IL280 Series

LED Industrial Mid-Low Bay Lighting

Advantages of IL280

- Compact low profile design, LED industrial light
- Available in 35 / 55 / 75 Watt configurations with various optics
- Ultra-bright industry leading high efficacy up to 187 lm / W
- Proprietary optical system enabling glare-free uniform lighting, eliminating the need for costly and fragile plastic lenses
- Advanced thermal technology enables low LED junction temperatures (Tj) for maintenance free long life
- IP68 rated tri-proof (dust, vapor & water-proof) luminaire
- Available with versatile mounting options for various industrial applications
- Optional wireless smart control system with motion & daylight sensor enabling greater savings and flexibility
- Titanium rated high efficiency LED driver with smart circuitry
- L70 ≥ 145,000 hours with an exceptional 10-year limited warranty
- Designed and engineered in the USA

Years Warranty

Smart Control

Wet Location

Impact Resistance

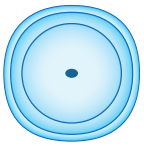
Applications

- Manufacturing Plants
- Warehouses
- Supermarkets
- Airports
- Cold Storage Facilities
- Telecom Centers

Optics Options

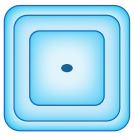
R5 - Type V Round / symmetric for mid-low bay, parking garages and flood applications

M - Medium



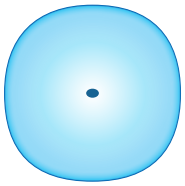
S5 - Type V Square / symmetric for mid-low bay, aisle and flood applications

S - Short



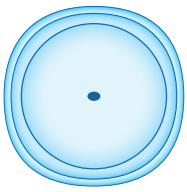
F5 - Type V Opaque - Frosted / symmetric for ultra uniform & low glare applications

L - Long



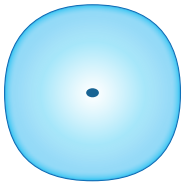
WC - Well Glass - Clear / spherical symmetric for area lighting, parking garages and wide flood applications

M - Medium



WF - Well Glass - Frosted / spherical symmetric for ultra uniform & low glare applications

L - Long



Mounting Options

Pendant Mounting System

Part Number	Part Description
PDS-IL28	Pendant Mounting Interface / 3/4” Pipe Not Included

Snap & Turn Surface Mounting System

Part Number	Part Description
SST-IL28-B	Snap & Turn Surface Mount Bracket / Steel Black

Chain Chandelier Mounting System

Part Number	Part Description
CH4-IL28-45C	4 Link Chain Chandelier System / 18" (45cm) / Chrome Steel
CH4-IL28-90C	4 Link Chain Chandelier System / 36" (90cm) / Chrome Steel

Swivel Mounting System

Part Number	Part Description
SWL-IL45-SS	Variable Angle Swivel Mounting Bracket / Stainless Steel

IL280 Series

LED Industrial Mid-Low Bay Lighting - 35Watt

Ordering Information

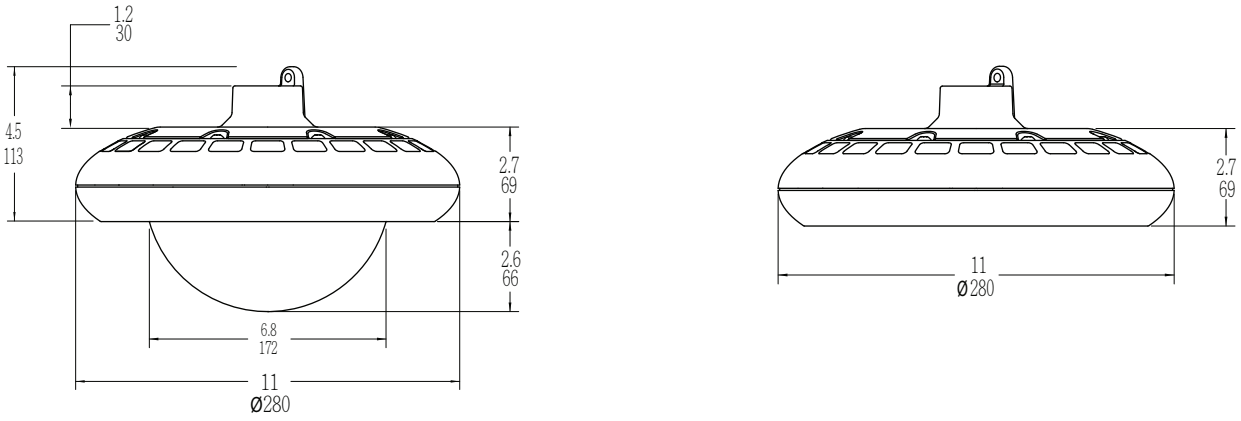
IL28	Wattage	Voltage	–	Optics	Pitch	–	CCT	Driver & Control *	–	Mounting **
	035 = 35Watt 055 = 55Watt 075 = 75Watt	UV = 100-277VAC HV = 200-480VAC DV = 127-390VDC		R5 = Type V Round S5 = Type V Square F5 = Type V Frosted WC = Well Glass Clear WF = Well Glass Frosted	S = Short M = Medium L = Long		30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable DM = Dimmable DS = Daylight Sensor MS = Motion Sensor SC = Smart Control		PDS = Pendant Mount SST = Snap & Turn Mount CH4 = 4 Chain Mount SWL = Swivel 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
IL28035UV-R5M-50DM-SWL	IL280 LED Industrial Light / 35 Watt / 100-277VAC / Type V Round / Medium Pitch / 5000K Cool White / Dimmable / Swivel Mount

External Dimensions



Packaging Information

Model	Case Quantity	Dimensions (LxWxH)	Weight
IL280	1	30 x 30 x 13.3 cm 11.2 x 11.2 x 5.3 in	3.9 kg 8.6 lbs
IL280 Well Glass	1	30 x 30 x 20 cm 11.2 x 11.2 x 7.8 in	4 kg 8.8 lbs

IL280 Series

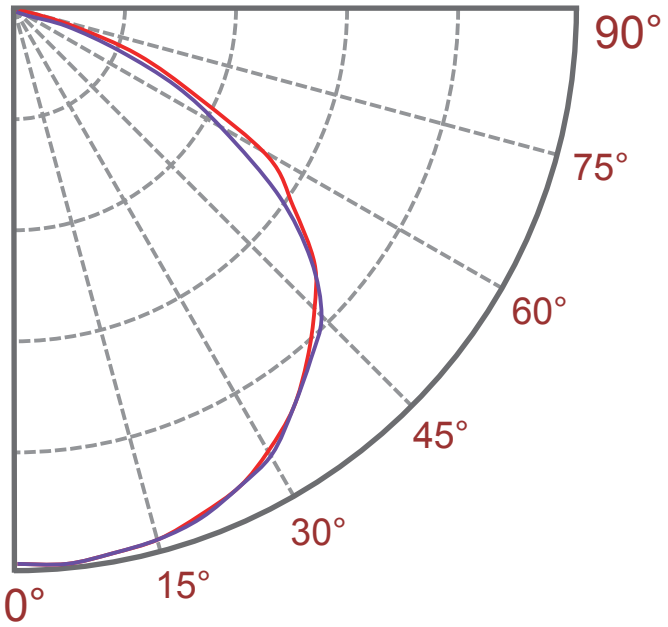
LED Industrial Mid-Low Bay Lighting - 35Watt

Specification - Type V Round Medium / Well Glass Clear Medium

Fixture Watts	35 W
Lumens (Total) *	6,545 lm
Efficacy *	187 lm / W
Number of LEDs & Driving Current	64@255mA
Ts - Solder Point Temp*	53°C / 127°F
L70 Rating @ T_a 25°C	>175K Hours
Operational Temperature (T_a)	-40° ~ 50°C / -40° ~ 122°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC
LED Model	Nichia / Lumileds / 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 / IP68 Rated Fixture
Transient Surge Protection	6kV / 3kA (L-L, L-G)

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

Light Distribution Curve



Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	1793	27.4%
0-40	3017	46.1%
0-60	5603	85.6%
0-90	6545	100.0%
0-180	6545	100.0%

IL280 Series

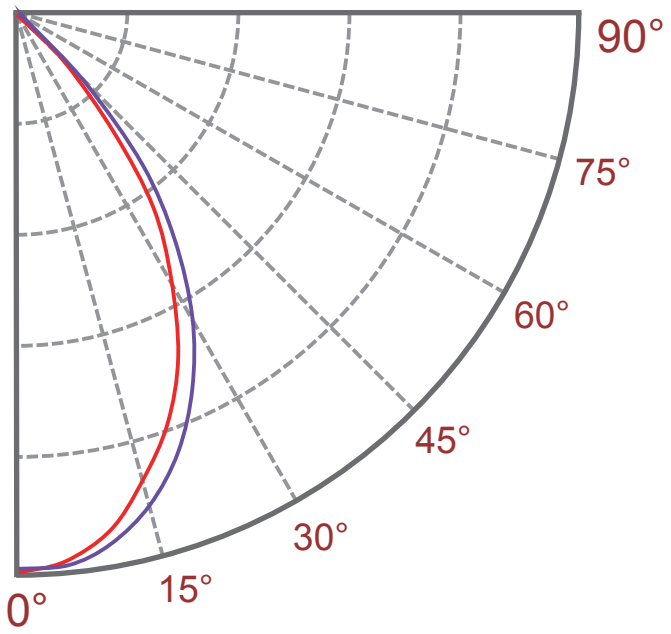
LED Industrial Mid-Low Bay Lighting - 35Watt

Specification - Type V Square Short

Fixture Watts	35 W
Lumens (Total) *	6,335 lm
Efficacy *	181 lm / W
Number of LEDs & Driving Current	64@280mA
Ts - Solder Point Temp*	53°C / 127°F
L70 Rating @ T_a 25°C	>175K Hours
Operational Temperature (T_a)	-40° ~ 50°C / -40° ~ 122°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC
LED Model	Nichia / Lumileds / 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 / IP68 Rated Fixture
Transient Surge Protection	6kV / 3kA (L-L, L-G)

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

Light Distribution Curve



Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	3788	59.8%
0-40	5420	85.5%
0-60	6329	99.9%
0-90	6335	100.0%
0-180	6335	100.0%

IL280 Series

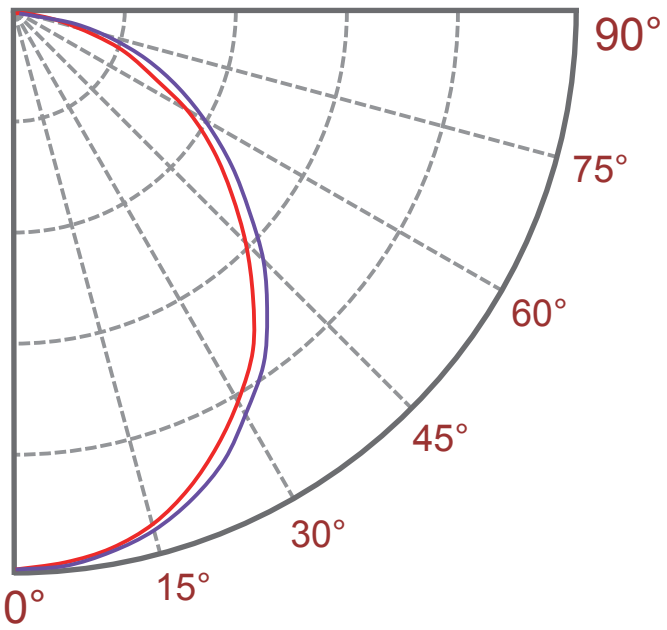
LED Industrial Mid-Low Bay Lighting - 35Watt

Specification - Type V Frosted Long / Well Glass Frosted Long

Fixture Watts	35 W
Lumens (Total) *	5,845 lm
Efficacy *	167 lm / W
Number of LEDs & Driving Current	64@385mA
Ts - Solder Point Temp*	54°C / 129°F
L70 Rating @ T_a 25°C	>175K Hours
Operational Temperature (T_a)	-40° ~ 50°C / -40° ~ 122°F
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC / 127~390VDC
LED Model	Nichia / Lumileds / 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 / IP68 Rated Fixture
Transient Surge Protection	6kV / 3kA (L-L, L-G)

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

Light Distribution Curve



Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	1718	29.4%
0-40	2771	47.4%
0-60	4723	80.8%
0-90	5827	99.7%
0-180	5845	100.0%

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