LEDALUX®

NOVA™
NSF - IP67 - COLD STORAGE - HIGH-TEMP - HIGH-BAY

eZ SPEC

FOOD & BEVERAGE PROCESSING | MANUFACTURING & DISTRIBUTION | LIVESTOCK FARMING

L70 25°C **178,000 Hours**

CATALOG NUMBER:

NOTES:

FIXTURE TYPE:

PROJECT:

U.S. Patent No. 10900619

PRODUCT DESCRIPTION

The Nova LED high-bay is a third generation fixture designed for the harsh environments found in food processing and heavy manufacturing facilities. This industrial grade fixture is an ideal replacement for traditional 400W–1000W metal halide fixtures providing up to 70% energy savings.

EMERGENCY BATTERY BACKUP

Option for Nova fixtures:

- Minimum 90-Minute Duration
- 16W 2400 Lumen Maximum Based on Fixture Wattage
- Temperature Range from 50°F to 122°F (10°C to 50°C)
- 120-277V Only

PERFORMANCE	
Lumen Output	18,000-39,000 lumens
Lifespan	L70>178,000 Hours
Ambient Temperature	-40°F to 149°F (-40°C to 65°C)
Warranty	5 Years
Efficacy	Up to 150 LPW
Power Washing	Up to 1600 PSI
ELECTRICAL	
Operating Voltage	120-277V, 347-480V
Input Frequency	50/60Hz
Input Wattage	120-260W
Surge Protection	10kV (20kV Optional)
Dimming	0-10V
Power Input	Standard 10' Yellow Cable (5-Conductor Wire to Pigtails) (Black, White, Green, Purple, Gray)
CONSTRUCTION	
IP Rating	IP67
IK Rating	IK10 (pending)
Dimensions	17"H x 18"W
Housing	Die Casted Aluminum Alloy
Finish	High Efficiency Heat Dissipating Powder Coat
Lens	Shatterproof, Polycarbonate (Not Recommended for Alkaline Industrial Cleaners)
NPT	3/4" Female
OPTICAL	
CRI	≥80
CCT	4000K, 5000K
Beam Angle	90°, 120°

ORDERING INFORMATION

Model	Lumen Pkg	Distribution	Voltage	Internal Surge Protector	Control Option	CCT	CRI	Mounting	Finish
NOVA = Nova LED High Bay	18L =18,000 23L = 22,500 30L =30,000Δ 39L =39,000	MD=Medium (90°)Δ WD=Wide (120°)	MV=120-277v HV =277-480vΔ	Leave Blank = Standard 6kV SP =10Kv SP 120-277V SP2 =20kV SP 120-277V SPH =20kV SP 277-480V	Leave Blank = No Controls S3 =Microwave Sensor with Dimming for Mounting Heights of 8' to 40' S4 =Microwave On/Off Motion Sensor for Mounting Heights of 8' to 18'	40K =4000K 50K =5000K	80=80 CRI	HK =Hook Mount (Included, Standard) PM=Pendant Mount Adapter	G=Gray W=White* *Model specific, contact factory

ORDERING EXAMPLE: NOVA-18L-WD-MV-SPH-S4-50K-80-HK-G-P5

OPTIONS & ACCESSORIES

Options

Options	Description
EM	Emergency Battery Backup *see restrictions* Δ
Y10	5 conductor yellow wire that is 10 feet long
W10	5 conductor white wire that is 10 feet long
S10	Aircraft Safety Cable 10'

Plugs

Plugs	Description
P3	3pin Mini Connector Male Plug
5P	120v Plug Δ
L7P	Locking 277v Plug Δ

Δ Option Value Ordering Restrictions

EM Backup is not supported by HV fixtures
EM Backup temperature range 10-50°C (50-122°F)
Plug options 5P, L7P are not IP rated
MD lens option is only IP66 rated

NOVA CHARACTERISTICS

	Wattage			Amp			Dimensions			
Lumen Package	277V	347V	480V	277V	347V	480V	Diameter	Height	Height with Hook	Comparable Light Source
18L	116	114	115	0.44	0.34	0.25	17.93"	16.97"	20.94"	250W MH, 6-lamp T8 HBF, 4-lamp T5HO
23L	152	150	149	0.56	0.43	0.31	17.93"	16.97"	20.94"	400W MH, 6-lamp T5HO
30L	194	196	195	0.72	0.58	0.42	17.93"	16.97"	20.94"	575W MH, 10-lamp T8 HBF
39L	259	260	256	0.97	0.78	0.55	17.93"	16.97"	20.94"	750W MH, 8-lamp T5HO

PROJECTED LUMEN MAINTENANCE

Nova 18L | 23L | 30L | 39L

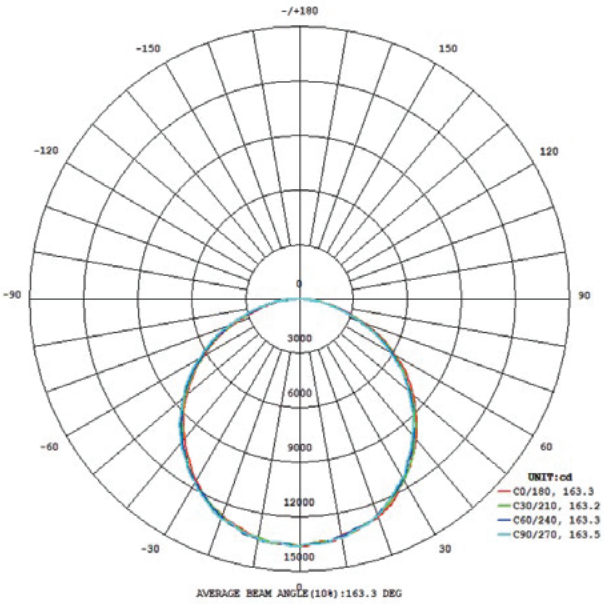
Operating hours	0	10,000	30,000	50,000	70,000	100,000
Lumen maintenance factor	1	0.99	0.96	0.92	0.89	0.84

AMBIENT TEMPERATURE RATINGS

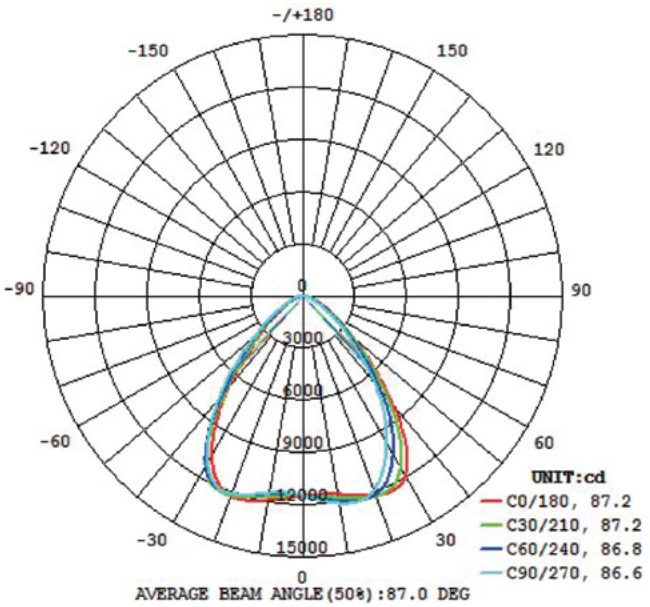
Lumen Package	Fixture	with MS	with EM
**18L	23L	30L	39L**	-40°C to 65°C	-40°C to 65°C	10°C to 50°C

NOVA DISTRIBUTION DIAGRAM

Nova WD Light Distribution

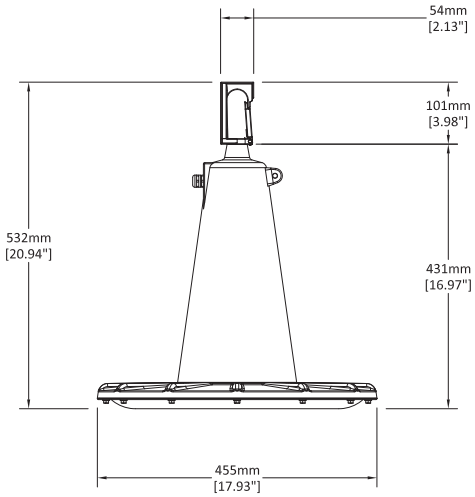


Nova MD Light Distribution

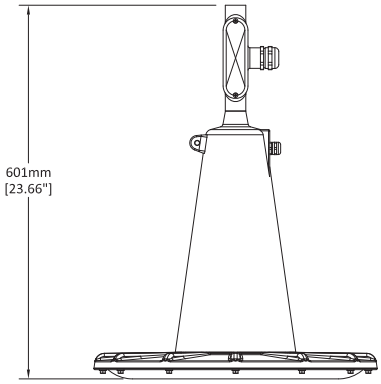


DIMENSIONAL DATA

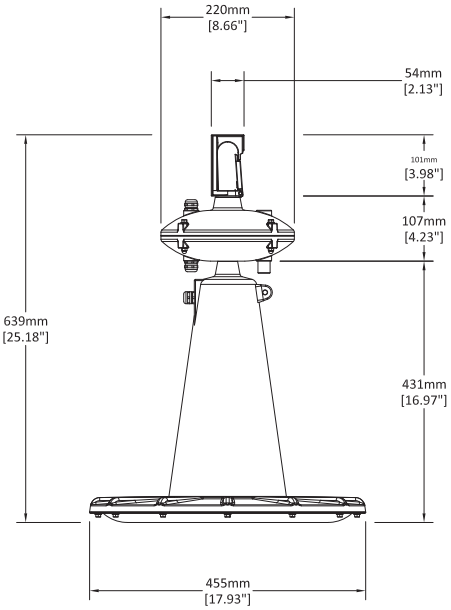
Nova with Hook



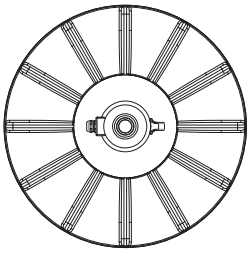
Nova with Pendant Mount Adapter



Nova with EM and Hook



Top View



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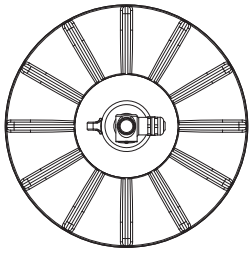

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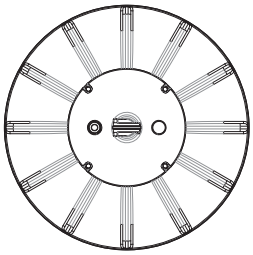
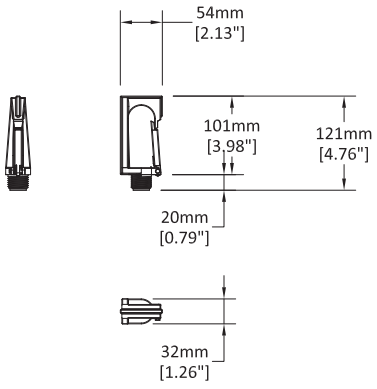
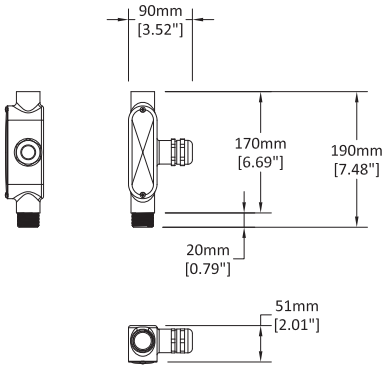
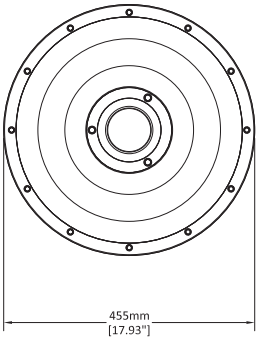


Hook



Pendant Mount Adapter



Bottom View