

ILX3525 Series

LED Hazardous Area Lighting



Advantages of ILX3525

- Technologically advanced LED hazardous area light fixture
- Available in 35 ~ 100 Watt configurations with various optics
- Ultra-bright industry leading high efficacy up to 150 lm / W
- Wide angle butterfly optics enabling glare-free, uniform lighting
- Advanced thermal technology enables low LED junction temperatures (Tj) for maintenance free long life
- Hazardous location and high temperature rated with an operational temperature of -40 ~ +60°C (-40 ~ +140°F)
- IP69K-rated tri-proof (dust, vapor & water-proof) luminaire
- Industrial grade powder coating and copper-free aluminum build for complete corrosion resistance
- Marine-rated stainless steel fasteners and trimmings
- Optional wireless smart control system with motion & daylight sensor enabling greater savings and flexibility
- Available with versatile mounting options for various hazardous area applications
- Titanium rated high efficiency LED driver with smart circuitry
- L70 ≥ 135,000 hours with an exceptional 10-year limited warranty
- Designed and engineered in the USA

Applications

- Offshore Oil Platforms
- Refineries
- Gas-to-Liquid (GTL) Plants
- Terminals & Tank Farms
- Sub-Surface Mineshafts
- Conveyor Belts
- Ball / Tube Mill Facilities
- Tunnel Boring

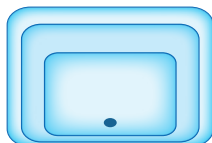
ILX3525 Series

LED Hazardous Area Lighting

Optic Options

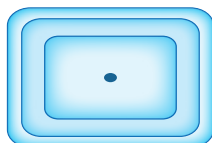
02 - Type II / wall mount & perimeter lighting applications

M - Medium



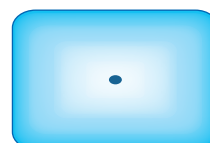
S5 - Type V Rectangular / symmetric for canopies, tunnels, parking garages and wide flood applications

M - Medium



F5 - Type V Opaque - Frosted / symmetric for ultra uniform & low glare applications

L - Long



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Mounting Options



Swivel Mounting System

Part Number	Part Description
SWL-ILX3525-SS	Variable Angle Swivel Mounting Bracket / Stainless Steel



Pendant Mounting System

Part Number	Part Description
PDS-ILX3525	Pendant Mounting Interface / 3/4" Pipe Not Included



90° Stanchion Mounting System

Part Number	Part Description
S90-ILX3525	90° Stanchion Mounting System / Die-Cast Aluminum



25° Stanchion Mounting System

Part Number	Part Description
S25-ILX3525	25° Stanchion Mounting System / Die-Cast Aluminum



90° Stanchion Wall Mounting System

Part Number	Part Description
WS9-ILX3525	90° Stanchion Wall Mounting System / Die-Cast Aluminum



25° Stanchion Wall Mounting System

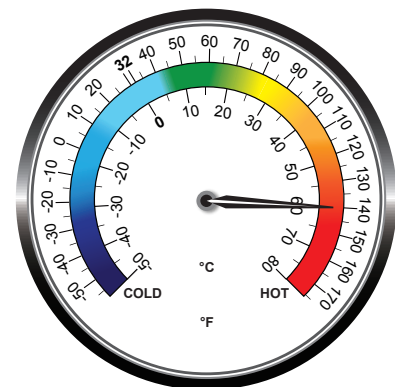
Part Number	Part Description
WS2-ILX3525	25° Stanchion Wall Mounting System / Die-Cast Aluminum

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Thermal Management

The new ILX3525 LED drivers are designed specifically for extreme application lighting that requires high ambient operating temperatures. It utilizes the latest topology in electronic circuitry design with state of the art military and industrial grade components. The LED driver is encapsulated with thermal potting into a dedicated heat sink for better thermal performance and greater flexibility for service and maintenance. The ILX3525 LED driver module delivers an outstanding 95% efficiency and is designed to last over 60,000 hours in harsh environments with high operating ambient temperatures.



System Watts	T6 Temperature Code Ambient Temperature Range		T5 Temperature Code Ambient Temperature Range		T4a Temperature Code Ambient Temperature Range	
35 W	-40°F ~ 140°F	-40°C ~ 60°C	-40°F ~ 140°F	-40°C ~ 60°C		
55 W	-40°F ~ 131°F	-40°C ~ 55°C	-40°F ~ 140°F	-40°C ~ 60°C		
75 W	-40°F ~ 122°F	-40°C ~ 50°C	-40°F ~ 140°F	-40°C ~ 60°C		
100 W	-40°F ~ 113°F	-40°C ~ 45°C	-40°F ~ 131°F	-40°C ~ 55°C	-40°F ~ 140°F	-40°C ~ 60°C



Years Warranty



Smart Control



Wet Location



Pressure Washable



Impact Resistance



High Temperature



Hazardous Area



ILX3525 Series

LED Hazardous Area Lighting - 75Watt

Ordering Information

ILX3525 -	Wattage	Voltage	Optics	Pitch	CCT	Driver & Control *	Mounting **
	035 = 35Watt 055 = 55Watt 075 = 75Watt 100 = 100Watt	UV = 100-277VAC HV = 200-480VAC DV = 127-390VDC	02 = Type II S5 = Type V Rectangular F5 = Type V Frosted	M = Medium L = Long	30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable DM = Dimmable DS = Daylight Sensor MS = Motion Sensor SC = Smart Control	PDS = Pendant Mount SWL = Swivel Mount S90 = 90° Stanchion Mount S25 = 25° Stanchion Mount WS9 = 90° Stanchion Wall Mount WS2 = 25° Stanchion Wall Mount

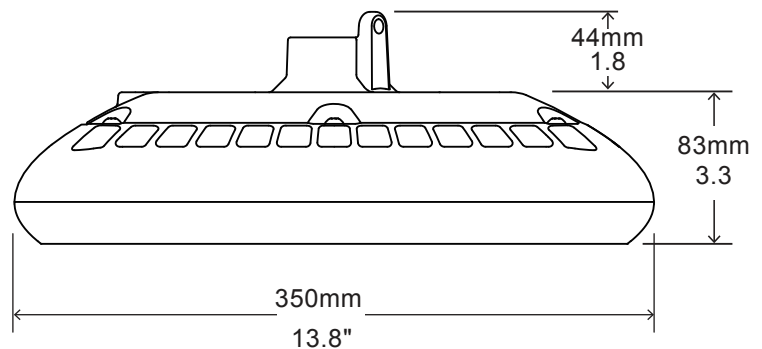
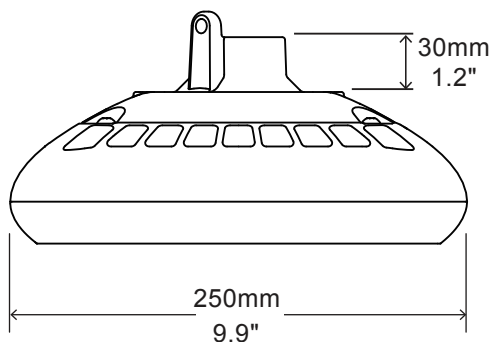
NOTE: Gray is the standard exterior color.

* Smart control & daylight sensor available with ZHAGA standard receptacle module.

** PDS is the standard mounting system, with 1" NPT threaded hole.

Example

Part Number	Part Description
ILX3525-075UV-S5M-50ND-SSL	LED Hazardous Area Light / 75 Watt / 100-277VAC / Type V Rectangular / Medium Pitch / 5000K Cool White / Non-Dimmable / Snap & Slide Mount



Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
1	38.5 x 28.5 x 16.5 cm 15.2 x 11.25 x 6.5 in	5.7 kg 12.5 lbs



ILX3525 Series

LED Hazardous Area Lighting - 75Watt

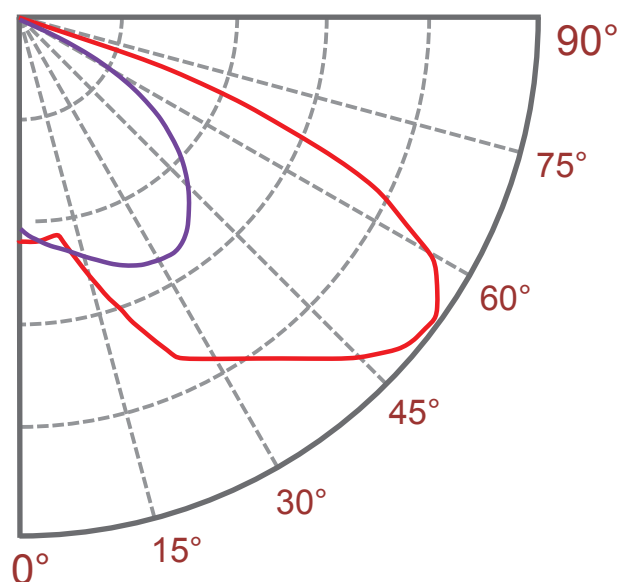
Specification - Type II Medium

Fixture Watts	75 W
Lumens (Total) *	10,500 lm
Efficacy *	140 lm / W
Number of LEDs & Driving Current	48@505mA
T _s - Solder Point Temp *	60°C / 140°F
L70 Rating @ T _a 25°C	> 150K hours
Operational Temperature (T _a)	-40° ~ 60°C / -40° ~ 140°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC
LED Model	Lumileds / Nichia / Cree
CRI	>75
Lighting Control	Dimmable (0-10V, PWM) / Smart Control / Daylight & Motion Sensor
Warranty	10-Year Limited
Storage Temperature / Humidity	-50° ~ 80°C / -58° ~ 176°F / IP69K Rated Fixture
Transient Surge Protection	10kV / 5kA (L-L, L-G) Optional 20kV / 10kA

* Test data @ T_a: 25°C. All lumen values have ±7% tolerance

NOTE: Light intensities measured directly below fixture

Light Distribution Curve



C0/C180 —————
C90/C270 —————

Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	3349	32.2%
0-40	6042	58.1%
0-60	9703	93.3%
0-90	10338	99.4%
0-180	10400	100.0%

ILX3525 Series

LED Hazardous Area Lighting - 75Watt

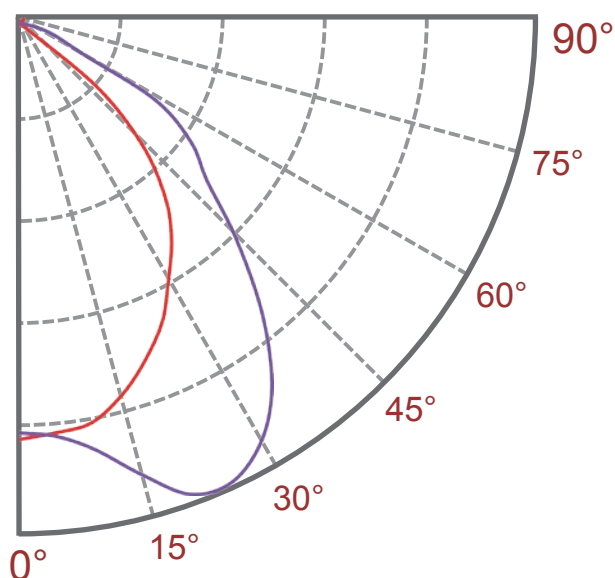
Specification - Type V Rectangular

Fixture Watts	75 W
Lumens (Total) *	10,725 lm
Efficacy *	143 lm / W
Number of LEDs & Driving Current	48@505mA
T _s - Solder Point Temp *	58°C / 136°F
L70 Rating @ T _a 25°C	> 150K hours
Operational Temperature (T _a)	-40° ~ 60°C / -40° ~ 140°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC
LED Model	Lumileds / Nichia / Cree
CRI	>75
Lighting Control	Dimmable (0-10V, PWM) / Smart Control / Daylight & Motion Sensor
Warranty	10-Year Limited
Storage Temperature / Humidity	-50° ~ 80°C / -58° ~ 176°F / IP69K Rated Fixture
Transient Surge Protection	10kV / 5kA (L-L, L-G) Optional 20kV / 10kA

* Test data @ T_a: 25°C. All lumen values have ±7% tolerance

NOTE: Light intensities measured directly below fixture

Light Distribution Curve



C0/C180 ————
C90/C270 ————

Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	4033	37.6%
0-40	6499	60.6%
0-60	10189	95.0%
0-90	10693	99.7%
0-180	10725	100.0%

ILX3525 Series

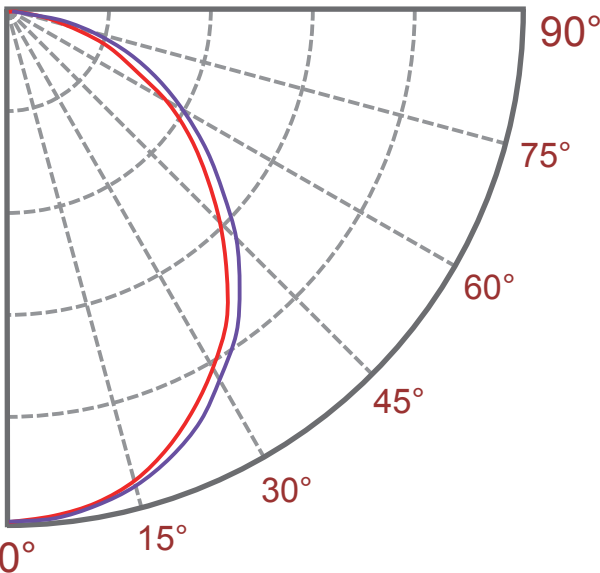
LED Hazardous Area Lighting - 75Watt

Specification - F5 Type V Frosted

Fixture Watts	75 W
Lumens (Total) *	9,750 lm
Efficacy *	130 lm / W
Number of LEDs & Driving Current	48@505mA
T _s - Solder Point Temp *	59°C / 138°F
L70 Rating @ T _a 25°C	> 150K hours
Operational Temperature (T _a)	-40° ~ 60°C / -40° ~ 140°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC
LED Model	Lumileds / Nichia / Cree
CRI	>75
Lighting Control	Dimmable (0-10V, PWM) / Smart Control / Daylight & Motion Sensor
Warranty	10-Year Limited
Storage Temperature / Humidity	-50° ~ 80°C / -58° ~ 176°F / IP69K Rated Fixture
Transient Surge Protection	10kV / 5kA (L-L, L-G) Optional 20kV / 10kA

* Test data @ T_a: 25°C. All lumen values have ±7% tolerance
NOTE: Light intensities measured directly below fixture

Light Distribution Curve



C0/C180 —————
C90/C270 —————

Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	3159	32.4%
0-40	5051	51.8%
0-60	8151	83.6%
0-90	9692	99.4%
0-180	9750	100.0%