



DATA SHEET

ILLUMINANCE

Power Line Photometer

GENERAL DESCRIPTION

The ILCAM3 illuminance power line photometer measures illuminance levels within a road tunnel. It communicates through power line with the Tunnel Lighting Addressable Control System (TLACS) lighting controller, which ensures that interior illumination levels are being continuously maintained.

FEATURES

- Designed for continuous illuminance measurement in road tunnel environments
- Photometric measurement for tunnel lighting control applications
- Measurement technology compliant with CIE and IES recommendations



SPECIFICATIONS

ELECTRICAL

Attribute	Value
Input voltage range (nominal)	120–480 VAC, 50/60 Hz
Input current (maximum)	120 VAC: 1.3 A 200–480 VAC: 0.7 A
Attribute	Description
Protection	Externally removable fuse

INTERFACE

Attribute	Description
Supported interface connection	Power line communication

PERFORMANCE

Attribute	Value
Measurement range	3–55,000 lux
Accuracy @25 °C	±2%
Attribute	Description
Detector	Silicon photodiode, Vλ-filtered

ENVIRONMENTAL

Attribute	Value	
	Min.	Max.
Operating temperature	-13°F (-25 °C)	104°F (40 °C)
Storage temperature	-22°F (-30 °C)	158°F (70 °C)
Attribute	Description	
Protection rating	NEMA 4X, IP66	

MECHANICAL

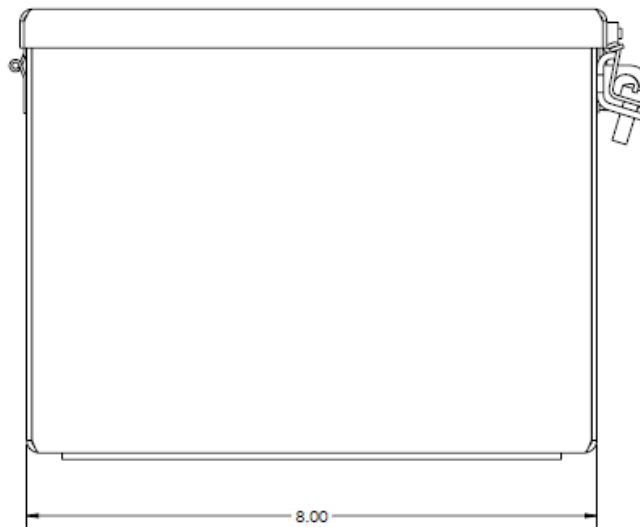
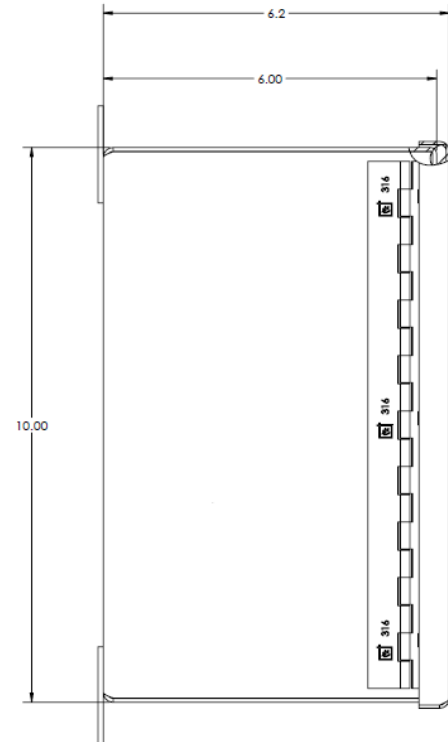
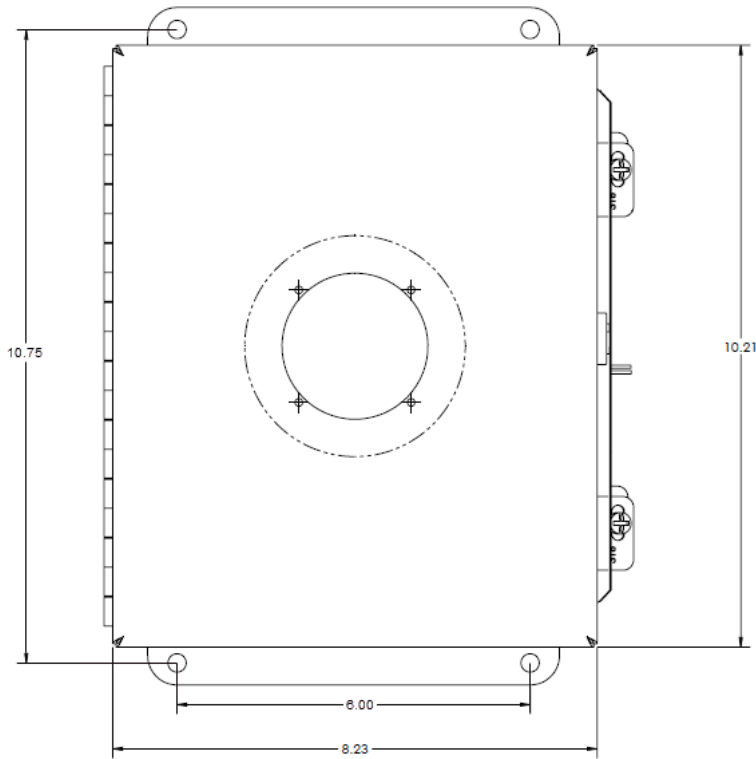
Attribute	Value
Overall dimensions (H x W x D)	10.21 in. × 8.23 in. × 6.2 in. (259.334 mm × 209.042 mm × 157.48 mm)
Weight	15 lb. (6.804 kg)
Attribute	Description
Enclosure material	Powder-coated stainless steel

STANDARDS

Attribute	Description
Industrial control panel requirements	CSA C22.2 No. 286 ANSI/UL 508A, 2nd Edition

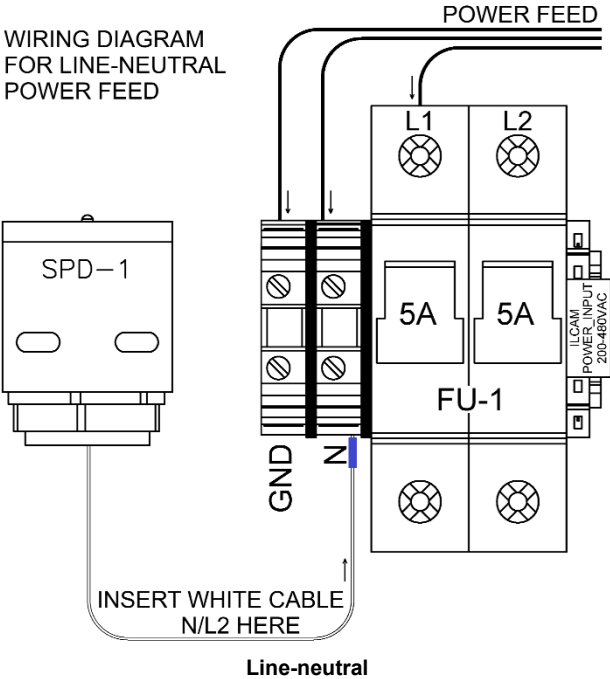
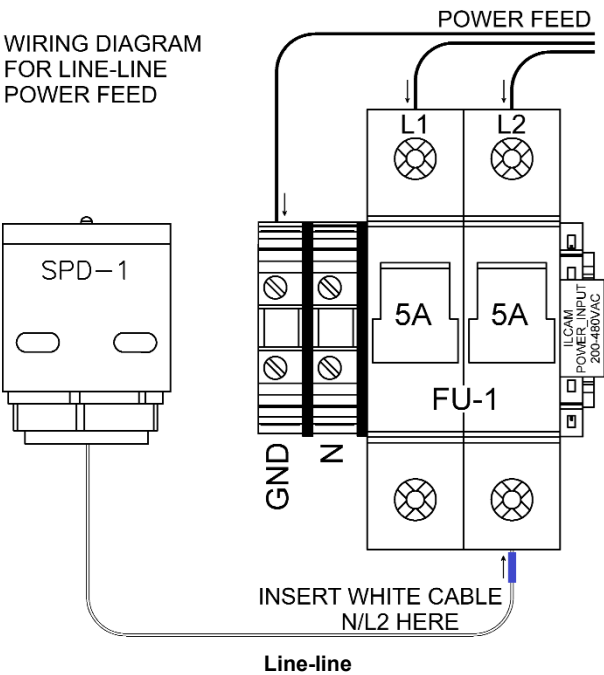


MECHANICAL DRAWINGS





WIRING DIAGRAMS



PRODUCT ORDERING INFORMATION

ILCAM3		-
Model	Input Voltage / Power Line Channel	
ILCAM3	Power line illuminance photometer	1 120 VAC L-N
		2 200-480 VAC L-N or L-L