

# Hazlux® WNL LED Series

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

## CERTIFICATION

### CLASS I

Division 2 Group A, B, C, D

Zone 2 Group IIC

### CLASS II

Division 2 Group F, G

Zone 22 Group IIB

### CLASS III

Classification may vary depending on the product configuration. Please follow catalogue information and exceptions.

## APPROVALS



UL844  
UL1598A  
UL8750

## APPLICATIONS

Tunnels

Interior fluorescent replacement

Loading docks



## Hazlux® WNL LED Series

### Key features and information

#### FEATURES

Field replaceable driver  
 Operating temperature: -40 to 114°F (-40 to 46°C)  
 Ideal for dirty, wet and corrosive environments  
 IDA Dark Sky Approved to protect the night time environment and reduce light pollution Features  
 Multiple light output options to replace fluorescent fixtures

#### HOUSING

IP66 vented enclosure eliminates pressure differentials for reliable sealing  
 Powder-coated end caps  
 Copper-free Die-cast aluminum housing and high impact polycarbonate lens  
 Available with multiple distribution patterns  
 3/4" NPT conduit entry

#### LED

Efficacy: up to 115 Lm/W  
 Lumen output: From 3,970 Lumens to 10,470 Lumens  
 Nichia LED's  
 CRI Ra>70  
 Metal core PCB  
 Correlated Color Temperature (CCT): 5000K (standard), 2700K, 3000K, 3500K and 4000K (optional)

#### ELECTRICAL

0-10 V Dimming (1%–100%)  
 Operating voltage: 120-277VAC, 347-480VAC  
 Frequency: 50/60Hz  
 Power factor 0.95  
 Driver efficiency 88%  
 THD <20%  
 Surge protection standard at 6KV  
 Fault tolerant and fail-over design ensures reliability and resilience to damage

#### MOUNTING

Surface mount  
 Suspended mount  
 Angle adjustable mount

#### APPROVALS

UL 844  
 UL 8750  
 UL 1598  
 UL 1598A and ABS Marine Locations  
 CUL approved to CSA 22.2 No. 137, CSA 22.2 No. 250.0-08, CSA 22.2 No. 250.13  
 IP66

#### WARRANTY

5 Years limited warranty

#### T-code chart

Model	Input voltage	Rated voltage (Volts)	T-codes (Class I Div. 2)	T-codes (Class II Div. 2)
WNL2S	AC	120-277	T4A	T4
	HV	347-480	T4A	T4
WNL2H	AC	120-277	T4A	T4
	HV	347-480	T4A	T4
WNL2X	AC	120-277	T5	T4
	HV	347-480	T5	T4A
WNL4S	AC	120-277	T4A	T4A
	HV	347-480	T4A	T4A
WNL4H	AC	120-277	T4A	T4A
	HV	347-480	T4A	T4A

#### Electrical specifications and Lighting output

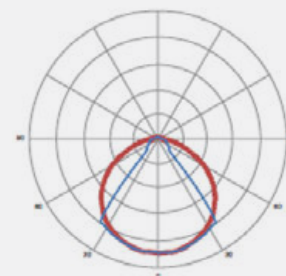
Model	Input voltage	Rated wattage (Watts)	Rated voltage (Volts)	Freq. (Hz)	Ambient temp.	Total lumens
WNL2S	AC	36	120-277	50/60	-40 to 131°F (-40 to 55°C)	3,970
	HV	36	347-480	50/60	-40 to 129°F (-40 to 54°C)	3,970
WNL2H	AC	52	120-277	50/60	-40 to 131°F (-40 to 55°C)	5,143
	HV	52	347-480	50/60	-40 to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

#### PHOTOMETRY

#### Optic options

#### WC Wide 100°

Model	BUG Rating
NL2	B3-U1-G1
NL4	B3-U2-G1



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### MOUNTING AND OPTIONAL ACCESSORIES (sold separately)

#### 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)

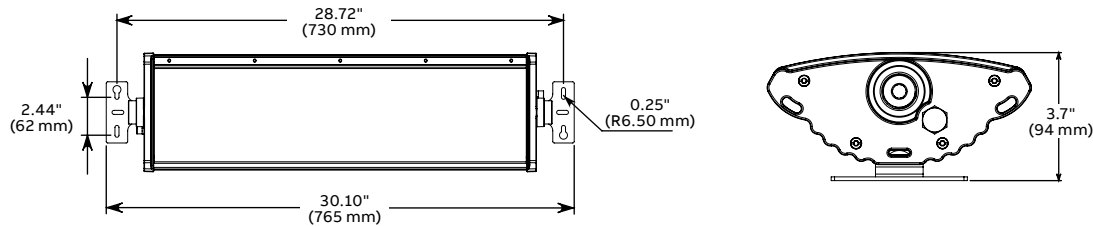


Easy field 360° angle adjustment with 3 mm hex key.

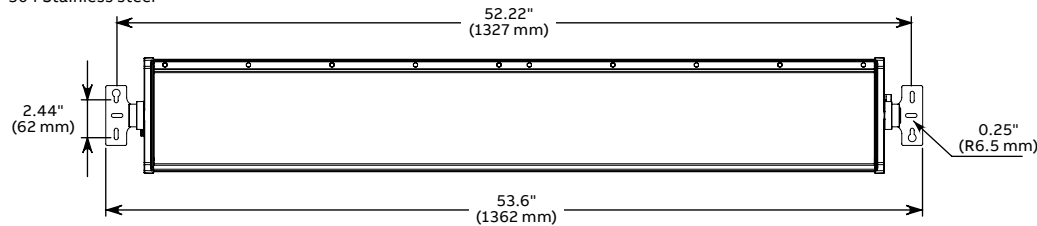
#### Surface/suspended mount (standard)

WNL2 : 5.1 kg | 11.3 lbs    WNL4 : 10 kg | 22 lbs

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



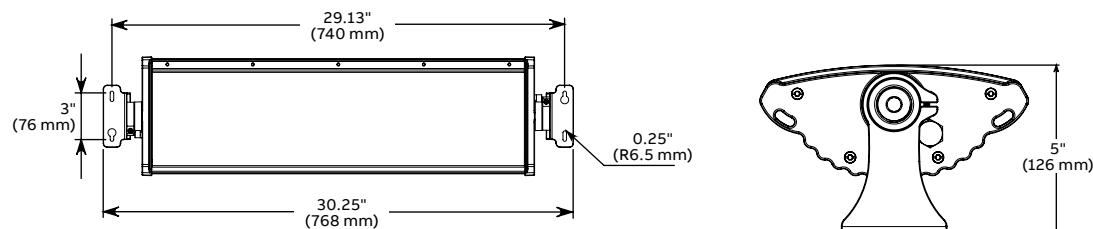
**WNL4 – Surface mount** 8.6 kg | 19 lbs (included standard)  
304 Stainless steel



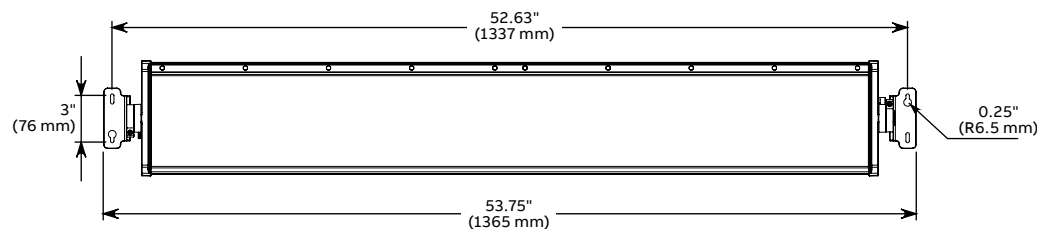
#### Adjustable mount (WNL-AM - optional)

WNL2 : 5.1 kg | 11.3 lbs    WNL4 : 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)

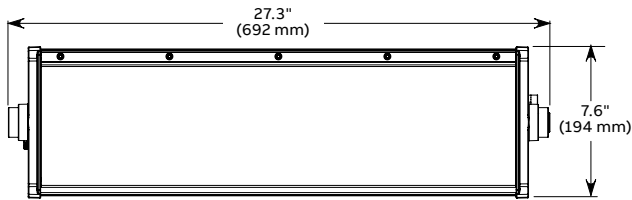


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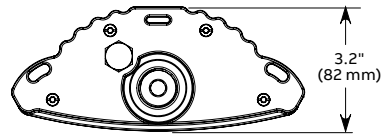
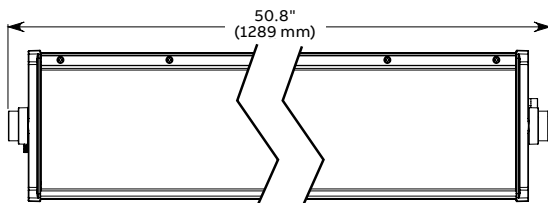
## DIMENSIONS

Dimensions are approximate and subject to change.

### WNL2

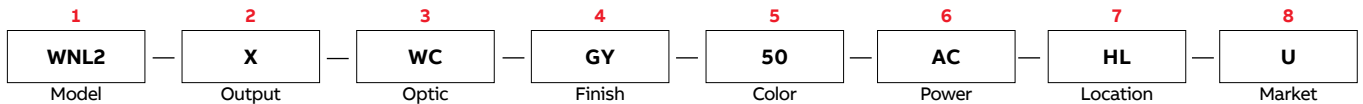


### WNL4



## NUMBERING SYSTEM

### Lighting fixture



### Ordering information

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	27	Warm white (2700K) <sup>1</sup>
	30	Warm white (3000K) <sup>1</sup>
	35	Warm white (3500K) <sup>1</sup>
	40	Natural white (4000K) <sup>1</sup>
	50	Cool white (5000K)
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

<sup>1</sup> Option subject to extended lead time and minimum order quantities.

### Accessories (sold separately)

WNL-AM-GY	Adjustable mount
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**Note:** For Canadian market, please add "-CA" to the part no. (ex: WNL-AM-GY-CA).