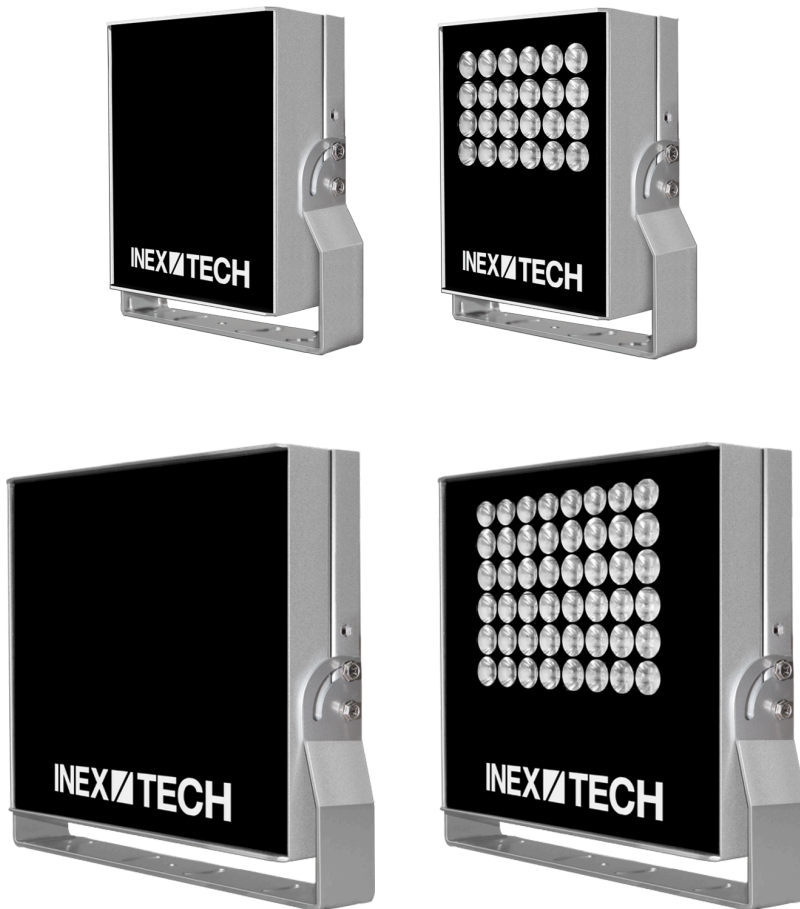


IZL Technical Datasheet

Illuminator Series

Rev. A



Key Features and Benefits

- ✓ Designed for ITS and Tolling Applications
- ✓ Wide temperature range - operating from -22°F to 140°F (-30°C to 60°C)
- ✓ IP66 ingress protection against extreme moisture
- ✓ NDAA Section 889 compliant



Specifications

Item		Specification
LED Illumination	Type	High power LEDs; ON/OFF (DC)
	Activation	Activated by built-in photocell (threshold 300 LUX)
	Wavelength (WVLN)	<ul style="list-style-type: none"> • IR = Infrared • DR = Deep Red • CL = Cool White (4000K) • WL = Warm White (3000K)
	Number of LEDs (N)	<ul style="list-style-type: none"> • 1: 24 LEDs • 2: 48 LEDs
	Beam Angle (HxV), degrees	<ul style="list-style-type: none"> • IZLN-WVLN-10: H10xV10 • IZLN-WVLN-20: H20xV20 • IZLN-WVLN-30: H30xV30 • IZLN-WVLN-H40: H40xV15 • IZLN-WVLN-60: H60xV60
LPR Imaging*	Field of View	12 ft (3.7 m)
	Distance	<ul style="list-style-type: none"> • IZLN-WVLN-10: 69-137 ft (21-42 m) • IZLN-WVLN-20: 34-68 ft (10-21 m) • IZLN-WVLN-30: 22-45 ft (7-14 m) • IZLN-WVLN-H40: 16-33 ft (5-10 m) • IZLN-WVLN-60: 10-21 ft (3-6 m)
	Vehicle Speed	Up to 60 mph (97 km/h)
Environmental	Ingress Protection	IP66
	Operating Temperature	-22°F to 140°F (-30°C to 60°C)
	Humidity	0% to 90% RH

Item		Specification
Certifications	EMC	FCC Part 15, subpart B; CE
	RoHS	RoHS
	Eye Safety	IEC62471: <ul style="list-style-type: none"> IR wavelength models: Group 1 DR wavelength models: Group 3
	NDAA	NDAA Section 889 compliant
Physical	Dimensions (W x H x D)**	<ul style="list-style-type: none"> L1: 7.2 x 8.1 x 3.6 in (183 x 206 x 91 mm) L2: 10.5 x 10.5 x 3.6 in (266 x 267 x 92 mm)
	Unit Weight**	<ul style="list-style-type: none"> L1: 4.2 lbs (1.9 kg) L2: 8.2 lbs (3.7 kg)
	Material	Aluminum
	Color	Black, Gray or White
Interface	Cables	Single outdoor cable - 16 ft (5 m) long: <ul style="list-style-type: none"> Power Alarm Output (indicates if LEDs are ON) RS485 for configuration communication
	Alarm Output (LED state)	High (LEDs ON): 12 VDC; Low (LEDs OFF): 0 VDC
Power	Input Voltage	12 - 24 VDC***
	Power Consumption (with 24 VDC input)	<ul style="list-style-type: none"> L1: 50 W L2: 100 W

Item		Specification
Accessories Included		2-axis outer pan/tilt adjustment bracket
		Power/signals cable, 16 ft (5 m)
Accessories Available (depending on site requirements)	Mounting hardware (in package)	<ul style="list-style-type: none"> • Slotted steel bands with worm drive fasteners for 4" and 12" circular gantry mounting, 2 of each size • Gantry mounting bracket and screws
	Mounting hardware (packed separately)	Wall/pole/gantry mounting options
	Power Supply	Power Supply 12 VDC or 24 VDC***

* Field of view, distance and speed will vary depending on camera used; these measurements were obtained using the Inex IZ600F camera.

** Including outer pan/tilt adjustment bracket

*** It is recommended to use an illuminator power supply separate from the camera's supply.

Ordering Information

Product	Available Part Numbers****	Product Description
<ul style="list-style-type: none">• IZL1• IZL2	<ul style="list-style-type: none">• IZLN-WVLN-10• IZLN-WVLN-20• IZLN-WVLN-30• IZLN-WVLN-H40• IZLN-WVLN-60	IZL Illuminator

**** IZL[1/2]-(IR/DR/CL/WL)-10/20/30/H40/60, where:

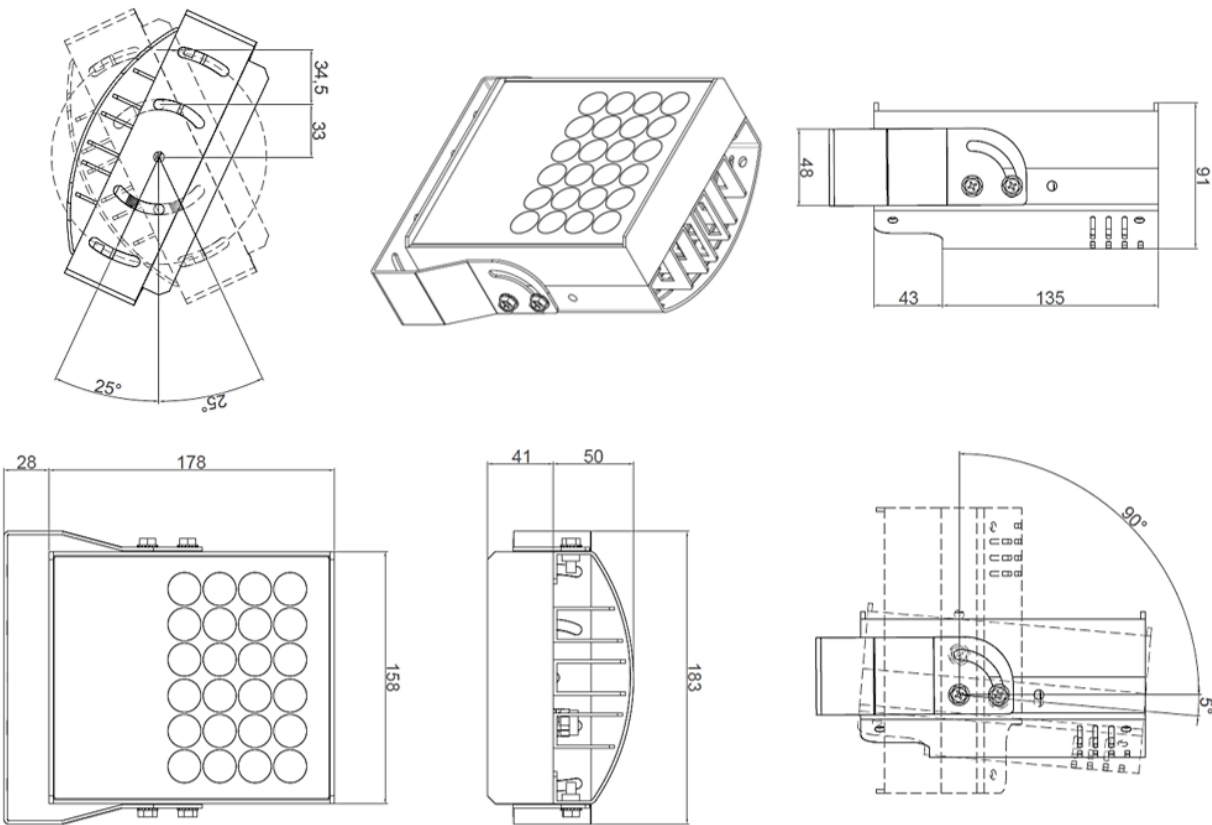
- N = 1/2 - number of LEDs: 1=24, 2=48
- WVLN = Wavelength/type of LEDs:
 - IR - Infrared
 - DR - Deep Red
 - CL - Cool White (4000K)
 - WL - Warm White (3000K)
- 10/20/30/H40/60 - LED beam angle, in degrees:
 - 10 = 10x10
 - 20 = 20x20
 - 30 = 30x30
 - H40 = H40xV15
 - 60 = 60x60

Standard Package Contents

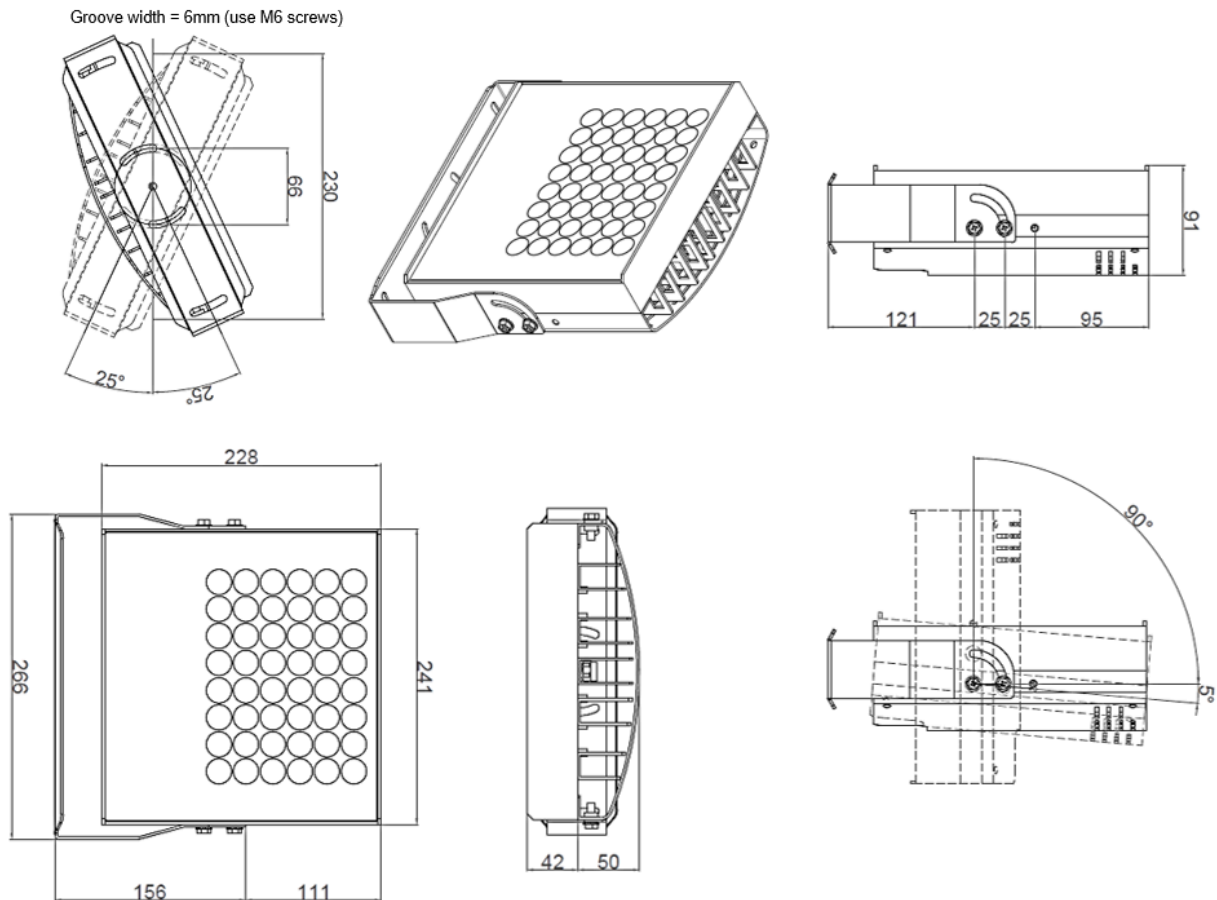
- IZL Illuminator with outer pan/tilt adjustment bracket
- Power/signals cable, 16 ft (5 m)
- Mounting hardware may be included in your package, or packed separately, depending on your site's requirements.

L1 Dimensions (mm)

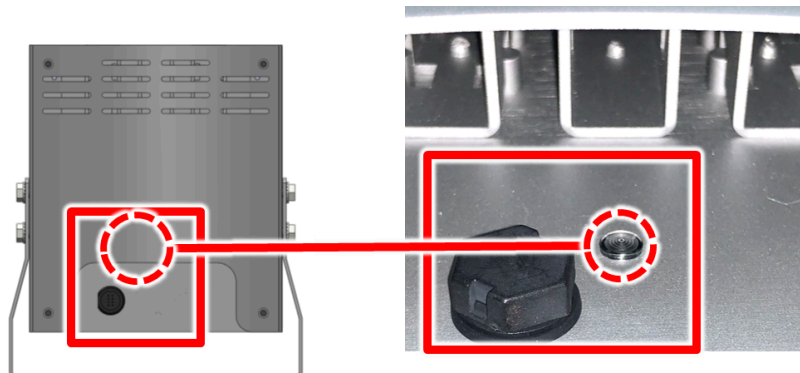
Groove width = 6mm (use M6 screws)



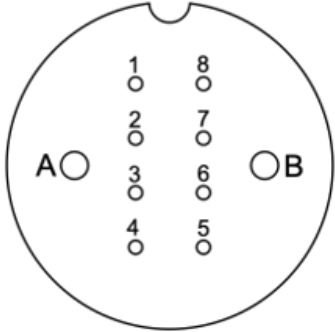
L2 Dimensions (mm)



Photocell Location



Power/Signals Pinout

	Pin	Power/Signal	Wire Color
	A	12-24 VDC (+) input	Red
	B	12-24 VDC (-) input	Black
	2	Alarm Output (+)	Yellow
	3	Alarm Output (-)	Green
	6	RS485 (A)	Blue
	7	RS485 (B)	White
	1,4,5,8	Unused	N/A

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