NDAA/TAA COMPLIANT PRODUCTS

IR & White Light LED Illuminator	Coverage Distance (UP TO 614)	High-power Dual Core™ LEDs	Interchangeable Lens Pack	Covert Installation	IP66 and IK09 Ratings

Dimensions
Unit: Inch (mm)

6.35" (161.5mm)
4.33" (110mm)
3.12" (79.5mm)

Summary

The DW-ILHYBIP850 and DW-ILHYBIP940 are NDAA/TAA compliant IP-enabled infrared (IR) and white light (WL) LED outdoor illuminator. The hybrid illuminator incorporates the latest surface mount Dual-Core® LEDs, combined with enhanced optical output and outstanding reliability to provide users with a smart concealed and deterrent lighting solution for a wide range of applications.

The illuminator's front window is coated in CleanView™ hydrophobic coating to repel dust and water and includes an interchangeable lens pack to deliver a variety of angles out of the box providing users the flexibility to create different elliptical beam profiles.

Features

- Hybrid infrared and white light LED illuminator
- Interchangeable lens pack for a variety of angles out of the box
- Direct integration with DW Spectrum® IPVMS
- Create different elliptical beam profiles
- Motion activated
- CleanView hydrophobic coating repels water, dust and grease
- Activate white light to deter intruders
- Remotely adjustable photocell and illumination levels
- 850nm IR wavelength (DW-ILHYBIP850)
- 940nm IR wavelength (DW-ILHYBIP940)
- Ultra-white ≈ 6000K white light
- 66-614ft IR coverage
- 94-374ft white light coverage
- Shock sensor
- Web interface built-in
- High-power Dual-Core LED's with advanced, current limited and integral control circuitry
- NDAA/TAA compliant
- IP66 environmental-rated dust-tight and water-resistant
- IK 09-rated impact-resistant

Accessories (optional)

DW-ILWM1
Mounting bracket for a single (1) illuminator
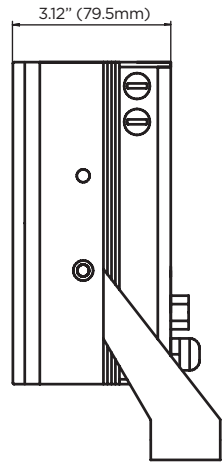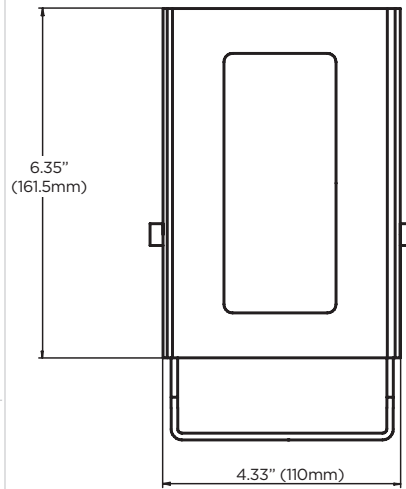
DW-ILWM3
Mounting bracket for three (3) illuminators

DW-ILWM2
Mounting bracket for two (2) illuminators

DW-ILPM1
Pole mount bracket for a single (1) illuminator

Specifications

Electronics	High efficiency surface mount high power Dual Core LED's with advanced current limited integral control circuitry
Photocell	Software adjustable 20 – 70 lux
Illumination	Software adjustable 10% - 100% with pulse modes
IR Wavelength	DW-ILHYBIP850: 850nm (semi-covert). Faint red glow. DW-ILHYBIP940: 940nm (covert). Minimal visible glow
WL wavelength	Lumen output: 1800 lm+ Color temperature: Ultra white ≈ 6000K CRI: >70
Operating temperature	-58° to 140°F (-50° to 60°C)
Shock sensor pressure equalization vent	Prevents thermal expansion and pressure cycling
Input	PoE+ (IEEE802.3at)
Power consumption	26W
IP rating	IP66-rated in accordance with IEC/EN 60529
IK rating	IK09 impact-resistant in accordance with IEC/EN 62262
Recommended PSU	Any IEEE 802.3at injector (not included)
Power cable	1m with IP68 connector (not included)
Remote access	Web browser user interface. No software or installation needed.
Certifications	CE, FCC Class B,
Dimensions	6.34" x 4.33" x 3.07" (161 x 110 x 78mm)
Weight	3 lbs (1.35 kg)
Materials	Robust high-quality aluminum extrusion, black anodized finish
Front window	Polycarbonate high transmission with CleanView technology
Mount	Powder-coated stainless steel wall mount (included)
Warranty	2 year warranty

Infrared distances

Part Number	Wavelength	Angle	Distance		FOV	
DW-ILHYBIP940	940nm	10° - Circular	376'	115m	66'	20m
		30° - Elliptical	213'	65m	114'	35m
		60° - Elliptical	131'	40m	152'	46m
		95° - Elliptical	66'	20m	143'	44m
DW-ILHYBIP850	850nm	10° - Circular	614'	187m	107'	33m
		30° - Elliptical	307'	94m	164'	50m
		60° - Elliptical	195'	60m	225'	69m
		95° - Elliptical	98'	30m	213'	65m

White light distances

Angle	Distance		FOV	
10° - Circular	374'	114m	65'	20m
30° - Elliptical	218'	67m	117'	36m
60° - Elliptical	156'	48m	180'	55m
95° - Elliptical	94'	29m	204'	62m

ORDERING INFORMATION

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NESS Innovative Electronic Solutions
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123-101   Digital Watchdog DW-ILHYBIP850 IP IR Illuminator & White Light