

## ET 2017 Residential Lighting TAG Rating and Ranking Results

*Technologies are split into lamps (yellow) and controls (green). Selections for further examination through webinars are bolded and starred, although subject to change.*

Technology	Rank	Mean	Max Value	Max Value	# of Responses	
<b>LEDs in Decorative Applications</b>	<b>1</b>	<b>3.86</b>	<b>5</b>	<b>1</b>	<b>22</b>	**
Adaptive Lighting	2	3.64	5	2	22	
<b>Standby Loads for Connected Controls</b>	<b>3</b>	<b>3.62</b>	<b>5</b>	<b>2</b>	<b>21</b>	**
Filament LEDs	4	3.5	5	0	22	
<b>Exterior Lighting</b>	<b>5</b>	<b>3.41</b>	<b>5</b>	<b>1</b>	<b>22</b>	**
<b>Higher Efficacy LED Lamps</b>	<b>6</b>	<b>3.32</b>	<b>5</b>	<b>1</b>	<b>22</b>	**
Smarter Porch Lights - Technologies	7	3.23	5	1	22	
<b>Fixture Integrated Connected Controls</b>	<b>8</b>	<b>3.05</b>	<b>5</b>	<b>0</b>	<b>22</b>	**
Whole-house Light Switch	9	2.82	5	0	22	
Integrated Task Lights	10	2.73	5	0	22	
Promote Effective Integration of Controls	10	2.73	5	0	22	
Improved Longevity Testing	10	2.73	5	0	22	
Varying Brightness and Color Temperatures in One Lamp	13	2.68	5	0	22	
Auto-Away / Smart Away Control	14	2.55	5	1	22	
"Dark Campus" Concept for Homeowners	15	2.5	5	0	22	
<b>Tubular LEDs in Residential Applications</b>	<b>16</b>	<b>2.45</b>	<b>5</b>	<b>0</b>	<b>22</b>	**
Self-powering Lighting Controls	17	2.36	5	1	22	
Light Dimming for Demand Respond	18	2.27	5	0	22	
Invisible Switches	19	2.18	5	0	22	
DC Power Distribution	20	2.05	4	0	21	
Li-Fi	20	2.05	4	0	22	
More Voice Control	22	1.95	4	0	22	
Solar Tubes	22	1.95	4	0	22	
Remote Control Table and Floor Lamps	24	1.91	5	0	22	
Organic LEDs	25	1.73	3	0	22	
Quantum Dots	26	1.68	4	0	22	
Laser Diodes	27	1.59	4	0	22	
Power Over Ethernet	28	1.5	4	0	22	
"Doorbell" Video Products	29	1.45	5	0	22	
Light Transmissive Carpets	30	1	3	0	22	

\*\*Webinar selections

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*Programmatic and strategy elements will be discussed in a panel at the final meeting. Starred and bolded items will be the focus of the panel.*

<b>Programmatic and/or Strategies</b>	<b>Rank</b>	<b>Mean</b>	<b>Max Value</b>	<b>Max Value</b>	<b># of Responses</b>	
<b>Focus on Multifamily Sector</b>	<b>1</b>	<b>3.77</b>	<b>5</b>	<b>1</b>	<b>22</b>	**
Incentives Which Reward Energy Systems Integration	2	3.64	5	2	22	
<b>Better Consumer Education and Labeling</b>	<b>3</b>	<b>3.59</b>	<b>5</b>	<b>1</b>	<b>22</b>	**
<b>Target Low-income Customers</b>	<b>4</b>	<b>3.5</b>	<b>5</b>	<b>1</b>	<b>22</b>	**
<b>Require ENERGY STAR Certification for Incentives to Ensure Lamp Quality</b>	<b>5</b>	<b>3.45</b>	<b>5</b>	<b>1</b>	<b>22</b>	**
Strengthen Lighting Codes and Standards	6	3.23	5	1	22	
Provide Incentives for ENERGY STAR Products	6	3.23	5	1	22	
Improve LED Dimming	8	3.18	5	2	22	
<b>Non-energy Benefits</b>	<b>9</b>	<b>2.95</b>	<b>5</b>	<b>0</b>	<b>22</b>	**
Require Fixtures manufacturers to ship with ENERGY STAR LEDs	10	2.91	5	0	22	
Smarter Porch Lights - Programmatic	11	2.82	5	0	22	
Open-source Controls for Utility Report and DR	12	2.73	5	0	22	
Connected Control Reports for EM&V	13	2.68	5	1	22	
Reduce Homeowner Load Building Through Education Programs	14	2.55	5	0	22	
Prorated Average Baseline for Energy Savings Calculations	15	2.52	5	0	21	
Smart Lighting as Gateway to Other Smart Systems	16	2.5	5	0	22	
Promote Better Quality Metrics	16	2.5	4	1	22	
Promote Families of Fixtures	18	2.45	5	0	22	
More Intuitive Controls	18	2.45	4	1	22	
Allocate the Cost and Energy Use of Lamps with Non-light Features by Function	20	2	5	0	22	
Reprioritize Resources Dedicated to Utility Residential Lighting Programs to Other Residential Technologies	20	2	5	0	22	
Lamps with Battery Backup for DR	22	1.91	5	0	22	

\*\*Webinar selections

<b>Answer</b>	<b>Scoring value</b>
I do not support this technology	0
I support this technology with significant reservations	1
I mildly support this technology	2
I support this technology	3
I strongly support this technology	4
My support is enthusiastic and unqualified	5