-60	147	433	551	477	128
Poland	-82	-125	-82	17	-15	107
Czech Republic	19	29	38	36	69	84
Austria	84	88	56	138	124	63
Estonia	11	17	15	24	22	24
Hungary	51	78	68	6	10	21
Lithuania	2	15	16	17	9	2
Tunisia	-3	9	4	3	-3	-4
Malaysia	2	113	222	190	95	-5
Slovenia	-2	-1	6	3	0	-6
Bulgaria	-19	-14	-5	-13	-15	-7
Bahrain	-26	-20	-29	-26	-25	-22
Philippines	-7	-10	-20	6	-11	-22
Belarus	-16	-12	-19	-34	-30	-23
Denmark	-27	-10	10	-18	-5	-24
Slovakia	41	45	42	4	-59	-29
Portugal	-62	-44	-10	-7	-21	-38
Kazakhstan	-48	-65	-81	-78	-76	-46
Croatia	-41	-47	-42	-37	-41	-47
Greece	-84	-52	3	-34	-42	-52
Jordan	-19	-24	-25	-29	-35	-54
Indonesia	-32	-43	-32	-59	-58	-55
Lebanon	-30	-32	-39	-46	-47	-57
Venezuela	-38	-53	-80	-64	-49	-59
Romania	-39	-41	-21	-26	-37	-61
Argentina	-39	-57	-40	-51	-42	-61
Oman	-43	-47	-41	-57	-70	-71
Colombia	-36	-40	-50	-51	-63	-71
Algeria	-51	-39	-38	-44	-60	-75
Germany	264	293	123	15	-137	-77
Morocco	-39	-50	-55	-56	-63	-77
Egypt	-32	-23	-19	-30	-36	-84
Finland	-81	-88	-106	-96	-83	-93
Ukraine	-71	-101	-116	-135	-96	-95
South Africa	-31	-44	-82	-82	-78	-96
Ireland	-63	-51	-54	-51	-76	-104
Kuwait	-40	-44	-65	-78	-75	-108
New Zealand	-39	-39	-61	-83	-94	-131
Thailand	10	-8	-39	-60	-95	-136
Chile	-81	-94	-129	-131	-132	-164
Singapore	85	-99	-116	-141	-121	-171
Israel	-83	-99	-104	-128	-147	-179
Qatar	-113	-126	-137	-151	-156	-181
Brazil	-90	-110	-150	-180	-177	-189
Belgium	-18	-76	-143	-166	-176	-207
Spain	-155	-86	26	79	-34	-222
Turkey	-73	-118	-88	-151	-194	-234
Netherlands	-194	-241	-331	-255	-219	-278
Sweden	-108	-134	-149	-166	-222	-308
Norway	-192	-230	-270	-291	-317	-365
Saudi Arabia	-162	-209	-290	-386	-450	-475
India	36	56	14	-182	-329	-514
Russia	-557	-667	-833	-812	-649	-524
Switzerland	-325	-377	-421	-452	-460	-544
Vietnam	-26	-32	-40	-121	-309	-592
France	-586	-560	-608	-623	-639	-748
Australia	-338	-400	-535	-590	-654	-770
Japan	-346	-569	-823	-776	-771	-798
United Arab Emirates	-208	-227	-416	-506	-739	-850
Canada	-653	-668	-799	-821	-825	-917
United Kingdom	-663	-578	-678	-807	-1,039	-1,207
United States	-3,409	-3,483	-4,573	-5,108	-5,542	-7,297
Total	-1,462	-833	-745	2,536	4,205	7,100

Source: CSIL processing of official data

4.2 Europa

Dopo la Germania, l'Italia è il principale esportatore Europeo di apparecchi di illuminazione, ed uno dei maggiori al mondo (fra il terzo ed il quinto posto: primeggia ovviamente la Cina e bisogna poi tenere conto del sistema integrato nord americano).

In termini di quota sul totale Europeo, l'Italia ha registrato un leggero declino (dal 18% al 17%) fra il 2010 ed il 2015.

L'Italia ha mostrato una maggiore capacità di fuoriuscita dai confini Europei: il continente rappresentava circa il 74% delle esportazioni nel 2010 ed il 66% nel 2015.

Le tendenze geografiche non sono dissimili da quelle registrate per l'aggregato Europeo: l'America cresce al tasso medio annuo del 14%, il Medio Oriente del 12%, l'Asia il 10%.

Europa Centrale ed Occidentale

L'Italia è il terzo Paese di provenienza delle importazioni per Francia, Spagna e Svizzera, nonché il quarto fornitore per Germania, Austria e Gran Bretagna.

In Europa circa il 25%-30% della illuminazione professionale passa dal Contract.

Un altro 20%-25% è appannaggio degli specialisti di illuminazione.

Con significative differenze da Paese a Paese, grossisti di illuminazione controllano all'incirca il 40% del mercato.

Poco meno del 10% viaggia tramite canali despecializzati: negozi di mobili, grandi magazzini, fai-da-te (canali che ovviamente sono molto più ampi per la illuminazione residenziale).

L'incidenza dell'e-commerce è nell'ordine del 2% e tende velocemente a crescere, almeno per determinate tipologie di prodotto.

La quota di mercato nell'alto gamma sfiora il 10% in Germania-Austria-Svizzera e supera il 35% in Spagna-Portogallo, intorno al 15% negli altri Paesi, con punte anche superiori al 20% in Francia.

Paesi Scandinavi

Minore la capacità di penetrazione italiana nel mercato Scandinavo, fatta eccezione per la Danimarca, dove confermiamo un quarto posto in graduatoria.

In Norvegia le imprese italiane si presentano in quinta posizione, mentre Finlandia e Svezia mostrano una maggiore complementarietà con i Paesi limitrofi.

La quota di mercato nell'alto gamma sfiora il 15%.

Europa dell'Est e Russia

In flessione un po' per tutti, l'Italia conferma la seconda posizione (dopo la Cina) fra i Paesi fornitori di apparecchi di illuminazione per la Russia e l'Ucraina (e la terza posizione in Kazakistan).

Fra la seconda e la quarta posizione anche nelle vicinissime Slovenia e Croazia, ma anche Repubblica Ceca e Romania.

Minore il grado di penetrazione in Ungheria, Slovacchia, Bulgaria. Non superiore al 10% la quota di mercato nell'alto gamma.

4.3 America

Le esportazioni italiane di illuminazione negli Stati Uniti sfiorano i 90 milioni di Euro, non pochi in assoluto ma una goccia sulle dimensioni del mercato. Anche se ci limitiamo a monitorare il cosiddetto alto gamma, la quota di mercato può essere valutata intorno al 3%-4%.

In Canada, Messico e Brasile l'Italia è il quarto Paese di provenienza delle importazioni di apparecchi per illuminazione. Significativa anche la quinta posizione in Cile.

TABLE 4.4 USA. Commercial lighting. Breakdown of supply by destination, 2011-2013-2015. EUR million and % share in value

	EUR million			% share in value		
	2011	2013	2015	2011	2013	2015
Hospitality	1,567	1,425	1,924	36.0	27.0	26.0
Office	958	1,583	2,368	22.0	30.0	32.0
Retail	1,306	1,583	2,109	30.0	30.0	28.5
Art/Museum	44	53	81	1.0	1.0	1.1
Entertainment	305	264	370	7.0	5.0	5.0
Infrastructures	174	369	548	4.0	7.0	7.4
Total	4,354	5,276	7,400	100.0	100.0	100.0

Source: CSIL processing

TABLE 4.5 USA. Outdoor lighting. Breakdown of supply by destination, 2011-2013-2015. EUR million and % share in value

	EUR million			% share in value		
	2011	2013	2015	2011	2013	2015
Residential outdoor	217	256	368	10.0	9.0	9.2
Urban landscape	760	824	1,164	35.0	29.0	29.1
Christmas and event lighting	109	165	240	5.0	5.8	6.0
Streets and major roads	626	937	1,280	28.8	33.0	32.0
Tunnel	26	34	48	1.2	1.2	1.2
Sport plants and other large areas	434	625	900	20.0	22.0	22.5
Total	2,172	2,840	4,002	100.0	100.0	100.0

Source: CSIL processing

4.4 China

In Cina, Giappone, India, le imprese italiane (in base a stime Csil) controllano circa il 3% del mercato alto gamma.

TABLE 4.6 China. Commercial lighting. Breakdown of supply by destination, 2011-2013-2015. EUR million and % share in value

	EUR million			% share in value		
	2011	2013	2015	2011	2013	2015
Hospitality	635	719	1,022	22.0	20.0	20.8
Office	924	1,168	1,768	32.0	32.5	35.9
Retail	982	1,114	1,518	34.0	31.0	30.8
Art/Museum	29	90	105	1.0	2.5	2.1
Entertainment	144	251	248	5.0	7.0	5.0
Infrastructures	173	251	262	6.0	7.0	5.3
Total	2,888	3,593	4,923	100.0	100.0	100.0

Source: CSIL processing

TABLE 4.7 China. Outdoor lighting. Breakdown of supply by destination, 2011-2013-2015. EUR million and % share in value

	EUR million			% share in value		
	2011	2013	2015	2011	2013	2015
Residential outdoor	246	436	530	9.0	13.0	13.5
Urban landscape	574	603	892	21.0	18.0	22.7
Christmas and event lighting	164	134	161	6.0	4.0	4.1
Streets and major roads	1,285	1,441	1,571	47.0	43.0	40.0
Tunnel	219	335	310	8.0	10.0	7.9
Sport plants and other large areas	246	402	464	9.0	12.0	11.8
Total	2,734	3,351	3,928	100.0	100.0	100.0

Source: CSIL processing

4.5 Russia, Medio Oriente, Turchia, Africa

Nell'alto gamma, le imprese italiane registrano una quota di mercato che sfiora il 15% nel Medio Oriente, e probabilmente lo supera in Russia.

In Qatar l'Italia è il primo paese di provenienza delle importazioni di apparecchi di illuminazione. L'Italia è anche il secondo fornitore sia per Israele che per gli Emirati, e presenta una valida terza posizione anche in Arabia Saudita, Egitto, Turchia, Sud Africa.

4.6 Asia ed Oceania

Su dodici Paesi esaminati, l'Italia si presenta nella top 5 (più precisamente in quarta o quinta posizione) in Cina, India (quindi i mercati a maggiore potenziale), Singapore (un mercato "ricco"), Australia e Nuova Zelanda.

Minore il grado di penetrazione in Giappone e Sud Korea, così come in Malesia, Tailandia, Vietnam, Indonesia e Filippine.

Nell'alto gamma, la quota di mercato delle imprese italiane si aggira nell'ordine del 3% (con punte superiori in Australia).

5. Il mercato italiano della illuminazione

Il mercato Italiano degli apparecchi di illuminazione nella sua componente professionale viene valutato pari a circa 883 milioni di Euro per l'anno 2015, con una crescita pari al 5,6% rispetto all'anno precedente.

Il mercato Italiano della illuminazione professionale assorbe circa 500 milioni di Euro di prodotti di importazione, parte importazioni effettive di prodotti destinati al mercato finale, e parte componentistica ed outsourcing delle imprese Italiane all'estero.

Le esportazioni di apparecchi di illuminazione professionali vengono stimate sempre da Csil pari a 1080 milioni di Euro, con una significativa crescita del 9,2 sempre con raffronto al 2014.

La Cina è il principale Paese di provenienza delle importazioni Italiane, ma significativa è anche la presenza di Germania, Austria, Francia, Spagna.

Da osservare come in tutti questi Paesi una o più medie e grandi imprese Italiane presentano stabilimenti di produzione.

Le imprese italiane di illuminazione registrano un più elevato fatturato per addetto rispetto alla media Europea: rispettivamente 210 e 200 mila Euro.

Il settore della illuminazione ha registrato nel complesso una buona performance negli anni passati anche in termini di redditività: sfiora il 9% l'EBITDA medio 2015 delle maggiori imprese Europee, e supera il 10% nel caso di molte fra le imprese italiane leader nel settore.

TABLE 5.1 Italy. Exports of lighting fixtures by country and by geographical area of destination, 2010-2015

	EUR million						% share		% change	
	2010	2011	2012	2013	2014	2015	2010	2015	15/14	Av. 10-15
Germany	130.0	159.3	169.0	166.2	180.8	182.7	10.0	11.2	1.1	7.0
France	190.2	199.9	191.4	188.9	173.2	181.4	14.6	11.1	4.7	-1.0
United Kingdom	64.6	71.4	76.3	74.2	85.8	98.2	5.0	6.0	14.5	8.7
United States	40.5	48.4	56.4	60.9	67.0	87.4	3.1	5.3	30.4	16.6
Russia	83.8	95.0	102.5	128.2	104.6	72.0	6.4	4.4	-31.1	-3.0
Switzerland	49.6	58.5	55.6	63.2	65.4	70.5	3.8	4.3	7.8	7.3
Spain	76.5	72.9	56.4	51.9	59.3	70.5	5.9	4.3	18.9	-1.6
United Arab Emirates	36.1	38.8	48.8	45.6	46.5	60.6	2.8	3.7	30.3	10.9
Belgium	36.6	41.5	41.6	39.2	42.7	45.6	2.8	2.8	6.9	4.5
Saudi Arabia	22.3	29.8	29.6	29.7	37.0	43.5	1.7	2.7	17.6	14.3
Netherlands	32.5	32.1	32.6	33.2	36.3	41.0	2.5	2.5	12.9	4.7
Austria	39.6	41.2	45.7	50.9	48.5	36.8	3.0	2.3	-24.2	-1.5
Qatar	18.8	16.5	19.8	27.4	33.8	36.0	1.4	2.2	6.5	13.9
Sweden	13.3	17.5	18.3	21.3	23.7	29.0	1.0	1.8	22.1	16.9
Poland	24.5	24.8	23.7	22.9	26.0	28.0	1.9	1.7	7.5	2.7
Norway	13.1	14.2	18.2	21.0	22.0	23.1	1.0	1.4	4.9	11.9
China	12.9	13.6	16.0	23.0	20.7	22.6	1.0	1.4	9.4	11.8
Israel	9.6	11.6	11.5	13.2	15.2	19.6	0.7	1.2	29.4	15.3
Australia	14.1	17.5	17.8	16.9	17.8	18.6	1.1	1.1	4.4	5.6
Denmark	16.6	17.4	15.2	15.9	16.3	18.1	1.3	1.1	10.9	1.8
Top 20	925.3	1,021.7	1,046.4	1,093.6	1,122.5	1,185.0	71.1	72.6	5.6	5.1
Others	375.2	381.2	377.5	388.3	410.3	448.0	28.9	27.4	9.2	3.6
Americas	70.5	82.6	95.9	102.7	108.1	134.6	5.4	8.2	24.5	13.8
- North America	48.6	57.2	66.1	70.2	77.4	98.8	3.7	6.1	27.7	15.3
- Central-South America	21.9	25.4	29.9	32.5	30.7	35.8	1.7	2.2	16.4	10.3
Asia and Pacific	103.1	120.0	126.2	130.4	134.2	163.3	7.9	10.0	21.6	9.6
Europe	959.9	1,035.5	1,021.0	1,060.7	1,066.1	1,084.4	73.8	66.4	1.7	2.5
- European Union (15)	656.4	701.0	688.0	683.9	715.5	759.9	50.5	46.5	6.2	3.0
- New EU Members (13)	107.9	110.0	107.2	104.9	111.9	121.3	8.3	7.4	8.4	2.4
- Enlarged EU (28)	764.3	811.0	795.2	788.8	827.4	881.2	58.8	54.0	6.5	2.9
- Norway & Switzerland	62.7	72.6	73.8	84.1	87.4	93.6	4.8	5.7	7.1	8.3
- Other Europe	132.8	151.8	152.0	187.8	151.3	109.6	10.2	6.7	-27.5	-3.8
Middle East	115.8	128.8	143.8	146.0	172.4	202.2	8.9	12.4	17.3	11.8
Africa	50.9	35.9	37.0	42.1	51.8	48.5	3.9	3.0	-6.3	-0.9
Other Countries	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	n.s.	-45.3
Total	1,300.6	1,402.9	1,423.9	1,482.0	1,532.7	1,633.0	100.0	100.0	6.5	4.7

Source: CSIL processing of official data

TABLE 5.2 Italy. Imports of lighting fixtures by country and by geographical area of destination, 2010-2015

	EUR million						% share		% change	
	2010	2011	2012	2013	2014	2015	2010	2015	15/14	Av. 10-15
China	265.2	272.5	274.1	287.0	342.7	413.9	45.0	48.4	20.8	9.3
Germany	92.0	100.2	95.8	86.7	101.3	102.5	15.6	12.0	1.2	2.2
France	38.4	45.3	40.4	36.5	42.0	56.7	6.5	6.6	35.0	8.1
Austria	43.7	45.9	41.0	44.3	43.2	47.5	7.4	5.6	9.8	1.7
Spain	17.8	27.8	27.5	26.5	34.7	44.8	3.0	5.2	29.0	20.3
Hungary	22.1	24.7	21.9	21.8	25.6	27.3	3.8	3.2	6.9	4.3
Netherlands	8.7	11.7	13.8	19.1	24.3	23.3	1.5	2.7	-3.9	21.8
Poland	5.2	7.0	14.4	14.1	14.4	18.1	0.9	2.1	25.5	28.2
United States	12.2	10.6	9.6	8.4	15.0	17.1	2.1	2.0	14.4	7.1
Czech Republic	7.8	10.3	10.2	11.8	15.0	14.1	1.3	1.7	-5.6	12.6
United Kingdom	6.9	8.4	8.0	8.6	8.3	11.5	1.2	1.4	38.5	10.8
Bulgaria	0.9	1.9	2.7	3.3	4.8	7.4	0.1	0.9	53.7	53.4
Switzerland	5.2	5.0	3.6	3.6	3.6	6.6	0.9	0.8	82.7	4.8
Belgium	15.1	16.2	11.3	7.6	4.9	5.5	2.6	0.6	11.5	-18.2
South Korea	1.0	2.0	1.0	4.2	6.5	4.8	0.2	0.6	-25.6	37.1
Taiwan	3.5	4.1	3.6	3.1	3.4	4.6	0.6	0.5	34.4	5.7
Slovakia	4.0	3.9	3.8	3.2	3.5	4.5	0.7	0.5	28.3	2.5
Romania	4.2	4.2	3.5	4.8	5.7	4.3	0.7	0.5	-24.8	0.5
Tunisia	0.3	1.9	0.6	2.6	3.6	4.0	0.0	0.5	11.8	72.1
India	3.7	3.7	3.8	3.3	3.5	3.8	0.6	0.4	8.8	0.3
Top 20	557.7	607.2	590.6	600.7	706.0	822.3	94.7	96.2	16.5	8.1
Others	31.1	32.7	31.3	28.6	36.4	32.1	5.3	3.8	-11.9	0.6
Americas	13.5	12.6	11.0	10.0	16.5	19.0	2.3	2.2	15.1	7.1
- North America	12.4	11.0	10.0	9.0	15.8	17.9	2.1	2.1	13.1	7.6
- Central-South America	1.1	1.7	1.0	1.1	0.7	1.1	0.2	0.1	62.2	0.3
Asia and Pacific	279.9	290.8	290.5	305.6	365.4	436.0	47.5	51.0	19.3	9.3
Europe	290.1	329.5	314.3	307.7	353.7	392.6	49.3	45.9	11.0	6.2
- European Union (15)	229.9	263.7	247.1	238.8	271.4	301.0	39.0	35.2	10.9	5.5
- New EU Members (13)	51.1	58.5	61.4	63.4	76.1	82.0	8.7	9.6	7.7	9.9
- Enlarged EU (28)	281.0	322.2	308.5	302.2	347.6	382.9	47.7	44.8	10.2	6.4
- Norway & Switzerland	5.5	5.2	3.9	4.0	3.9	6.7	0.9	0.8	73.6	4.0
- Other Europe	3.6	2.1	1.9	1.5	2.2	2.9	0.6	0.3	29.4	-4.2
Middle East	0.5	0.8	0.9	0.8	0.6	0.9	0.1	0.1	47.2	14.3
Africa	4.9	6.2	5.1	5.2	6.2	5.9	0.8	0.7	-4.6	3.8
Other Countries	0.0	n.c.	n.s.							
Total	588.9	639.9	621.9	629.4	742.4	854.4	100.0	100.0	15.1	7.7

Source: CSIL processing of official data

6. Alcune indicazioni per il prossimo futuro

Una primissima, seppure scontata, osservazione, deriva dall'andamento del PIL mondiale.

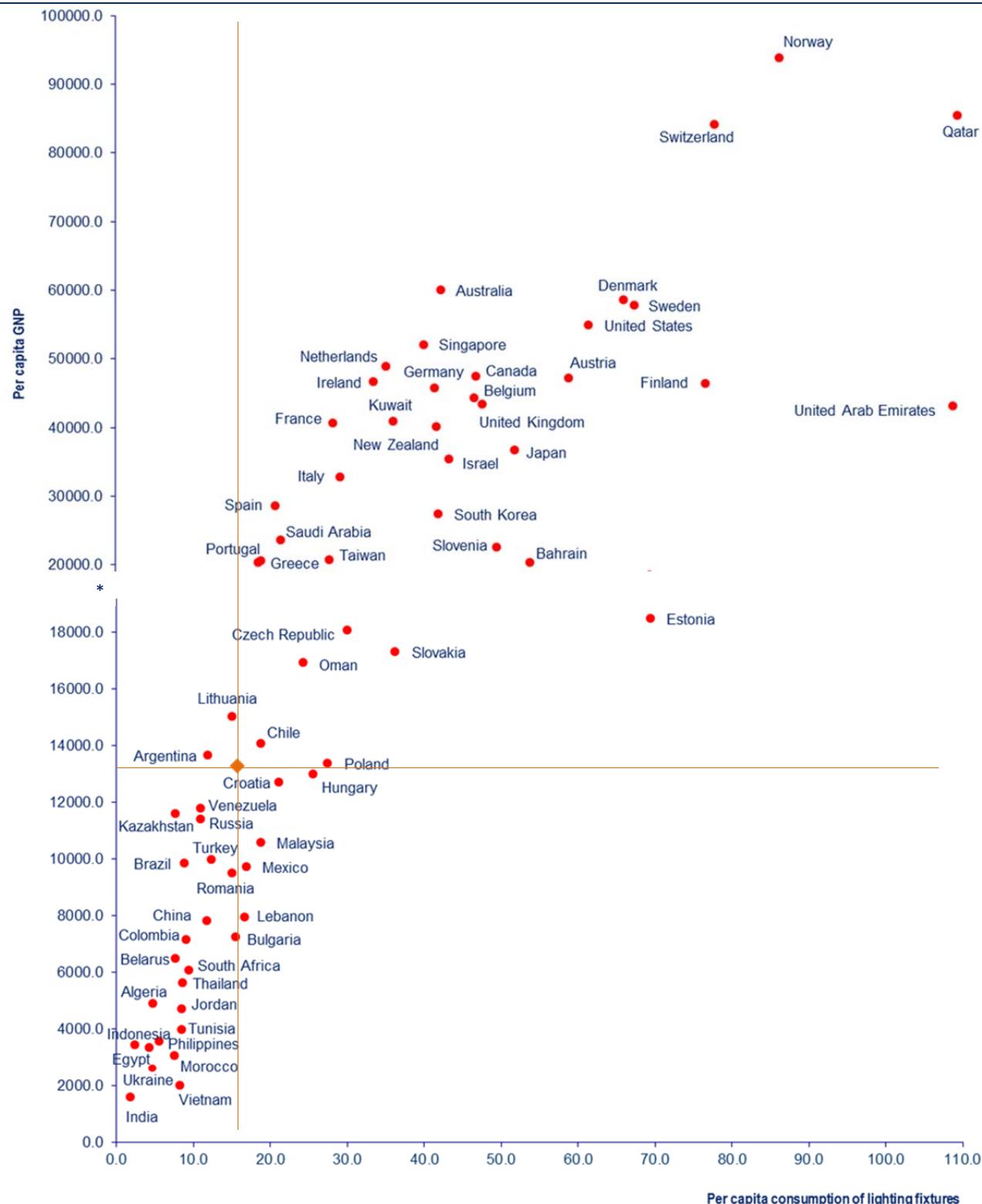
Come risulta evidente dal grafico successivo, esiste una correlazione forte fra andamento del PIL di una economia e domanda di Luce.

Non si tratta evidentemente di una correlazione univoca: la forte domanda relativa di Luce in Norvegia e Finlandia ha certamente a che fare con le ore di luce disponibili, e negli Emirati sono disponibili certamente ragioni di prestigio.

Va poi detto che negli ultimi anni (e presumibilmente nei prossimi) la elasticità al reddito della domanda di luce è stata positiva, vale a dire che per ogni unità di reddito aggiuntivo la domanda di luce è cresciuta più che proporzionalmente. Domanda e redditività delle imprese sono state sostenute da un elevato tasso di innovazione, ed il "portafoglio idee" per il futuro (humancentric lighting, IoT...) lascia ben sperare.

Come anticipato, in questi anni le imprese Italiane hanno retto complessivamente bene lo stato di crisi (fondamentalmente in Italia ed Europa) ma hanno probabilmente anche perso opportunità. Di tutto rispetto le quote di mercato in Europa, un po' meno altrove. Una indicazione può probabilmente venire dalle dimensioni medie di impresa: nei maggiori segmenti di mercato e nelle macro Regioni: i top 3 players in genere controllano fra il 10% ed il 20% del mercato, 15-20 imprese hanno dimensioni raggardevoli, controllando oltre l'1% del mercato di riferimento.

FIGURE 6.1 Per capita apparent consumption of lighting fixtures and per capita GNP by country, 2015



Source: CSIL processing
(*) Change of scale

FIGURE 6.2 Competitive system: degree of concentration of the world LED market

Segment	Market share of the top 3 players	Number of players with market share > 1%	Market share of players with market share < 1%
	%		
Residential	25	36	11
Hospitality	10	13	77
Office	17	13	67
Retail	10	12	76
Industrial	16	18	50
Outdoor	12	11	75

Segment	Market share of the top 3 players	Number of players with market share > 1%	Market share of players with market share < 1%
	%		
West Europe	19	18	56
North America	27	13	52
China	14	15	69

Source: CSIL processing data

Altri possibili driver di crescita e cambiamento:

- IoT può portare nel mercato nuovi players (Apple?) e canali distributivi (elettronica....come in Giappone)
- HumanCentric Lighting forse è (anche) uno slogan, ma è uno slogan di successo
- E-commerce.....nel Consumer in Italia raggiungerà presto il 6% del mercato. Il tasso di crescita in Europa è a due cifre
- Vi è chi dice "no space for OLED in general lighting" ma un impegno forte da parte di qualche player importante (Ikea?) potrebbe spostare gli equilibri
- Retrofit...una volta finita la prima installazione, il mercato non potrà che declinare.

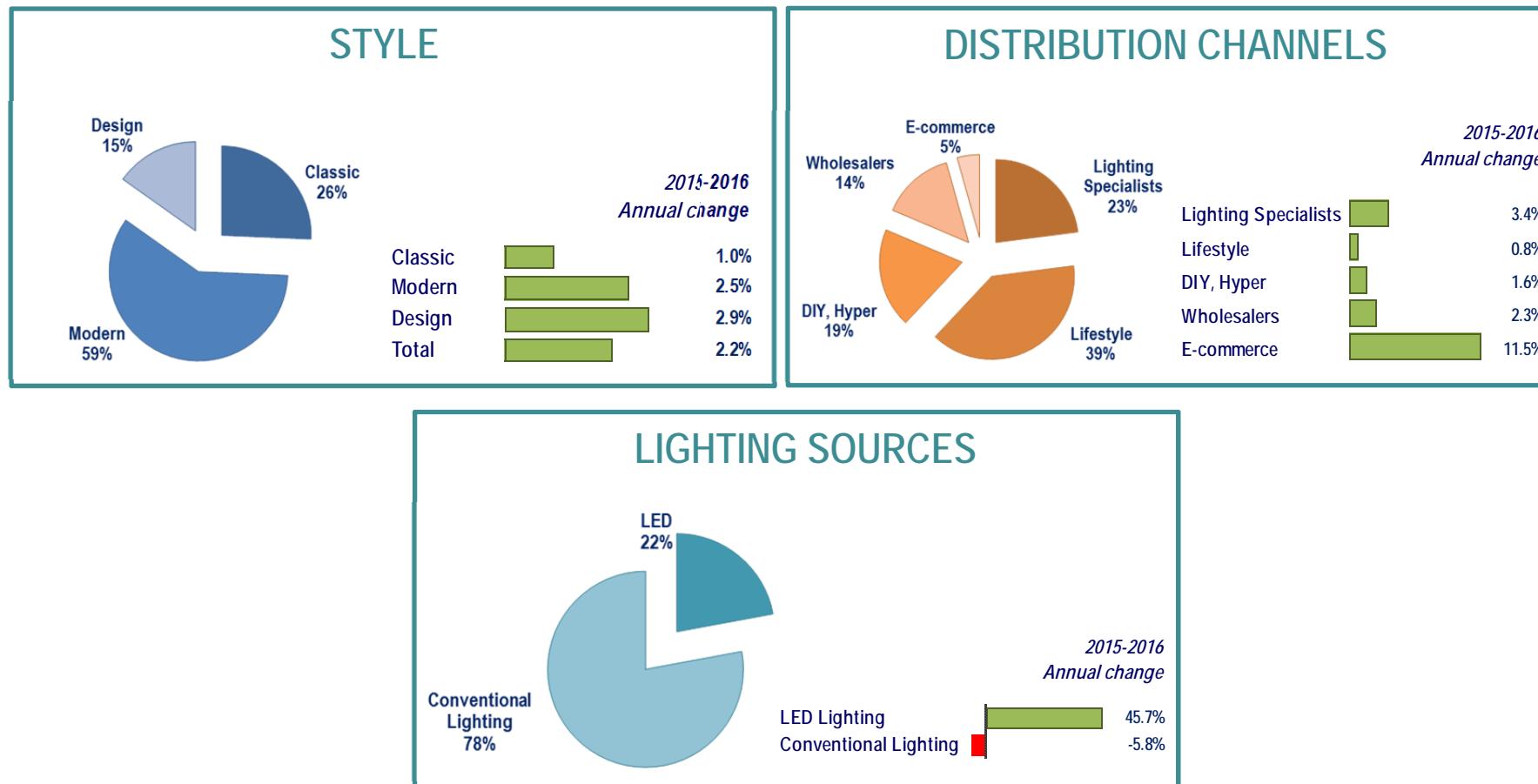
Tra le tecnologie in ballo, i protocolli internet (IP) ed il Power over Ethernet (PoE). Ma anche la tecnologia Li-Fi nel momento in cui un apparecchio di illuminazione IP-based diviene punto di accesso alla rete Li-Fi (da integrare nei device, e pare che sarà possibile con le prossime generazioni di iPhones).

IP-based lighting può dare accesso ad altre "cose" ad internet con un network senza fili.

PoE dovrebbe essere ideale per installazioni IT-based, come incassi e pannelli LED da ufficio, mentre la tecnologia alternative (IP-based) dovrebbe applicarsi alla maggior parte delle realizzazioni Outdoor.

Alla base, la valutazione di Cisco secondo cui si passerebbe da 200 milioni di device connessi nel 2000 (PC's Internet), ai 10 miliardi nel 2010 (mobile), a 50 miliardi in un prossimo futuro 2020 (IoT).

FIGURE 6.3 Focus on Europe: the consumer lighting fixtures market in 2016*



Source: CSIL processing data

(*) data refers to 16 West European countries in the first semester of 2016

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