

# DC / Hybrid Lighting Design Templates

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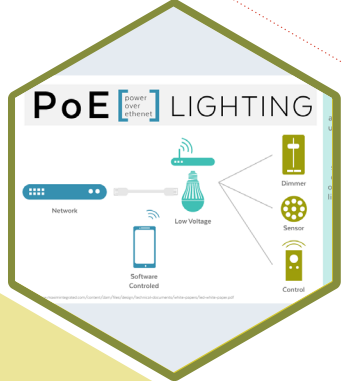
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24V DC Ceiling Grid Lighting

(PoE) Lighting



USB Lighting

Low Voltage DC



Emergency Lighting

Costs:

Costs:

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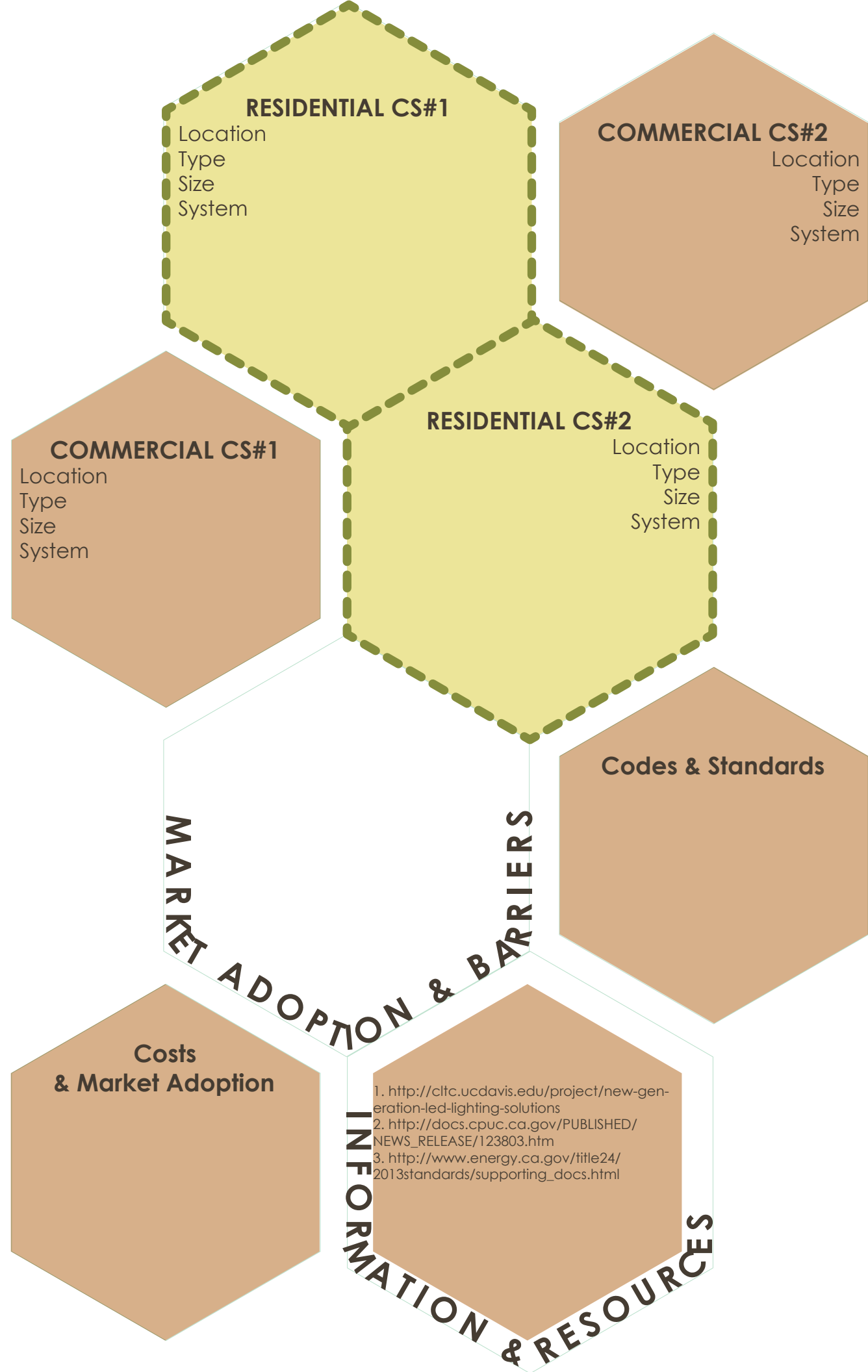
Costs:

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# DC Hybrid Lighting

## FEATURES & BENEFITS OF DC / HYBRID LIGHTING

Widespread adoption of LED lighting is poised to be the single, largest advancement in lighting efficiency during the 21st century.<sup>1</sup> LEDs are DC devices, and run more efficiently directly from native DC current.

The CPUC has adopted a plan to transform the lighting market and achieve 60 - 80% reductions in lighting energy consumption, over a 2010 baseline, by 2020.<sup>2</sup>

Energy consumption for lighting accounts for nearly 20% of the California's electricity demand. AB 1109 requires that average statewide lighting energy consumption in 2018 be reduced by 25-5-% from 2007 levels.

The new standard in California (Building Energy Efficiency Standards Title 24, Part 6), requires lighting controls and demand response capabilities (known as adaptive lighting), which automatically turn off or dim lights when they are not in use or needed.<sup>3</sup> Capabilities like these are ideally met by DC Hybrid lighting which naturally combines power and data.

Introduction to systems & applications for residential and commercial construction.

