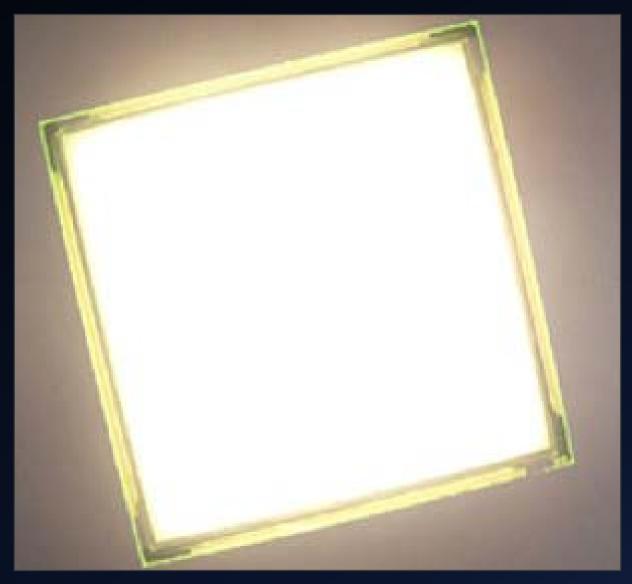




## EVEN DIFFUSE LIGHT

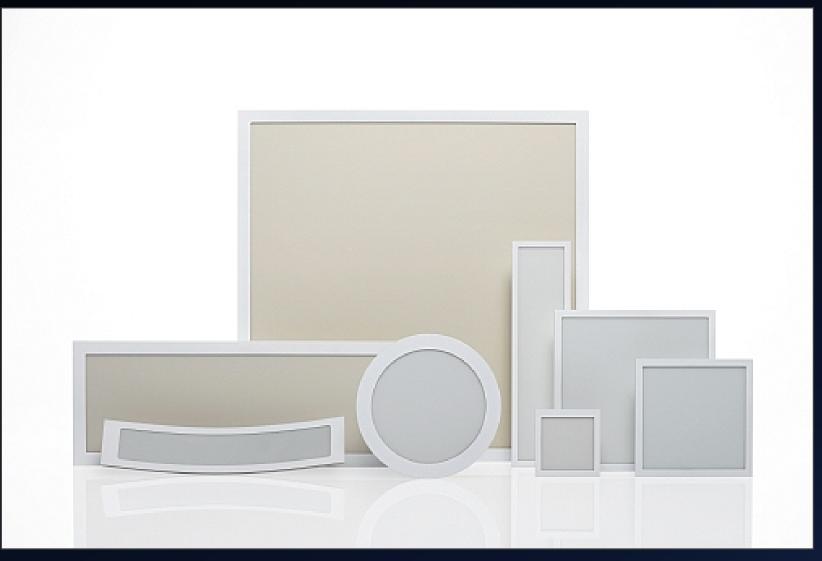




# THIN PROFILE









### FLEXIBLE





# NO HEATSINKING REQUIRED



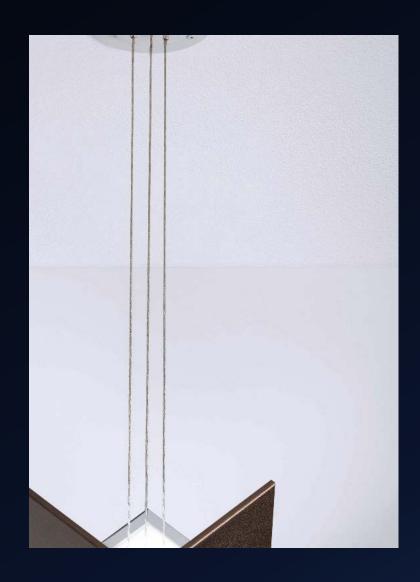


## CLEAR WHEN OFF











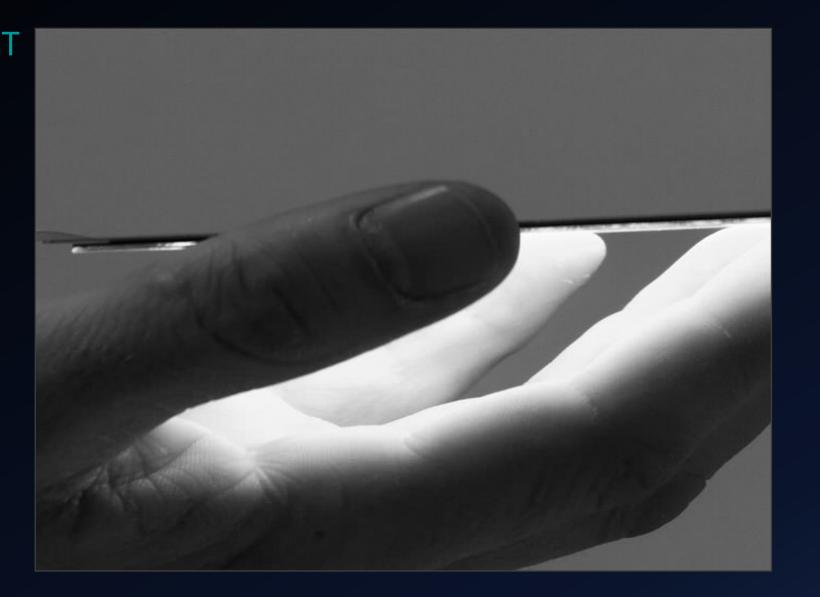
# Challenges Designing with OLEDs



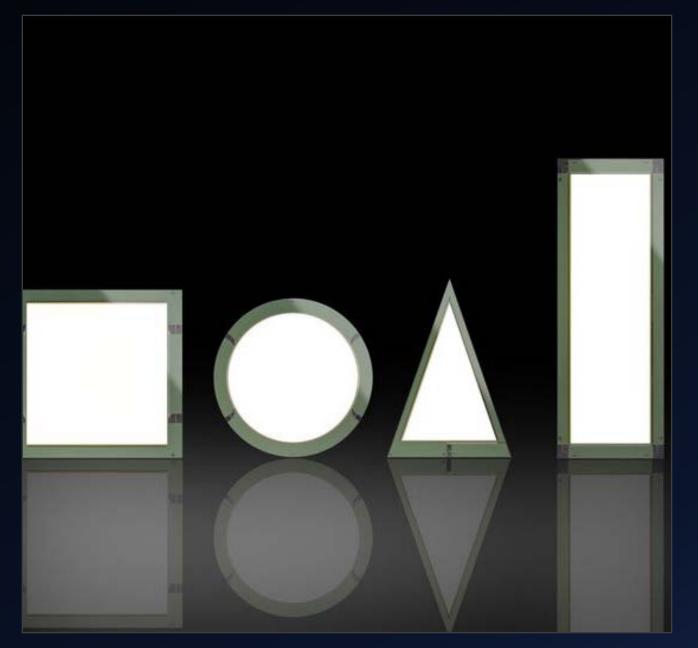














### HEAT DISSIPATION







FRAGILE

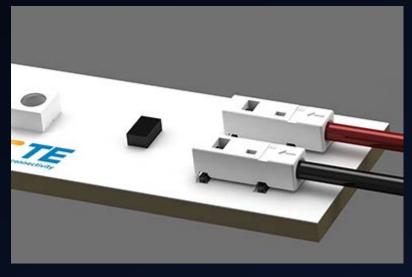
Panels that break or crack

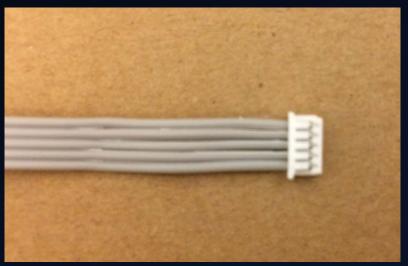
Broken leads



#### WIRE MANAGEMENT AND CONNECTING TO POWER SUPPLIES

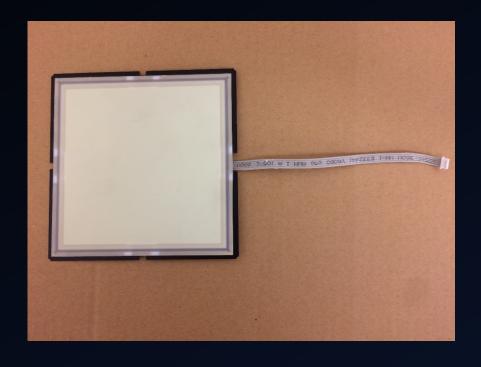


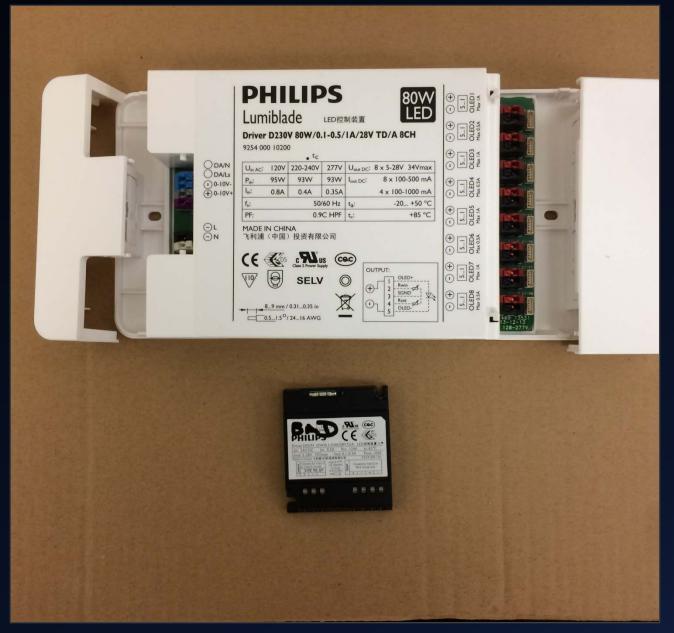






#### WORKING WITH PANELS, DRIVERS AND POWER SUPPLIES







# DETERMINING END OF PANEL LIFE





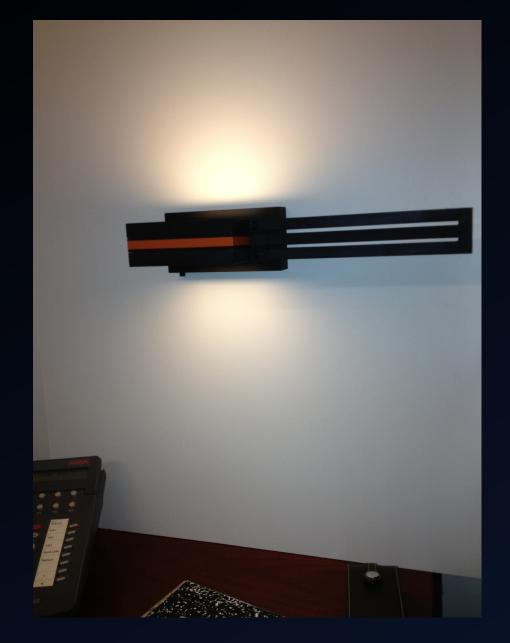
# Progress we have made as a Manufacturer





	LED	OLED
Task Lamp Concept	2002	2013
Sconce and Pendant Concepts	X	2014
Pendant Concepts	X	2015
Produced Custom Fixture	2006	X
Produced Standard Product Pendant	2007	2016
# Years from concept to Production	5	4

#### FIRST OLED CONCEPT MODEL





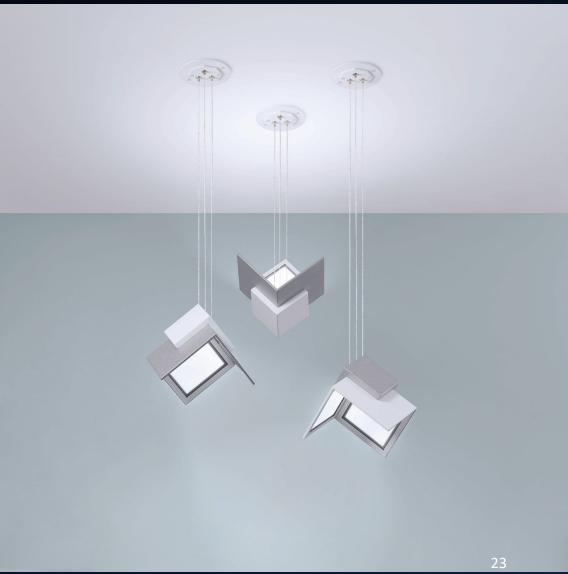
### OLED CONCEPT MODELS



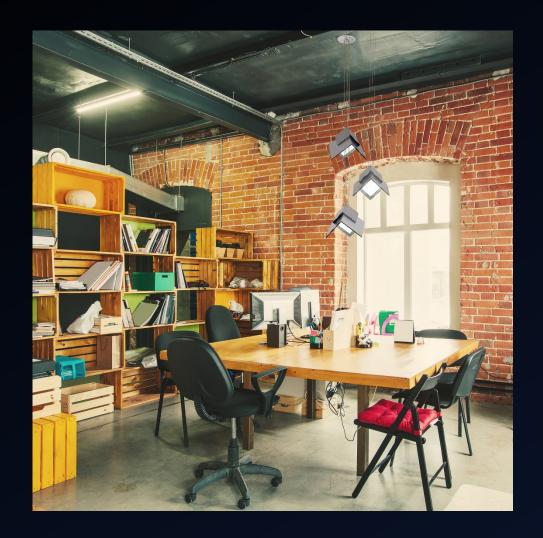


# 2015 OLED CONCEPT MODELS



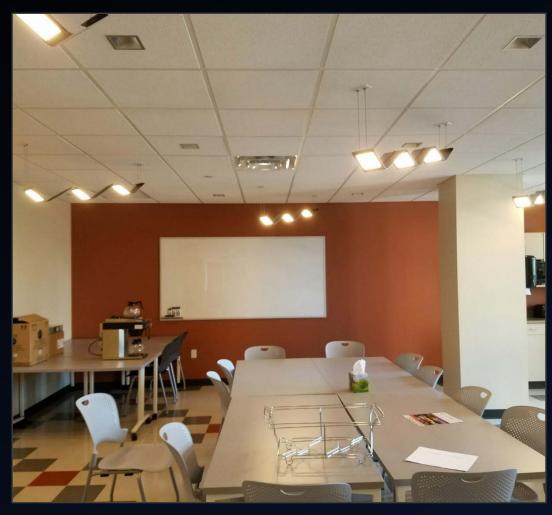


### 2016 FIRST OLED PRODUCTION FIXTURES



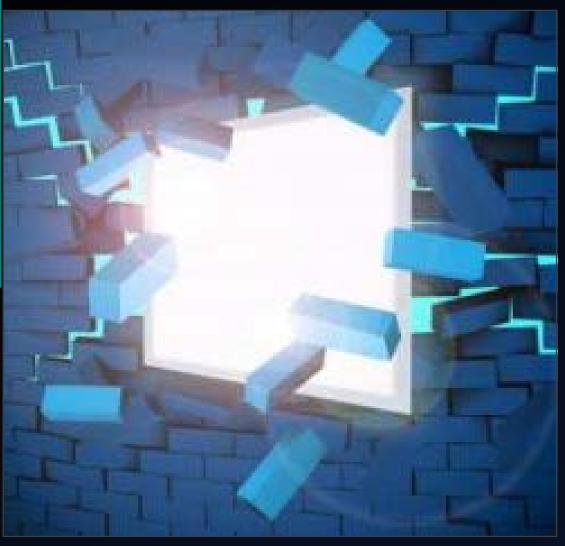


### DOE GATEWAY PROJECT DKB ACCOUNTING FIRM ROCHESTER NY





### MAKING OLEDS MAINSTREAM



Improve Lumen Output

Reduce Cost

Improve Durability

Zhaga Standard Panel Sizes, Drivers and Connectors

**Educate Public** 

## Come see the



# VISA LIGHTING OLED Display

AN OLDENBURG GROUP COMPANY

at









Architectural Lighting's 30<sup>th</sup> Anniversary Celebration

A 2016 PechaKucha Night



New York City, Canoe Studios: December 8, 2016

