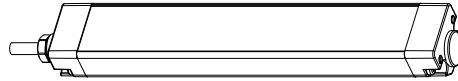


# WLS28 Pro LED Strip Light with IO-Link



## Datasheet

This guide is designed to help you set up and install the WLS28 Pro LED Strip Light with IO-Link. For complete information on programming, performance, troubleshooting, dimensions, and accessories, please refer to the Instruction Manual and Data Reference Guide at [www.bannerengineering.com](http://www.bannerengineering.com). Search for p/n 220962 to view the Instruction Manual and p/n 212231 to view the Data Reference Guide. Use of this document assumes familiarity with pertinent industry standard and practices.



**Important:** Read the following instructions before operating the light. Please download the complete WLS28 Pro LED Strip Light with IO-Link technical documentation, available in multiple languages, from [www.bannerengineering.com](http://www.bannerengineering.com) for details on the proper use, applications, Warnings, and installation instructions of this device.

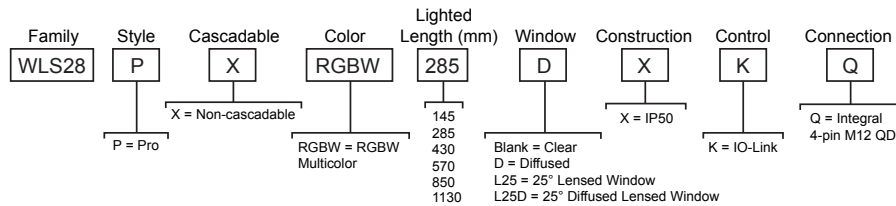


**Important:** Lea el siguiente instructivo antes de operar el luminario. Por favor descargue desde [www.bannerengineering.com](http://www.bannerengineering.com) toda la documentación técnica de los WLS28 Pro LED Strip Light with IO-Link, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones, advertencias, y las instrucciones de instalación de estos dispositivos.



**Important:** Lisez les instructions suivantes avant d'utiliser le luminaire. Veuillez télécharger la documentation technique complète des WLS28 Pro LED Strip Light with IO-Link sur notre site [www.bannerengineering.com](http://www.bannerengineering.com) pour les détails sur leur utilisation correcte, les applications, les notes de sécurité et les instructions de montage.

## Models



## IO-Link®

IO-Link® is a point-to-point communication link between a master device and a sensor and/or light. It can be used to automatically parameterize sensors or lights and to transmit process data. For the latest IO-Link protocol and specifications, please visit [www.io-link.com](http://www.io-link.com).

For the latest IODD files, please refer to the Banner Engineering Corp website at: [www.bannerengineering.com](http://www.bannerengineering.com).

## Wiring Diagrams

Male	Pin	Wire Color	Description
	1	Brown	18 V DC to 30 V DC
	2	White	Not used
	3	Blue	DC common
	4	Black	IO-Link Communication



# Specifications

## Supply Voltage

18 V DC to 30 V DC  
 Use only with suitable Class 2 power supply (UL) or a SELV power supply (CE)

Light Length	Typical Current			Maximum Current A
	18 V DC	24 V DC	30 V DC	
145 mm	0.240	0.180	0.150	0.275
285 mm	0.480	0.360	0.300	0.550
430 mm	0.720	0.540	0.450	0.825
570 mm	0.960	0.720	0.600	1.100
850 mm	1.440	1.080	0.900	1.650
1130 mm	1.920	1.440	1.200	2.200

## Supply Protection Circuitry

Protected against reverse polarity and transient voltages

## Mounting

(2) SMBWLS28RA swivel brackets and (4) screws included

## Construction

Housing: Clear anodized aluminum  
 End Caps: Painted zinc  
 Polycarbonate window on clear and diffuse plastic models, acrylic window on L25 models  
 Brackets: Zinc plated steel

## Connections

Integral 4-pin M12 male quick disconnect

## Environmental Rating

Rated IEC IP50

## Vibration and Mechanical Shock

Vibration: 10 Hz to 55 Hz, 1.0 mm peak-to-peak amplitude per IEC 60068-2-6

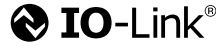
Shock: 15G 11 ms duration, half sine wave per IEC 60068-2-27

## Operating Temperature

-40 °C to +50 °C (-40 °F to +122 °F)

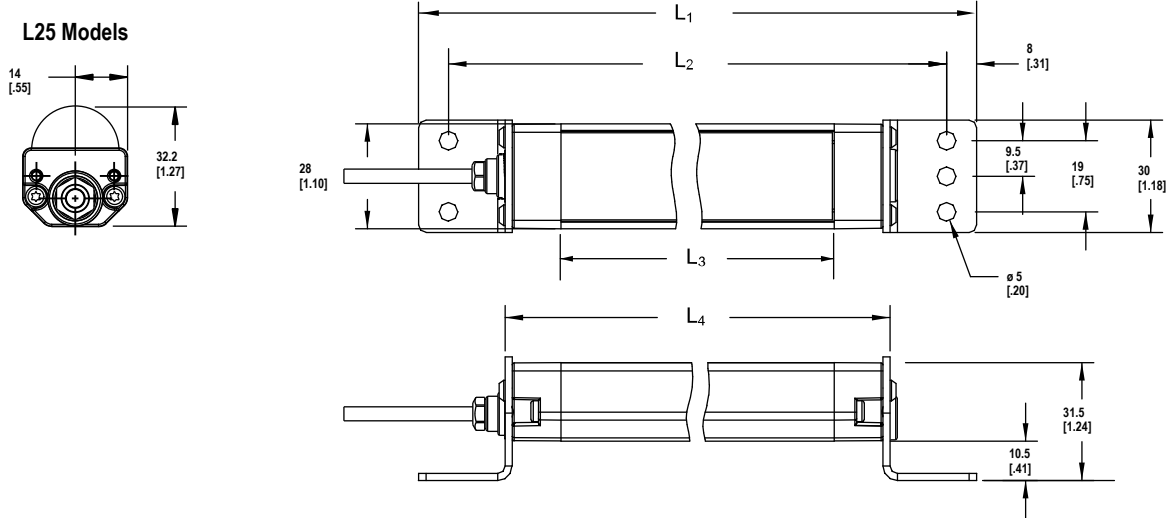
Storage Temperature: -40 °C to +70 °C (-40 °F to +158 °F)

## Certifications



# Dimensions

Dimensions are shown with the included SMBWLS28RA bracket.



Models	L1	L2	L3	L4
WLS28..145..	221 mm (8.7 in)	205 mm (8.1 in)	145 mm (5.71 in)	175 mm (6.9 in)
WLS28..285..	362 mm (14.3 in)	346 mm (13.6 in)	286 mm (11.26 in)	316 mm (12.4 in)
WLS28..430..	503 mm (19.8 in)	487 mm (19.2 in)	427 mm (16.81 in)	457 mm (18.0 in)
WLS28..570..	644 mm (25.4 in)	628 mm (24.7 in)	568 mm (22.36 in)	598 mm (23.5 in)
WLS28..850..	926 mm (36.5 in)	910 mm (35.8 in)	850 mm (33.46 in)	880 mm (34.6 in)
WLS28..1130..	1208 mm (47.6 in)	1192 mm (46.9 in)	1132 mm (44.57 in)	1162 mm (45.7 in)