

## Interim Pre- Qualified LED Fixtures Guidelines

**Manufacturers must submit Product Information and Testing Results  
to Mass Save for qualification**

(Valid Through December 31, 2010)

Application	Minimum Light Output	Minimum Luminaire Efficacy	Allowable CCTs	Minimum CRI
Outdoor Pole/Arm-Mounted Area and Roadway Luminaires	1,000 lm	50 lm/W	< 6500K	50
Outdoor Wall-Mounted Area Luminaires	300 lm	40 lm/W	< 6500K	50
Parking Garage and Canopy Luminaires	2,000 lm	56 lm/W	< 6500K	50
Track or Mono-point Directional Fixtures	250 lm	30 lm/W	< 5000K	70
Refrigerated Case Lighting: Center-mounted fixtures End-mounted fixtures	>100 lm/ft >50 lm/ft	35 lm/W	< 5000K	70
Linear Panels (2x2 Troffers only)	> 3000 lm	55 lm/W	< 5000K	80
High-bay/Low-bay Fixtures	>10,000 lm	60 lm/W	< 6500K	70
High-bay Aisle Fixtures	>10,000 lm	60 lm/W	< 6500K	70
Integral LED Directional Replacement Lamps - MR16, PAR16 and PAR20	* CBCP to Target Wattage	40 lm/W	< 5000K	80
Integral LED Directional Replacement Lamps - PAR30 & PAR38	* CBCP to Target Wattage	45 lm/W	< 5000K	80
Outdoor Pole/Arm-Mounted Area and Roadway Luminaires <b>Retro-fit Kits</b>	1,000 lm	50 lm/W	< 6500K	50
Outdoor Pole/Arm-Mounted Decorative Luminaires <b>Retro-fit Kits</b>	1,000 lm	40 lm/W	< 6500K	50

<b>General Conditions</b>	
Power Factor luminaires	(>0.9)
Power factor replacement lamps	(>0.7)
THD	(<20%)
Manufacturer Warranty luminaires	Min. 5 years
Manufacturer Warranty Replacement lamps	Min. 3 years

<b>Required Test Reports</b>	
Fixture Cutsheet	<input type="checkbox"/>
LM-79 Test report	<input type="checkbox"/>
IES File	<input type="checkbox"/>
LED LM-80 Test report (required only for retro-fit kits)	<input type="checkbox"/>
In-situ Temperature Test report (required only for retro-fit kits)	<input type="checkbox"/>

Submit LED Product to Kelly Cota, email: [kelly.cota@us.ngrid.com](mailto:kelly.cota@us.ngrid.com)

\* CBCP stands for Center Beam Candle Power