

# SMART *Large Area* *Flexible & Elastic* LIGHTING



- 1. TECHNOLOGY**
- 2. INTRO LIGHTING SOLUTIONS**
- 3. LARGE AREA LIGHTING**
- 4. DEVELOPMENT KITS & DEMOS**
- 5. SENSING TEX AT A GLANCE**





# TECHNOLOGY

## Patented Technology to revolutionize Smart Textiles:

- **Printed Stretchable Electronics on Fabrics**
- **Elastic & Plastic Fiber Optical Fabrics**



www.sensingtex.com



www.sensingtex.com



# INTRO LIGHTING SOLUTIONS

- **Luminous Tex**  
(Fiber Optical Fabrics)



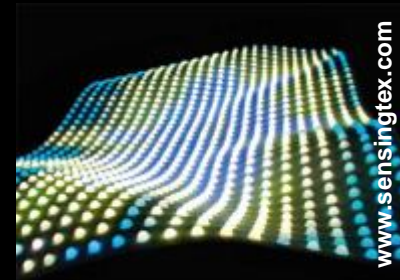
- **Luminous EL Tex**  
(Stretchable EL on Fabric)



- **Luminous Elastex**  
(Elastic Fiber Optical Fabric)



- **Luminous iLED Tex**  
(Stretchable LED Screens on Fabric)





# SMART LARGE AREA ELASTIC LIGHTING

### *Luminous Tex / ElasTex*

- Large illuminated Area
- Low Power consumption
- Flexible and Stretchable
- LED Technology
- Vin: 3.7V
- RGB
- Customizable
- Flexible Tex and Stretchable ELASTex
- Low volume/less components [about 2x2 mm MIC]
- Embedded Technology





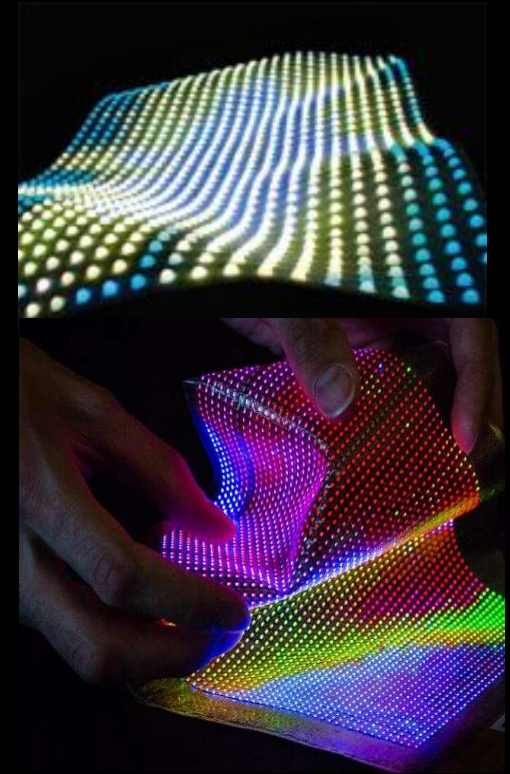
### *Luminous EL Tex*

- Large homogeneous illuminated Area
- Printed Solution
- Low power consumption
- Vin: 3.7V to 200VAC @ 800 Hz
- IC drivers (low volume about 3x3mm)
- Embedded technology
- Stretchable 3D shapes
- Flexible and Stretchable
- **Potential development of EL Screens**



## Luminous iLED Tex

- LED technology
- Resolution 1LED/2 mm
- Flexible, Stretchable and Easy Integration
- Customizable
- Low Power Consumption Vin. 3.7  
15mA/LED
- Low volume/less components
- Embedded technology
- Show messages directly on the Backplate
- Minimal Routing by Charliplexing



**Sensing·Tex**



Development Kits & Demos

*Lighting that becomes  
SMART!!*

*Discover Our*

**PLATFORM**





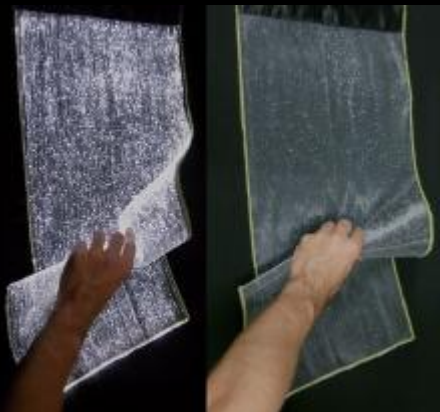
# DEVELOPMENT KITS & DEMOS



## Development Kits & Demos

Luminous Dev Kit

LIGHTING TEXTILES



HARDWARE  
SDK



APP  
Available



PST Dev Kit

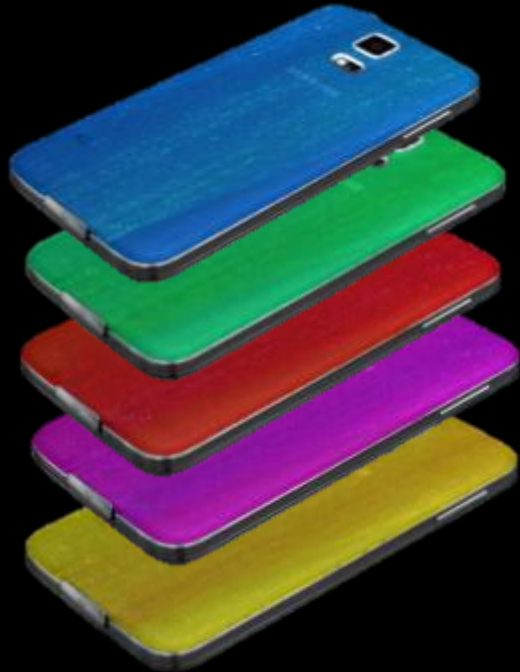


# Sensing·Tex



## Demo Luminous Case (Luminous Tex)

### Your own Colors for Fashion and Notifications!

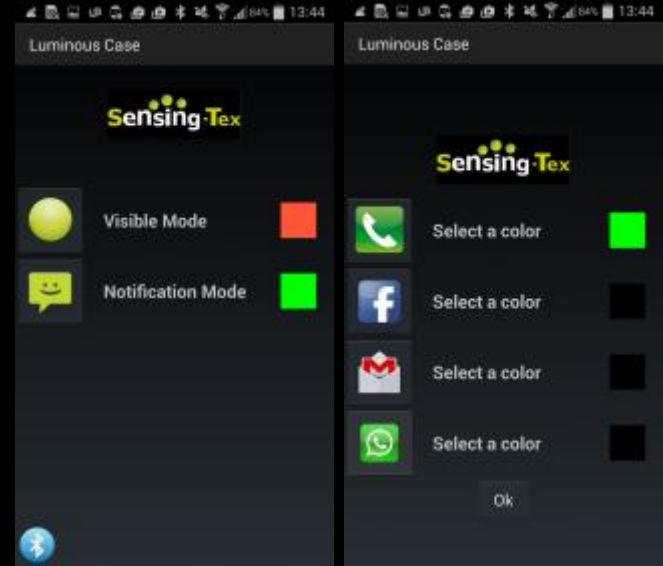


## Development Kits & Demos

APP  
Available



Luminous Case



**Sensing·Tex**



**Luminous EL Tex Dev Kit**



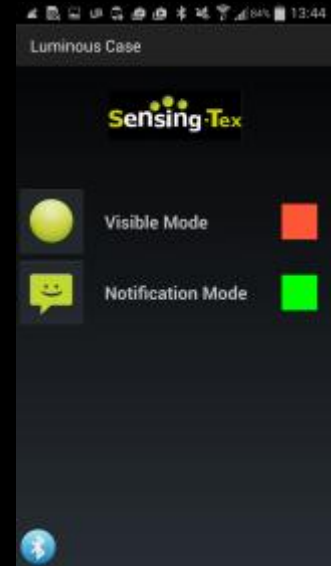
**Your Brand  
illuminated or your  
Logo sections  
animated!**

**Development Kits & Demos**

**APP  
Available**



**Luminous EL Case**

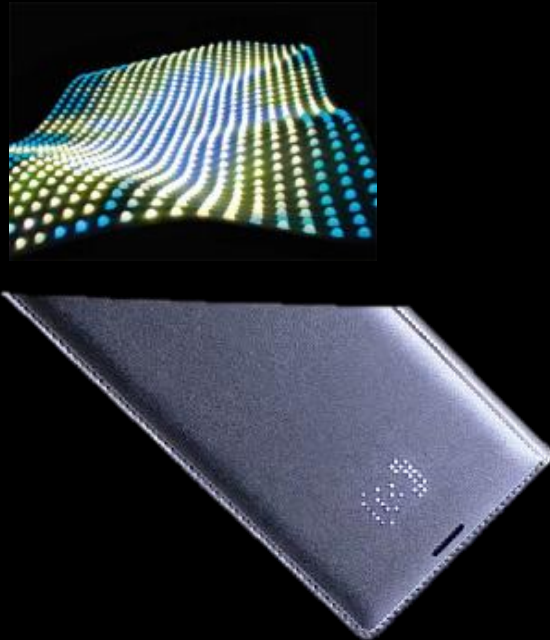




## Development Kits & Demos

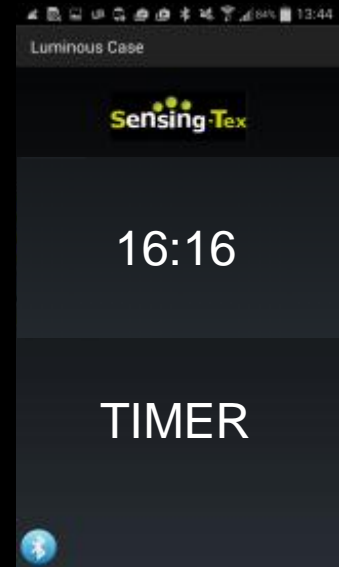
### Demo Flip Cover & Luminous iLED Dev Kit

APP  
Available



Your own Text  
Messages for  
Notifications!

### Luminous Flip Cover





# Sensing·Tex



## Demo Personal Lighting Dev Kit



**Safety Colors,  
Notifications of your  
Bio-signals and Social  
Networks!**

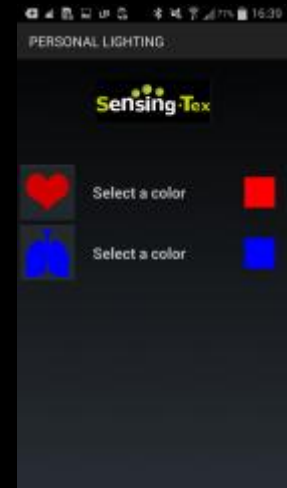
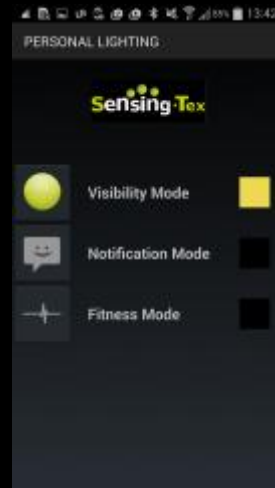
**BT Module and OTG  
Available**

## Development Kits & Demos

**APP  
Available**



**Personal Lighting**





## Demo Luminous Curtain



**iMood Ambient  
Smart Lighting in  
your Room**

## Development Kits & Demos

APP  
Available



Luminous Curtain





# SENSING TEX AT A GLANCE

## SENSING TEX AT A GLANCE

### CUSTOMERS



### CLUSTERS



### AWARDS

caixaManresa

PREMI EMPRENEDORS'08



### EU PROJECTS



### EVENTS

SMART TEXTILES SALON



## BARCELONA





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