

WNL LED

A durable and robust linear luminaire designed to replace conventional fluorescent fixtures in industrial, commercial and tunnel applications.

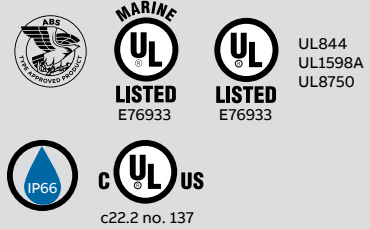


CLASSIFICATION

CLASS I	
Division 2	Groups A, B, C, D
Zone 2	Group IIC
CLASS II	
Division 2	Groups F, G
Zone 22	Group IIB
CLASS III	

Contact your ABB sales representative to verify classification

CERTIFICATIONS AND RATINGS



Applications

- Tunnels
- Interior fluorescent replacement
- Loading docks

WNL LED

Key features and benefits

Features

- 100% field serviceable
- Minimum CRI of 70
- Up to 115 lumen/watt delivered
- Operating temperature: -40 to 114°F (-40 to 46°C)
- IP66 vented enclosure

Finish

- Powder-coated end caps
- Polycarbonate lens resistant to impact with an integral hinge part of the fixture
- Ideal for dirty, wet and corrosive environments

Housing

- Copper-free high-pressure die-cast aluminum end caps and extruded aluminum body
- Suitable for wet locations (IP66)
- Lens and case are designed to withstand severe impact and vibration
- Vented enclosure eliminates pressure differentials and ensures reliable sealing

Output

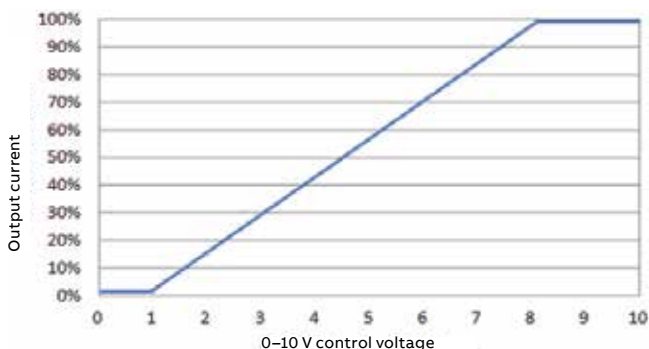
- 3,970 up to 10,000 lumens
- 0–10 V dimmable

Mounting

- Versatile brackets allow for several mounting styles:
 - Surface mount
 - Suspended mount
 - Angle adjustable mount

Dimming

Driver will source a maximum of 200 μ A for control needs. A controller must sink current from 0–10 V control leads.



Color temperature

Available standard in 3500 K and 5000 K color temperatures, with additional color temperatures available from 2700 to 6500 K.

Light engine

- Metal core PCB
- Fault tolerant and fail-over design ensures reliability and resilience to damage

Nichia LEDs

- Proven reliability
- High efficiency
- High CRI (70+)

Power supplies

- Two input power ranges for flexibility
- Over-voltage, over-temperature and short circuit protection
- Built-in junction box with 3/4" NPT entry for electrical termination within sealed cavity
- Transient/surge protection: IEEE C62.41 4 kV/4 kV
- Frequency: 120-277VAC, 50/60Hz, 347-480VAC, 60Hz

Warranty

5 years

WNL LED

Mounting options

Surface mount (standard)



Suspended mount (standard)



Two 6.5 mm x 10 mm slots on each end for suspension hardware (not provided).

Angle adjustable mount (order separately)

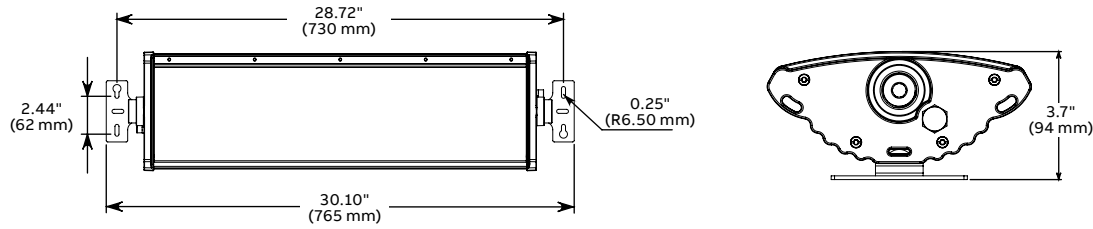


Easy field 360° angle adjustment with 3 mm hex key.

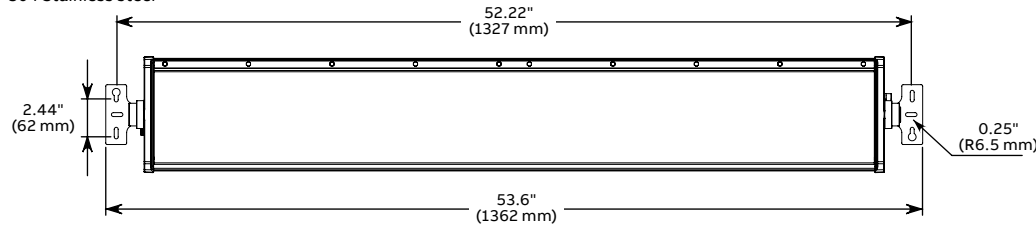
Surface/suspended mount (standard)

NL2 : 5.1 kg | 11.3 lbs NL4 : 10 kg | 22 lbs

WNL2 – Surface mount 5.3 kg | 12 lbs (included standard)
304 Stainless steel



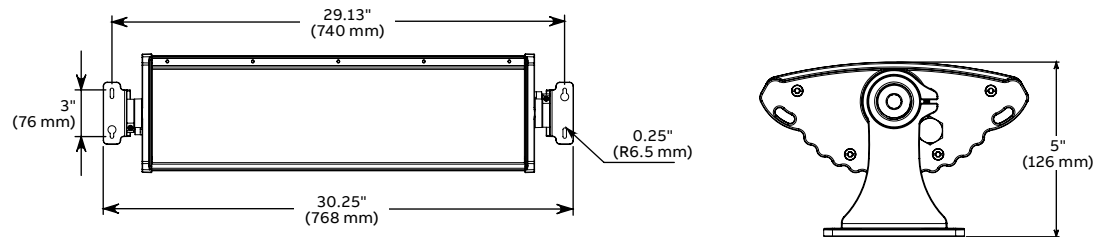
WNL4 – Surface mount 8.6 kg | 19 lbs (included standard)
304 Stainless steel



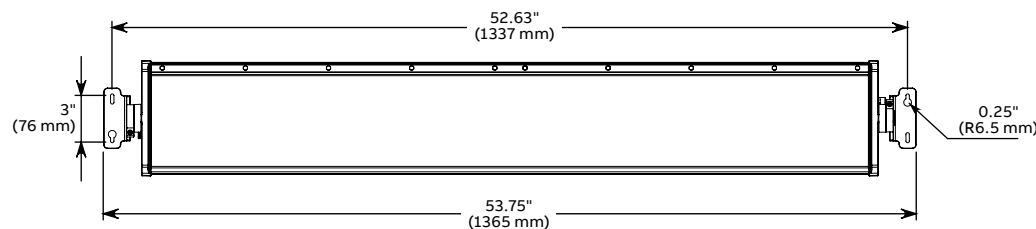
Adjustable mount (WNL-AM - optional)

NL2 : 5.1 kg | 11.3 lbs NL4 : 10 kg | 22 lbs

WNL2 – Angle adjustable mount (WNL-AM) 5.3 kg | 12 lbs (optional accessory)



WNL4 – Angle adjustable mount (WNL-AM) 8.6 kg | 19 lbs (optional accessory)



WNL LED

Fixture comparison

Electrical ratings

Model	Input voltage	Rated wattage (Watts)	Rated voltage (Volts)	Frequency (Hz)	Ambient temp.	Total lumens (Class I Division 2)	T-codes (Class II Division 2)	T-codes (Class II Division 2)
WNL2S	AC	36	120-277	50/60	-40 to 131°F (-40 to 55°C)	3,970	T4A	T4
	HV	36	347-480	50/60	-40 to 129°F (-40 to 54°C)	3,970	T4A	T4
WNL2H	AC	52	120-277	50/60	-40 to 131°F (-40 to 55°C)	5,143	T4A	T4
	HV	52	347-480	50/60	-40 to 129°F (-40 to 54°C)	5,143	T4A	T4
WNL2X	AC	70	120-277	50/60	-40 to 126°F (-40 to 52°C)	7,965	T5	T4
	HV	82	347-480	50/60	-40 to 115°F (-40 to 46°C)	7,965	T5	T4A
WNL4S	AC	85	120-277	50/60	-40 to 131°F (-40 to 55°C)	8,697	T4A	T4A
	HV	90	347-480	50/60	-40 to 129°F (-40 to 54°C)	8,967	T4A	T4A
WNL4H	AC	105	120-277	50/60	-40 to 129°F (-40 to 54°C)	10,470	T4A	T4A
	HV	109	347-480	50/60	-40 to 126°F (-40 to 52°C)	10,470	T4A	T4A

Numbering system

Lighting fixture



Mounting accessory

Part number	Description
WNL-AM-GY	Adjustable mount (order separately)

Lighting fixture

Part	Part number	Description
1 Model	WNL2	2 foot
	WNL4	4 foot
2 Output	S	Standard
	H	High output
	X	Extra high output (not available with WNL4)
3 Optic	WC	Wide (no optics)
4 Finish	GY	Gray
5 Color	50	Cool white
	35 ¹	Warm white
6 Power	AC	120 to 277 V AC
	HV	347 to 480 V AC
7 Location	HL	Hazardous location
8 Market	BLANK	Canadian market
	U	US market

¹Option subject to extended lead time