

ILX 450 Series

Extreme Application LED Lighting

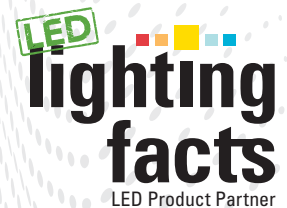


Advantages of ILX450

- Ultra bright industry leading **High Efficacy (lm/W)** LED industrial light
- **Hazardous Area and High Heat Rating** with an operational temperature of - 50 ~ + 65°C
- NEMA 4X industrial grade Dura-Guard powder coating with **10 years protection on weather and corrosion**
- **Marine Rated Stainless Steel** components and trimmings
- Proprietary Reflector and optics enabling glare-free uniform lighting for all applications. Eliminating the need for costly and fragile plastic lenses
- Advanced Thermal Technology enables low LED junction temperatures (Tj) for **maintenance free long life**
- High efficiency LED driver with integrated smart circuitry and **surge & transient voltage protection**
- Optional **RF / WIFI Wireless Dali Control System** with PIR motion & daylight sensor enabling greater savings and flexibility
- **L70 Rating @ Ta 25°C over 170,000 hour rated life**
- IP68 and **Petro-Chemical Industry rated** luminaire with an exceptional 10-Year Limited Warranty
- **Designed and engineered in USA**

Application - High Bay

- Oil & Gas
- Mining
- Food processing
- Foundries
- Paper and Pulp Mills
- Grain Mills
- Desalination Plants
- Chemical Plants
- Power Generation
- Water & Sewage



ILX 450 Series

Extreme Application LED Lighting

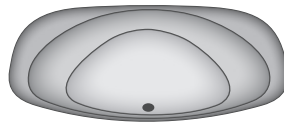
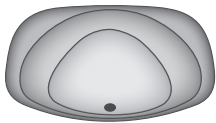
Optics Options

02 - Type II / wall mount & perimeter lighting

S - Short

M - Medium

L - Long

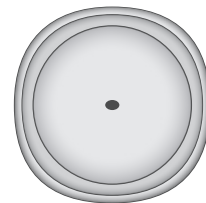
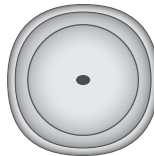
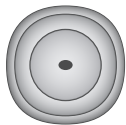


R5 - Type V Round / symmetric for low-mid-high bay, parking garages and flood application

S - Short

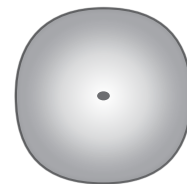
M - Medium

L - Long



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

L - Long



S5 - Type V Square / symmetric for high-bay, isle, high-mast and flood application

S - Short

M - Medium

L - Long



ILX 450 Series

Extreme Application LED Lighting

Mounting Options



SPRING LOADED SNAP & TURN SURFACE MOUNTING SYSTEM

Part Number

Part Description

SST-ILX45-SS |

Snap & Turn Surface Mount Bracket / Stainless Steel



SPRING LOADED SNAP & TURN MOUNTING SYSTEM

Part Number

Part Description

SST-ILX45-H45SS |

Snap & Turn Hanging System / 18" (45cm) / Stainless Steel

SST-ILX45-H90SS |

Snap & Turn Hanging System / 36" (90cm) / Stainless Steel



CHAIN CHANDELIER MOUNTING SYSTEM

Part Number

Part Description

CH4-ILX45-45SS |

4 Link Chain Chandelier System / 18" (45cm) / Stainless Steel

CH4-ILX45-90SS |

4 Link Chain Chandelier System / 36" (90cm) / Stainless Steel



WALL MOUNTING SYSTEM

Part Number

W90-ILX45-45B |

90° Wall Mount Elbow Bracket / 18" (45cm) / Galvanized Steel Black

W90-ILX45-75B |

90° Wall Mount Elbow Bracket / 30" (75cm) / Galvanized Steel Black



VARIABLE ANGLE SWIVEL MOUNTING SYSTEM

Part Number

SWL-ILX45-SS |

Variable Angle Swivel Mounting Bracket / Stainless Steel



TANDEM MOUNTING SYSTEM

Part Number

TMS-ILX45-90SS |

Tandem Mounting System / 36" (90cm) / Stainless Steel

ILX 450 Series

Extreme Application LED Lighting - 150Watt

Ordering Information

| ILX45 | Wattage | Voltage | Optics | Pitch | CCT | Driver | Mounting * |
|-------|---|--|--|-------------------------------------|--|---|---|
| | 075 = 75Watt 100 = 100Watt 120 = 120Watt 150 = 150Watt 185 = 185Watt 220 = 220Watt | UV = 90-277VAC HV = 305-528VAC DV = 127-380VDC | 02 = Type II R5 = Type V Round S5 = Type V Square F5 = Type V Frosted | S = Short M = Medium L = Long | 30 = 3000K 40 = 4000K 50 = 5000K | ND = Non-Dimmable DM = Dimmable DS = Dimmable With Sensor DL = Dali Control LS = Dali Control With Sensor | SST = Snap & Turn CH4 = 4 Chain W90 = 90° Mount SWL = Swivel Mount TMS = Tandem Mount |

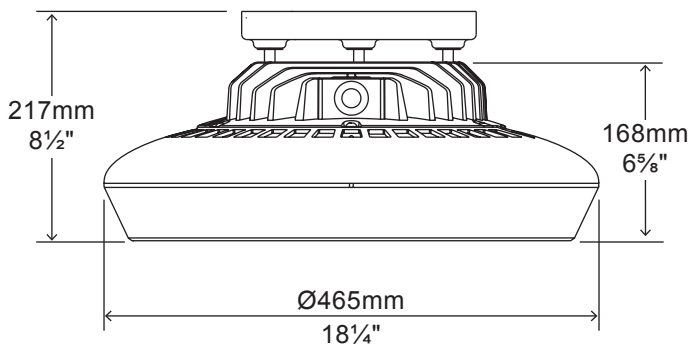
* SST mount is standard, please see mounting options accessories for details.

NOTE: Outdoor application and corrosive environment please request glass lens.
Gray is the standard exterior color. Other colors are available on request.

Example

| Part Number | Part Description |
|-------------------------|---|
| ILX45150UV-R5M-50DS-SST | LED Industrial Light / 150Watt / 90-277VAC / Type V Round / Medium Pitch / 5000K Cool White / Dimmable with Motion Sensor / Snap & Turn |

External Dimensions



Packaging Information

| Quantity | Dimensions (LxWxH) | Weight |
|----------|--|---------------------|
| 1 | 50 x 50 x 28 cm 19 5/8 x 19 5/8 x 11 in | 16.5 kg 36.3 lbs |

ILX 450 Series

Extreme Application LED Lighting - 150Watt - Type II

Specification - Type II Short

| | |
|---|---|
| Input Voltage | 90-277VAC 47~63Hz (348 & 480VAC available) / 127~380VDC |
| Fixture Watts | 150 Watt |
| Lumens (Total) * | 16,650 Lumens |
| Efficacy * | 111 Lumens / W |
| LED Model | Lumileds / Nichia / Cree |
| Number of LEDs & Driving Current | 24@560mA |
| CRI | 75 |
| T _s - Solder Point Temp * | 63°C |
| L70 Rating @ T _a 25°C | > 170K hours |
| Lighting Control | Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor |
| Warranty | 10-Year Limited |
| Operational Temperature (T _a) | -40°C ~ 65°C |
| Storage Temp. / Humidity | -40°C ~ 80°C / IP68 Waterproof Rated Fixture |
| Transient Surge Protection | 6kV / 3kA; optional 20kV / 10kA (L - L, L-G) |

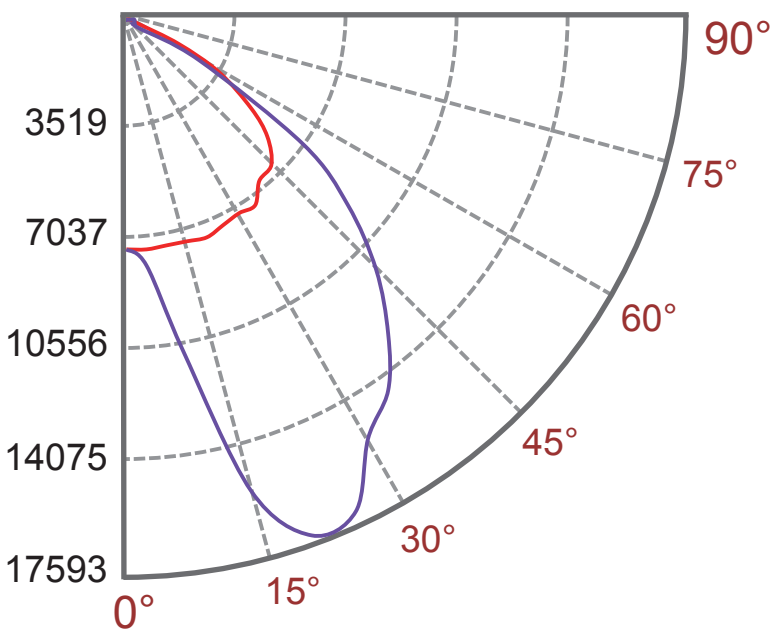
* Test data @ 25°C

NOTE: All 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 | 5194.8 | 31.2% |
| 0-40 | 8957.7 | 53.8% |
| 0-60 | 15567.8 | 93.5% |
| 0-90 | 16633.4 | 99.9% |
| 0-180 | 16650.0 | 100.0% |

Illumination Levels

| Mounting Height | LUX | FC |
|-----------------|-------|------|
| 4m / 13ft | 400 | 37 |
| 5m / 16.5ft | 256 | 24 |
| 6m / 20ft | 178 | 16.5 |
| 7m / 23ft | 130.5 | 12 |
| 8m / 26ft | 100 | 9 |
| 9m / 29.5ft | 79 | 7 |
| 10m / 33ft | 64 | 6 |

ILX 450 Series

Extreme Application LED Lighting - 150Watt - Type II

Specification - Type II Medium

| | |
|---|---|
| Input Voltage | 90-277VAC 47~63Hz (348 & 480VAC available) / 127~380VDC |
| Fixture Watts | 150 Watt |
| Lumens (Total) * | 17,550 Lumens |
| Efficacy * | 117 Lumens / W |
| LED Model | Lumileds / Nichia / Cree |
| Number of LEDs & Driving Current | 24@560mA |
| CRI | 75 |
| T _s - Solder Point Temp * | 63°C |
| L70 Rating @ T _a 25°C | > 170K hours |
| Lighting Control | Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor |
| Warranty | 10-Year Limited |
| Operational Temperature (T _a) | -40°C ~ 65°C |
| Storage Temp. / Humidity | -40°C ~ 80°C / IP68 Waterproof Rated Fixture |
| Transient Surge Protection | 6kV / 3kA; optional 20kV / 10kA (L - L, L-G) |

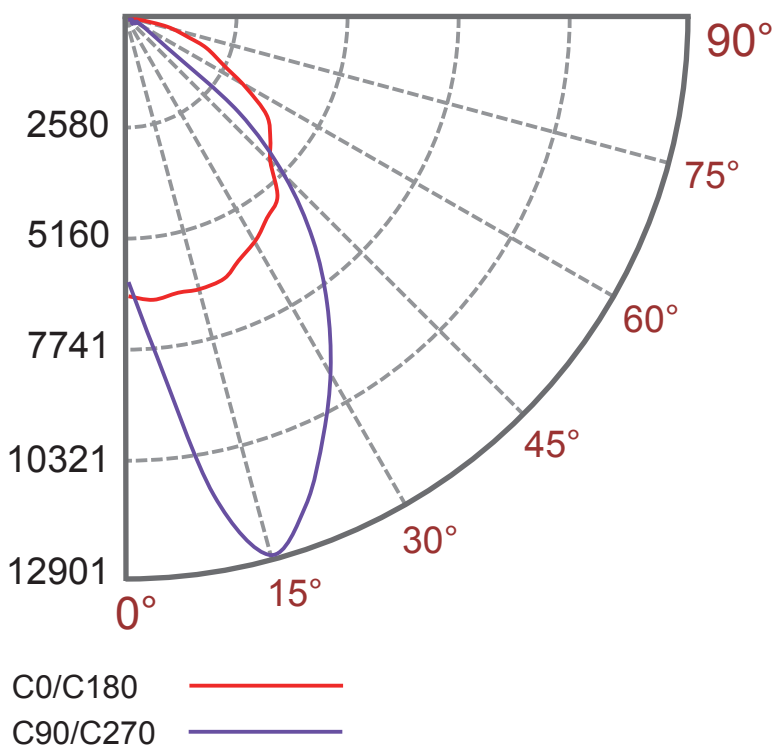
* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



Light Distribution Curve



Zonal Lumen Summary

| Zone (°) | Lumens | % Fixture |
|----------|---------|-----------|
| 0-30 | 5861.7 | 33.4% |
| 0-40 | 9301.5 | 53.0% |
| 0-60 | 14970.2 | 85.3% |
| 0-90 | 17497.4 | 99.7% |
| 0-180 | 17550.0 | 100.0% |

Illumination Levels

| Mounting Height | LUX | FC |
|-----------------|-------|------|
| 4m / 13ft | 400 | 37 |
| 5m / 16.5ft | 256 | 24 |
| 6m / 20ft | 178 | 16.5 |
| 7m / 23ft | 130.5 | 12 |
| 8m / 26ft | 100 | 9 |
| 9m / 29.5ft | 79 | 7 |
| 10m / 33ft | 64 | 6 |

ILX 450 Series

Extreme Application LED Lighting - 150Watt

Specification - Type V Round Medium

| | |
|---|---|
| Input Voltage | 90-277VAC 47~63Hz (348 & 480VAC available) / 127~380VDC |
| Fixture Watts | 150 Watt |
| Lumens (Total) * | 20,100 Lumens |
| Efficacy * | 134 Lumens / W |
| LED Model | Lumileds / Nichia / Cree |
| Number of LEDs & Driving Current | 28@480mA |
| CRI | 70 / 80 |
| T _s - Solder Point Temp * | 59°C |
| L70 Rating @ T _a 25°C | > 175K hours |
| Lighting Control | Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor |
| Warranty | 10-Year Limited |
| Operational Temperature (T _a) | -40°C ~ 65°C |
| Storage Temp. / Humidity | -40°C ~ 80°C / IP68 Waterproof Rated Fixture |
| Transient Surge Protection | 6kV / 3kA; optional 20kV / 10kA (L - L, L-G) |

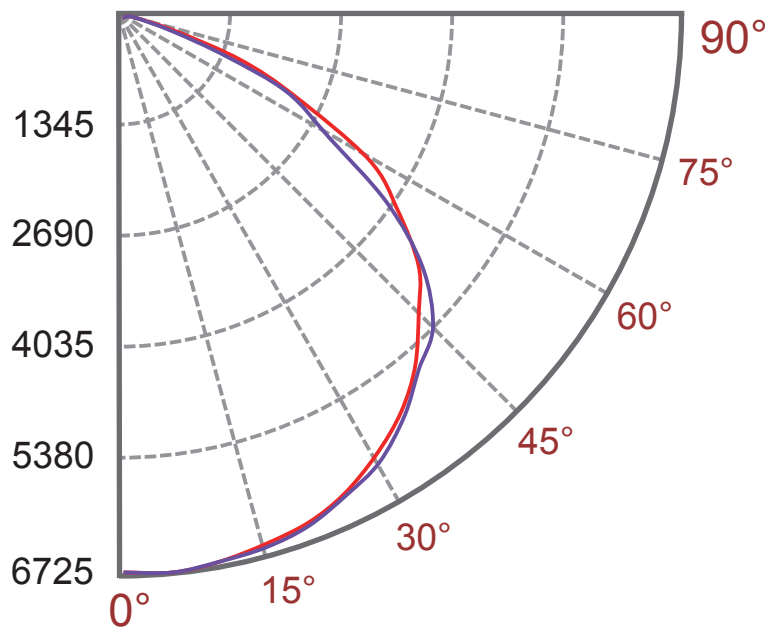
* Test data @ 25°C

NOTE: All 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 | 5527.5 | 27.5% |
| 0-40 | 9286.2 | 46.2% |
| 0-60 | 17004.6 | 84.6% |
| 0-90 | 20100.0 | 100.0% |
| 0-180 | 20100.0 | 100.0% |

Illumination Levels

| Mounting Height | LUX | FC |
|-----------------|-------|----|
| 4m / 13ft | 418 | 39 |
| 5m / 16.5ft | 268 | 25 |
| 6m / 20ft | 186 | 17 |
| 7m / 23ft | 136.5 | 13 |
| 8m / 26ft | 104.5 | 10 |
| 9m / 29.5ft | 83 | 8 |
| 10m / 33ft | 67 | 6 |

ILX 450 Series

Extreme Application LED Lighting - 150Watt

Specification - Type V Round Long

| | |
|---|---|
| Input Voltage | 90-277VAC 47~63Hz (348 & 480VAC available) / 127~380VDC |
| Fixture Watts | 150 Watt |
| Lumens (Total) * | 17,400 Lumens |
| Efficacy * | 116 Lumens / W |
| LED Model | Lumileds / Nichia / Cree |
| Number of LEDs & Driving Current | 28@480mA |
| CRI | 70 / 80 |
| T _s - Solder Point Temp * | 59°C |
| L70 Rating @ T _a 25°C | > 175K hours |
| Lighting Control | Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor |
| Warranty | 10-Year Limited |
| Operational Temperature (T _a) | -40°C ~ 65°C |
| Storage Temp. / Humidity | -40°C ~ 80°C / IP68 Waterproof Rated Fixture |
| Transient Surge Protection | 6kV / 3kA; optional 20kV / 10kA (L - L, L-G) |

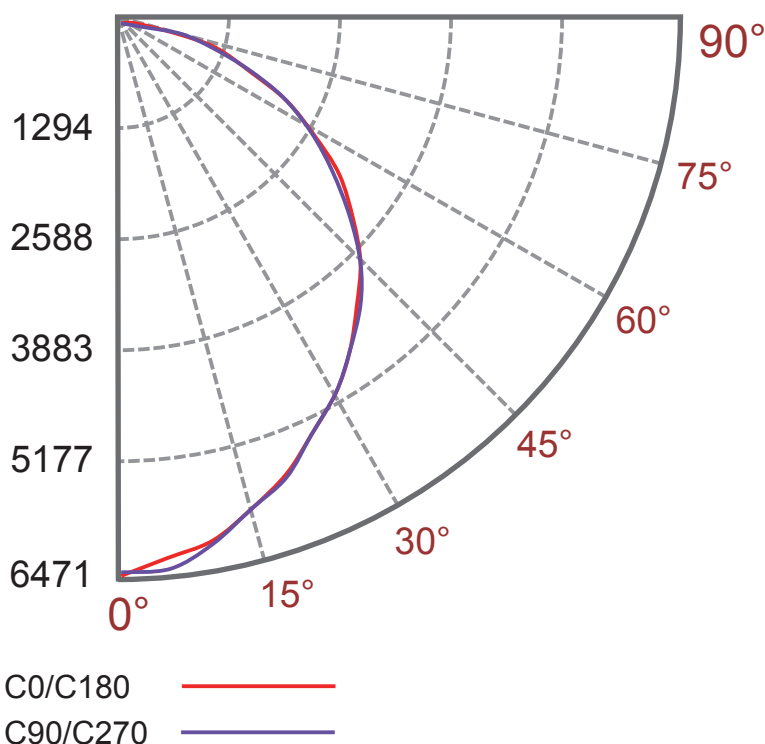
* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



Light Distribution Curve



Zonal Lumen Summary

| Zone (°) | Lumens | % Fixture |
|----------|---------|-----------|
| 0-30 | 4819.8 | 27.7% |
| 0-40 | 7795.2 | 44.8% |
| 0-60 | 13676.4 | 78.6% |
| 0-90 | 17330.4 | 99.6% |
| 0-180 | 17400.0 | 100.0% |

Illumination Levels

| Mounting Height | LUX | FC |
|-----------------|-------|------|
| 4m / 13ft | 403.5 | 37.5 |
| 5m / 16.5ft | 258 | 24 |
| 6m / 20ft | 179.5 | 16.5 |
| 7m / 23ft | 132 | 12 |
| 8m / 26ft | 101 | 9 |
| 9m / 29.5ft | 80 | 7.5 |
| 10m / 33ft | 65 | 6 |

ILX 450 Series

Extreme Application LED Lighting - 150Watt

Specification - Type V Frosted Long

| | |
|---|---|
| Input Voltage | 90-277VAC 47~63Hz (348 & 480VAC available) / 127~380VDC |
| Fixture Watts | 150 Watt |
| Lumens (Total) * | 18,000 Lumens |
| Efficacy * | 120 Lumens / W |
| LED Model | Lumileds / Nichia / Cree |
| Number of LEDs & Driving Current | 28@480mA |
| CRI | 70 / 80 |
| T _s - Solder Point Temp * | 59°C |
| L70 Rating @ T _a 25°C | > 175K hours |
| Lighting Control | Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor |
| Warranty | 10-Year Limited |
| Operational Temperature (T _a) | -40°C ~ 65°C |
| Storage Temp. / Humidity | -40°C ~ 80°C / IP68 Waterproof Rated Fixture |
| Transient Surge Protection | 6kV / 3kA; optional 20kV / 10kA (L - L, L-G) |

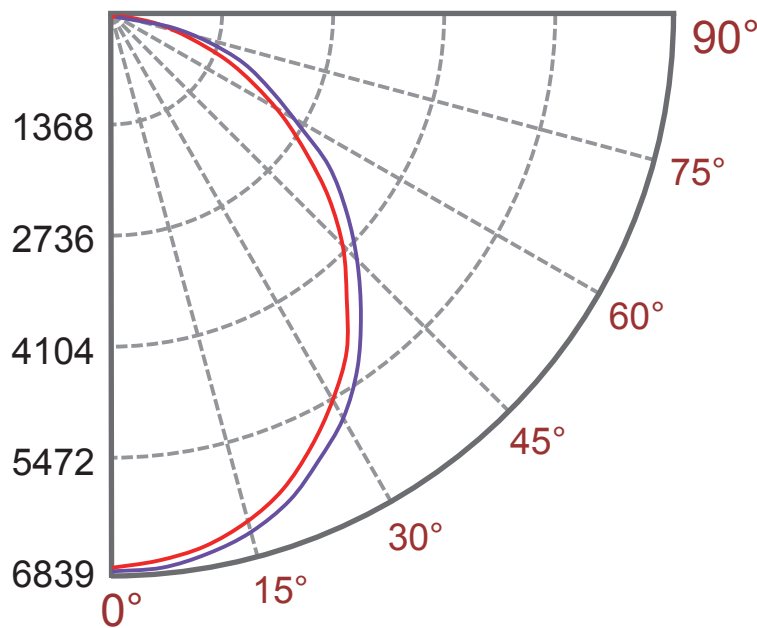
* Test data @ 25°C

NOTE: All 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 | 5292.0 | 29.4% |
| 0-40 | 8532.0 | 47.4% |
| 0-60 | 14526.0 | 80.7% |
| 0-90 | 17928.0 | 99.6% |
| 0-180 | 18000.0 | 100.0% |

Illumination Levels

| Mounting Height | LUX | FC |
|-----------------|-------|------|
| 4m / 13ft | 422 | 39 |
| 5m / 16.5ft | 270 | 25 |
| 6m / 20ft | 187.5 | 17.5 |
| 7m / 23ft | 138 | 13 |
| 8m / 26ft | 105.5 | 10 |
| 9m / 29.5ft | 83 | 8 |
| 10m / 33ft | 67.5 | 6 |

ILX 450 Series

Extreme Application LED Lighting - 150Watt

Specification - Type V Square Short

| | |
|---|---|
| Input Voltage | 90-277VAC 47~63Hz (348 & 480VAC available) / 127~380VDC |
| Fixture Watts | 150 Watt |
| Lumens (Total) * | 20,100 Lumens |
| Efficacy * | 134 Lumens / W |
| LED Model | Lumileds / Nichia / Cree |
| Number of LEDs & Driving Current | 28@480mA |
| CRI | 75 |
| T _s - Solder Point Temp * | 59°C |
| L70 Rating @ T _a 25°C | > 170K hours |
| Lighting Control | Dimmable (0-10V, PWM) / DALI / Daylight & Motion Sensor |
| Warranty | 10-Year Limited |
| Operational Temperature (T _a) | -40°C ~ 65°C |
| Storage Temp. / Humidity | -40°C ~ 80°C / IP68 Waterproof Rated Fixture |
| Transient Surge Protection | 6kV / 3kA; optional 20kV / 10kA (L - L, L-G) |

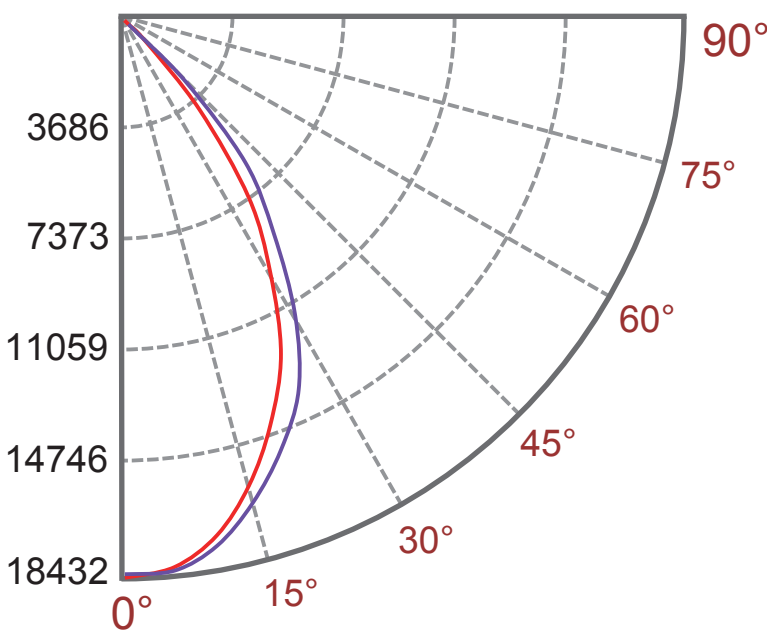
* Test data @ 25°C

NOTE: All 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 | 12080.1 | 60.1% |
| 0-40 | 17286.0 | 86.0% |
| 0-60 | 20019.6 | 99.6% |
| 0-90 | 20100.0 | 100.0% |
| 0-180 | 20100.0 | 100.0% |

Illumination Levels

| Mounting Height | LUX | FC |
|-----------------|-------|------|
| 4m / 13ft | 1151 | 107 |
| 5m / 16.5ft | 737 | 68.5 |
| 6m / 20ft | 511.5 | 47.5 |
| 7m / 23ft | 376 | 35 |
| 8m / 26ft | 288 | 27 |
| 9m / 29.5ft | 227 | 21 |
| 10m / 33ft | 184 | 17 |