

ILX 450 Series

Extreme Application LED Lighting

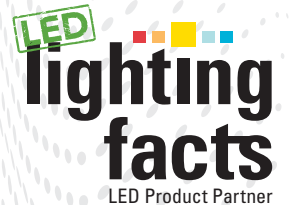


Advantages of ILX450

- 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 150,000 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

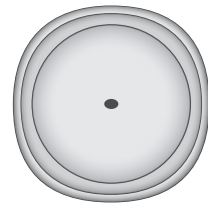
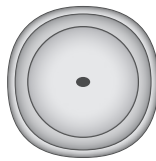
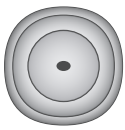
Optics Options

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

S - Short

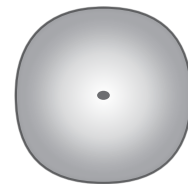
M - Medium

L - Long



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

L - Long

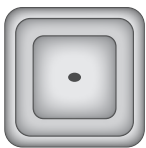


S5 - Type V Square / symmetric for high-bay, isle, high-mast and flood application

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 | Part Description |
|---------------|--|
| 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 | Part Description |
|--------------|--|
| SWL-ILX45-SS | Variable Angle Swivel Mounting Bracket / Stainless Steel |



TANDEM MOUNTING SYSTEM

| Part Number | Part Description |
|----------------|---|
| TMS-ILX45-90SS | Tandem Mounting System / 36" (90cm) / Stainless Steel |

ILX 450 Series

Extreme Application LED Lighting - 220Watt

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 |

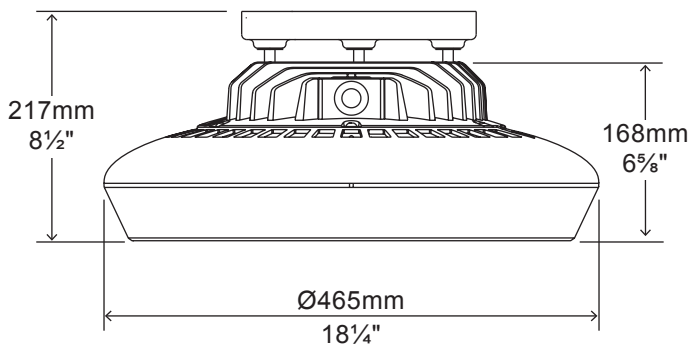
* SST mount is standard, please see mounting options accessories for details.

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 |
|-------------------------|---|
| ILX45220UV-R5M-50DS-SST | LED Industrial Light / 220Watt / 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 - 220Watt - Type V Round

Specification - Type V Round Medium

| | |
|--|---|
| Input Voltage | 90-277VAC 47~63Hz (348 & 480VAC available) / 127~380VDC |
| Fixture Watts | 220 Watt |
| Lumens (Total) * | 26,180 Lumens |
| Efficacy * | 119 Lumens / W |
| LED Model | Lumileds / Nichia / Cree |
| Number of LEDs & Driving Current | 28@700mA |
| CRI | 70 / 80 |
| T _J - Junction Temp (T _a @ 25°C) | 71°C |
| L70 Rating @ T _a 25°C | > 150K 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) |

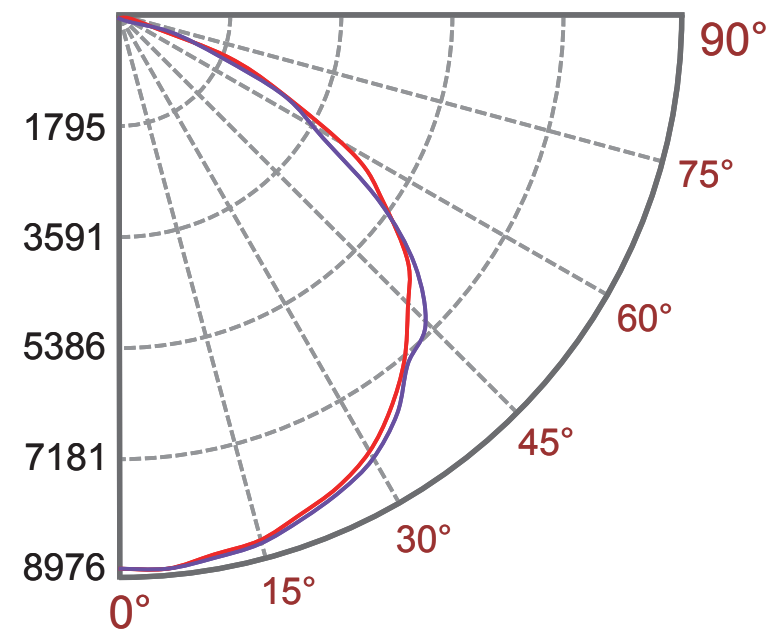
* Test data @ 25°C

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 | 7251.9 | 27.7% |
| 0-40 | 12147.5 | 46.4% |
| 0-60 | 22200.6 | 84.8% |
| 0-90 | 26180.0 | 100.0% |
| 0-180 | 26180.0 | 100.0% |

Illumination Levels

| Mounting Height | LUX | FC |
|-----------------|-------|----|
| 4m / 13ft | 558 | 52 |
| 5m / 16.5ft | 357 | 33 |
| 6m / 20ft | 248 | 23 |
| 7m / 23ft | 182 | 17 |
| 8m / 26ft | 139.5 | 13 |
| 9m / 29.5ft | 110 | 10 |
| 10m / 33ft | 89 | 8 |

ILX 450 Series

Extreme Application LED Lighting - 220Watt - Type V Round

Specification - Type V Round Long

| | |
|--|---|
| Input Voltage | 90-277VAC 47~63Hz (348 & 480VAC available) / 127~380VDC |
| Fixture Watts | 220 Watt |
| Lumens (Total) * | 26,180 Lumens |
| Efficacy * | 119 Lumens / W |
| LED Model | Lumileds / Nichia / Cree |
| Number of LEDs & Driving Current | 28@700mA |
| CRI | 70 / 80 |
| T _J - Junction Temp (T _a @ 25°C) | 71°C |
| L70 Rating @ T _a 25°C | > 150K 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) |

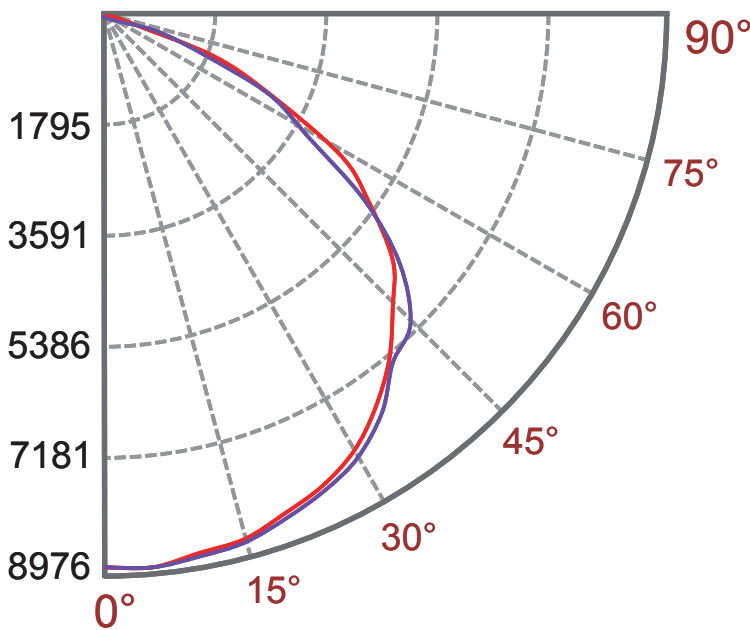
* Test data @ 25°C

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 | 7278.0 | 27.8% |
| 0-40 | 11754.8 | 44.9% |
| 0-60 | 20603.7 | 78.7% |
| 0-90 | 26075.3 | 99.6% |
| 0-180 | 26180.0 | 100.0% |

Illumination Levels

| Mounting Height | LUX | FC |
|-----------------|-------|----|
| 4m / 13ft | 558 | 52 |
| 5m / 16.5ft | 357 | 33 |
| 6m / 20ft | 248 | 23 |
| 7m / 23ft | 182 | 17 |
| 8m / 26ft | 139.5 | 13 |
| 9m / 29.5ft | 110 | 10 |
| 10m / 33ft | 89 | 8 |

ILX 450 Series

Extreme Application LED Lighting - 220Watt - Type V Frosted

Specification - Type V Frosted Long

| | |
|--|---|
| Input Voltage | 90-277VAC 47~63Hz (348 & 480VAC available) / 127~380VDC |
| Fixture Watts | 220 Watt |
| Lumens (Total) * | 23,540 Lumens |
| Efficacy * | 107 Lumens / W |
| LED Model | Lumileds / Nichia / Cree |
| Number of LEDs & Driving Current | 28@700mA |
| CRI | 70 / 80 |
| T _J - Junction Temp (T _a @ 25°C) | 71°C |
| L70 Rating @ T _a 25°C | > 150K 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) |

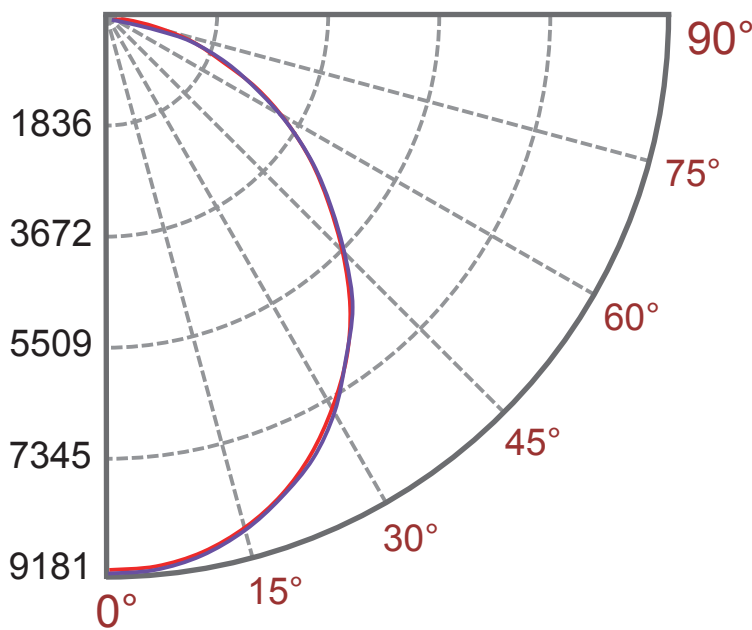
* Test data @ 25°C

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 | 6897.2 | 29.3% |
| 0-40 | 11134.4 | 47.3% |
| 0-60 | 18949.7 | 80.5% |
| 0-90 | 23492.9 | 99.8% |
| 0-180 | 23540.0 | 100.0% |

Illumination Levels

| Mounting Height | LUX | FC |
|-----------------|-------|----|
| 4m / 13ft | 559.5 | 52 |
| 5m / 16.5ft | 358 | 33 |
| 6m / 20ft | 249 | 23 |
| 7m / 23ft | 183 | 17 |
| 8m / 26ft | 140 | 13 |
| 9m / 29.5ft | 110.5 | 10 |
| 10m / 33ft | 89.5 | 8 |

ILX 450 Series

Extreme Application LED Lighting - 220Watt - Type V Square

Specification - Type V Square Short

| | |
|--|---|
| Input Voltage | 90-277VAC 47~63Hz (348 & 480VAC available) / 127~380VDC |
| Fixture Watts | 220 Watt |
| Lumens (Total)* | 26,400 Lumens |
| Efficacy* | 120 Lumens / W |
| LED Model | Lumileds / Nichia / Cree |
| Number of LEDs & Driving Current | 28@700mA |
| CRI | 75 |
| T _J - Junction Temp (T _a @ 25°C) | 71°C |
| L70 Rating @ T _a 25°C | > 150K 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) |

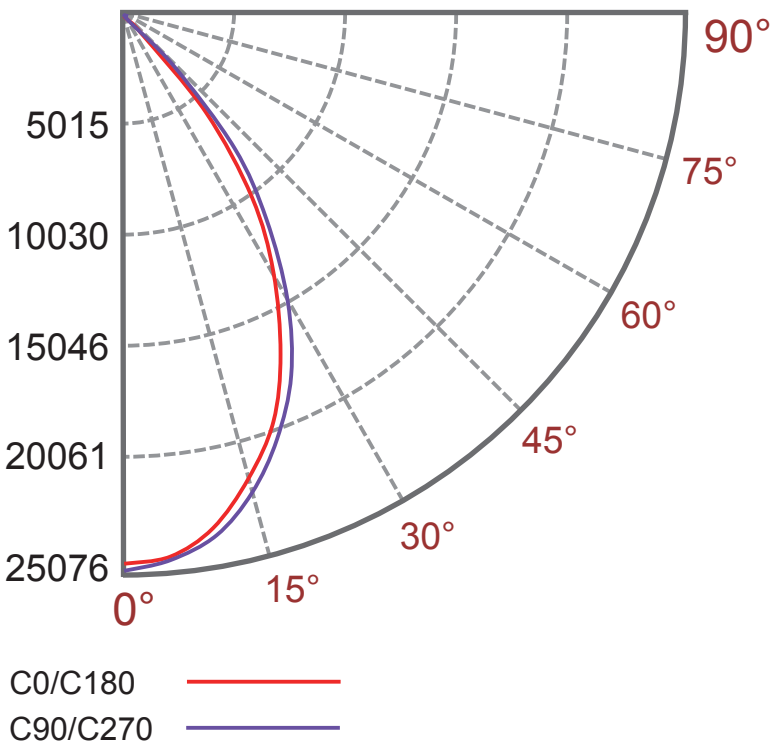
* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance

NOTE: Light intensities measured directly below fixture



Light Distribution Curve



Zonal Lumen Summary

| Zone (°) | Lumens | % Fixture |
|----------|---------|-----------|
| 0-30 | 15919.2 | 60.3% |
| 0-40 | 22756.8 | 86.2% |
| 0-60 | 26373.6 | 99.9% |
| 0-90 | 26400.0 | 100.0% |
| 0-180 | 26400.0 | 100.0% |

Illumination Levels

| Mounting Height | LUX | FC |
|-----------------|------|-----|
| 4m / 13ft | 1542 | 143 |
| 5m / 16.5ft | 987 | 92 |
| 6m / 20ft | 685 | 64 |
| 7m / 23ft | 503 | 47 |
| 8m / 26ft | 385 | 36 |
| 9m / 29.5ft | 305 | 28 |
| 10m / 33ft | 247 | 23 |