

LED CIRCULAR EXPLOSION PROOF – 60~200



LED Circular Explosion Proof

High Efficacy up to 140 lm/W and up to 75% in energy savings available in 60W-200W configurations.

APPLICATIONS

- Hazardous locations
- Manufacturing
- Refineries
- Mining
- Food processing
- Fuel depots
- Marine vessels

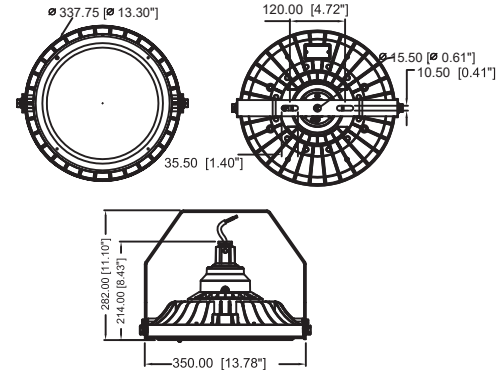
AUTHORIZED BY:

NAME:

DATE:

DIMENSIONS & WEIGHT

PRODUCT LINE	EXC-60~200
LENGTH (cm)	35.5
WIDTH (cm)	35.5
HEIGHT (cm)	28.2
NET WEIGHT (Kg/Lbs)	9/19.8
PCS / CARTON	1
CARTON WEIGHT (Kg/Lbs)	10/22



ORDERING INFORMATION

CNX-EXC		
PRODUCT TYPE	COLOR TEMPERATURE	WATTAGE
CNX-EXC	30 – 3000K 40 – 4000K 50 – 5000K	60 – 60 WATTS 80 – 80 WATTS 100 – 100 WATTS 120 – 120 WATTS 150 – 150 WATTS 180 – 180 WATTS 200 – 200 WATTS

PRODUCT SPECIFICATIONS

Construction Characteristics:

- Die-cast aluminum housing (Silver/Orange)
- Explosion proof tempered glass
- Exceptional heat dissipation
- Dust and water proof
- IP 66
- Class I, Division I (Group C,D)
- Class I, Division 2 (Group A,B,C,D)
- Class II, Division 1 & 2 (Group E,F,G)
- Class III
- Group I & II, Zone 0/20, 1/21, 2/22

Optical Characteristics:

- CRI (Color Rendering Index): >80
- 120 degree optics

Electrical Characteristics:

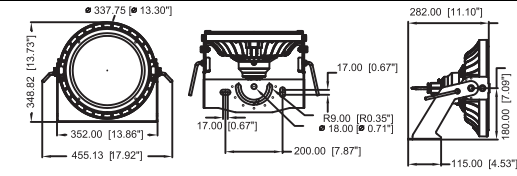
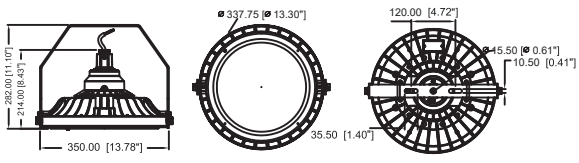
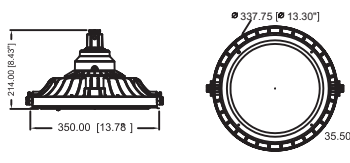
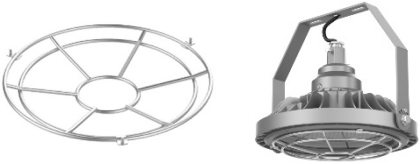
- Input Voltage: 120 ~ 277 VAC or 200-480 VAC, 50/60 Hz
- Power Factor: 0.9 at full load
- THD = <20%
- Operating Temperature Range: -40 ~ +60C
- Built in 6kV protection
- Surge Protection: 10kv/10kA or 20kv/20kA
- 100,000 switching cycles

PRODUCT OPTIONS

INPUT VOLTAGE	MOUNTING	FIXTURE COLOR
P1 – 100~277 VAC P2 – 200~480 VAC	BRK – BRACKET PND – PENDANT TRN – TRUNNION	SLV – SILVER ORG – ORANGE
CONTROL	SAFETY LENS COVER	ADDITIONAL SURGE PROTECTION
CTR – CONX CONTROL DAL – 1-10V DALI ZIG – ZIGBEE MTN – MOTION DAY – DAYLIGHT HARVESTING XXX – NO CONTROL	SFL – SAFETY LENS COVER XXX – NO SAFETY COVER	10K – 10KV/KA 20K – 20KV/KA (P2 ONLY) XXX – NO SURGE PROTECTION

ELECTRICAL DATA

SYSTEM WATTAGE	LUMEN OUTPUT	EFFICACY
60 WATTS	8,400 LUMENS	140 LM/W
80 WATTS	11,200 LUMENS	140 LM/W
100 WATTS	14,000 LUMENS	140 LM/W
120 WATTS	16,800 LUMENS	140 LM/W
150 WATTS	21,000 LUMENS	140 LM/W
180 WATTS	25,200 LUMENS	140 LM/W
200 WATTS	28,000 LUMENS	140 LM/W

MOUNTING OPTIONS	
	BRK - BRACKET 
	TRN - TRUNNION 
	PND - PENDANT 
OPTIONS	
	SFL - Safety Lens Cover
	SFR - Safety Ring (European)
	SFH - Safety Hook (North American)
	SFC - Safety Chain
	SFK - Safety Cable Kit



LED LINEAR EXPLOSION PROOF – 020 ~ 080 R-Series



LED Linear Explosion Proof (R-Series)

High Efficacy up to 140 lm/W and up to 85% in energy savings available in 20W-80W configurations.

APPLICATIONS

- Hazardous locations
- Manufacturing
- Refineries
- Mining
- Food processing
- Fuel depots
- Marine vessels

PRODUCT SPECIFICATIONS

Construction Characteristics:

- High grade SUS 304/316L housing
- PC lens (UL94-5VA fireproof)
- Water/Vapour/Dust/Corrosion/Explosion proof
- IP 66 - suitable for outdoor use
- Vibration resistant
- IK 10 - Heavy-duty impact resistant

Optical Characteristics:

- CRI (Color Rendering Index): >70
- 120 degree optics

Electrical Characteristics:

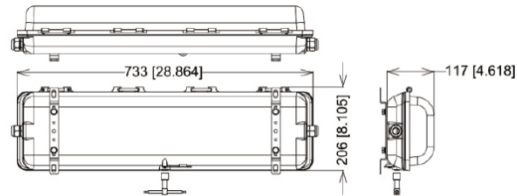
- Input Voltage: 100 ~ 277 VAC or 277-480 VAC, 50/60 Hz
- Power Factor > 0.9 at full load
- THD < 20%
- Surge protection: 10kV/10kA or 20kV/20kA
- Battery back-up available upon request
- DC power available upon request

AUTHORIZED BY:

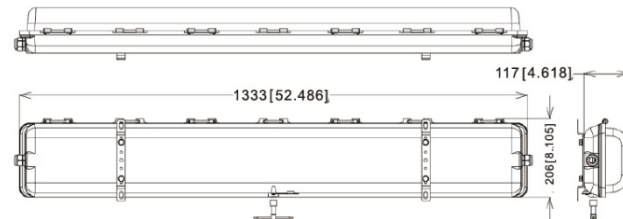
NAME:

DATE:

DIMENSIONS & WEIGHT			PACKAGING		
PRODUCT LINE	MEASUREMENTS L x W x H (cm)	WEIGHT (Kg)	MEASUREMENTS L x W x H (cm)	GROSS WEIGHT (Kg)	PCS / BOX
EXL-020 ~ 040	73.3 x 20.6 x 11.7	4.0	82.0 x 25.0 x 18.0	5.0	1
EXL-060 ~ 080	133.3 x 20.6 x 11.7	8.0	132.0 x 22.0 x 18.0	10.7	1



20 – 40W



60 – 80W

ORDERING INFORMATION

CNX-EXL			
PRODUCT TYPE	CCT	WATTAGE	INPUT VOLTAGE
CNX-EXL (R-Series)	30 – 3000K 40 – 4000K 50 – 5000K 57 – 5700K	020 – 20 WATT 030 – 30 WATT 040 – 40 WATT 060 – 60 WATT 080 – 80 WATT	P1 – 100~277 VAC P2 – 277~480 VAC

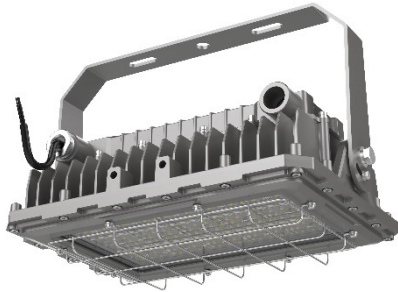
CERTIFICATIONS

ATEX	II 2GD Ex db eb mb op is IIC T5/T6 Gb Ex tb op is IIIC T80 Db IP66
IECEX	Ex db eb mb IIC T5/T6 Gb Ex tb IIIC T95/T80 Gb
UL 844	Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
MARINE	UL 1598 ABS and DNV Type Approved

ELECTRICAL DATA

SYSTEM WATTAGE	LUMEN OUTPUT	EFFICACY
20 WATTS	2,800 LUMENS	140 LM/W
30 WATTS	4,200 LUMENS	140 LM/W
40 WATTS	5,600 LUMENS	140 LM/W
60 WATTS	8,400 LUMENS	140 LM/W
80 WATTS	11,200 LUMENS	140 LM/W

LED RECTANGULAR EXPLOSION PROOF – 60~200



LED Rectangular Explosion Proof

High Efficacy up to 140 lm/W and up to 75% in energy savings available in 60W-400W configurations.

APPLICATIONS

- Hazardous locations
- Manufacturing
- Refineries
- Mining
- Food processing
- Fuel depots
- Marine vessels

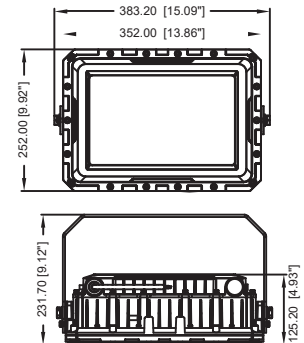
AUTHORIZED BY:

NAME:

DATE:

DIMENSIONS & WEIGHT

PRODUCT LINE	EXR-60~200
LENGTH (cm)	38.3
WIDTH (cm)	25.2
HEIGHT (cm)	23.1
NET WEIGHT (Kg/Lbs)	10/22
PCS / CARTON	1
CARTON WEIGHT (Kg/Lbs)	10.5/23.1



ORDERING INFORMATION

CNX-EXR			
PRODUCT TYPE	OPTICS	COLOR TEMPERATURE	WATTAGE
CNX-EXR	30 – 30 DEGREES 60 – 60 DEGREES 90 – 90 DEGREES 120 – 120 DEGREES	30 – 3000K 40 – 4000K 50 – 5000K	60 – 60 WATTS 80 – 80 WATTS 100 – 100 WATTS 120 – 120 WATTS 150 – 150 WATTS 180 – 180 WATTS 200 – 200 WATTS

PRODUCT SPECIFICATIONS

Construction Characteristics:

- Die-cast aluminum housing (Silver/Orange)
- Explosion proof tempered glass
- Exceptional heat dissipation
- Dust and water proof
- IP 66
- Class I, Division I (Group C,D)
- Class I, Division 2 (Group A,B,C,D)
- Class II, Division 1 & 2 (Group E,F,G)
- Class III
- Group I & II, Zone 0/20, 1/21, 2/22

Optical Characteristics:

- CRI (Color Rendering Index): >80
- 30/60/90/120 degree optics

Electrical Characteristics:

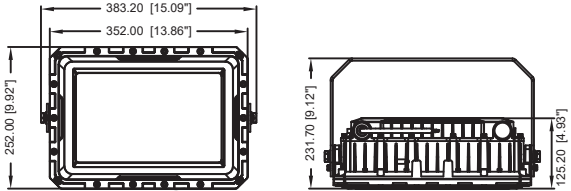
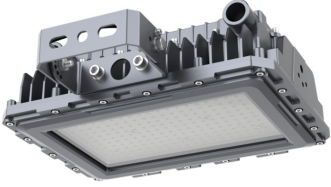
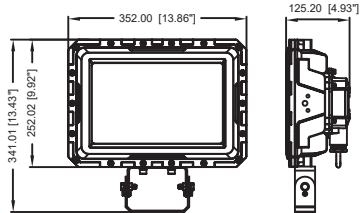
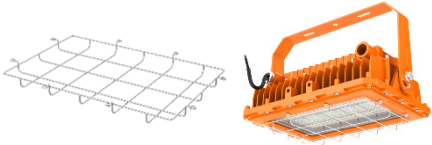
- Input Voltage: 120 ~ 277 VAC or 200-480 VAC, 50/60 Hz
- Power Factor: 0.9 at full load
- THD = <20%
- Operating Temperature Range: -40 ~ +60C
- Built in 6kV protection
- Surge Protection: 10kv/10kA or 20kv/20kA
- 100,000 switching cycles

PRODUCT OPTIONS

INPUT VOLTAGE	MOUNTING	FIXTURE COLOR
P1 – 100~277 VAC P2 – 200~480 VAC	TRN – TRUNNION YOK – YOKE	SLV – SILVER ORG – ORANGE
CONTROL	SAFETY LENS COVER	ADDITIONAL SURGE PROTECTION
CTR – CONX CONTROL DAL – 1-10V DALI ZIG – ZIGBEE MTN – MOTION DAY – DAYLIGHT HARVESTING XXX – NO CONTROL	SFL – SAFETY LENS COVER XXX – NO SAFETY COVER	10K – 10KV/KA 20K – 20KV/KA (P2 ONLY) XXX – NO SURGE PROTECTION

ELECTRICAL DATA

SYSTEM WATTAGE	LUMEN OUTPUT	EFFICACY
60 WATTS	8,400 LUMENS	140 LM/W
80 WATTS	11,200 LUMENS	140 LM/W
100 WATTS	14,000 LUMENS	140 LM/W
120 WATTS	16,800 LUMENS	140 LM/W
150 WATTS	21,000 LUMENS	140 LM/W
180 WATTS	25,200 LUMENS	140 LM/W
200 WATTS	28,000 LUMENS	140 LM/W

MOUNTING OPTIONS	
	TRN - TRUNNION 
	YOK - YOKE 
OPTIONS	
	SFL - Safety Lens Cover
	SFR - Safety Ring (European)
	SFH - Safety Hook (North American)
	SFC - Safety Chain
	SFK - Safety Cable Kit



LED RECTANGULAR EXPLOSION PROOF – 300~400



LED Rectangular Explosion Proof

High Efficacy up to 140 lm/W and up to 75% in energy savings available in 60W-400W configurations.

APPLICATIONS

- Hazardous locations
- Manufacturing
- Refineries
- Mining
- Food processing
- Fuel depots
- Marine vessels

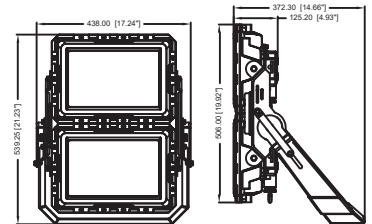
AUTHORIZED BY:

NAME:

DATE:

DIMENSIONS & WEIGHT

PRODUCT LINE	EXR-300~400
LENGTH (cm)	43.8
WIDTH (cm)	53.9
HEIGHT (cm)	37.2
NET WEIGHT (Kg/Lbs)	22/48.5
PCS / CARTON	1
CARTON WEIGHT (Kg/Lbs)	23.5/51.8



ORDERING INFORMATION

CNX-EXR			
PRODUCT TYPE	OPTICS	COLOR TEMPERATURE	WATTAGE
CNX-EXR	30 – 30 DEGREES 60 – 60 DEGREES 90 – 90 DEGREES 120 – 120 DEGREES	30 – 3000K 40 – 4000K 50 – 5000K	300 – 300 WATTS 400 – 400 WATTS

PRODUCT SPECIFICATIONS

Construction Characteristics:

- Die-cast aluminum housing (Silver/Orange)
- Explosion proof tempered glass
- Exceptional heat dissipation
- Dust and water proof
- IP 66
- Class I, Division I (Group C,D)
- Class I, Division 2 (Group A,B,C,D)
- Class II, Division 1 & 2 (Group E,F,G)
- Class III
- Group I & II, Zone 0/20, 1/21, 2/22

Optical Characteristics:

- CRI (Color Rendering Index): >80
- 30/60/90/120 degree optics

Electrical Characteristics:

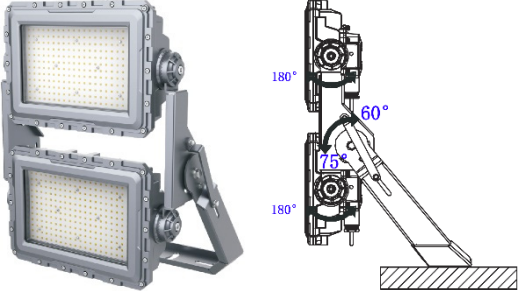
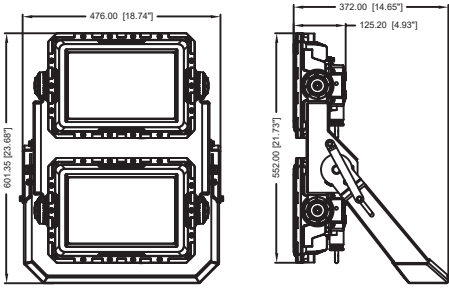
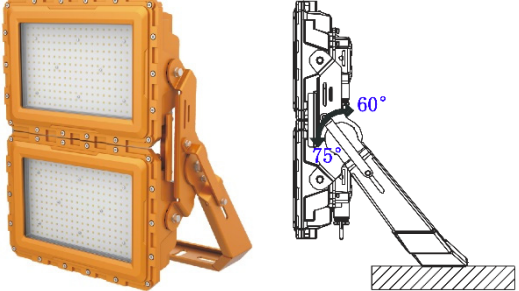
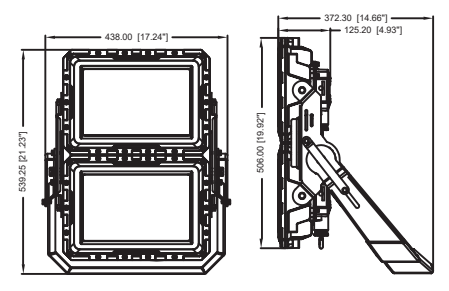
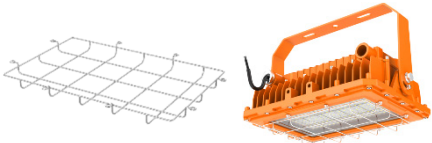
- Input Voltage: 120 ~ 277 VAC or 200-480 VAC, 50/60 Hz
- Power Factor: 0.9 at full load
- THD = <20%
- Operating Temperature Range: -40 ~ +60C
- Built in 6kV protection
- Surge Protection: 10kV/10kA or 20kV/20kA
- 100,000 switching cycles

PRODUCT OPTIONS

INPUT VOLTAGE	MOUNTING	FIXTURE COLOR
P1 – 100~277 VAC P2 – 200~480 VAC	BRM – MULTI-PIVOT BRACKET BRK – BRACKET	SLV – SILVER ORG – ORANGE
CONTROL	SAFETY LENS COVER	ADDITIONAL SURGE PROTECTION
CTR – CONX CONTROL DAL – 1-10V DALI ZIG – ZIGBEE MTN – MOTION DAY – DAYLIGHT HARVESTING XXX – NO CONTROL	SFL – SAFETY LENS COVER XXX – NO SAFETY COVER	10K – 10KV/KA 20K – 20KV/KA (P2 ONLY) XXX – NO SURGE PROTECTION

ELECTRICAL DATA

SYSTEM WATTAGE	LUMEN OUTPUT	EFFICACY
300 WATTS	42,000 LUMENS	140 LM/W
120 WATTS	56,000 LUMENS	140 LM/W

MOUNTING OPTIONS	
	BRM – MULTI-PIVOT BRACKET 
	BRK - BRACKET 
OPTIONS	
	SFL - Safety Lens Cover
	SFR - Safety Ring (European)
	SFH - Safety Hook (North American)
	SFC - Safety Chain
	SFK - Safety Cable Kit

