

Lighting: Building the future

Theo van Deursen CEO Philips Lighting Lighting and Innovation Analysts' Day September 28, 2007

Philips Vision 2010



Three people centric sectors

Healthcare



Lighting



Consumer Lifestyle



Philips Growth Vision 2010: EBITA margin >10% Sales: a minimum of 6% growth

Agenda

- Philips Lighting
- The Growth challenge
- Growth drivers
 - Emerging markets
 - Acquisitions
 - Market driven organization
- Growth opportunities
 - Energy saving solutions
 - Automotive
 - Professional Luminaire systems
 - Home Lighting
 - Solid State Lighting

Philips Lighting

	2006
Sales (€B)	5.5
Comp. growth	8%
EBITA (€ M)	608
as % of sales	11.1%
Headcount	47,739
R&D %	4.9%
Net Capex (€ M)	319
Depreciation PPE (€ M)	205
NOC (€ B)	2.5

Philips Lighting

Key Product Areas

Lamps



Lighting
Electronics &
Controls



Professional Luminaires & Systems



Automotive & Special Lighting Applications



Consumer Luminaires & Systems



Solid State
Lighting
Components &
Modules



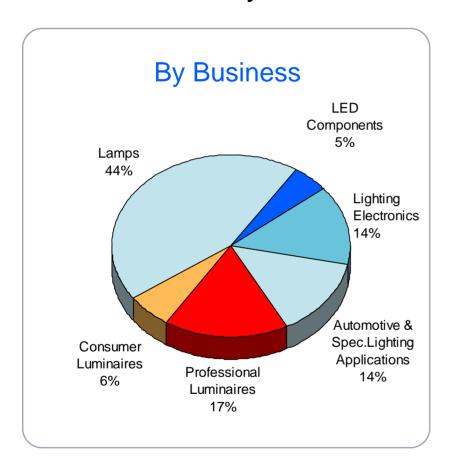
Philips Lighting: leading around the world

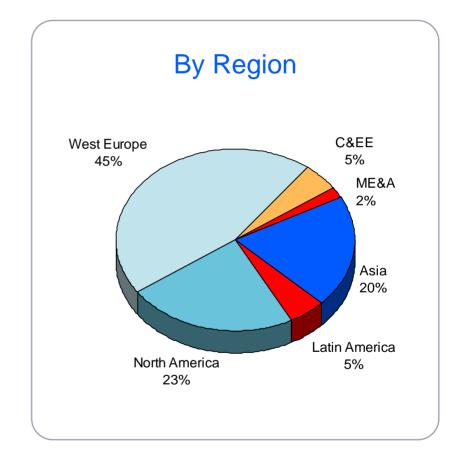
Value market shares per business per region 2006/2007



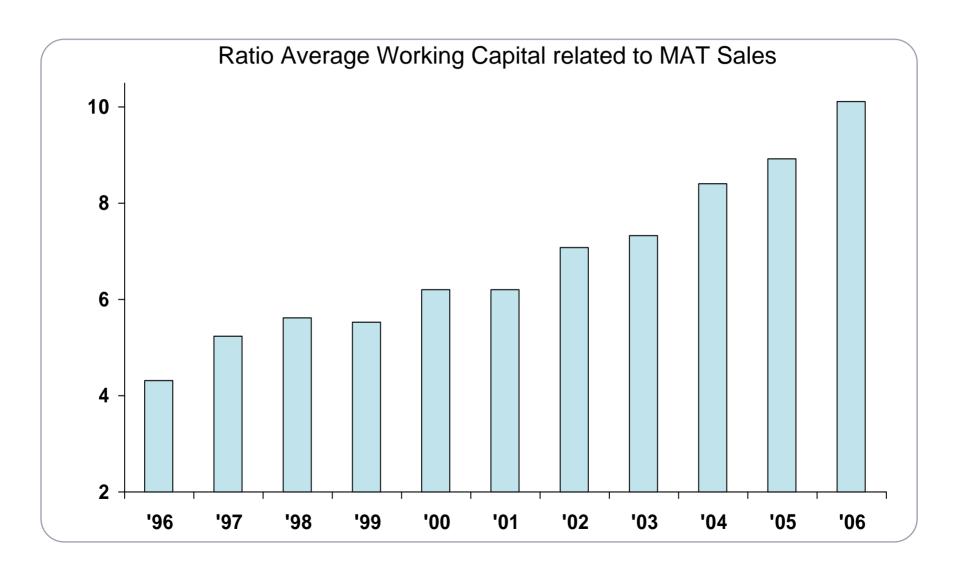
Philips Lighting

Sales distribution by business and region 2007 Q2YTD

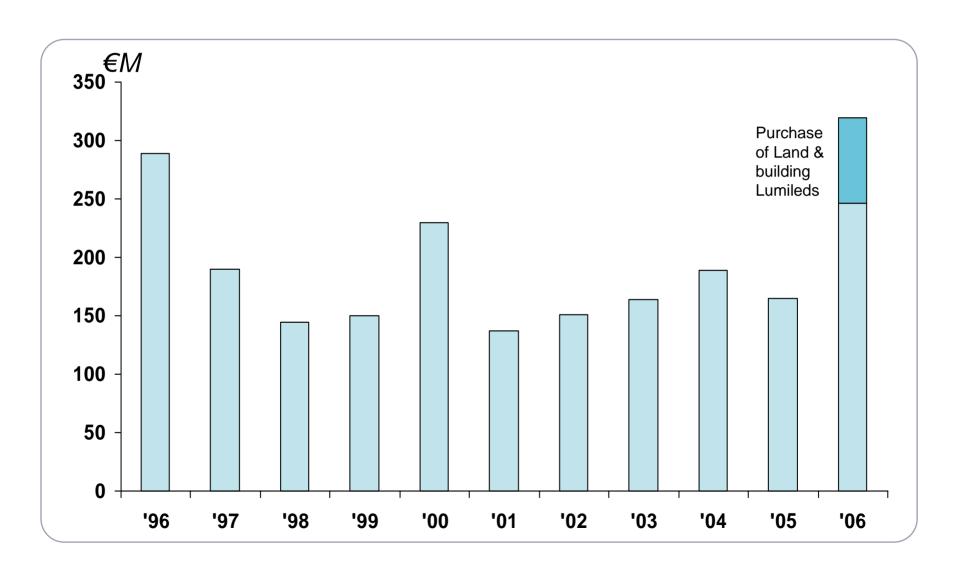




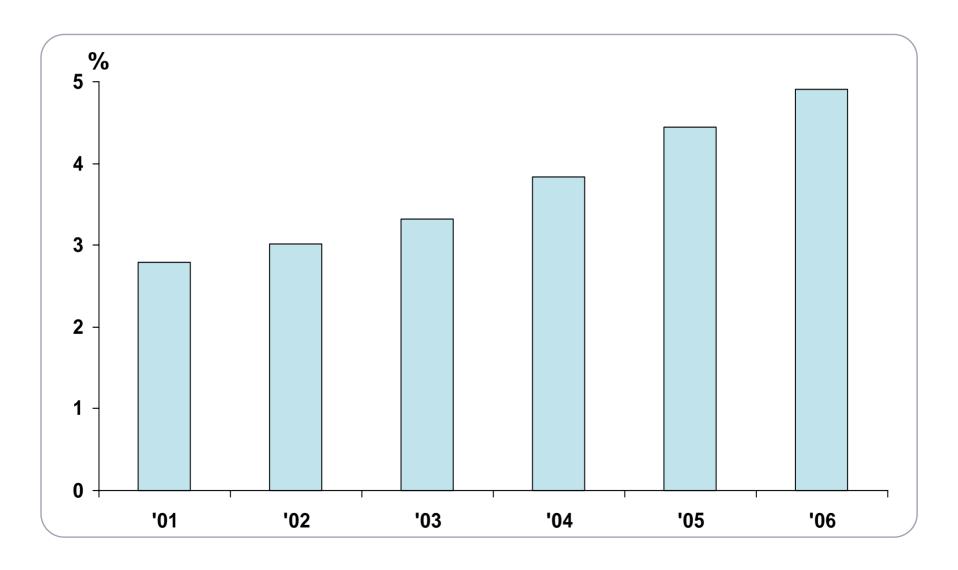
Working Capital turns



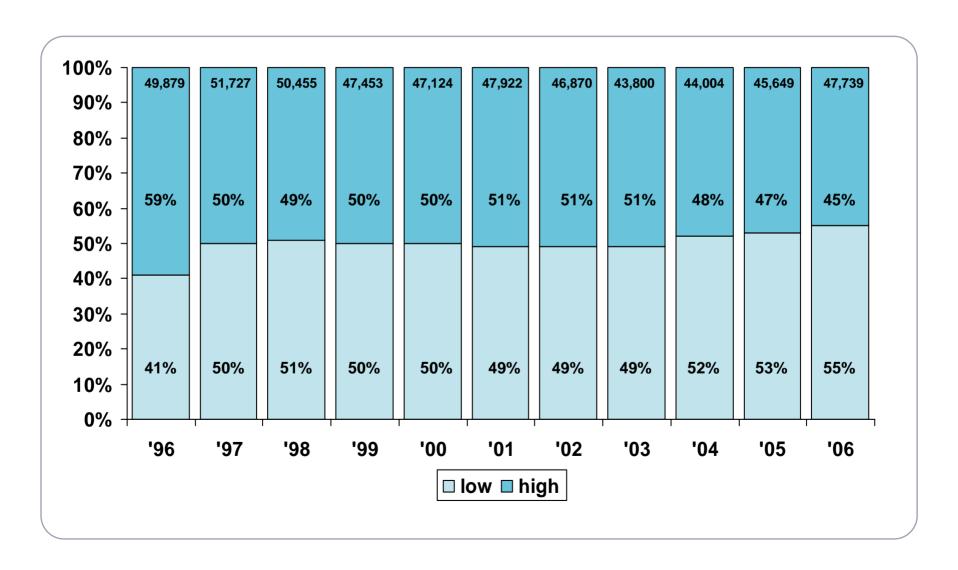
Capital Expenditures



R&D% of Sales



Employees in low/high cost countries

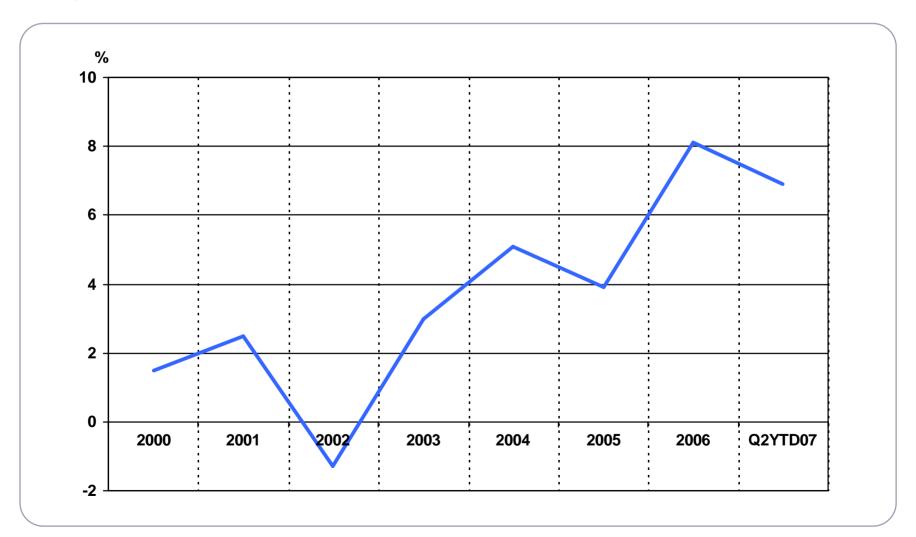


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Philips Lighting: Accelerated growth

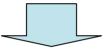
Comparable Sales Growth 2000 – 2007



The lighting industry faces significant changes

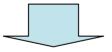
From conventional light sources to solid state lighting

- No replacement of light sources
- Emphasis towards initial system
- Enabling new use of light



From product to application focus

- New use of light requires (re)making of current and new applications
- Close contact to end users needed



From products to controllable systems

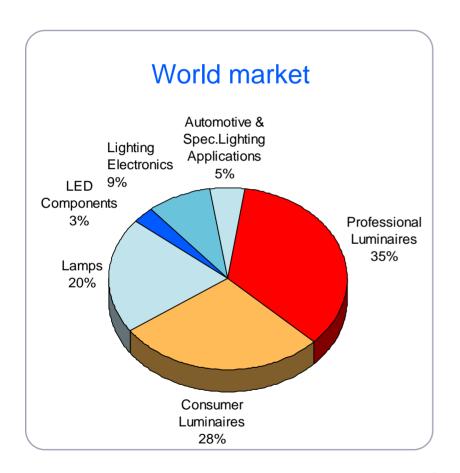
- Enabling scene setting
- Increased importance of control equipment and services

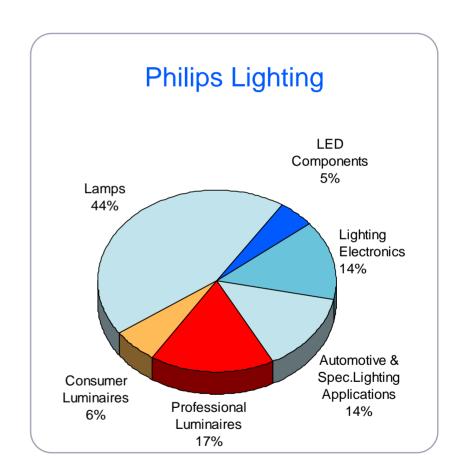


Luminaire systems & Controls play crucial role in transformation towards SSL

- New use of light starts with showing the light effect:
 Luminaires & controls create lighting solutions
- Market driven innovation is key when customer needs are changing: our Luminaire and Control activities are closest to the end user
- Luminaires & controls function as our spearhead in developing the SSL technology
- Gathering vital information about SSL market trends requires footholds for Luminaires & controls in all major markets (regional and application segments)

Luminaires 63% of lighting market of c. €58B*





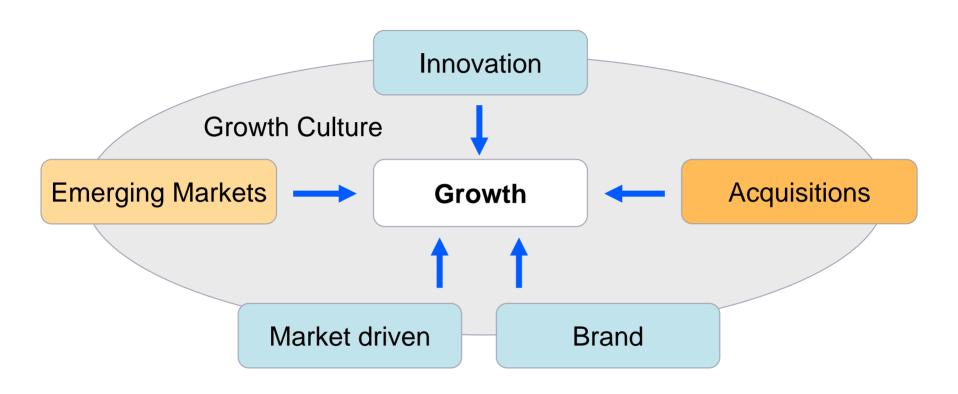
Luminaires only 23% of Philips Lighting sales (2007)

*) 58 B market value measured at supplier level

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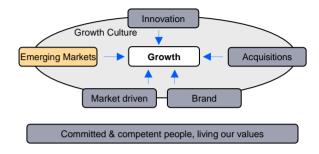
We will pull all levers of growth



Committed & competent people, living our values

We are well positioned in emerging

- fast growth markets

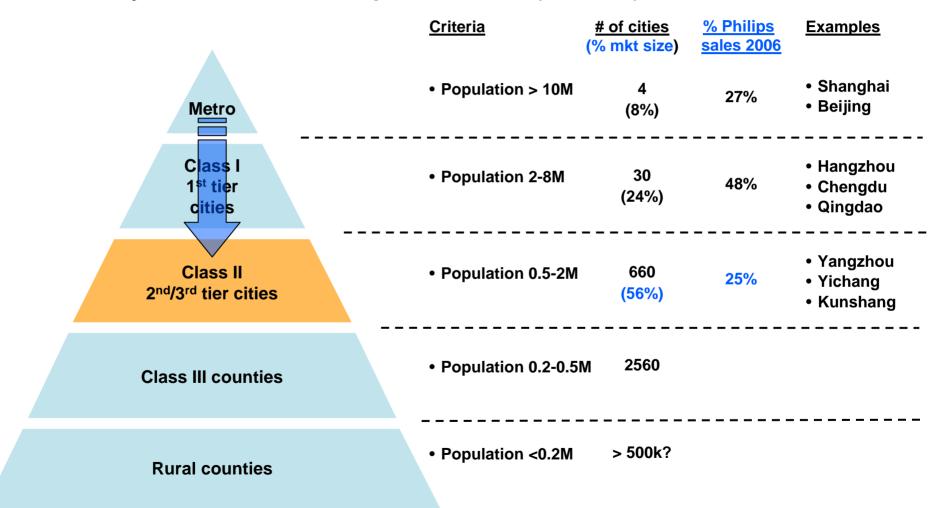


	2006 vs 2005	Q2YTD 2007
	comparable growth	
Latam	7%	11%
C&E Europe	18%	26%
China/HK	18%	19%
India	12%	14%
Asean	13%	12%

Lamps market share '06
31%
32%
14%
41%
39%

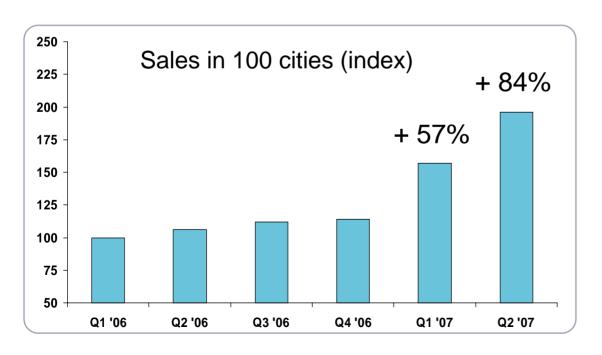
The sales in emerging/fast growth markets represent 28% of Philips Lighting sales

China: 56% of lighting market in 2nd/3rd tier cities but only 25% of Philips sales (2006)



China: Increasing Distribution in 2nd/3rd tier cities

- 4600 outlets added in 100 cities till Q2 2007
- Target to add another 3400 still in 2007
- Target for 2008: another 7000 outlets in next 180 cities





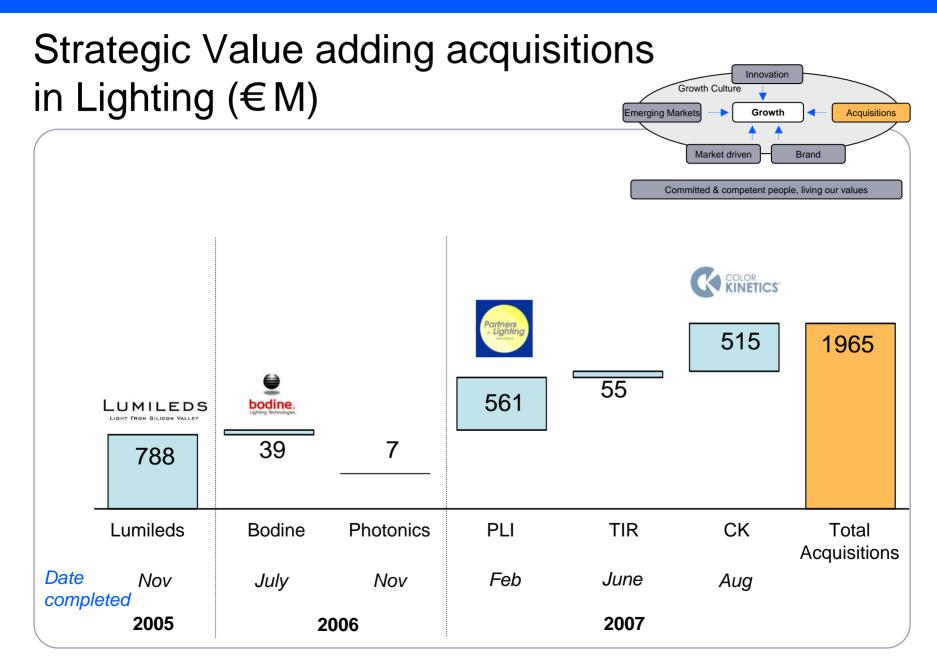
Philips Automotive leading in China

- Automotive Lighting clear market leader in China
- More than 50% of cars in China use Philips lamps
- More than 50% of lamps locally manufactured (Songzi, Hubei Province)









Acquisition of TIR and Color Kinetics SSL modules, systems and controls

TIR

- Strong in SSL module technology for OEM:
 - High quality light (predictable, consistent over time)
 - Tuneable (colours and shade of white)

Color Kinetics

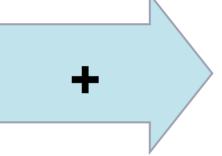
- Innovator and strong player in solid state luminaire business
- Strong presence in USA
- Strong technology and IP portfolio (control and intelligent technology)
- Growth rate of 31%



Market driven organization

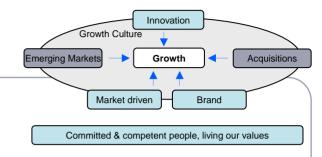
Our History





We understand Physics....
...and make light with it

physics research





We understand Lighting...
...and improve your
business with it

Total Cost of Ownership

Philips Lighting today

Our Mission

We understand people ...and improve their lives with lighting

Our Vision

The Clear Leader; Setting the pace in the lighting industry



The difference:

We understand lighting

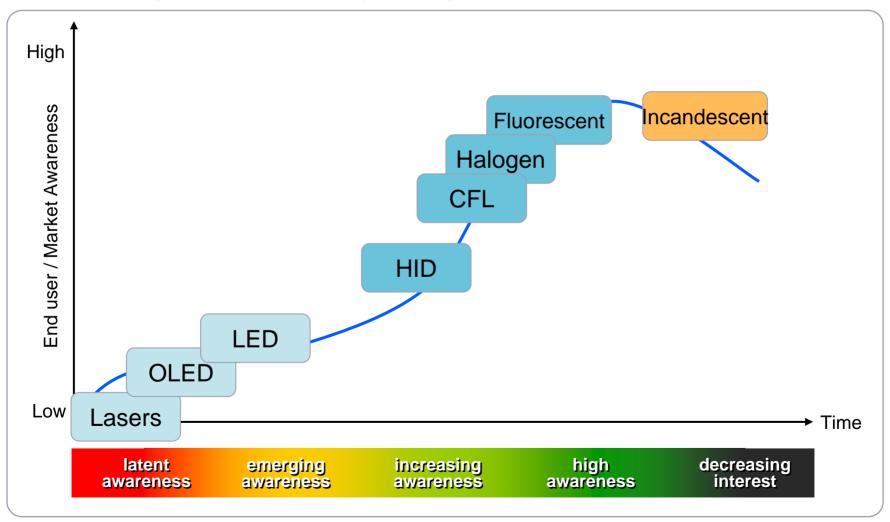


From "more of the same" to "New added value"

We understand people

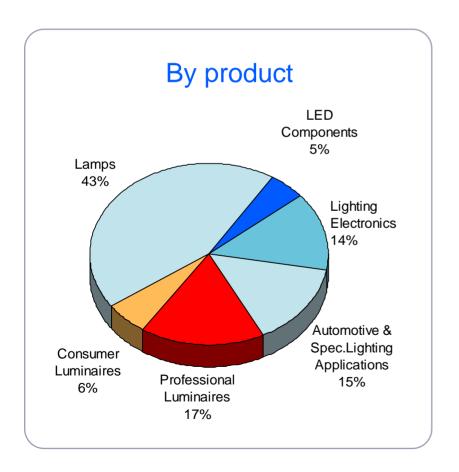


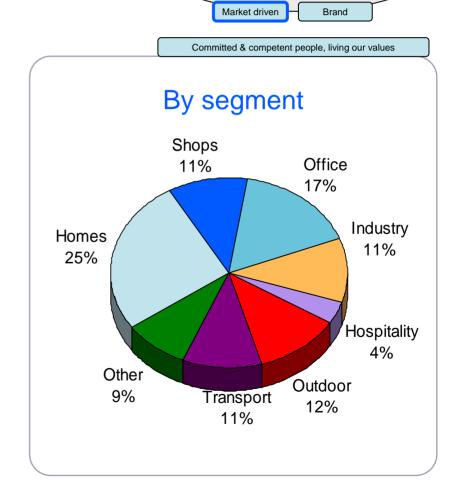
Product-technology innovation will continue to drive growth in Lighting



From Product focus to Segment marketing

Philips Lighting Sales by product and segment





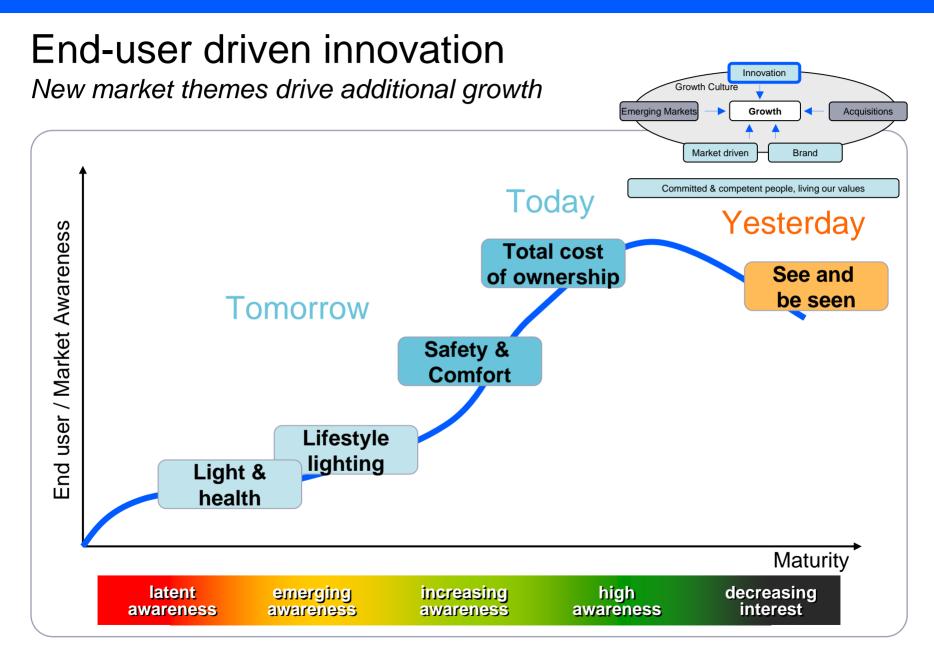
Innovation

Growth

Acquisitions

Growth Culture

Emerging Markets



Example:

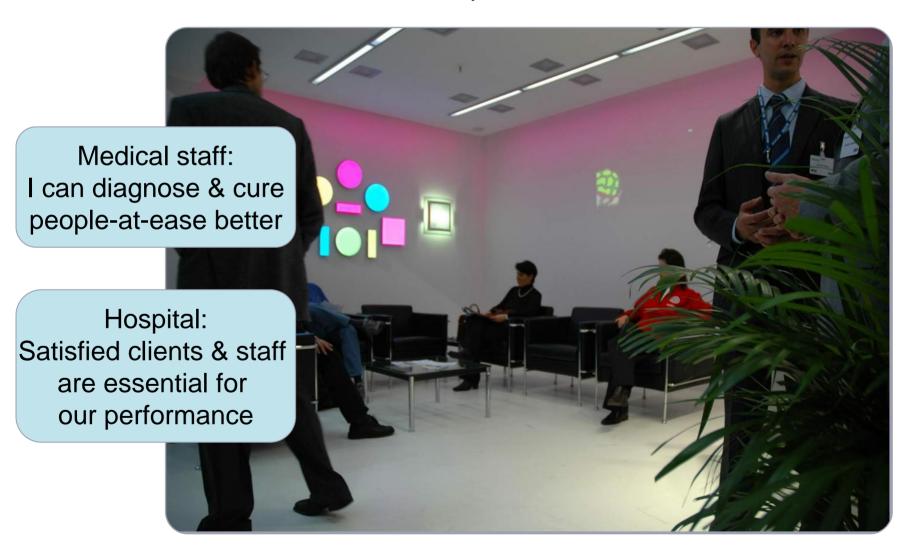
End user insight about waiting rooms....

"I wish the waiting area was a more inviting place where in I would feel less exposed"



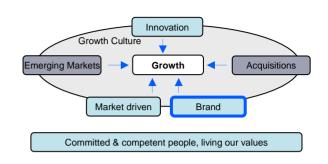
Creating a less intimidating waiting area

Value for clients, medical staff and hospital



Living our brand promise

We empower people to benefit from innovation by delivering on our *brand promise* of



sense and simplicity

it encapsulates our commitment to deliver solutions that are advanced, easy to experience and designed around the needs of our users

brand value USD 7.7 B

2007: 42nd place

2006: 48th place

2005: 53rd place

2004: 65th place

BusinessWeek

Interbrand

Advanced

Easy to experience

Designed around you

Committed and Competent People, living our values

Emerging Markets

Growth

Acquisitions

Market driven

Brand

Committed & competent people, living our values

Building competence

- Driving quality of leadership
- More than 50% of marketing people trained in last 2 years
- 20 Executive potentials per year hired in last 4 years

Building a strong culture of excellence

- Establishing a Growth culture
- Employee engagement towards high performance benchmark
- Over 40% of employees in Quality Improvement Competition

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 - Solid State Lighting

Worldwide: untapped potential of existing lighting technology

Lighting accounts for 19% of electricity use

Potential savings up to 40%

106 billion Euros in electricity costs/year (40% savings @ EUR 10 cts/KWh)

555 million tons of CO₂ emissions/year

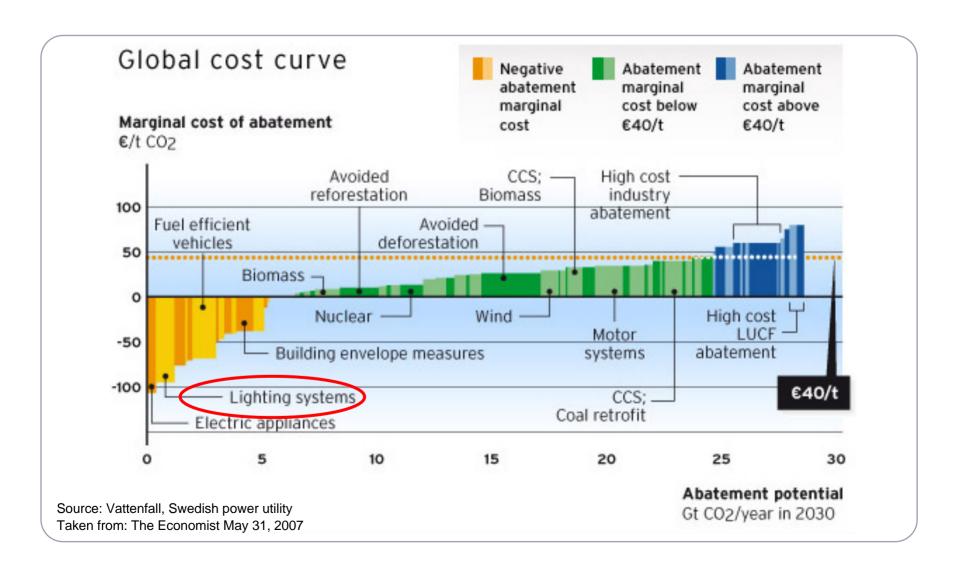
More than 1.5 billion barrels of oil/year

Output of more than 530 power plants (@ 2TWh/yr)



All possible with available technology

Lighting among most efficient ways to cut CO₂



Energy saving opportunity

- Up to 75% of all lighting currently installed is old, less energy efficient
- New energy efficient solutions exist for all market segments
 Lamps, gear, luminaires and controls, tomorrow even LEDs, OLEDs

But:

The current market renovation rates are too slow!
 (e.g. Street lighting 3% per year, Office Lighting 7% per year)



- 1. Awareness Campaigns (public / private)
- 2. Legislation
- 3. Partnerships (public / private / NGO's / utilities)

Automotive: Market driven innovation

- Xenon lighting can save lives
- The TÜV in Germany has presented evidence*, based on analyses of actual road accidents data, that implies:
 - Up to 18% less fatal accidents on German roads as a result of the increased use of Xenon car lighting
- Xenon light reduces
 CO₂ emissions**



Precisely Right.



With Xenon light



With standard Halogen

^{*} Source: TÜV Rheinland study, September 2007, Germany

^{**} Compared to standard Halogen



With standard Halogen



With Xenon light

Growth in Professional Lighting systems

Strength in B2B general lighting application segments



Shops



Healthcare





Road

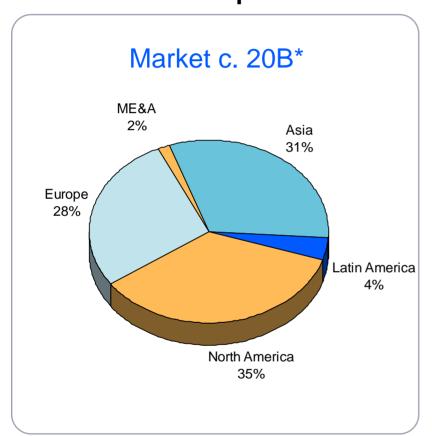


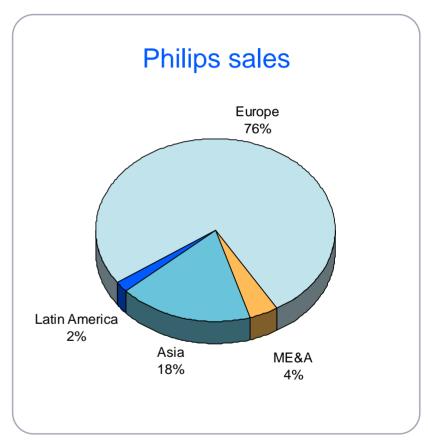
Sports & Open Areas

Industry

City Beautification

72% of professional luminaire market outside Europe





Growth opportunity for Philips based on strength in Europe

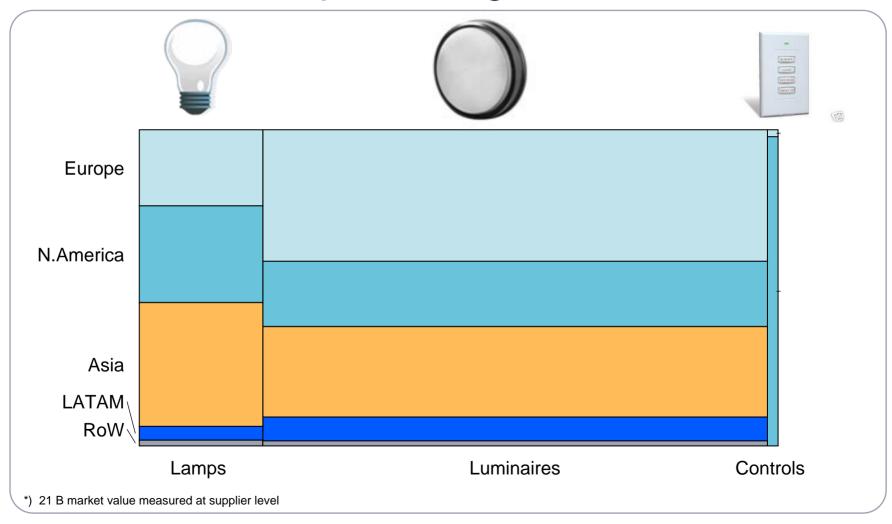
^{*) 20} B market value measured at supplier level

Growth in Professional Luminaires

- Regional Expansion from strong European base in a world wide fragmented market
- Market driven innovation (especially with solid state lighting)
- Growth opportunities in
 - Energy saving solutions for outdoor and indoor
 - Ambience creation



The global home lighting market is c. €21B* with luminaires representing around 80%



PLI: Leading European Consumer Luminaire player

- Enter new market segment for Philips Lighting: Consumer Luminaires
 - Leveraging of each others sales channels in Europe
 - Regional expansion by leveraging Philips' global reach



- To become the global industry shaper in the Home LED application market
 - Combining Philips Leadership in LED with PLI's competence to quickly address market and consumer lifestyle trends

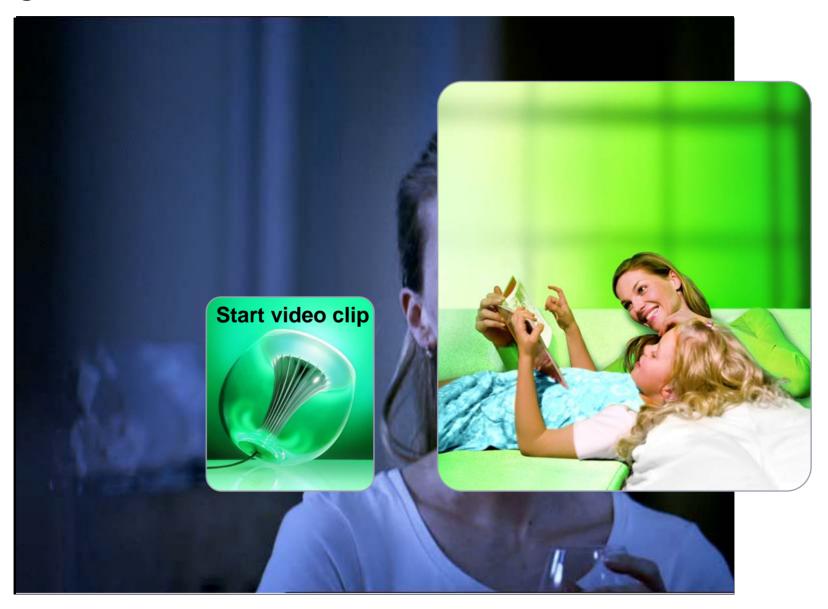




Emerging Scene setting in the home.....

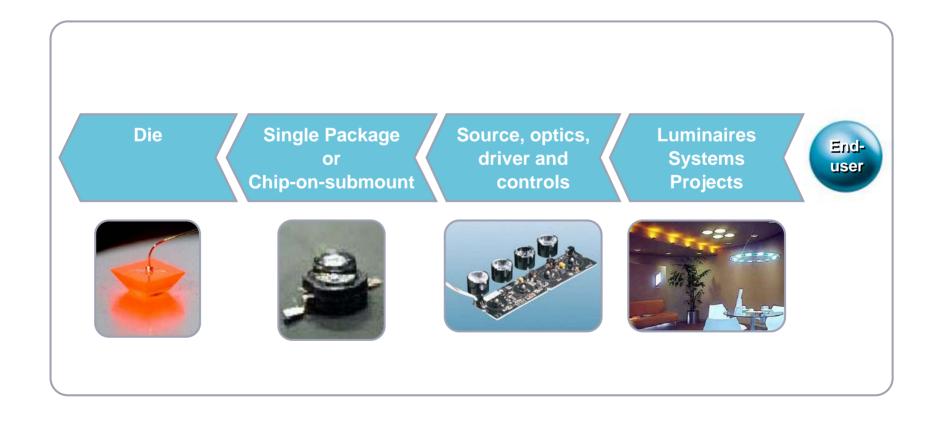


Living Colour advertisement



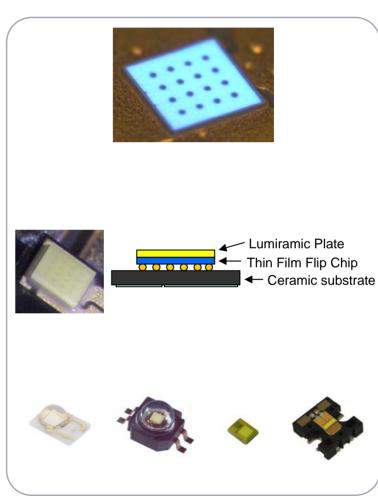
How we create value in Solid State Lighting

- Philips only player covering the whole value chain
- End user needs will have impact on LED components



LED components: sustained technology leadership

- Epitaxy
 - Thin Film Flip Chip industry leading light output and efficacy
 - No Droop efficacy at high current (>1Amp)
- Phosphor
 - Lumiramic consistent, uniform white light at any selected color temperature
- Packaging
 - LUXEON Rebel>100 lumens/Watt
 - LUXEON K2 Widest operating range



Enables never before possible lighting applications that are environmentally friendly

 More than 100 Million LUXEON Flash, enabling quality images in low light environments.



 Automotive LEDs: new design and styling for headlamps and daytime running lights.



 Philips Lumiramic: colour predictability, simpler and more efficient LED lighting (enabling illumination – general lighting)



Automotive: Market driven innovation

Introduction of world's first full LED headlights in Audi R8

- Enabled by Philips LED technology
- for highest brightness and superior color control
- Thin Film Flip Chip structure
- Lumiramic phosphor coating



SSL components: Organic LEDs

- Potential for large area energy efficient light sources
- Pre-pilot line installed and running
- Good technical progress:

2006	2007
25 cm ²	200 cm ²
25 lm/W	39 lm/W
monochrome	2 color variable

- Mass production to enter general lighting ready in 2012
- Meanwhile product development for niche applications





SSL Components: lasers

Lasers

- Develop basic laser technology
 - We acquired Photonics a laser manufacturer based in Ulm, Germany
- First volume laser application:
 - Movement-sensor
 - PC mouse
 - Tracker-ball
 - Game controller
 - Notebooks
 - Mobile phones





SSL Added value

Solid state Freezer lighting

Benefits

- Up to 70% lower energy use
- Better visibility of the frozen food
- Sustainability: no mercury, no lead

Trusted partner for new technology

 Introduction several accounts Europe and North America

Growth opportunity

- Market size 2010: 250 M€
- Entry point for LEDs in supermarkets



SSL Signage:

Philips Affinium Ledstring up to 75% savings in energy consumption over neon



Additional value in:

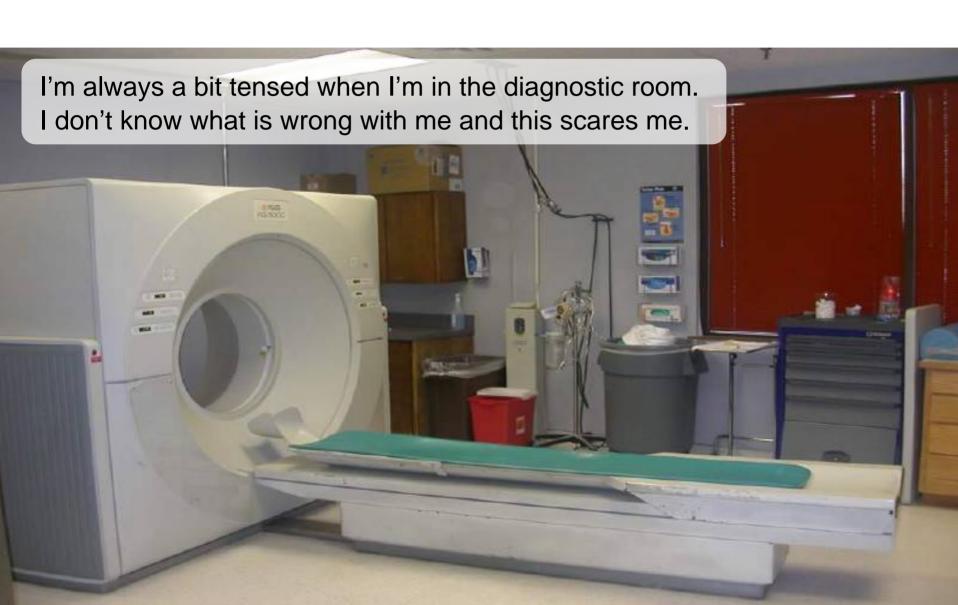
 PC tool for sign-maker to calculate optimal placing of LEDs within signs

City beautification: Buckingham Palace

Energy consumption 45 Eurocents per hour



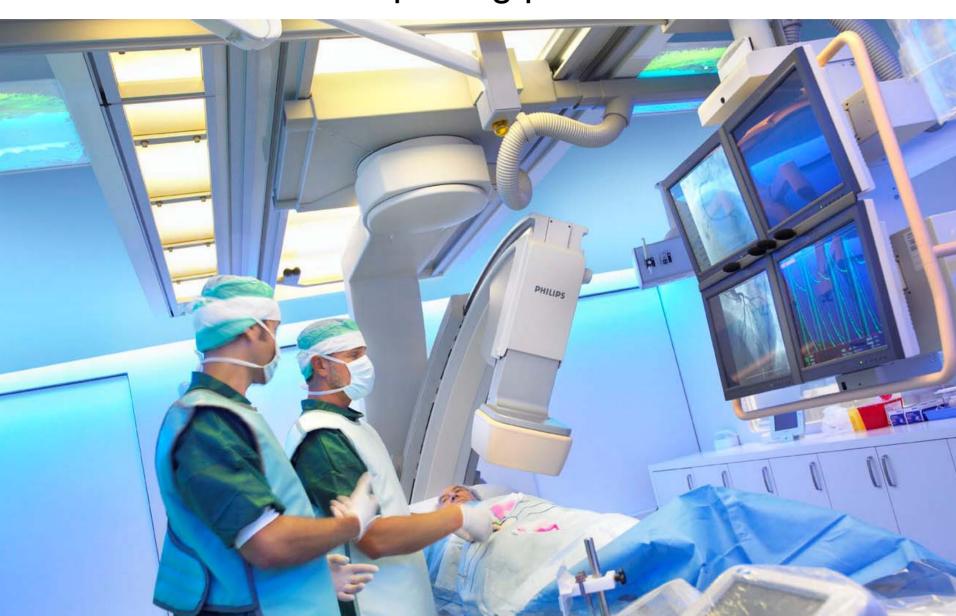
Ambience creation: putting patients at ease



Ambience creation: putting patients at ease



Ambience creation: putting patients at ease



Ambience in Shops

More embedded light points to be controlled









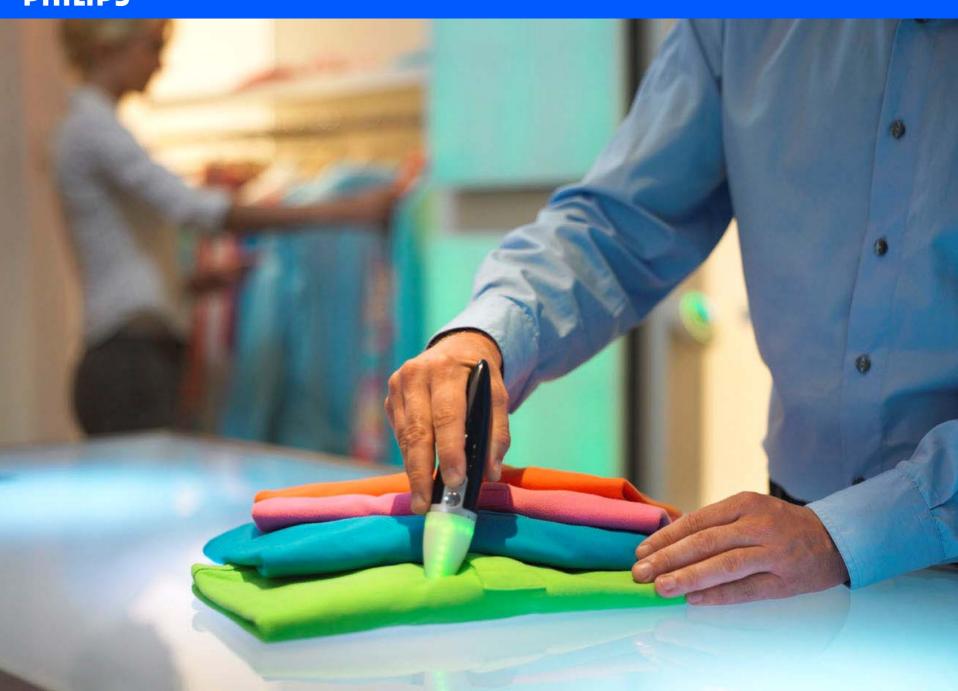
Porsche showroom, Oirschot, Netherlands

Huzur, Altunzade, Turkey

Added intelligence: The color-mouse

Cut & paste color in reality







Summary

- Strong Market driven Growth opportunities
- Crucial to Engage our Customers and People
- We measure with two simple indicators (% "absolutely" on the question)
 - Do you advise a good friend to buy from us
 - Do you advise a good friend to work for us

Do you advise a good friend to invest in us?



sense and simplicity