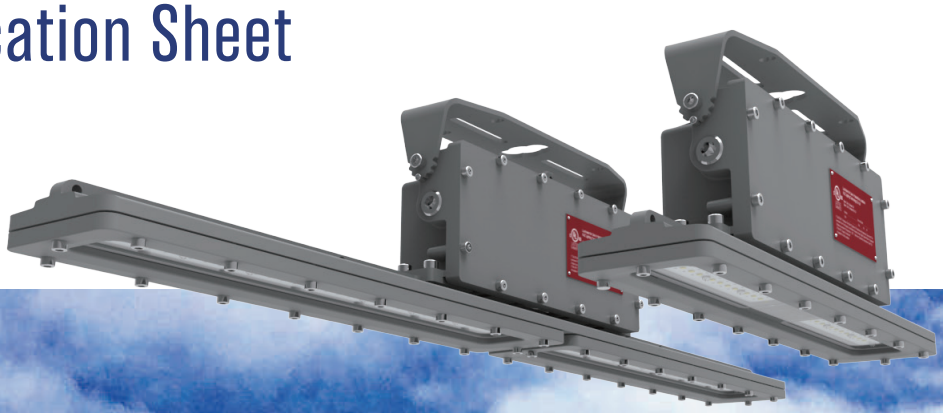
RED SKY

SERIOUSLY SAFE LIGHTS™

LINEAR TUFF SERIES

Technical Specification Sheet





ABOUT RED SKY LIGHTING

PIONEERING INDUSTRIAL ILLUMINATION FOR HARSH & HAZARDOUS CONDITIONS



- A leading manufacturer of premium LED lights for demanding work conditions
- Headquartered in California, products assembled in the USA
- Servicing global clients across 4 continents in metal processing, oil & gas, marine, manufacturing
- Renowned for quality, dependability, client care and uncompromising safety standards

WHY CHOOSE RED SKY

SERIOUSLY SAFE LIGHTS

- Rigorously tested in our professional labs
- Surpassing industry certifications and safety protocols
- Crafted with highest grade components for maximum durability

FAST DELIVERY

- Majority of orders delivered within 14 days
- Same day shipping for products in stock
- Real-time order tracking for full transparency

TOP-NOTCH SERVICES

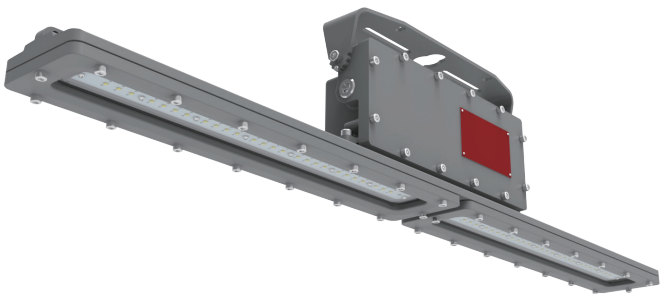
- Team of experts for seamless support
- Energy audit services, lighting simulation services
- Hassle-free return policy and management

SUSTAINABLE SOLUTIONS

- High luminous efficacy LEDs for energy savings
- Conscious product design
- Recyclable materials for products and packaging



LINEAR TUFF SERIES



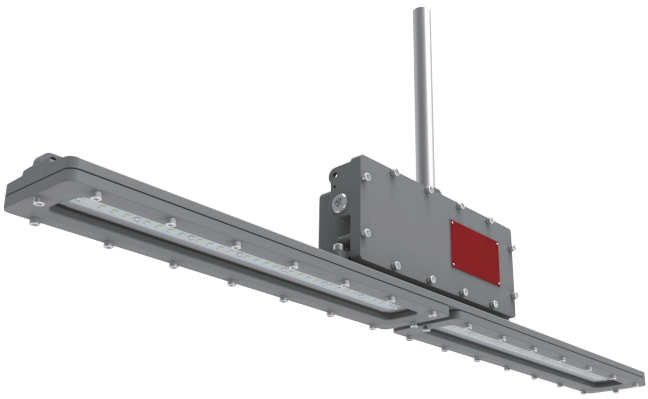
The Linear Tuff Series from Red Sky Lighting is a versatile linear LED fixture designed to withstand the most demanding industrial environments. Available in durable 2-foot and 4-foot lengths, it offers high luminous efficacy of up to 150 lumens per watt along with a new retrofit bracket for improved compatibility.

Built with a rugged copper-free aluminum body and frame, the Linear Tuff can handle extreme temperatures from -40°F (-40°C) to +140°F (60°C) along with vibration, water, and dust. Its optimized heat sink and thermal management system ensures safe and reliable heat dissipation for a long operational life, even in hazardous locations classified as Class 1 Division 1.

Requiring no maintenance, the Linear Tuff is ideal for low profile lighting applications in petrochemical facilities, oil rigs, mines, and other industrial sites. It offers an extended lifetime of over 147,000 hours at high ambient temperatures of 140°F (60°C). Energy efficient and durable, this LED fixture provides bright, economical illumination for use in the most unforgiving industrial environments. Backed by Red Sky Lighting's industry-leading 10-year warranty, the Linear Tuff Series provides exceptional performance, advanced safety, and unmatched durability for hazardous industrial environments.



FEATURES



Rugged Construction

Heat sink designed to perform in high ambient temperatures up to +144°F and as low as -40°F.
Built to withstand extreme temperatures, vibration, water and dust.
Copper-free aluminum body and frame for corrosion resistant

Thermal Management

Safe and reliable heat transfer - Offering a T-rating of T6 (CID1)

Long Fixture Life

L70 >147,000 Hours@149°F
Maintenance-free and safe operation

RATINGS

Class I Division 1, Groups C, D	UL 1598A Marine Outside Type
Class I Division 2, Groups A, B, C, D	(Salt Water)
Class I, Zone 1, Group IIB	IP66
UL 1598 Wet Locations	IK07

CERTIFICATIONS

UL844
UL1598
UL1598A
CSA C22.2 NO. 250.0:21, 5th Ed
CSA C22.2 No. 137, Edition: 2
DLC (Pending)

TECHNICAL PARAMETERS

Specification	LNT2-30	LNT2-40	LNT2-60	LNT2-80
Electrical Parameters				
Power	30W	40W	60W	80W
Voltage/Frequency	100-277V AC, 347-480V AC 50/60Hz			
Power Factor	≥90%			
THD	<20%			
L70	147,000 Hours@149°F			
Dimming	0-10V			
Surge Protection	10KV			
Warranty	LEDs: 10 years， Driver: 7 years			
Optical Parameters				
Lumen Output*	4,608Lm	6,192Lm	8,670Lm	10,810Lm
Lumen Efficacy*	150Lm/w			
Available Beam Angle	60° /110° /T2			
Correlated Color Temperature (CCT)	3000K/4000K/5000K			
Color Rendering Index (CRI)	Ra>70			
Mechanical Parameters				
Finish	Thermoset Powdercoat			
Hardware	Stainless steel 316			
Lens Material	Glass			
Mounting Options	Pendant, Yoke, Chain, Pole			
Product Weight	16.3lbs/7.4kg		23.8lbs/10.8kg	
Cable Entry	(3) 3/4" NPT			
Product Dimensions(L×W×H)	21.4×4.3×7.3in(544×108×185mm)		43.3×4.3×7.3in(1100×108×185 mm)	
Environmental Parameters				
Ambient Operating Temperature	-40°F ~ 140°F (-40°C ~ 60°C)			
T-Code Rating	C1D1 - T6, C1D2 - T4A			

* Value calculated based on 5000K and Clear glass ,varies to different spec.

ORDERING INFORMATION

EXAMPLE: LNT2-40-120-277-5K-110-H1-CG-GRY-PND

LNT2 – 40 – 120-277 – 5K – 110 – H1 – CG – GRY – PND

PRODUCT SERIES

WATTAGE
30 - 30W
40 - 40W
60 - 60W
80 - 80W

VOLTAGE
120 - 277
120-277V AC
347 - 480
347-480V AC

CCT
3K - 3000K
4K - 4000K
5K - 5000K

BEAM
110 - 110° (NEMA 6 - Wide)
60 - 60° (NEMA 4 - Medium)
T2 - Type II

MOUNTING
PND - Pendant
YKE - Yoke**

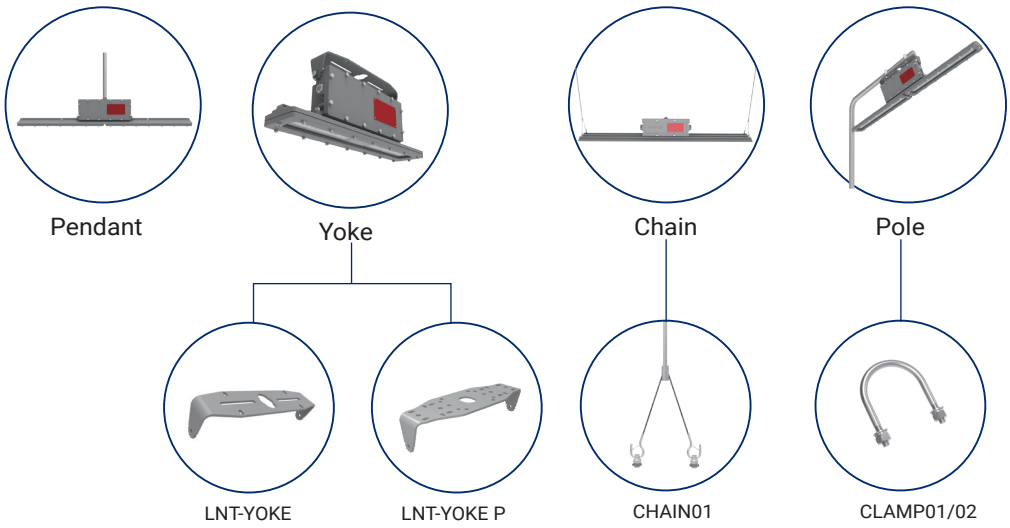
COLOR
GRY - Grey

LENS
CG - Clear Glass
DG - Diffuse Glass

RATING
H1 - C1D1 / C1D2

** LNT-YOKE Pre-installed as standard

MOUNTING ACCESSORIES



Mounting Method	PN	Description	MPN Code
Yoke	LNT-YOKE	Yoke Mount, LNT SERIES, SS304, Power Coated Grey RAL7037	309050067
	LNT-YOKE P*	Retrofit Yoke Mount, LNT SERIES, SS304, Power Coated Grey RAL7037	309050333
Chain	CHAIN01	Chain Hang Kit, LNR&LNT SERIES, SS304	309050071
Pole	CLAMP01	Pipe Clamp Kit for Round pole Φ 1 7/8(48mm), SS304	309050047
	CLAMP02	Pipe Clamp Kit for Round pole Φ 2 3/8(60mm), SS304	309050046

* Retrofit Bracket Compatibility Chart

For customers trying to retrofit an existing fixture, use the table below as a guide to select the best bracket tosuit your need

Manufacturer	Part Number	Retrofit Yoke
Crouse Hinds	DP057MTK	√
Dialight	LTXW4	√
	LTXW4LP	√
AZZ™ Rig-A-Lite™	53050	√
Appleton	RMLSB	√

OTHER ACCESSORIES



SFCB02

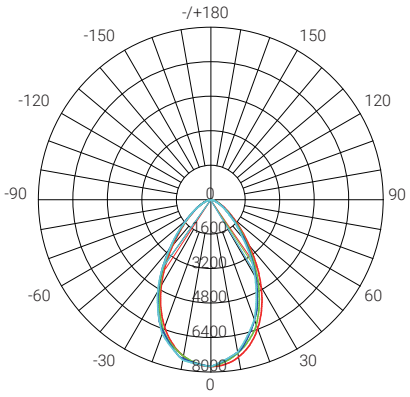
PN	Description	MPN Code
SFCB02	Safety Cable Kit, RND &BLM&LNT&LNT EM SERIES, SS304	309050058

LUMEN TABLE

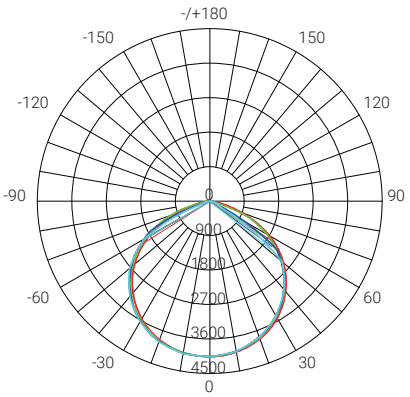
PN	Wattage (W)	CCT	Beam	Lens	Lumen Output (Lm)	Efficiency (Lm/W)
Voltage 120-277V AC						
LNT2-30-120-277-5K-110-H1-CG-GRY-YKE	30	5000K	110	Clear Glass	4,608	144
LNT2-30-120-277-5K-110-H1-DG-GRY-YKE	30	5000K	110	Diffuse Glass	3,732	117
LNT2-30-120-277-5K-60-H1-CG-GRY-YKE	30	5000K	60	Clear Glass	4,035	133
LNT2-30-120-277-5K-T2-H1-CG-GRY-YKE	30	5000K	T2	Clear Glass	3,727	123
LNT2-40-120-277-5K-110-H1-CG-GRY-YKE	40	5000K	110	Clear Glass	6,192	149
LNT2-40-120-277-5K-110-H1-DG-GRY-YKE	40	5000K	110	Diffuse Glass	4,873	117
LNT2-40-120-277-5K-60-H1-CG-GRY-YKE	40	5000K	60	Clear Glass	5,131	129
LNT2-40-120-277-5K-T2-H1-CG-GRY-YKE	40	5000K	T2	Clear Glass	4,868	123
LNT2-60-120-277-5K-110-H1-CG-GRY-YKE	60	5000K	110	Clear Glass	8,670	147
LNT2-60-120-277-5K-110-H1-DG-GRY-YKE	60	5000K	110	Diffuse Glass	6,895	117
LNT2-60-120-277-5K-60-H1-CG-GRY-YKE	60	5000K	60	Clear Glass	8,262	137
LNT2-60-120-277-5K-T2-H1-CG-GRY-YKE	60	5000K	T2	Clear Glass	7,739	129
LNT2-80-120-277-5K-110-H1-CG-GRY-YKE	80	5000K	110	Clear Glass	10,810	142
LNT2-80-120-277-5K-110-H1-DG-GRY-YKE	80	5000K	110	Diffuse Glass	8,685	114
LNT2-80-120-277-5K-60-H1-CG-GRY-YKE	80	5000K	60	Clear Glass	10,406	133
LNT2-80-120-277-5K-T2-H1-CG-GRY-YKE	80	5000K	T2	Clear Glass	9,575	123
Voltage 347-480V AC						
LNT2-30-347-480-5K-110-H1-CG-GRY-YKE	30	5000K	110	Clear Glass	4,389	136
LNT2-30-347-480-5K-110-H1-DG-GRY-YKE	30	5000K	110	Diffuse Glass	3,560	110
LNT2-30-347-480-5K-60-H1-CG-GRY-YKE	30	5000K	60	Clear Glass	3,847	125
LNT2-30-347-480-5K-T2-H1-CG-GRY-YKE	30	5000K	T2	Clear Glass	3,559	116
LNT2-40-347-480-5K-110-H1-CG-GRY-YKE	40	5000K	110	Clear Glass	6,022	146
LNT2-40-347-480-5K-110-H1-DG-GRY-YKE	40	5000K	110	Diffuse Glass	4,773	116
LNT2-40-347-480-5K-60-H1-CG-GRY-YKE	40	5000K	60	Clear Glass	5,084	130
LNT2-40-347-480-5K-T2-H1-CG-GRY-YKE	40	5000K	T2	Clear Glass	4,713	120
LNT2-60-347-480-5K-110-H1-CG-GRY-YKE	60	5000K	110	Clear Glass	8,669	145
LNT2-60-347-480-5K-110-H1-DG-GRY-YKE	60	5000K	110	Diffuse Glass	6,882	115
LNT2-60-347-480-5K-60-H1-CG-GRY-YKE	60	5000K	60	Clear Glass	8,258	135
LNT2-60-347-480-5K-T2-H1-CG-GRY-YKE	60	5000K	T2	Clear Glass	7,732	127
LNT2-80-347-480-5K-110-H1-CG-GRY-YKE	80	5000K	110	Clear Glass	10,982	143
LNT2-80-347-480-5K-110-H1-DG-GRY-YKE	80	5000K	110	Diffuse Glass	8,816	115
LNT2-80-347-480-5K-60-H1-CG-GRY-YKE	80	5000K	60	Clear Glass	10,505	134
LNT2-80-347-480-5K-T2-H1-CG-GRY-YKE	80	5000K	T2	Clear Glass	9,719	124

For additional information, please contact your sales representative.

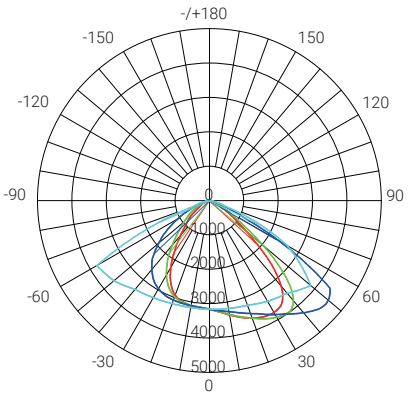
PHOTOMETRIC



60°
NEMA 4 - Medium



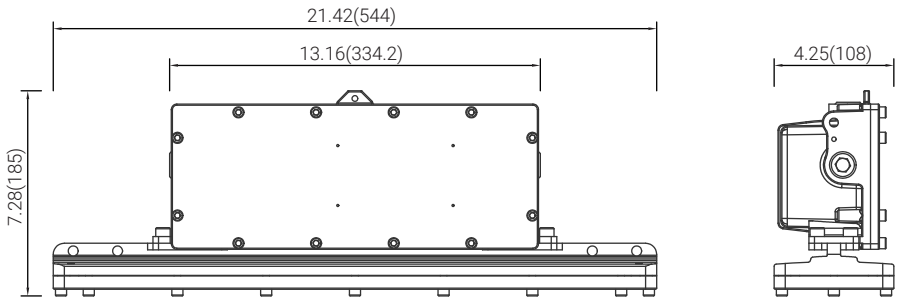
110°
NEMA 6 - Wide

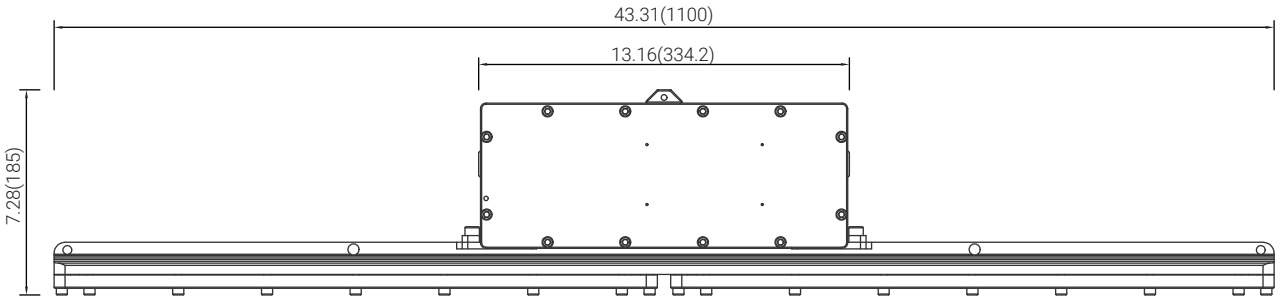


Type II

DIMENSIONS

unit: in(mm)

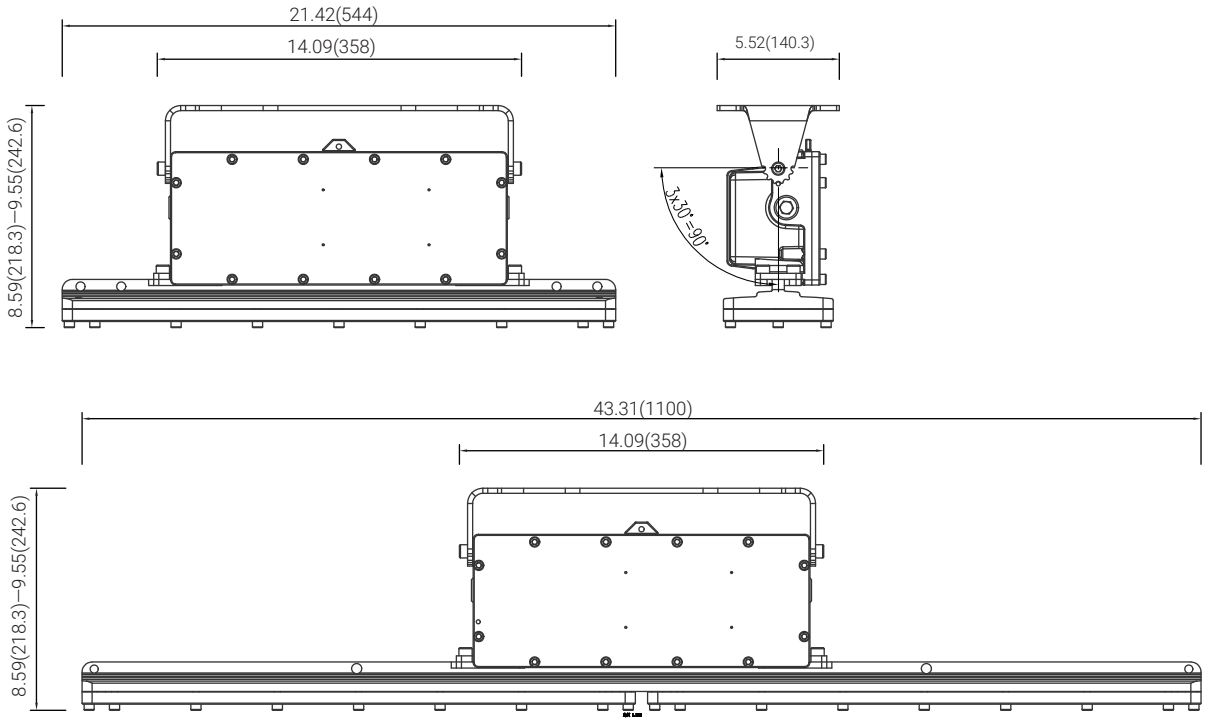




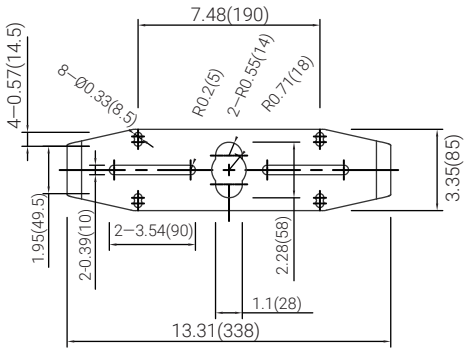
Pendant

DIMENSIONS

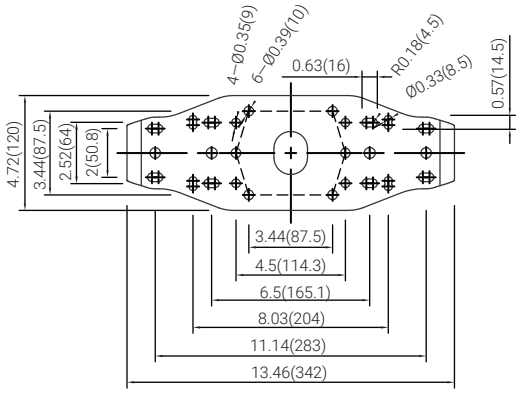
unit: in(mm)



Yoke



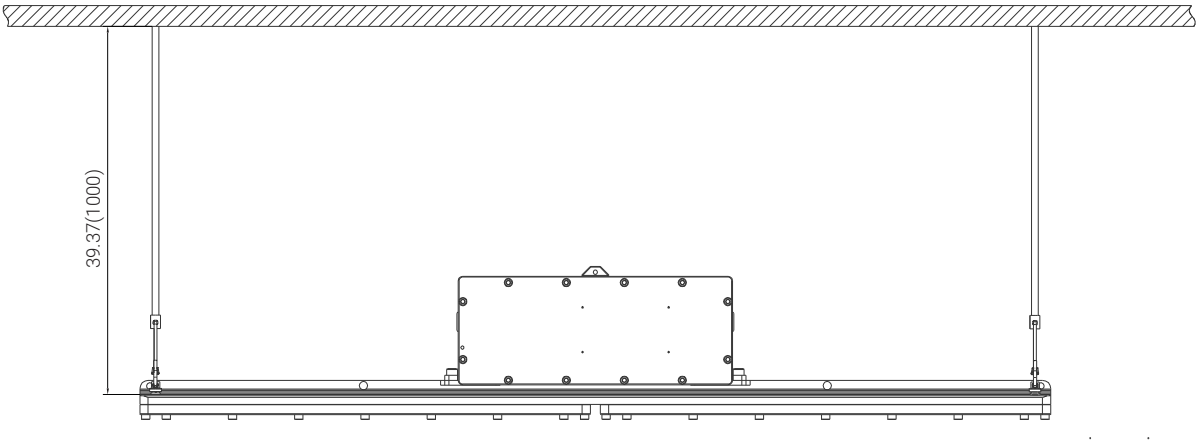
LNT-YOKE



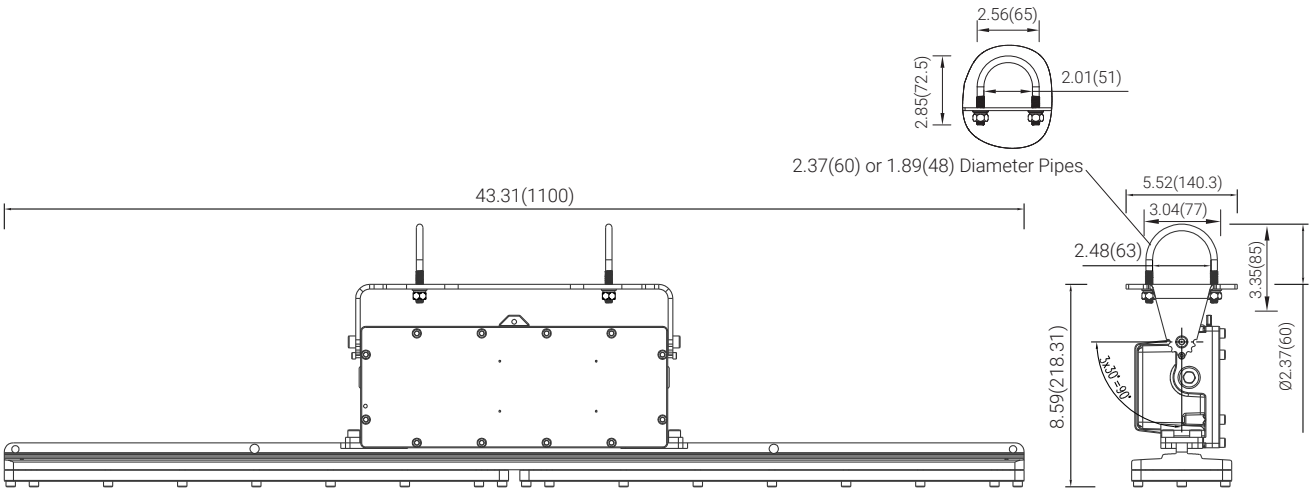
LNT-YOKE P

DIMENSIONS

unit: in(mm)



Chain



Pole

HAZARDOUS LOCATION LIGHTING BASICS

Atmosphere Groups

Substance	Hazard Class	Division Groups	Zone Groups
Acetylene	Class I Flammable Gases	Group A	IIC
Hydrogen		Group B	IIC
Ethylene		Group C	IIB
Propane		Group D	IIA
Methane		Group D	IIA[2]
Combustible Metal Dusts	Class II Combustible Dusts	Group E[1]	IIIC[3]
Combustible Carbonaceous Dust		Group F	IIIB[3]
Combustible Dusts not in Group E or F (Flour, Grain, Wood, Plastics, Chemicals)		Group G	IIIB[3]
Combustible Fibers and Flyings	Class III Fibers and Flyings	Not Applicable	IIIA[3]

Note 1: Group E is applicable to Class II, Division 1 only.
Note 2: Methane is a Group IIA Gas for non-mining applications.
Note 3: Group IIIA, IIIB and IIIC have not been adopted by the Canadian Electrical Code.

Temperature Classification

Max. Surface Temperatures	NEC®500 CEC®	NEC®500/IEC-Group II
450(842)	T1	T1
300(572)	T2	
280(536)	T2A	T2
260(500)	T2B	
230(446)	T2C	
215(419)	T2D	
200(392)	T3	T3
180(256)	T3A	
165(329)	T3B	
160(320)	T3C	
135(275)	T4	T4
120(248)	T4A	
100(212)	T5	T5
85(185)	T6	T6

Classification of Divisions and Zones

Hazard Level	Division Scheme	Zone Scheme	Definitions
Continuous Hazard	Division 1	Zone 0 / Zone 20	A place in which an explosive atmosphere is continually present
Intermittent Hazard		Zone 1 / Zone 21	A place in which an explosive atmosphere is likely to occur in normal operation
Hazard Under Abnormal Conditions	Division 2	Zone 2 / Zone 22	A place in which an explosive atmosphere is not likely to occur in normal operation, but may occur for short periods

IP Codes

1st No.	Solid Objects
0	No protection
1	Objects greater than 50mm
2	Objects greater than 12.5mm
3	Objects greater than 2.5mm
4	Objects greater than 1mm
5	Dust protected
6	Dust proof

2nd No.	Liquids
0	No protection
1	Vertically dripping
2	Dripping up to 15°
3	Limited spraying
4	Splashing from all directions
5	Hosing jets from all directions
6	Strong hosing jets from all directions
7	Temporary immersion
8	Continuous immersion
9	Steam-jet cleaning

IK Ratings

IK Code	Level of Protection Achieved
IK00	Not protected
IK01	Protected against 0.14 joules impact
IK02	Protected against 0.2 joules impact
IK03	Protected against 0.35 joules impact
IK04	Protected against 0.5 joules impact
IK05	Protected against 0.7 joules impact
IK06	Protected against 1 joules impact
IK07	Protected against 2 joules impact
IK08	Protected against 5 joules impact
IK09	Protected against 10 joules impact
IK10	Protected against 20 joules impact

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RED SKY
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