



HELOS PLUS Series

Ultra High Lumen Lighting



SINGLE-ENGINE BODY TYPE
40 cm x 45 cm x 16 cm
10 kg

LED ENGINE
IP65/67-rated parts & assembly
Type II/III/V (10°-131°) beam angles

DUAL-ENGINE BODY TYPE
70 cm x 45 cm x 16 cm
20 kg



HELOS-PLUS

With an maximum available light package in excess of 90,000 lumens and a wide variety of beam angles, the fixture is capable of meeting all of your lighting needs.

The HELOS-PLUS fixtures is 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 an maximum available light package in excess of 90,000 lumens and a wide variety of beam angles, the fixture is capable of meeting all of your lighting needs. Most importantly, 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.

Performance Summary

Light Output:	45,780—90,950 lm
Typical Efficiency:	114 lm/W
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
AC Voltages:	120-277/347/480 Vac
Warranty:	5 years

Configurations:

- ◆ 0-10V Dimming
- ◆ Photocell
- ◆ Wireless Control System
- ◆ Additional Surge Protection
- ◆ Installation Mounting Accessories



Installation:

- ◆ Dry/Damp/Wet Location Installation
- ◆ Surface Mounted
- ◆ Pole Mounted
- ◆ Suspension Mounted
- ◆ Pendant Mounted

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. *Optical Variations: 25°, 40°, 60°, 90°, 120°, 131°, Type II, Type III*

Available CRI: 70, 80, 90

Colour Temperature (CCT): 2700-6500 K

Features: 0/1-10V dimming, integrated photocell/receptacle options, additional surge protection, wireless control system.

Standard Warranty: 5 year

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. All other electrical components rated minimum IP65.

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

Specifications Table

Base Model	Body Type	Lumen (lm)	Power (W)	Efficiency (lm/W)
HELOS-PLUS-0400	Single Engine	45,780	400	116
HELOS-PLUS-0800	Dual Engine	90,950	800	116

EPA Ratings (Dual Engine Only)

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

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

LAMP-SERIES CODE	POWER RATING	AC INPUT VOLTAGE	COLOUR TEMPERATURE	CRI	BEAM ANGLE ¹	INSTALL METHOD	DIFFUSER	[NULL]	ACCESSORIES ²
HELOS-PLUS	0800	277	4K0	70	040	SF	CL	00	P – S
HELOS-PLUS	0400 (400W)	277 (120-277V)	3K0 (2700K)	70	025 (25°)	SF (Surface Mount)	CL	00	C (Wireless Control)
	0800 (800W)	347 (347V)	4K0 (4000K)	80	040 (25°)	PL (Pole Mount)			P (Photocell)
			5K0 (5000K)	90	060 (66°)	SP (Suspension Mount)			S (Surge Protection)
			6K5 (6500K)		090 (90°)	PD (Pendant Mount)			X (None)
					120 (120°)				
					130 (131°)				
					0T2 (Type II)				
					0T3 (Type III)				

ADDITIONAL NOTES:

¹BEAM ANGLE: For Type II and Type III specific distribution, visit www.lumingen.com to download the IES file.

²ACCESSORIES: Related to Surge Protection. All LED fixtures are susceptible to voltage spikes. Surge protection is highly recommended for industrial and manufacturing applications

