RLS27 Rugged LED Strip Light Product Manual

Original Instructions
p/n: 225441 Rev. B
09-Oct-26
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ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

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Chapter 1 Features

Banner's RLS27 Rugged LED Strip Light has a sturdy aluminum housing and is encased in a clear shatterproof, UV-stabilized, polycarbonate shell, and protected with robust end caps making it ideal for harsh outdoor applications.

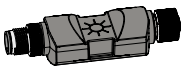


- Designed for the car wash industry with superior chemical resistance and protection for the most demanding environments
- Focused lens models are ideal for high-brightness applications and outdoor settings
- Rugged, waterproof IP67 and IP69K per ISO 20653 rated housing for use in challenging applications
- Both single color and multicolor models available
- Many lengths available from 285 mm to 2270 mm (1 ft to 8 ft)
- Brackets included, and optional brackets and additional accessories available to suit any situation
- Easy quick-disconnect connector standard on all models

IMPORTANT: Read the following instructions before operating the light. Please download the complete RLS27 Rugged LED Strip Light technical documentation, available in multiple languages, from 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 toda la documentación técnica de los RLS27 Rugged LED Strip Light, 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 RLS27 Rugged LED Strip Light sur notre site www.bannerengineering.com pour les détails sur leur utilisation correcte, les applications, les notes de sécurité et les instructions de montage.





For PWM dimming, use with the LC15T-127AP1RBGQP or LC25T-AP1RGBQ dimmer modules. For more information, refer to the LC15T In-Line Touch Switch datasheet, p/n 217460, or to the LC25T In-Line Touch Switch datasheet, p/n 231078. For single color models only.

Models

Family	Cascadeable	Color	Lighted Length (mm)	Window	Construction	Control[1]	Connection[2]
RLS27	X	W	1130	L35	S		QP

Continued on page 4

[1] Only available on single color models.
[2] All models require a mating cordset. See "Cordsets" on page 15.

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Continued from page 3

Family	Cascadeable	Color	Lighted Length (mm)	Window	Construction	Control	Connection
	X = Non-cascadable	W = Daylight white (5000K) WGRXX3- = White, Green, Red, with Override Control WGRYB5- = White, Green, Red, Yellow, Blue with Binary Control	285 570 850 1130 1700 2270	Blank = Clear L35 = 35-degree lensed window	S = Sealed	Blank = High / Low / Off PWM = Pulse Width Modulation	QP = 150 mm (6 in) PVC-jacketed cable with a 4-pin M12 male quick-disconnect connector

The following model is no longer available for order but is still covered by the information in this document: RLS27XW1700SQP.

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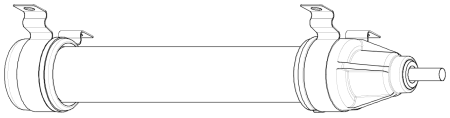
Chapter 2 Installing the RLS27 Rugged LED Strip Light

Attach Included Bracket



1. Remove power at the DC power supply.

   NOTE: This device requires a Class 2 or SELV DC power supply, max 4 A.

2. Remove the light from the packaging and inspect it for damage before installing it.
3. Attach the included LMBHLS27S brackets to the light. Apply Anti-Rotation Pads if desired.
4. Select a suitable horizontal or vertical mounting location.
5. Place the light in the mounting location and mark the positions of the bracket mounting holes. Additional bracket options are available (see "Brackets" on page 16).
6. Drill the holes and use appropriate screws to secure the bracket to the mounting location. Designed to be used with M5 or #10 stainless-steel hardware.
7. Attach cordsets per the wiring diagram. Terminate wire as appropriate per application.

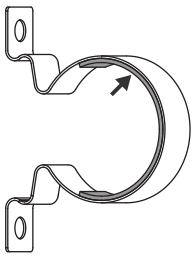
Installation is complete. Reapply power at the DC power supply.

Light Anti-Rotation Pads

In applications where vibration is a concern or when light orientation is critical, use anti-rotation pads to prevent the light from rotating within the mounting brackets. Light rotation caused by vibration may be more pronounced with longer-length lights.

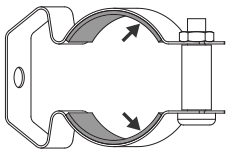
Attach the anti-rotation pads to the brackets, as shown in the figures, with the adhesive side applied to the bracket.

Included Mounting Hardware with Anti-Rotation Pads



NOTE: When using the optional mounting hardware, cut the anti-rotation pad and apply it to both sides of the mounting bracket as shown.

Optional Mounting Hardware with Anti-Rotation Pads



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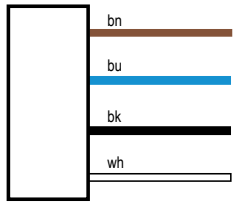
Wiring

Diagram	Wire	Single Color Models	Multicolor Models	PWM Models	Pinout (Male)
	1 - Brown	12 V DC to 30 V DC	Input 1: 24 V DC	12 V DC to 30 V DC	 1 = Brown 2 = White 3 = Blue 4 = Black
	2 - White	Not used	Input 3: 24 V DC	Not used	
	3 - Blue	DC common	DC common	DC common	
	4 - Black	Connect to 12 V DC to 30 V DC for 50% maximum intensity. For maximum intensity, leave the black wire floating or connected to common.	Input 2: 24 V DC	Pulse width modulation (PWM) input. For maximum intensity, leave the black wire floating or connected to common. Connecting to 12 V DC to 30 V DC causes the LEDs to shut off.	

Control for Multicolor Models: 3-Color Override Control (Color 3 overrides Colors 1 and 2, Color 2 overrides Color 1)

Input 1: Pin 1 Brown Wire	Input 2: Pin 4 Black Wire	Input 3: Pin 2 White Wire	LED Color
—	—	—	Light OFF
+24 V DC	—	—	Color 1 ON
—	+24 V DC	—	Color 2 ON
+24 V DC	+24 V DC	—	Color 2 ON
—	—	+24 V DC	Color 3 ON
+24 V DC	—	+24 V DC	Color 3 ON
—	+24 V DC	+24 V DC	Color 3 ON
+24 V DC	+24 V DC	+24 V DC	Color 3 ON

Control for Multicolor Models: 5-Color Binary Control (Binary input state controls color)

Input 1: Pin 1 Brown Wire	Input 2: Pin 4 Black Wire	Input 3: Pin 2 White Wire	LED Color
—	—	—	Light OFF
+24 V DC	—	—	Color 1 ON
—	+24 V DC	—	Color 2 ON
—	—	+24 V DC	Color 3 ON
+24 V DC	+24 V DC	—	Color 4 ON
+24 V DC	—	+24 V DC	Color 5 ON
—	+24 V DC	+24 V DC	Light OFF
+24 V DC	+24 V DC	+24 V DC	Light OFF

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Chapter 3 Specifications

Single Color Models

Supply Voltage

285 mm to 1130 mm models: 12 V DC to 30 V DC

1700 mm and 2270 mm models: 24 V DC (+25% / -10%)

Use only with a suitable Class 2 power supply (UL) or SELV power supply (CE)

Supply Current

Lighted Length (mm)	Max. Current Draw (A) at 12 V DC	Typical Current Draw (A)		
		12 V DC	24 V DC	30 V DC
285	0.8	0.66	0.3	0.24
570	1.6	1.36	0.61	0.48
850	2.4	2.13	0.92	0.73
1130	3.2	3.04	1.24	0.97

Lighted Length (mm)	Max. Current Draw (A) at 24 V	Typical Current Draw (A) at 24 V DC
1700	2.4	1.86
2270	3.2	2.48

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Mounting

Bracket kit LMBHLS27S included

Optional bracket kits available (see "Brackets" on page 16)

Connections

150 mm (6 in) PVC-jacketed cable with a 4-pin M12 male quick-disconnect connector

Do not spray cable with high-pressure sprayer or cable damage will result

See "Cordsets" on page 15

LED Lifetime

Lumen Maintenance - L_{70}

When operating within specifications, output will decrease less than 30% after 70,000 hours.

Environmental Rating

IP67, IP69K per ISO 20653

Operating Temperature

–40 °C to +70 °C (–40 °F to +158 °F)

Light output begins to decrease above 50 °C (122 °F) and will be approximately 65% of max intensity at 60 °C (140 °F) and 30% of max intensity at 70 °C (158 °F)

Light Characteristics

Daylight White

Color Temperature (CCT): 5000 K (± 300K)

Lumen output: 850 (±5%) per foot, typical at 25 °C (77 °F)

Luminous efficacy: 118 lumens/Watt typical at 24 V DC at 25 °C (77 °F)

CRI: 85, typical

Dimming and Control

High/Low/Off models:

High Setting: 100% intensity
Low Setting: 50% intensity

Pulse Width Modulation (PWM) models:

Frequency: Up to 1000 Hz
Voltage: 8 V DC to 30 V DC
Current: 4 mA max. per foot

See "Dimmers and Switches" on page 16

Required Overcurrent Protection

WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.

Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.

Supply wiring leads < 24 AWG shall not be spliced.

For additional product support, go to www.bannerengineering.com.

Supply Wiring (AWG)	Required Overcurrent Protection (A)	Supply Wiring (AWG)	Required Overcurrent Protection (A)
20	5.0	26	1.0
22	3.0	28	0.8
24	2.0	30	0.5

Construction

Clear anodized aluminum housing

UV-stabilized polycarbonate outer housing with vent

Storage Temperature

–40 °C to +70 °C (–40 °F to +158 °F)

Vibration and Mechanical Shock

Impact: IK10 (IEC 60068-2-75)

Vibration: 10 Hz to 55 Hz, 1.0 mm peak-to-peak amplitude per IEC 60068-2-6 (5 minute sweep, 30 minute dwell)

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

Certifications and Approvals

Banner Engineering BV
Park Lane, Culliganlaan 2F bus 3
1831 Diegem, BELGIUM

Turck Banner LTD Blenheim House
Blenheim Court
Wickford, Essex SS11 8YT
GREAT BRITAIN

UL/cULus E338626

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Multicolor Models

Supply Voltage

24 V DC (+20% / -10%)

Use only with a suitable Class 2 power supply (UL) or SELV power supply (CE)

Supply Current

Lighted Length (mm)	Typical Current (A) at 25 °C	Maximum Current (A) at -40 °C
285	0.315	0.4
570	0.63	0.8
850	0.945	1.2
1130	1.26	1.6
1700	1.89	2.4
2270	2.52	3.2

Connections

150 mm (6 in) PVC-jacketed cable with a 4-pin M12 male quick-disconnect connector

Do not spray cable with high-pressure sprayer or cable damage will result

See "Cordsets" on page 15

LED Lifetime

Lumen Maintenance - L_{70}

When operating within specifications, output will decrease less than 30% after 70,000 hours.

Environmental Rating

IP67, IP69K per ISO 20653

Operating Temperature

–40 °C to +50 °C (–40 °F to +122 °F)

Storage Temperature

–40 °C to +70 °C (–40 °F to +158 °F)

Vibration and Mechanical Shock

Impact: IK10 (IEC 60068-2-75)

Vibration: 10 Hz to 55 Hz, 1.0 mm peak-to-peak amplitude per IEC 60068-2-6 (5 minute sweep, 30 minute dwell)

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

Leakage Current Immunity

400 µA

Dimming and Control

On/off

See the two Control for Multicolor Models tables in "Wiring" on page 6

Required Overcurrent Protection

WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.

Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.

Supply wiring leads < 24 AWG shall not be spliced.

For additional product support, go to www.bannerengineering.com.

Supply Wiring (AWG)	Required Overcurrent Protection (A)	Supply Wiring (AWG)	Required Overcurrent Protection (A)
20	5.0	26	1.0
22	3.0	28	0.8
24	2.0	30	0.5

Construction

Clear anodized aluminum housing

UV-stabilized polycarbonate outer housing with vent

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Mounting

Bracket kit LMBHLS27S included

Optional bracket kits available (see "Brackets" on page 16)

Certifications and Approvals

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Light Characteristics

Daylight White Efficacy: 91 lumens/Watt typical at 24 V DC at 25 °C (77 °F)
CRI: 80 minimum

Color	Dominant Wavelength (nm) or Color Temperature	Lighted Length Lumens (Typical at 25 °C)[3]					
		285	570	850	1130	1700	2270
Daylight White	5000K (± 300K)	690	1380	2070	2760	4140	5520
Green	525 nm	425	850	1275	1700	2550	3400
Red	625 nm	195	390	585	780	1170	1560
Yellow	580 nm	605	1210	1815	2420	3630	4840
Blue	470 nm	115	230	345	460	690	920

FCC Part 15 Class B for Unintentional Radiators

(Part 15.105(b)) This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

(Part 15.21) Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

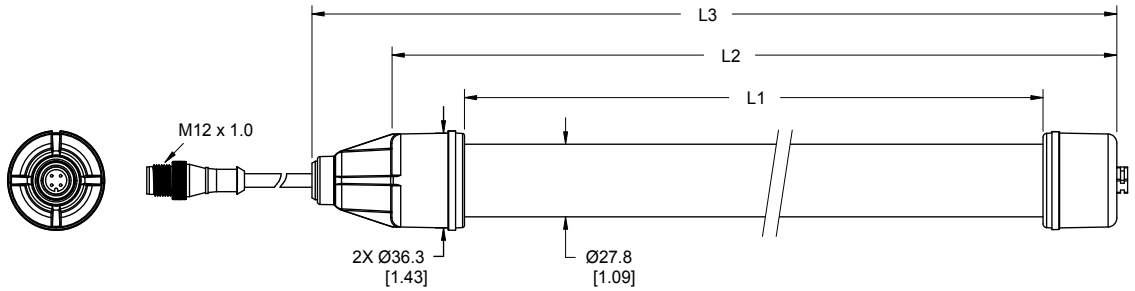
Industry Canada ICES-003(B)

This device complies with CAN ICES-3 (B)/NMB-3(B). Operation is subject to the following two conditions: 1) This device may not cause harmful interference; and 2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la norme NMB-3(B). Le fonctionnement est soumis aux deux conditions suivantes : (1) ce dispositif ne peut pas occasionner d'interférences, et (2) il doit tolérer toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité du dispositif.

Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise. The measurements provided are subject to change.



Model	L1	L2	L3
RLS27..0285..	282 mm (11.1 in)	339 mm (13.4 in)	370 mm (14.6 in)
RLS27..0570..	564 mm (22.2 in)	621 mm (24.5 in)	652 mm (25.7 in)

Continued on page 10

[3] Multicolor values shown at 25 °C. Current and lumen values decrease 0.4% per 1 °C from ambient. For example, an 1130 mm unit will have a maximum current of 1.600 A at -40 °C and 1.134 A at +50 °C.

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Continued from page 9

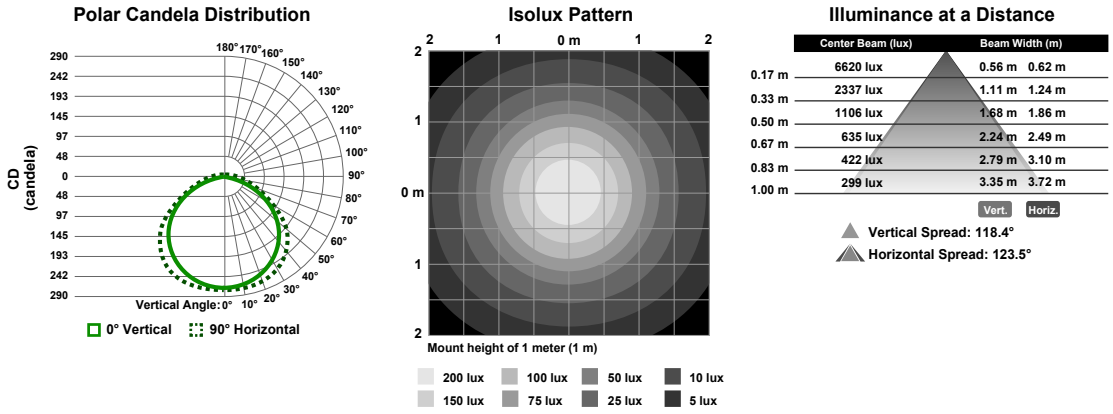
Model	L1	L2	L3
RLS27..0850..	846 mm (33.3 in)	903 mm (35.6 in)	934 mm (36.8 in)
RLS27..1130..	1128 mm (44.4 in)	1185 mm (46.7 in)	1216 mm (47.9 in)
RLS27..1700..	1694 mm (66.7 in)	1751 mm (68.9 in)	1783 mm (70.2 in)
RLS27..2270..	2258 mm (88.9 in)	2315 mm (91.1 in)	2347 mm (92.4 in)

Optical Data

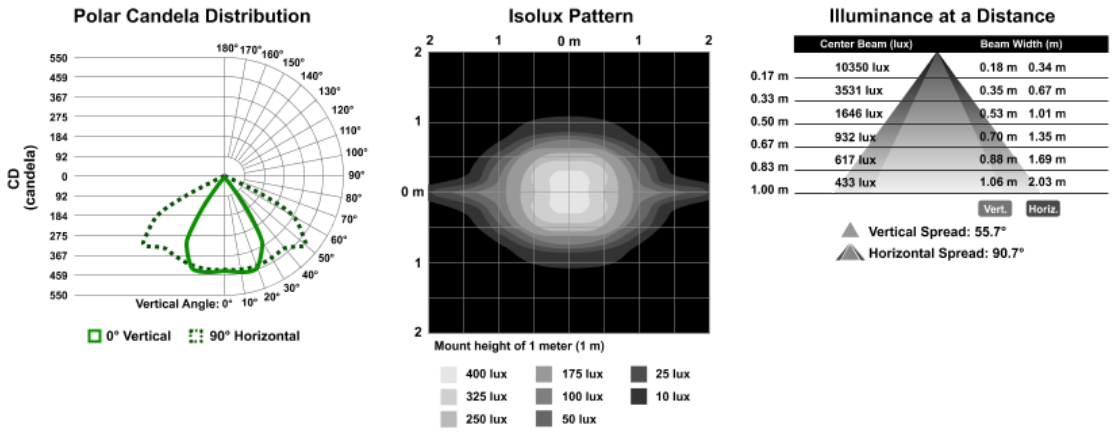
The optical data shown below is for a standard single color model, daylight white only. To calculate lux and candela values for other colors in the multicolor models, multiply the values shown on the charts by the following factors:

Color for Multicolor Models	Multiplier
Daylight White	0.812
Green	0.5
Red	0.229
Yellow	0.712
Blue	0.135

285 mm Clear Window



285 mm L35 Window



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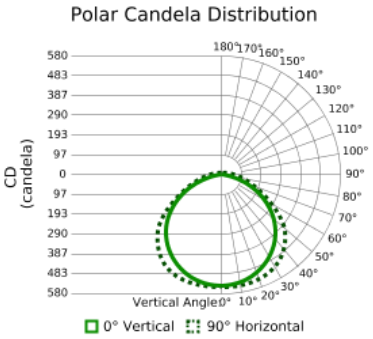
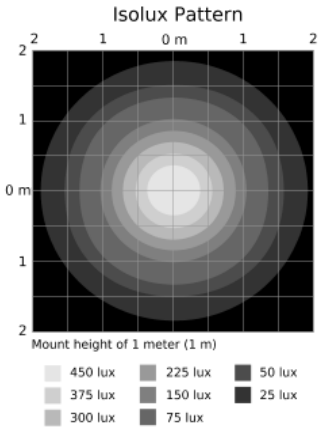
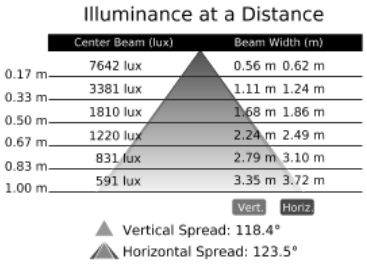
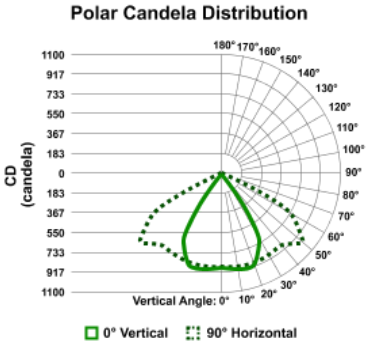
570 mm Clear Window

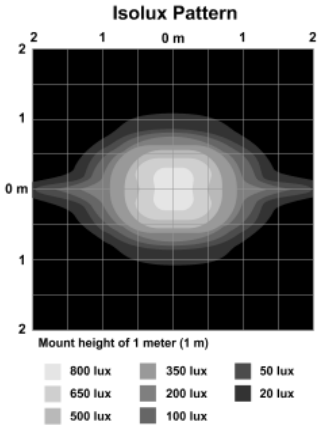


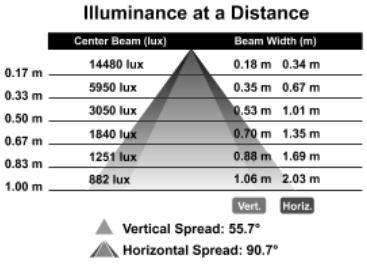




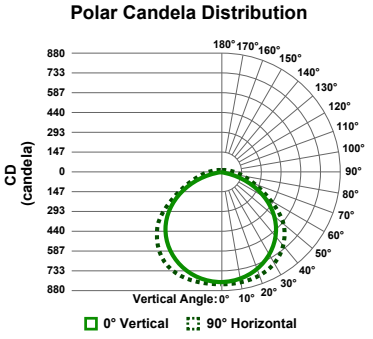
570 mm L35 Window

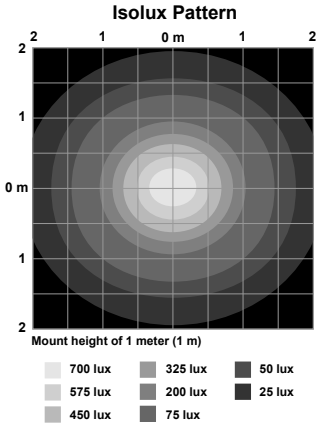


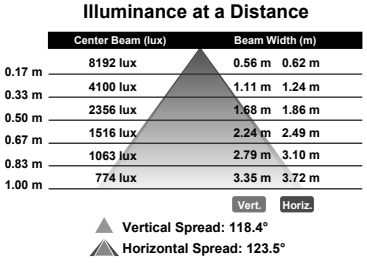




850 mm Clear Window







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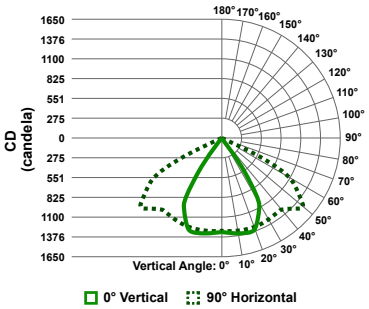
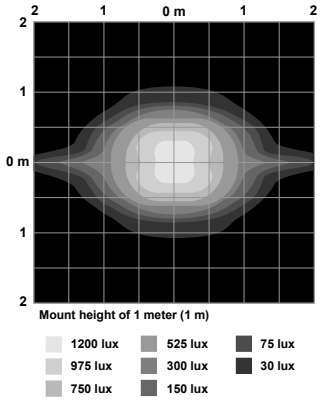
850 mm L35 Window

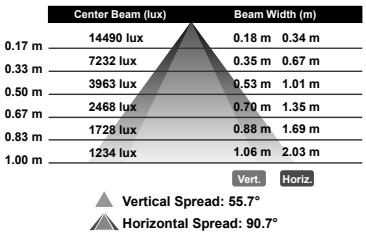
Polar Candela Distribution



Isolux Pattern

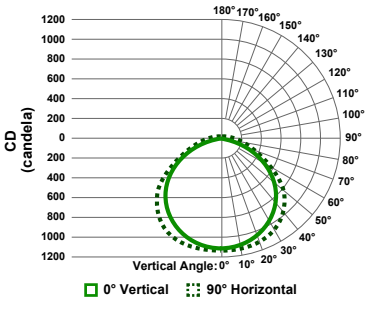


Illuminance at a Distance

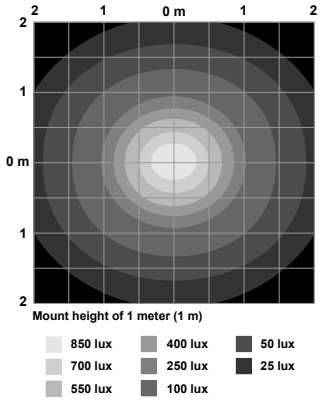


1130 mm Clear Window

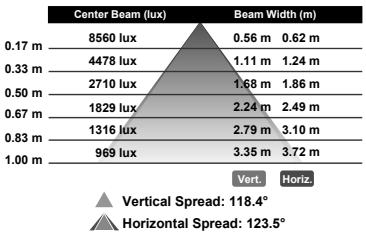
Polar Candela Distribution



Isolux Pattern

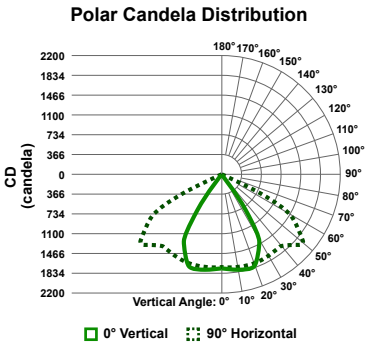


Illuminance at a Distance

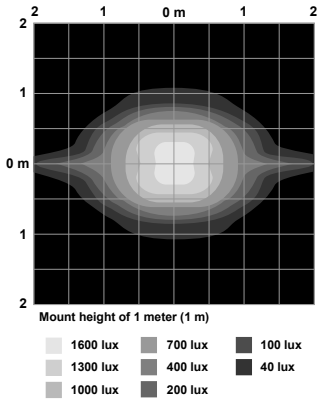


1130 mm L35 Window

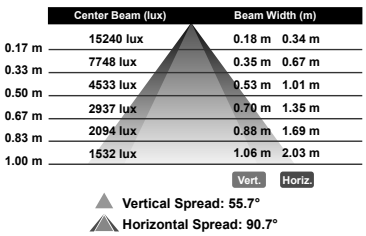
Polar Candela Distribution



Isolux Pattern



Illuminance at a Distance



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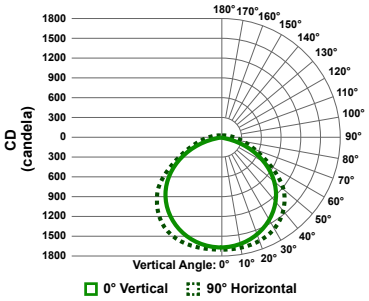
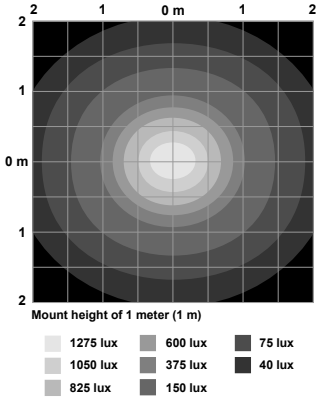
1700 mm Clear Window

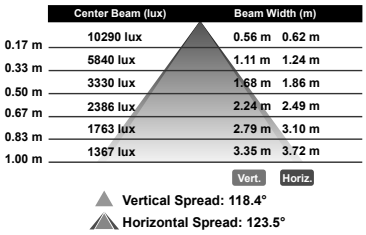
Polar Candela Distribution



Isolux Pattern

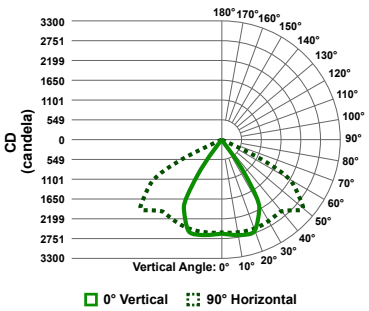


Illuminance at a Distance

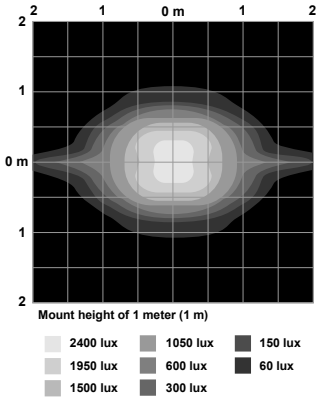


1700 mm L35 Window

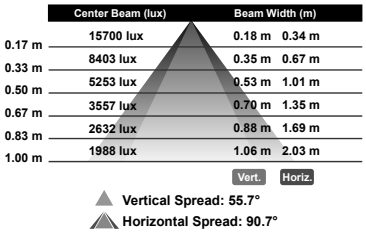
Polar Candela Distribution



Isolux Pattern

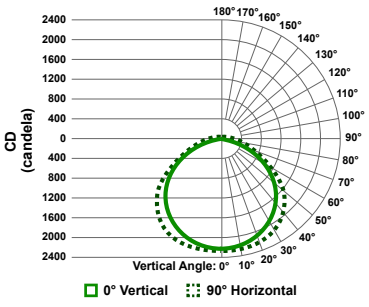


Illuminance at a Distance

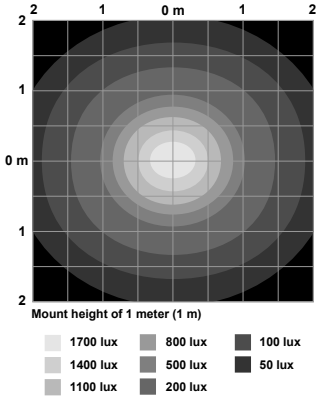


2270 mm Clear Window

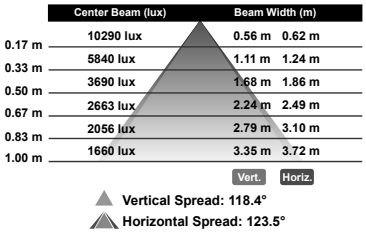
Polar Candela Distribution



Isolux Pattern



Illuminance at a Distance



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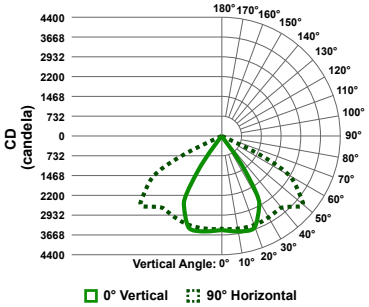
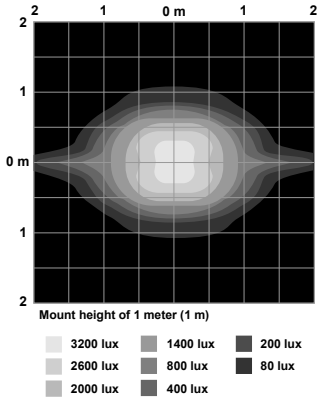
2270 mm L35 Window

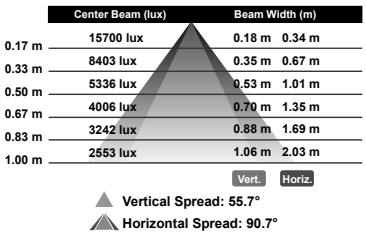
Polar Candela Distribution



Isolux Pattern



Illuminance at a Distance



Vertical Spread: 55.7°

Horizontal Spread: 90.7°

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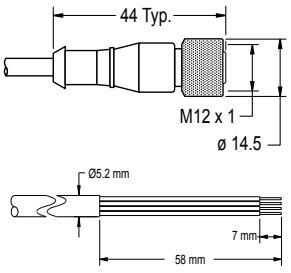
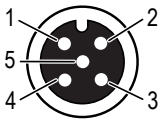
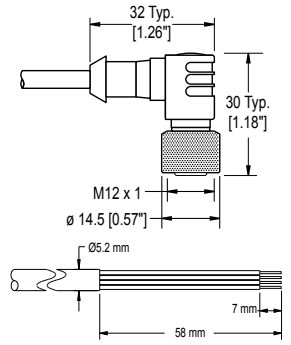
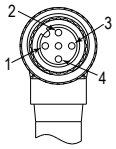
Chapter 4 Accessories

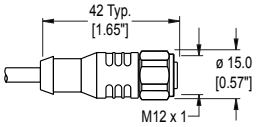
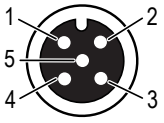
Cordsets

Standard Cordsets

4-Pin Single-Ended M12 Female Cordsets					
Model	**Length**	**Style**	**Dimensions**	**Pinout (Female)**	
MQDC-406	2 m (6.56 ft)	Straight			1 = Brown 2 = White 3 = Blue 4 = Black 5 = Not used
MQDC-415	5 m (16.4 ft)				
MQDC-430	9 m (29.5 ft)				
MQDC-450	15 m (49.2 ft)				
MQDC-406RA	2 m (6.56 ft)	Right-Angle			
MQDC-415RA	5 m (16.4 ft)				
MQDC-430RA	9 m (29.5 ft)				
MQDC-450RA	15 m (49.2 ft)				

Washdown Rated Cordsets

Polypropylene jacket and connector body, stainless steel coupling nut

5-Pin Single-Ended M12 Female Washdown, Shielded Cordsets				
Model	**Length**	**Style**	**Dimensions**	**Pinout (Female)**
MQDCWD-506	2 m (6.56 ft)	Straight		 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
MQDCWD-530	9 m (29.5 ft)			

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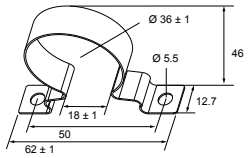
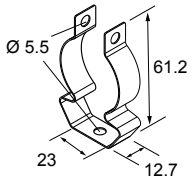
Brackets

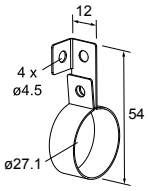
LMBHLS27S
- Set of 2 brackets
- Impact absorbing
- 300 series stainless steel
- Clearance for M5 or #10 hardware
- CAD Files: DXF, PDF, IGS, STP



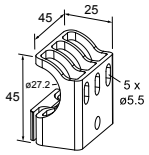
LMBHLS27O
- Set of 2 brackets
- Impact absorbing clamp
- 300 series stainless steel
- M5 stainless steel hardware included
- CAD Files: DXF, PDF, IGS, STP



LMBWLS27H
- 300 series stainless steel mounting brackets
- M4 stainless steel hardware included
- CAD Files: DXF, PDF, IGS, STP

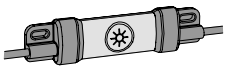


LMBWLS27U
- Clear copolyester
- Clearance for M5 or #10 hardware
- Clamps securely around the light body
- CAD Files: DXF, PDF, IGS, STP

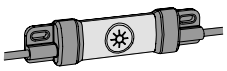


Dimmers and Switches

LC15T-127AL2RGQP
- In-line capacitive touch switch with M12 connectors
- On/Off control and illuminated indication
- Rated for up to 30 V DC and 4 A maximum output current
- Rugged and waterproof IP67 housing



LC15T-127AP1RBGQP
- In-line capacitive touch switch with M12 connectors
- On/Off/Dimming control and illuminated indication
- Rated for up to 30 V DC and 4 A maximum output current
- Rugged and waterproof IP67 housing



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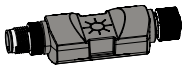
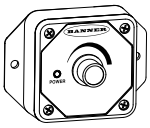
LC25T-AP1RBGQ

- In-line capacitive touch switch with M12 connectors
- Used with 3-wire PWM-controlled devices
- Rated for up to 30 V DC and 4 A maximum output current
- Low profile, rugged, water-resistant IP67 design



LC65P1T

- Potentiometer with terminal and M12 connector options
- PWM control
- Rated for up to 30 V DC and 4 A maximum output current
- Unsealed IP20 housing



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Chapter 5 Product Support and Maintenance

Clean with Mild Detergent and Warm Water

Wipe down the device with a soft cloth dampened with a mild detergent and warm water solution. Do not use any other chemicals for cleaning.

Repairs and Translations (No Field-Replaceable Parts)

English

Contact Banner Engineering for troubleshooting of this device. **Do not attempt any repairs to this Banner device; it contains no field-replaceable parts or components.** If the device, device part, or device component is determined to be defective by a Banner Applications Engineer, they will advise you of Banner's RMA (Return Merchandise Authorization) procedure.

```
IMPORTANT: If instructed to return the device, pack it with care. Damage that occurs in return shipping is not covered by warranty.
```

Obtain assistance with product repairs by contacting your local Banner Engineering Corp distributor or by calling Banner directly at (763) 544-3164. Access literature translated into your native language on the Banner website at www.bannerengineering.com or contact Banner directly at (763) 544-3164.

Deutsch

Wenden Sie sich zur Fehlerbehebung dieses Geräts an Banner Engineering. **Versuchen Sie nicht, Reparaturen an diesem Banner-Gerät vorzunehmen. Das Gerät enthält keine am Einsatzort auszuwechselnden Teile oder Komponenten.** Wenn ein Banner-Anwendungstechniker zu dem Schluss kommt, dass dieses Gerät, ein Teil oder eine Komponente davon defekt ist, erhalten Sie von dem Techniker Erläuterungen zu Banners RMA-Verfahren (Return Merchandise Authorization) für die Warenrückgabe.

```
WICHTIG: Wenn Sie der Techniker anweist, das Gerät zurückzusenden, verpacken Sie es bitte sorgfältig. Transportschäden bei der Rücksendung werden von der Garantie nicht abgedeckt.
```

Unterstützung bei Produktreparaturen erhalten Sie von Ihrem örtlichen Banner Engineering Corp Händler oder direkt von Banner unter Tel. (763) 544-3164. Die in Ihre Muttersprache übersetzte Literatur finden Sie auf der Banner-Website unter www.bannerengineering.com oder kontaktieren Sie Banner direkt unter Tel. (763) 544-3164.

Français

Pour plus d'informations sur le dépannage du produit, contactez Banner Engineering. **Ne tentez pas de réparer ce dispositif Banner. Il ne contient aucun composant ou pièce qui puisse être remplacé sur place.** Si un ingénieur de Banner conclut que le dispositif ou l'une de ses pièces ou composants est défectueux, il vous informera de la procédure à suivre pour le retour des produits (RMA).

```
Important : Si vous devez retourner le dispositif, emballez-le avec soin. Les dégâts occasionnés pendant le transport de retour ne sont pas couverts par la garantie.
```

Pour vous aider lors de la réparation de produits, contactez votre distributeur Banner local our appelez directement Banner au (763) 544-3164. La documentation traduite dans votre langue est disponible sur le site internet de Banner www.bannerengineering.com ou contactez directement Banner au (763) 544-3164.

Italiano

Per le procedure di individuazione e riparazione dei guasti di questo dispositivo, contattare Banner Engineering. **Non tentare di riparare questo dispositivo Banner, in quanto non contiene parti o componenti sostituibili dall'utente.** Se il dispositivo, una parte del dispositivo o un componente del dispositivo viene riscontrato difettoso da un tecnico Banner, il nostro personale vi comunicherà la procedura da seguire per ottenere l'autorizzazione al reso.

```
Importante: Se si ricevono istruzioni di rispedire il dispositivo al produttore, imballarlo con cura. I danni dovuti al trasporto non sono coperti dalla garanzia.
```

Per assistenza nelle riparazioni dei prodotti, contattare il distributore locale Banner Engineering Corp o contattare direttamente Banner al numero (763) 544-3164. È possibile accedere alla documentazione tradotta nella propria lingua madre sul sito Web Banner all'indirizzo www.bannerengineering.com o contattare direttamente Banner al numero (763) 544-3164.

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Español

Comuníquese con Banner Engineering para solucionar de problemas de este dispositivo. **No intente ninguna reparación a este dispositivo de Banner, contiene piezas o componente que no se pueden cambiar en terreno.** Si algún ingeniero de aplicaciones de Banner determina que el dispositivo, alguna de las piezas o alguno de los componentes del dispositivo está defectuoso, le informará el procedimiento de autorización de devolución de mercancía (RMA, por sus siglas en inglés) de Banner.

Importante: Si se le solicita devolver el dispositivo, empáquelo con cuidado. Puede haber daños durante el envío de devolución que no estén cubiertos por la garantía.

Para reparaciones de productos, por favor contacte a su distribuidor local de Banner Engineering o llame a Banner directamente al 00 1 (763) 544-3164. Vea la literatura traducida en su idioma en el sitio web Banner en www.bannerengineering.com o comuníquese con Banner directamente al 00 1 (763) 544-3164.

中国人

如需对本装置进行故障排查，请联系邦纳。**请勿尝试自行维修该邦纳装置；本装置不包含任何可在现场更换的部件或组件。** 若经邦纳应用工程师确认设备、设备部件或组件存在缺陷，他们将告知您邦纳退货授权 (RMA) 流程。

重要注意事项： 如被要求退回装置，请妥善包装后寄回。退货运输过程中发生的损坏不在保修范围内。

请联系当地的 Banner Engineering Corp 经销商或直接致电 Banner +1 (763) 544-3164，以获得产品维修帮助。请访问邦纳网站 www.bannerengineering.com 或直接拨打 +1 (763) 544-3164 联系邦纳，获取翻译成您母语的资料。

한국인

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중요: 제품을 반송하도록 안내 받으셨다면 잘 포장해주십시오. 반송 도중에 발생한 손상은 보증 서비스가 적용되지 않습니다.

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日本語

この装置のトラブルシューティングについては、バナーエンジニアリングにお問い合わせください。**このバナー装置には、現場では交換できない部品またはコンポーネントが含まれているため、修理を試みてはいけません。** バナーのアプリケーションエンジニアが装置、装置の部品、または装置のコンポーネントに欠陥があると判断した場合、バナーのRMA（返品承認）手続きについてお知らせします。

重要 ： 返品を指示された場合は、装置を丁寧に梱包してください。返品時に発生した破損は保証の対象外となります。

製品の修理については、最寄りのBanner Engineering Corp代理店にお問い合わせいただくか、米国+1 (763) 544-3164まで直接お電話でお問い合わせください。バナーのウェブサイト（www.bannerengineering.com）でお客様の言語に翻訳された資料にアクセスするか、米国+1 (763) 544-3164まで直接お電話でお問い合わせください。

čeština

Pro řešení problémů se zařízením kontaktujte společnost Banner Engineering. **Neprovádějte žádné opravy zařízení Banner. Neobsahují žádné komponenty nebo části, které by byly vyměnitelné.** Pokud je zařízení, jeho část nebo díl označen technikem společnosti Banner jako poškozený, bude Vám doporučeno vyplnit reklamační RMA protokol.

Důležité: Pokud byl vydán požadavek na vrácení zařízení, pečlivě ho zabalte. Poškození vzniklé při dopravě není považováno za záruční opravu.

Pokud produkt potřebuje opravu, vyžádejte si pomoc od místního distributora společnosti Banner Engineering Corp nebo přímo na telefonním čísle (763) 544-3164. Dokumentaci přeloženou do vašeho jazyka si vyhledejte na webových stránkách společnosti Banner na adrese www.bannerengineering.com nebo se obraťte přímo na společnost Banner na telefonním čísle (763) 544-3164.

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Polski

W celu rozwiązania problemów z urządzeniem należy skontaktować się z działem technicznym firmy Banner Engineering. **Pod żadnym pozorem nie próbuj naprawiać tego urządzenia firmy Banner; nie zawiera ono części ani elementów, które można wymieniać samodzielnie.** Jeśli urządzenie, jego część lub element zostaną uznane za wadliwe przez inżyniera technicznego Banner, poinformuje on użytkownika o firmowej procedurze zwrotu towaru (RMA) firmy Banner.

Ważne: Jeśli urządzenie ma zostać zwrócone, należy je starannie zapakować. Uszkodzenia powstałe podczas odsyłki nie są objęte gwarancją.

Aby uzyskać pomoc w zakresie naprawy produktu, należy skontaktować się z lokalnym dystrybutorem Banner Engineering Corp lub zadzwonić bezpośrednio do firmy Banner pod numer (763) 544-3164. Dostęp do literatury przetłumaczonej na swój język ojczysty można uzyskać na stronie internetowej firmy Banner pod adresem www.bannerengineering.com lub kontaktując się bezpośrednio z firmą Banner pod numerem (763) 544-3164.

Português

Entre em contato com a Engenharia da Banner para a solução de problemas deste dispositivo. **Não tente fazer nenhum reparo neste dispositivo Banner; ele não contém peças ou componentes substituíveis em campo.** Se um técnico de aplicações da Banner determinar que o dispositivo, peça ou componente do dispositivo está com defeito, ele o informará sobre o procedimento de RMA (Autorização de Devolução de Mercadoria) da Banner.

Importante: Se for instruído a devolver o dispositivo, embale-o com cuidado. Os danos ocorridos no transporte de devolução não são cobertos pela garantia.

Obtenha assistência para reparos do produto entrando em contato com o distribuidor local da Banner Engineering Corp ou ligando diretamente para a Banner no telefone (763) 544-3164. Acesse a literatura traduzida para seu idioma nativo no site da Banner em www.bannerengineering.com ou entre em contato diretamente com a Banner pelo telefone (763) 544-3164.

Türkçe

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