LITHONIA LIGHTING

D-Series LED

Extreme Cutoff Optics

Outdoor

AcuityBrands.

The Intersection of Area Lighting and LEED Certification Performance Criteria

Addressing unwanted spill light along the perimeter and corners of your outdoor lighting design is no easy task. Whether you are trying to limit the light trespass due to concern for neighboring properties, or seeking additional points for certification under the Leadership in Energy and Environmental Design (LEED®) green building program (V4), in either case, you need the most stringent light control available. We now have the perfect solution for you!

The D-Series LED Extreme Cutoff Optics, with its industry-leading optics addresses light trespass using innovative backlight control and corner cutoff optics, delivering outstanding performance, long life and energy efficiency. This is accomplished through the use of specialized point-source black light engines, integrated specular reflectors with optimized optics and dedicated light-absorbing backlight shields to provide maximum control for backlight and corner applications while providing superior lighting levels and luminaire efficiency.

DSX0

DSX1

DSX2

Innovative Optics that Support Your Design

Specialized, Black D-Series Light Engines

The stray-light absorbing light engines remove light scattered during refraction, ensuring light is directed exactly where it is needed – virtually eliminating spill light.

Integrated Shield

The integrated shield design virtually eliminates light trespass, reduces glare, and maximizes forward-reflected light, while maintaining high luminaire efficiency.

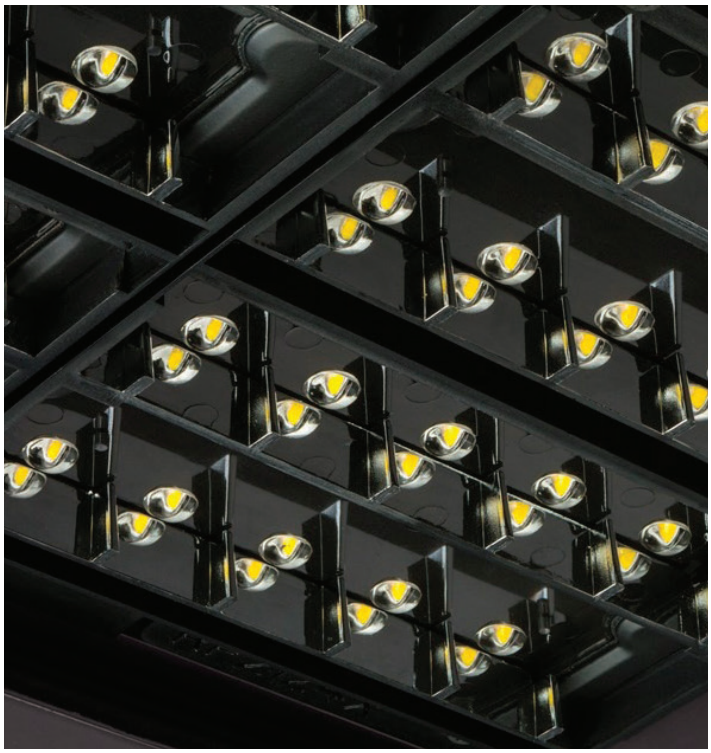
Innovation in Action

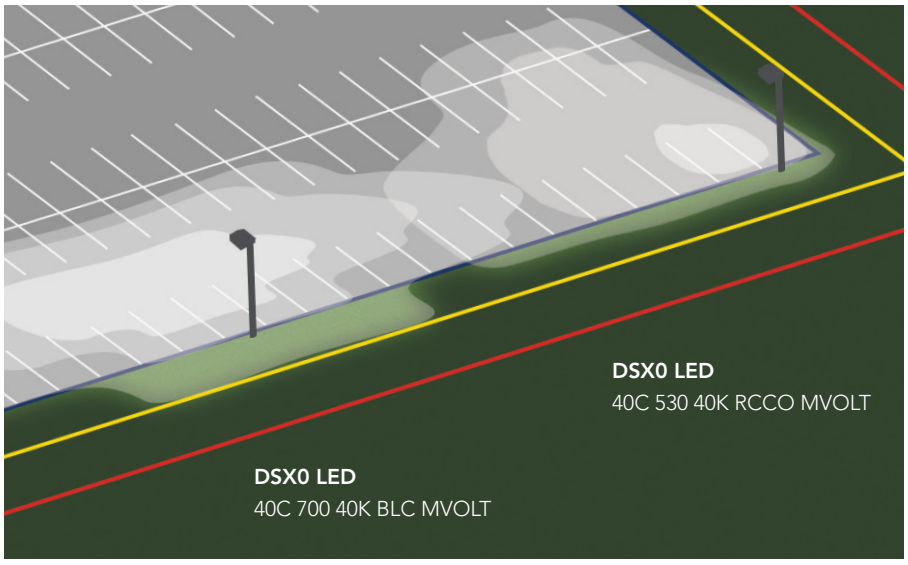
Dedicated Backlight Control and Corner Cutoff Optic

The D-Series LED Extreme Cutoff Optics use an innovative backlight control that significantly reduces light spill behind the pole for applications with pole locations close to adjacent properties. This helps support compliance with LEED light trespass requirements along the perimeter of the lot, while maintaining light levels that provide high visibility.

Once backlight control is addressed, the corners of the property require attention in your design. The innovative corner cutoff optic enables pole mounting in the corners of your site, virtually doing away with light spill behind, and to one side of the pole.

This is ideal for applications with corners that are close to a neighboring property or roadway, enabling more design options for pole placement, even at the property line.





Curb Line

Property Line
Virtually all light is cutoff right at that property line, even with the corner cutoff luminaire only 7' from the property line in either direction!

LEED Boundary Line
Anything beyond that red line is unacceptable spill light.

DLC Qualified

The D-Series LED Extreme Cutoff Optics are DesignLights Consortium® qualified, which makes them eligible for utility rebates and can help improve project ROI.

LEED is a trademark owned by the U.S. Green Building Council®. It is the obligation of the end-user to consult with a LEED accredited professional advisor to determine compliance with LEED requirements for a particular project.

D-Series LED Extreme Cutoff Optics

Product Specifications

Model	Input Watts	Pole Height	Optic	Delivered Lumens	Rear Setback from Property Line	Side Setback from Property Line
DSX0 LED 20C 1000	72W	15'	BLC	5,543	6'	—
			LCCO or RCCO	5,386	6'	7'
DSX0 LED 40C 530	68W	15'	BLC	6,595	7'	—
			LCCO or RCCO	6,407	6'	7'
DSX0 LED 40C 700	91W	20'	BLC	8,396	8'	—
			LCCO or RCCO	8,157	8'	8'
DSX0 LED 40C 1000	138W	25'	BLC	11,087	9'	—
			LCCO or RCCO	10,771	9'	10'

DSX0
175W - 400W MH Replacement

DSX1
250W - 750W MH Replacement

DSX2
400W - 1000W MH Replacement

Lithonia Lighting® is a member of the Acuity Brands portfolio of lighting, controls and daylighting solutions.

Lithonia Lighting offers one of the industry's broadest lighting portfolios for commercial and industrial lighting applications. Our LED, fluorescent and HID lighting are recognized for their quality, reliability and solid performance, making Lithonia Lighting one of the most specified brands in the lighting industry.

www.lithonia.com

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