

## DOCKETED

<b>Docket Number:</b>	15-AAER-06
<b>Project Title:</b>	Small Diameter Directional LED Lamps and General Purpose LED Lamps
<b>TN #:</b>	210101
<b>Document Title:</b>	Various Public Comments: Docket Number 15-AAER-06
<b>Description:</b>	N/A
<b>Filer:</b>	System
<b>Organization:</b>	Various Public
<b>Submitter Role:</b>	Public
<b>Submission Date:</b>	1/29/2016 1:41:49 PM
<b>Docketed Date:</b>	1/26/2016

*Comment Received From: Various Public*  
*Submitted On: 1/29/2016*  
*Docket Number: 15-AAER-06*

**Docket Number 15-AAER-06**

Various public comments submitted after the deadline (5p.m., January 22, 2016)

*Additional submitted attachment is included below.*

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 11:03:29 PM

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Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

The CEC has proposed stronger standards for LED lighting, which will save Californians billions in the coming years, and cut greenhouse gas emissions (GHG). These standards also allow us to enjoy the quality of full-color lighting we had with traditional light bulbs, but in an eco-friendly way.

However, opponents of the proposal claim the CEC wants to promote LED lighting that is more expensive and less efficient. This is a misunderstanding of what is being required of the lamps. The function of the general service lamp is to both illuminate a room and provide the ability to discern colors. Efficiency would be defined as its ability to perform both tasks with less energy. The opponents want to "improve" efficiency by making light bulbs that only do half the job. That's not efficiency, that's poor service.

In other words, the opponents want me to pay for bulbs that don't deliver.

As a consumer, I don't want the industry to short change me. I want robust standards that allow me to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Sampson Chan

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 9:53:46 PM

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Dear California Energy Commission,

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Sincerely,

Bryan Lancaster

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 5:48:42 PM

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Sincerely,

Diane Berliner

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 5:40:19 PM

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Sincerely,

Courtney Merritt

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 4:56:17 PM

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Sincerely,

Jane Field

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 3:51:50 PM

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Sincerely,

Patricia Appel

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 3:14:27 PM

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Sincerely,

Christine Kroger

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 2:43:11 PM

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Dear California Energy Commission,

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Sincerely,

Peter Flanagan

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 2:43:03 PM

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Sincerely,

Lorena Wolfe

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 2:06:19 PM

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Sincerely,

tamara mcready

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 12:44:57 PM

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Sincerely,

Shelley Brown

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 12:42:09 PM

---

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Sincerely,

Jo Zhou

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 9:08:25 AM

---

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Sincerely,

Rachel Zanetti

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 6:23:25 AM

---

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Sincerely,

Daniel Dowdle

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Tuesday, January 26, 2016 10:17:33 PM

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Sincerely,

Natasha Saravanja

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Wednesday, January 27, 2016 11:05:46 PM

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Sincerely,

Sheedy Dehdashti P

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Wednesday, January 27, 2016 8:27:44 PM

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Sincerely,

Alexandra Skwara

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Wednesday, January 27, 2016 8:18:21 PM

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Sincerely,

Beth Goode

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Wednesday, January 27, 2016 5:41:35 PM

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However, opponents of the proposal claim the CEC wants to promote LED lighting that is more expensive and less efficient. This is a misunderstanding of what is being required of the lamps. The function of the general service lamp is to both illuminate a room and provide the ability to discern colors. Efficiency would be defined as its ability to perform both tasks with less energy. The opponents want to "improve" efficiency by making light bulbs that only do half the job. That's not efficiency, that's poor service.

In other words, the opponents want me to pay for bulbs that don't deliver.

As a consumer, I don't want the industry to short change me. I want robust standards that allow me to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Emily Bernath

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Wednesday, January 27, 2016 5:16:31 PM

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Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

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As a consumer, I don't want the industry to short change me. I want robust standards that allow me to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Dorothy Wilkinson

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Wednesday, January 27, 2016 5:16:23 PM

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Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

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However, opponents of the proposal claim the CEC wants to promote LED lighting that is more expensive and less efficient. This is a misunderstanding of what is being required of the lamps. The function of the general service lamp is to both illuminate a room and provide the ability to discern colors. Efficiency would be defined as its ability to perform both tasks with less energy. The opponents want to "improve" efficiency by making light bulbs that only do half the job. That's not efficiency, that's poor service.

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As a consumer, I don't want the industry to short change me. I want robust standards that allow me to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Dorothy Wilkinson

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Wednesday, January 27, 2016 4:59:10 PM

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Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous efficacy, color rendering and longevity.

The proposed standards provide an opportunity for Californians to save \$4 billion over the next 13 years. By 2029, the standards will be saving about 3,000 Gwh per year, which is equivalent to about 400,000 average homes indefinitely or avoiding the construction of one 500 MW power plant. That means 10.3 million metric tons of CO2 avoided between 2017 and 2029, which is equivalent to the emissions of about 168,000 cars.

However, opponents of the proposal want to weaken the standards, which will harm the reputation of LED lighting, thereby chipping away at potential monetary and energy savings, thwarting efforts to fight climate change and making them less enjoyable.

As a consumer, I don't want to see the standards weakened because it means I save less money, the planet suffers and I don't get to enjoy quality lighting at a price I can afford. I support the CEC's proposal and reject the opposition's efforts to weaken the standards.

Sincerely,

Jim Phillips

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Wednesday, January 27, 2016 3:39:41 PM

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Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

The CEC has proposed stronger standards for LED lighting, which will save Californians billions in the coming years, and cut greenhouse gas emissions (GHG). These standards also allow us to enjoy the quality of full-color lighting we had with traditional light bulbs, but in an eco-friendly way.

However, opponents of the proposal claim the CEC wants to promote LED lighting that is more expensive and less efficient. This is a misunderstanding of what is being required of the lamps. The function of the general service lamp is to both illuminate a room and provide the ability to discern colors. Efficiency would be defined as its ability to perform both tasks with less energy. The opponents want to "improve" efficiency by making light bulbs that only do half the job. That's not efficiency, that's poor service.

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Sincerely,

M Goddard

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Wednesday, January 27, 2016 12:22:19 AM

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Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

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Sincerely,

John Miller

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Thursday, January 28, 2016 11:37:16 PM

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Dear California Energy Commission,

Dear Commissioner McAllister:

Thank you for the opportunity to comment on the revised 15-day proposal for small diameter directional LED lamps and General Purpose LED Lamps published on January 7, 2016.

The California Energy Commission (CEC) has proposed that general service LED lamps manufactured on or after January 1, 2018 shall have a CRI of 82 or greater and individual color scores (R) of 72 or greater. These new regulations provide an optimal combination of key performance attributes, luminous, color rendering and longevity.

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Sincerely,

Tony Zaccagnino

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Thursday, January 28, 2016 5:02:57 PM

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Dear California Energy Commission,

Dear Commissioner McAllister:

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Sincerely,

Carl Orr

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Thursday, January 28, 2016 2:27:09 PM

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Dear California Energy Commission,

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Sincerely,

Susan Cliff

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Thursday, January 28, 2016 11:34:50 AM

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Dear California Energy Commission,

Dear Commissioner McAllister:

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Sincerely,

Susanne Berntsson

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Thursday, January 28, 2016 9:12:02 AM

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Dear California Energy Commission,

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Sincerely,

Caryn Cowin

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Thursday, January 28, 2016 7:46:31 AM

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Dear California Energy Commission,

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Sincerely,

Joseph Szabo

**From:** [KnowWho Services](#)  
**To:** [Energy - Docket Optical System](#)  
**Subject:** Docket Number 15-AAER-06  
**Date:** Thursday, January 28, 2016 6:05:07 AM

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Dear California Energy Commission,

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Sincerely,

David Wappler