

## Ultra High Lumen Lighting

*With a maximum available light package in excess of 85,500 lumens and a wide variety of beam angles, the fixture is capable of meeting all of your lighting needs.*

### SLD - XM

The HELOS-PLUS fixtures are designed for maximum output and compactness to fulfill the most challenging high output lighting applications. Utilizing only top-of-the-line components for the LED engine, these fixtures will deliver a quality of light that is exceptional in terms of consistency and intensity.

With its exceptional heat sink design, these fixtures are over engineered to provide the greatest reliability in even the most extreme environments. Lumingen's fixtures are also backed by our world class technical support helping you rest easy with your lighting needs.

#### LED ENGINE

IP67-rated parts & assembly  
Type II/III or 25°-131° beam angles

#### SINGLE-ENGINE BODY TYPE

40 cm x 45 cm x 16 cm - 10 kg

#### DUAL-ENGINE BODY TYPE

70 cm x 45 cm x 16 cm - 20 kg



Alliance  
Member

### Performance Summary

Light Output:	43,800–85,560 lm
L90 TM-21-11:	>60,500 hrs (>500,000 hrs)
L70 TM-21-11:	>60,500 hrs (>500,000 hrs)
CRI Availability:	70-90
CCT Availability:	2700-6500 K
Voltage Compatibility:	120-277/347/480 Vac
Standard Warranty:	5 years

### Applications:

- Dry/Damp/Wet Location Installation
- Sports Facility
- Interstate Roadway
- Construction
- Mining
- Industrial
- Ports & Rail Yards

### Configurations

- 0/1-10V Dimming
- Photocell
- Surge Protection
- Yoke-mount
- Pole-mount
- Pendant Suspension
- Cable Suspension



# HELOS-PLUS High Output Series

## HELOS-PLUS-X Specifications

**Listing:** CSA US-Canada Certified for Wet Locations. DLC QPL Listed. BC Hydro e.Catalog Listed.

**LED:** Industry-leading Cree ceramic LEDs. Developed for superior lumen and thermal reliability, high light intensity, and easy optical control in a compact chip size.

**Optics:** Clear impact-resistant polycarbonate (PC) lens. Surface-mounted optics for precise light control and high optical efficiency. 120° FWHM Standard (no additional optics)  
Optical Variations: 25°, 40°, 60°, 90°, 131°, Type II, Type III

**Available CRI:** 70, 80, 90

**Colour Temperature (CCT):** 2700-6500 K

**Available Features:** 0/1-10V dimming, integrated photocell/receptacle options, additional surge protection

**Construction:** High-quality aluminum extrusion parts with powder coating finish for corrosion and harsh environment protection. ABS UL94-V0 end cap housing parts. IP67 LED engine utilizes an robust extruded aluminum heatsink with PC lens cover.

### Standard Dimensions:

Single Engine: 40 cm x 45 cm x 16 cm [16" x 18" x 7"]  
Dual Engine: 70 cm x 45 cm x 16 cm [28" x 18" x 7"]

### Standard Weight (Single Engine, Dual Engine):

10 kg, 20 kg [22 lb., 43 lb.]

**Installation:** Surface/Pendant mounting utilizing a standard yoke-style bracket. Pole mounting for 60 mm (2.375 in) slip-fit poles. Suspension installation using a supplied galvanized aircraft cable kit.

**Input Voltage:** 120-277/347/480 VAC (50/60 Hz)

**Operating Temperature:** -40°C to +55°C

**Standard Warranty:** 5 year

## Specifications Table

Base Model	Body Type	Lumen (lm)	Power (W)	Efficiency (lm/W)
HELOS-PLUS-0400	Single Engine	43,800	371	118
HELOS-PLUS-0800	Dual Engine	85,560	739	118

## EPA Ratings (Dual Engine Only)

Direction	0° from Horizontal	45° from Horizontal	90° from Horizontal
Frontal	0.111 m <sup>2</sup> (1.20 ft <sup>2</sup> )	0.319 m <sup>2</sup> (3.43 ft <sup>2</sup> )	0.524 m <sup>2</sup> (5.64 ft <sup>2</sup> )
Lateral	0.053 m <sup>2</sup> (0.57 ft <sup>2</sup> )	0.102 m <sup>2</sup> (1.10 ft <sup>2</sup> )	0.170 m <sup>2</sup> (1.83 ft <sup>2</sup> )

Ordering Code (e.g., HELOS-PLUS-0800-277-4K0-70-040-SF-CL-00-P-S2)

LAMP-SERIES CODE	POWER RATING	AC INPUT VOLTAGE	COLOUR TEMPERATURE	CRI	BEAM ANGLE <sup>A</sup>	INSTALL METHOD	DIFFUSER	[NULL]	ACCESSORIES <sup>B</sup>
HELOS-PLUS	0800	277	4K0	70	040	SF	CL	00	P – S2
HELOS-PLUS	0400 <small>(371W)</small>	277 <small>(120-277V)</small>	2K7 <small>(2700K)</small>	70	025 <small>(25°)</small>	WL <small>(Wall Mount)</small>	CL	00	D <small>(0/1-10V Dimming)</small>
	0800 <small>(739W)</small>	347 <small>(347V)</small>	4K0 <small>(4000K)</small>	80	040 <small>(40°)</small>	SF <small>(Surface Mount)</small>			P <small>(Photocell)</small>
					060 <small>(60°)</small>	PL <small>(Pole Mount)</small>			S1 <small>(External 10kA Surge Protection)</small>
					090 <small>(90°)</small>	SP <small>(Suspension Mount)</small>			S2 <small>(Internal 20kA Surge Protection)</small>
					120 <small>(120°)</small>	PD <small>(Pendant Mount)</small>			
					130 <small>(131°)</small>				
					0T2 <small>(Type II)</small>				
					0T3 <small>(Type III)</small>				

### ADDITIONAL NOTES:

<sup>A</sup> BEAM ANGLE: FWHM beam angle. For Type II and Type III specific distribution, visit [www.lumingen.com](http://www.lumingen.com) to download the IES file.

<sup>B</sup> ACCESSORIES: Related to Surge Protection. All LED fixtures are susceptible to voltage spikes. Surge protection is highly recommended for industrial and manufacturing applications



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