



# The future of Port and Terminal lighting



Wiam Afifi:

Market Manager-Europe

# Phoenix Company: 125 Years in Business

## History

- Founded in 1892 by George Wordingham
- Family owned Company: Wordingham and Fredrick families
- More than 120 employees



## Lighting Experience

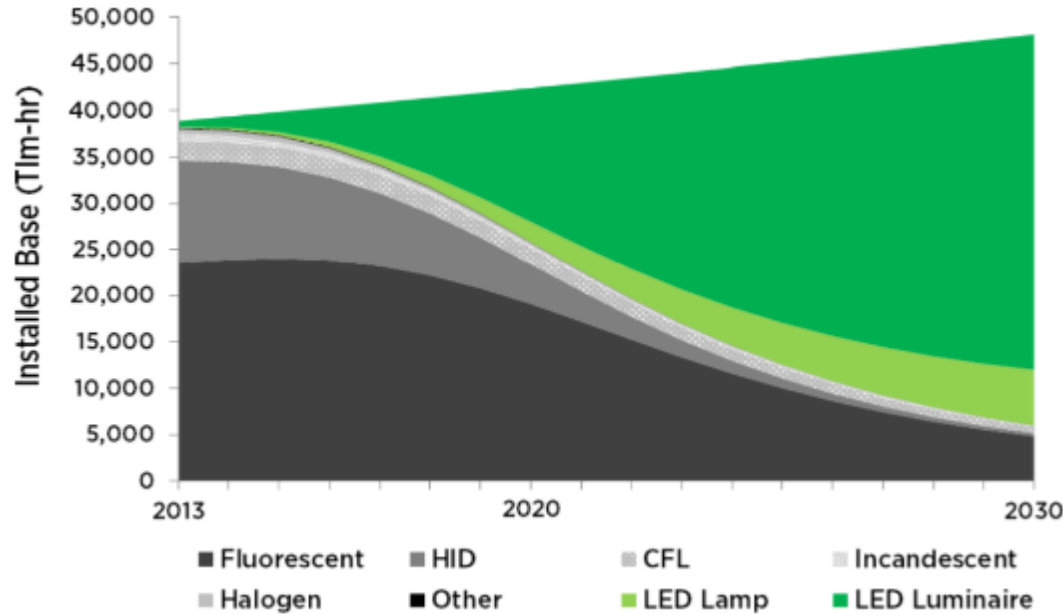
- 1950's: Above Ground Mining
- 1970's: Marine Vessels
- 1980's: Port Equipment
- 2009 : Installation of First Led Fixture



# Lighting Industry Trends



The LED lighting revolution

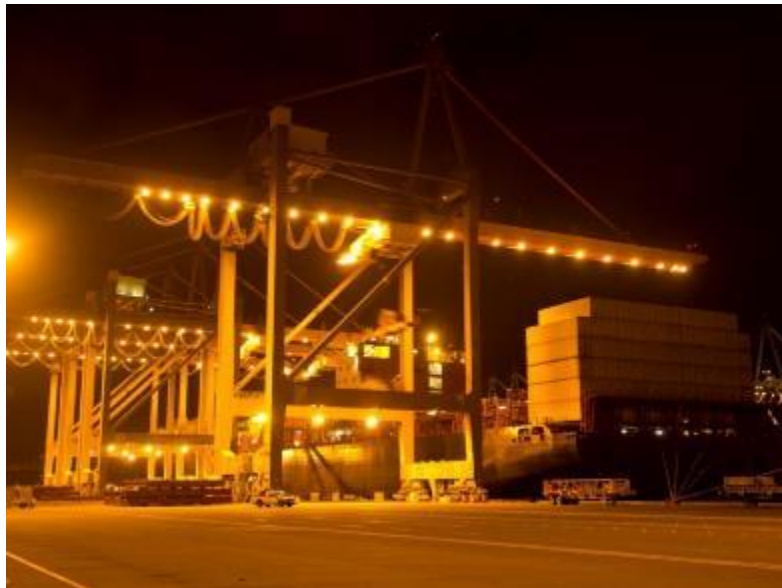


65% LED generated illumination by 2025

# Implementation Trends

## Color Temperature

### HPS/HID lighting



**Vs**

### LED Lighting





# Implementation Trends: Equipment specifications

- ✓ Instant On
- ✓ Better visibility
- ✓ No Maintenance







**ModCom® SERIES**  
LED Floodlight

**Port of Los Angeles -  
4 x ModCom® Hi  
300W LED  
Floodlight on STS  
Trolley**



**PHOENIX**

# Choosing a LED fixture ...



 **PHOENIX**  
Terminal Solutions®  
A division of The Phoenix Company™

1892 **125** 2017  
— THE —  
**PHOENIX COMPANY™**



# Implementation Trends

## Yard Illumination

No Light Pollution

Light Control

Brightness

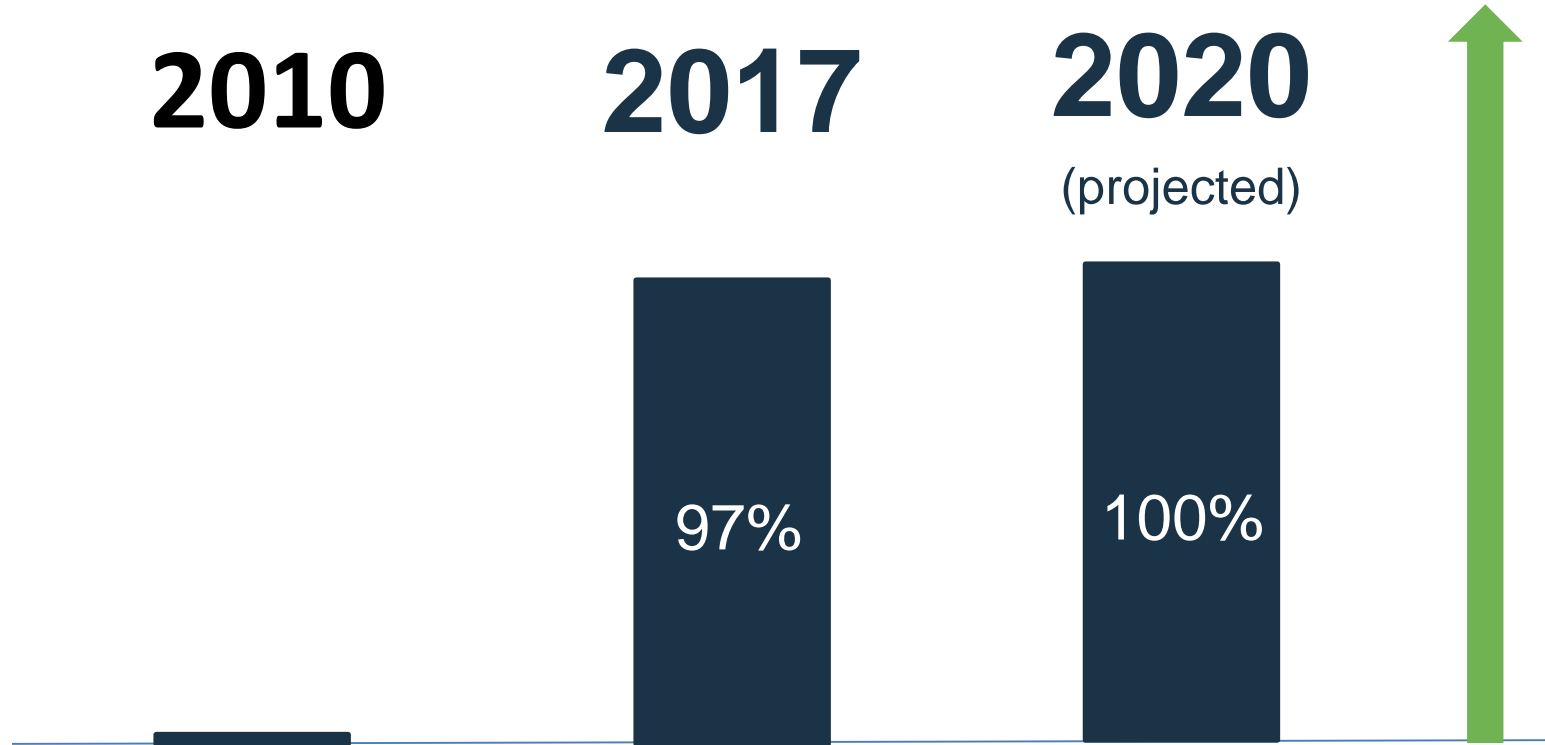


# What's next for HID lighting?

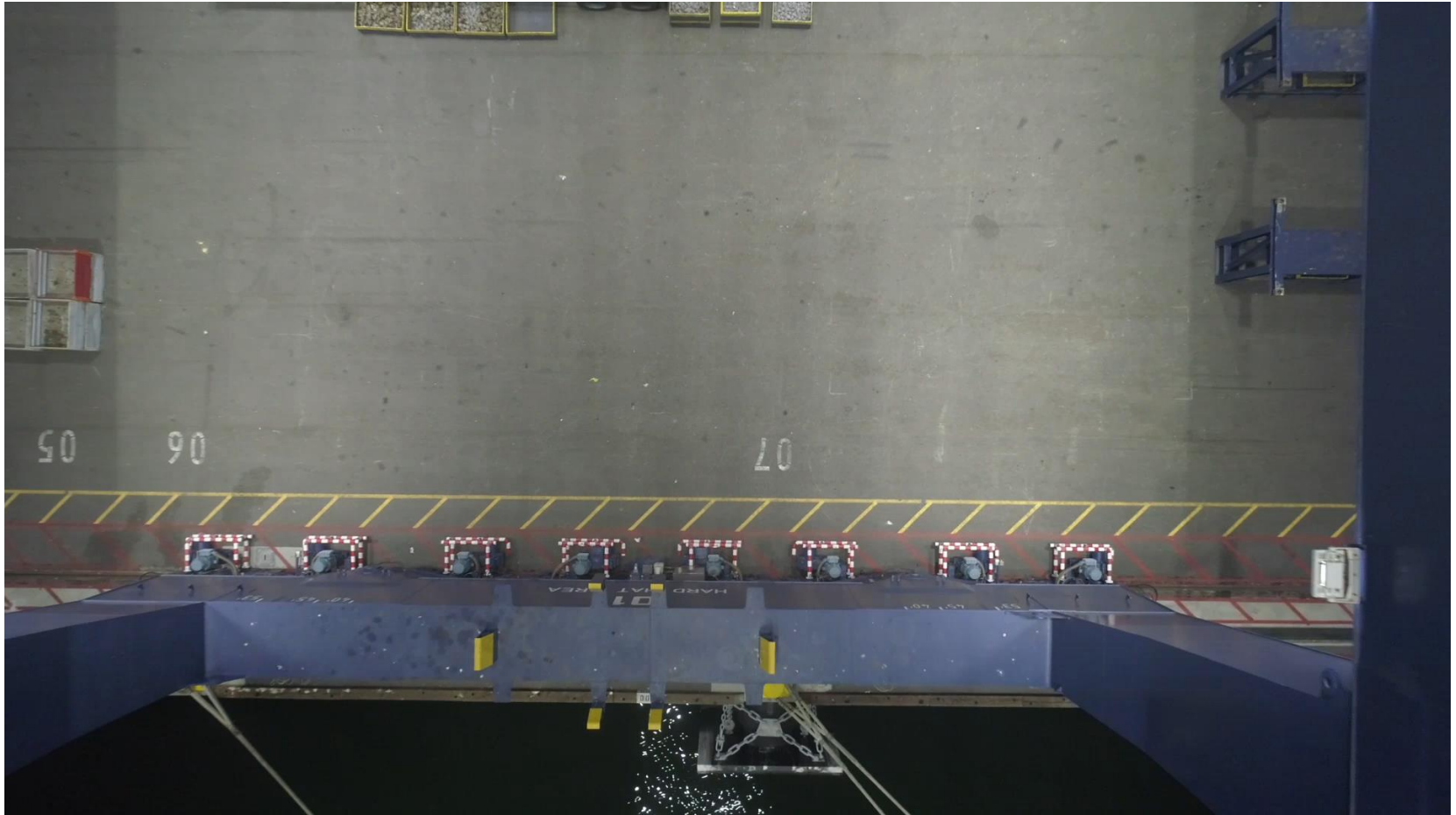


Not much ...

# Port Lighting Market









# Thank you

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