







www.designlights.org

The DesignLights™ Consortium (DLC) is the Northeast's premier resource for high-quality, energy-efficient, commercial lighting design and information!

The DLC – a collaboration of utility companies and regional energy efficiency organizations – is committed to raising awareness of the benefits of efficient lighting in commercial buildings.

OUR SPONSORS support and enable the efforts of the DLC, and through their participation they demonstrate their commitment to quality and performance in energy efficiency.

OUR MISSION is to help – builders, architects, designers, and commercial property owners to implement improved design practices in all areas of the commercial lighting market.


OUR GOAL is to ensure that high-quality, energy-efficient lighting design becomes commonplace in all lighting installations.

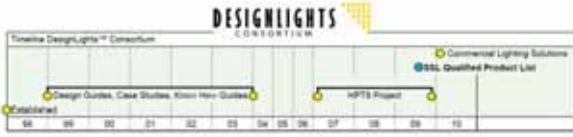
NEWS

DesignLights is placing a hold on applications to update our online application form
[Read here !!](#)

Linear Panels have been added for our specs on the Technical Requirements page
[View here !!](#)

EFFICIENT LIGHTING PRODUCTS + EFFICIENT LIGHTING DESIGN + SMART LIGHTING

WHAT IS DESIGNLIGHTS™ CONSORTIUM? 



Timeline DesignLights™ Consortium

- Established
- Energy Guides, Case Studies, Know How Guides
- SSL Qualified Product List
- Commercial Lighting Solutions
- NETS Project

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Why?

The Problem

- Too many SSL Products
- Too Soon
- Too much Risk

The Solution

- Independent Assurance of Quality/Performance
 - ENERGY STAR
 - What else?

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DESIGNLIGHTS CONSORTIUM

Sponsors & Subscribers

NEEP Sponsors:

Connecticut	Connecticut Light and Power	United Illuminating Co
Massachusetts	Open Light Consortium National Grid Salem	EOT-GE Western Massachusetts Electric Co.
Maine	Efficiency Maine	
New Hampshire	Public Service of New Hampshire New Hampshire Electric Co-op	National Grid
New Jersey	New Jersey Clean Energy Program	Long Island Power Authority
New York	NYCEM&A	
Rhode Island	National Grid	
Vermont	Efficiency Vermont	

Other Sponsors (Subscribers):

California	Los Angeles Dept of Water and Power Pacific Gas and Electric Sacramento Municipal Utilities District San Diego Gas & Electric Southern California Edison	
Midwest	Midwest Energy Efficiency Alliance	N. W. IA. IL. MI. WI. IN. OH. MO. ND. NE. SD. KS. MN.
Northwest	Northwest Energy Efficiency Alliance	ID. MT. OR. WA.
Wisconsin	Wisconsin Energy Conservation Corporation	
British Columbia	BC Hydro	
Quebec	Hydro-Quebec	
Pending		

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ENERGY STAR Commercial SSL

DLC ENERGY STAR V1.1 Non-Residential Applications - Products must be ENERGY STAR certified

Application	Minimum Light Output	Maximum Light Output	Zonal Lumen Density	Minimum Luminaires (Heavy)	Allowable CCTs (AMS C78-377-2008)	Minimum CRI	Minimum Lifetime
Recessed, surface and pendant-mounted downlights	+4.5' 340 L +4.5' 575 L		70% 0°-60°	35 L/w	2700 K, 3000 K, 3500 K, 4000 K, 5000K	75	35,000 hrs
Under cabinet shelf-mounted task lighting	125 L/r		60% 0°-60°, 25% 60°-90°	29 L/w	2700K, 3000K, 3500K, 4000K, 5000K	75	35,000 hrs
Portable desk task lights	200 L		85% 0°-60°	29 L/w	2700K, 3000K, 3500K, 4000K, 4500K and 5000K	75	35,000 hrs
Wall wash luminaires	575 L		50% 20°-40°	40 L/w	2700K, 3000K, 3500K, 4000K, 4500K and 5000K	75	35,000 hrs
Bollards	N/A		+15° 90°-110°, 0° +10°	35 L/w	NA	75	35,000 hrs

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DLC SSL Categories & Specifications

Revised April 22, 2010

SUMMARY OF TECHNICAL REQUIREMENTS v1.3

Application	Min Light Output	Max Light Output	Zonal Lumen Requirements	Minimum Luminaire Efficacy	Allowable CCTs (AMS C78-377-2008)	Minimum CRI	Min. TEST Luminaire Lifetime at 6000hrs @ Min. Luminaire Warranty
1. Outdoor Kiosk-mounted Area and Roadway Luminaires	1,300 lm	N/A	110% 0°-30°, 110% 30°-90° plus meet 80 Lpm @ 1, 2, 3, 6, 12, or 15°	50 lm/W	2500K	50	30,000 hrs
2. Outdoor Kiosk-mounted Decorative Luminaires	1,300 lm	N/A	85% 0°-30°	40 lm/W	2500K	50	30,000 hrs
3. Outdoor Wall-mounted Area Luminaires	300 lm	N/A	110% 0°-30°, 110% 30°-90°	40 lm/W	2500K	50	30,000 hrs
4. Parking Garage Luminaires	2,000 lm	N/A	110% 0°-30°, 110% 30°-90°	50 lm/W	2500K	50	30,000 hrs
5. Track or recessed track directional lighting fixtures	150 lm	N/A	85% 0°-30°	30 lm/W	2700K, 3000K, 3500K, 4000K, 4500K, 5000K	50	30,000 hrs
6. Refrigerated Case Lighting	Center-mounted, 1100 lm @ 18" End-mounted, 150 lm @ 18"	N/A	0°-30°, 75%	35 lm/W	2700K, 3000K, 3500K, 4000K, 4500K, 5000K	75	50,000 hrs AND 3 year warranty
7. Display Case Lighting	End-mounted, 150 lm @ 18"	N/A	0°-30°, 75%	35 lm/W	2700K, 3000K, 3500K, 4000K, 4500K, 5000K	75	35,000 hrs AND 3 year warranty
8. Linear Panels (2x2 Troughs ONLY)	>3000 lm	N/A	30°-30°, 110%	50 lm/W	2700K, 3000K, 3500K, 4000K, 4500K, 5000K	80	35,000 hrs AND 3 year warranty

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DLC Application Based on ENERGY STAR

ENERGY STAR

- This national list is public.
- Current lighting applications that are included in ENERGY STAR include:
 - Home application products can be found in the 2008 International Guide.
 - Current Commercial and Residential applications.
 - Fast Track.

DesignLights Qualified Products List

- Have already a qualified design and have its attributes including color temperature, light output, beamwidth, efficiency, etc.
- Both are available for consideration for common applications from utility programs.
- Both require test reports from independent labs and with 2" photos to verify size.
- Both provide specific test results based on IESNA approved procedures.
- Both can add additional lighting components in the future.

Overlap:

- This national list is public and required for regional utilities.
- Current products categories not currently included by ENERGY STAR.
- The application process can be found on the designlights.org website.
- Current only commercial applications.
- When ENERGY STAR adds categories to their products list our list, we will switch to using ENERGY STAR instead of the IESNA for those products.
- Fee: \$400 per fixture.

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DLC Application Based on ENERGY STAR

U.S. Department of Energy

ENERGY STAR[®] Manufacturer's Guide for Qualifying Solid-State Lighting Luminaires

September 2008

http://www.energystar.gov/la/partners/manuf_res/downloads/ENERGYSTAR_Manufacturers_Guide_v2.pdf

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Application Submission

- Application
 - On-line form
 - Upload reports
- Photometry NVLAP/CALIPER Approved Lab
 - LM 79 photometric test report in LM 63 format
 - Integrating sphere test output
- Lumen Maintenance
 - Package mfr. LM 80 test report in-House/CALIPER approved Lab (Sept 2010)
 - ISTMT OSHA NRTL UL 1598
- Product Data Sheet
- Fee: \$500

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Roles

Steering Committee

- Technical & procedural decisions

NEEP

- Coordination
- Contractor management

Contractor

- Technical analysis
- Maintain list

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Benefits of QPL

Customers

- Assurance of quality and performance

Manufacturers

- Submit once for 28 states & 2 provinces

Program Managers

- Analysis is all done
- Consistency across programs

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THANK YOU

DesignLights™ SSL Qualified Products

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Presentation to AESP-Boston
May 5, 2010