

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



APPLICATIONS

Tunnels
Interior fluorescent replacement
Loading docks

LINEAR LIGHTING



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 LED safety
 UL 1598 wet locations
 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 year 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

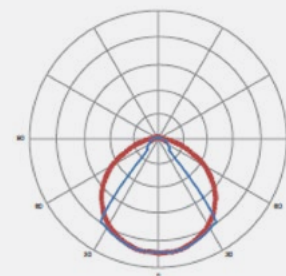
Model	Input voltage	Rated wattage (Watts)	Rated voltage (Volts)	Freq. (Hz)	Ambient temp.	Total lumens
WNL2S	AC	36	120-277	50/60	-40 to 131°F (-40 to 55°C)	3,970
	HV	36	347-480	50/60	-40 to 129°F (-40 to 54°C)	3,970
WNL2H	AC	52	120-277	50/60	-40 to 131°F (-40 to 55°C)	5,143
	HV	52	347-480	50/60	-40 to 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)

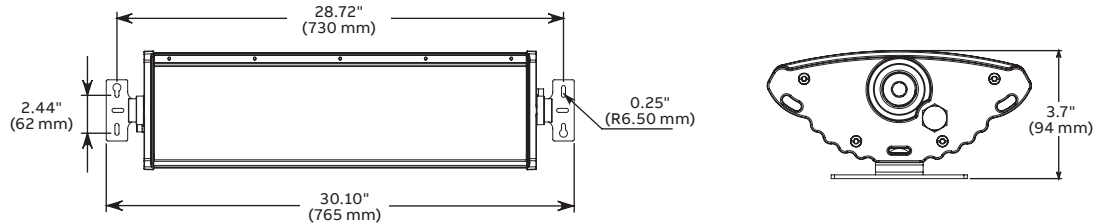


Easy field 360° angle adjustment with 3 mm hex key.

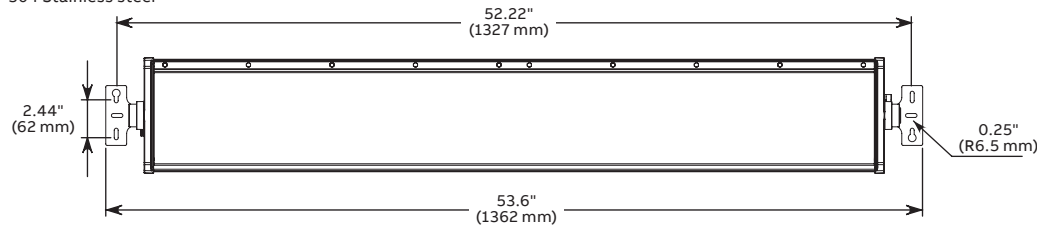
Surface/suspended mount (standard)

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



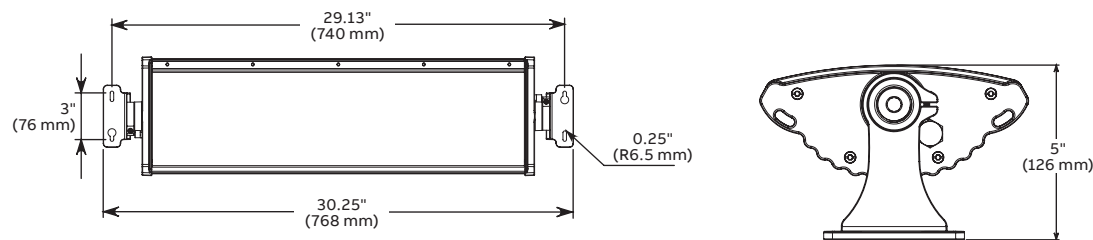
WNL4 – Surface mount 8.6 kg | 19 lbs (included standard)
304 Stainless steel



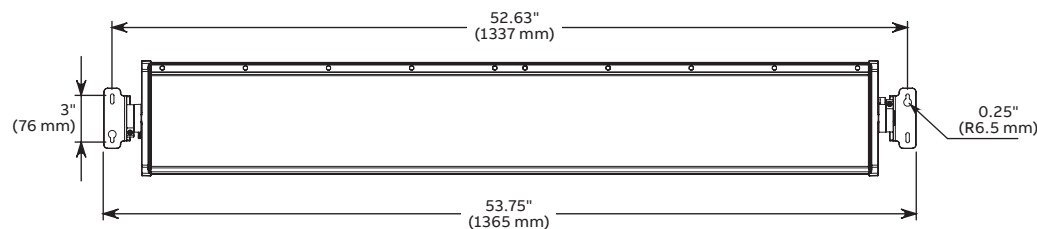
Adjustable mount (WNL-AM - optional)

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)

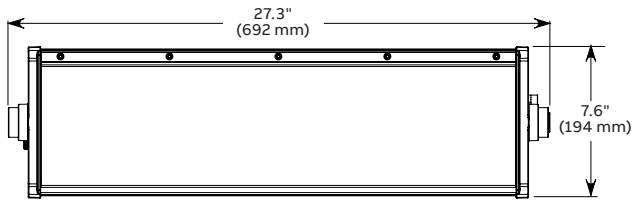


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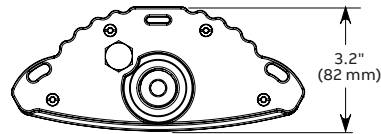
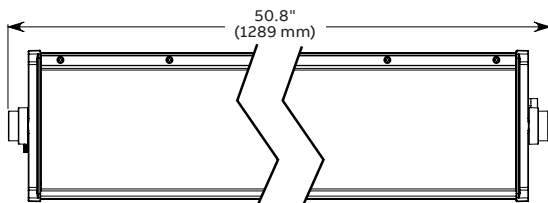
DIMENSIONS

Dimensions are approximate and subject to change.

WNL2

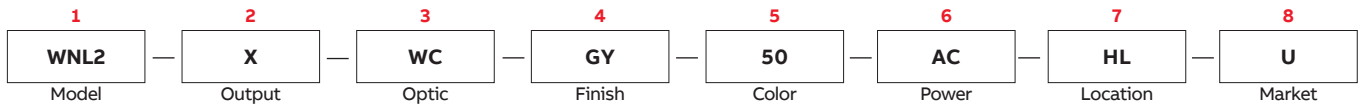


WNL4



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) ¹
	30	Warm white (3000K) ¹
	35	Warm white (3500K) ¹
	40	Natural white (4000K) ¹
	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

¹ 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).