



LED Lighting

Banner Engineering's industrial LED lighting products are high-quality and energy-efficient lights that provide bright illumination for up to 50,000 hours. Robust, vibration-resistant housings and sleek designs make Banner Engineering's LED lighting ideal for a wide range of industrial applications, including machine lighting, enclosure lighting, visual inspection illumination and work cell lighting.

Selection Guide



Page	16	26	20	22	24
Family Name	WLS28-2	WLS27	WLS15	WLB32	WLB92
Length (mm)	145 to 1130	145 to 1130	220 to 1200	285 to 1130	550 and 1100
AC/DC	DC	DC	DC	AC and DC	AC and DC
Lumens per Foot (300 mm)	650	650	350	650	1750
Dual/Multi Color Options					
Color Options					
IP Rating	IP50 (unsealed) IP67, IP69K (sealed)	IP66, IP67, IP69K	IP66, IP67	IP50	IP40
Cascadeable					



30

30

32

34

36

38

WLC60

**WLH60
High Temp**

WLC90

WLA

WL50S

WL50-2

340 and 640

340 and 640

89 x 91

105 x 180 to
360 x 180

ø 50

ø 50

DC

DC

DC

DC

DC

DC

1300

1000

700

550

295

185



IP68, IP68g, IP69K

IP68, IP69K

IP68, IP68g, IP69K

IP67, IP69K

IP67, IP69K

IP67, IP69K

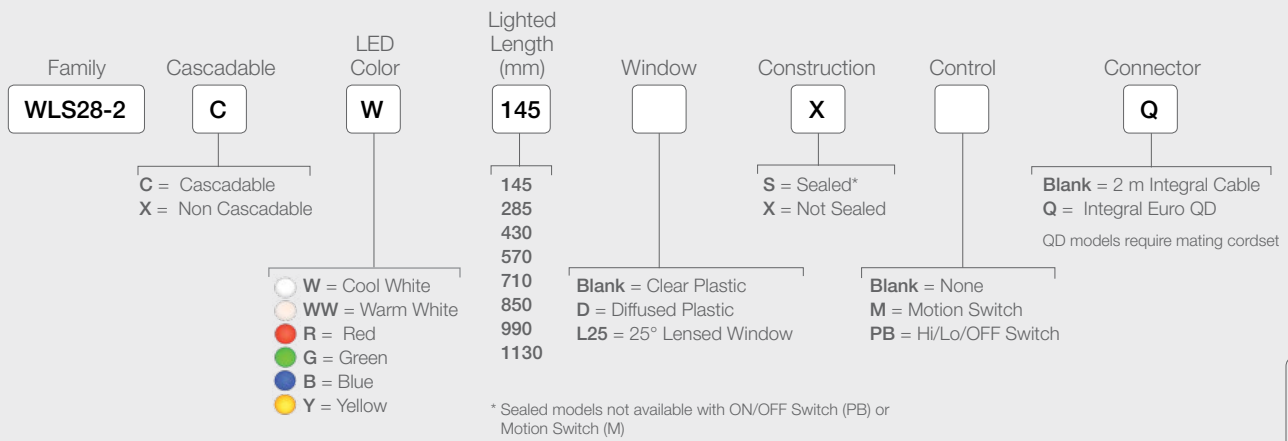




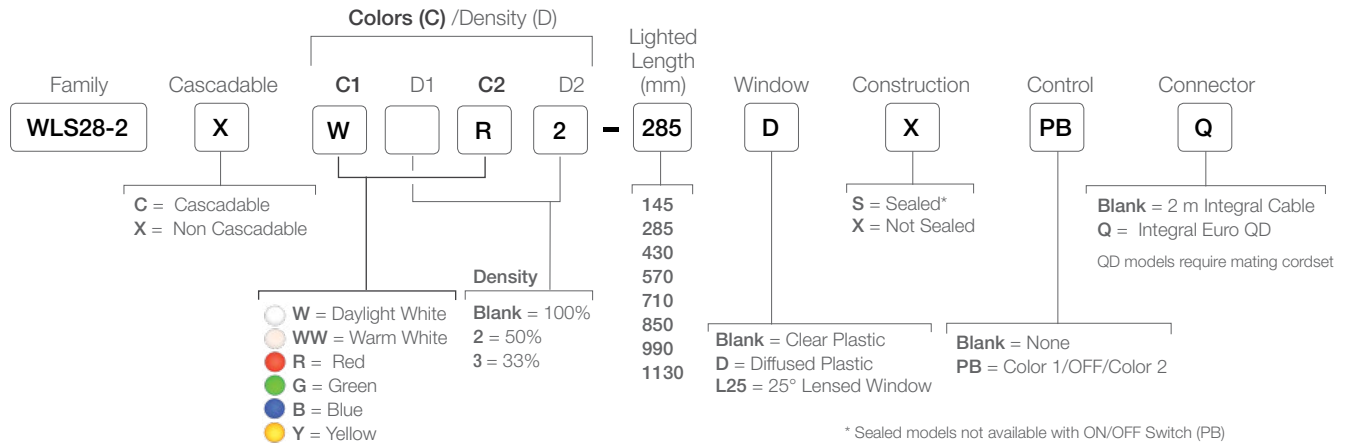
WLS28-2 LED Strip Lights

- Compact, space-saving design
- Rugged, water-resistant IP69K option
- Available in 8 lengths from 145 to 1130 mm
- Lensed models or choice of clear or diffuse window
- Cascade models for connecting multiple lights end-to-end, minimizing wiring
- UV 365 nm and 395 nm wavelength models available for UV fluorescent and non-fluorescent applications
- High/Lo/Off switch and non-switch models available
- Low power consumption less than 9 watts per foot
- Optional snap clips for easy installation and repositioning
- Automatic temperature protection built into the unit. Above 50 °C, the light dims to manage heat and protect product lifetime

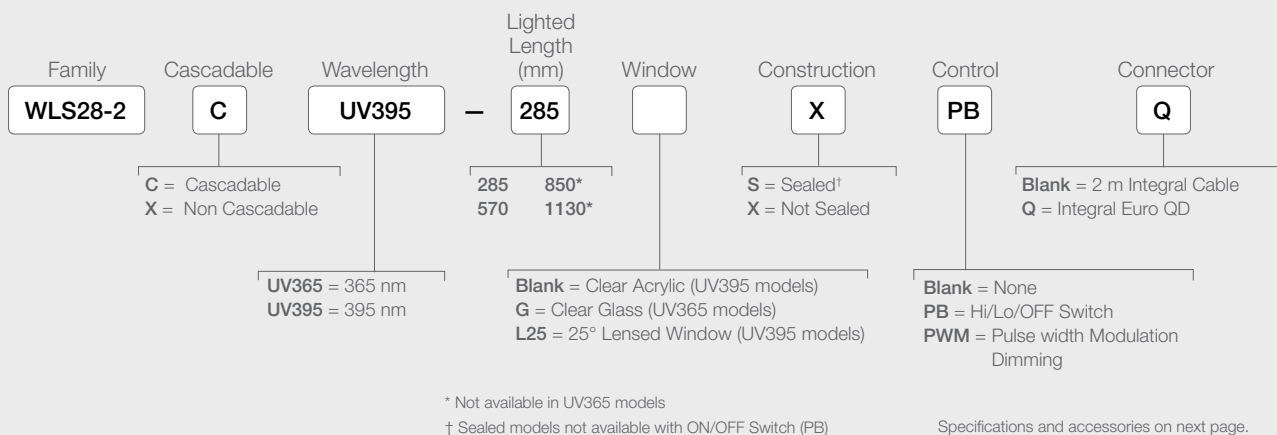
Single-Color



Dual-Color



UV Models



Supply Voltage	12 to 30 V dc
Construction	Housing: Clear anodized aluminum End Caps: Painted zinc Window: Polycarbonate.
Environmental Rating	Non-sealed Models: IEC IP50 Sealed Models: IEC IP67/IP69K per DIN 40050
Operating Temperature	-40 to +70 °C (-40 to +158 °F)
Certifications	



Single-Color

Length (mm)	Lumens* (Typical @ 25 °C)						Typical Wattage** (Watts)
	Cool White	Warm White	Red	Green	Blue	Yellow	
145	325	325	55	180	40	50	3.6
285	650	650	110	360	80	100	7.2
430	975	975	165	540	120	150	11.0
570	1300	1300	220	720	160	200	14.6
710	1625	1625	275	900	200	250	18.5
850	1950	1950	330	1080	240	300	22.1
990	2275	2275	385	1260	280	350	25.9
1130	2600	2600	440	1440	320	400	29.8

*Lumen values lowered by 35% on diffused window models
**Typical operating wattage is measured at 24 V dc

Dual-Color

Length (mm)	Lumens* (Typical @ 25 °C)					Typical Wattage** (Watts)
	Daylight White	Red	Green	Blue	Yellow	
285	475	200	300	110	150	7.2
570	950	400	600	220	300	14.6
850	1425	600	900	330	450	22.1
1130	1900	800	1200	440	600	29.8

*Lumen values lowered by 35% on diffused window models
**Typical operating wattage is measured at 24 V dc

Top Mount



SMBWLS28RA
(included with light)

Side Mount



SMBWLS28SM

Magnetic Mount Shown with SMBWLS28RA



SMBWLSMAG
SMBWLSMAGR
Protective cover for magnet sold separately

Snap Mount



SMBWLS28SP



PSD-24-4
Class 2 Power Supply
Input: 90-264 V ac 1.5A
Output: 24 V dc 3.9A
2 m (6.5') 4-Pin Euro Connector



WLS28-2PBQ
In-Line Switch with M12 Connectors



WLS28-2MQ
In-Line Motion Detection Switch with M12 Connectors



4-Pin M12/Euro-Style
Straight connector models listed; for right-angle, add RA to the end of the model number (example, MQDC-406RA)

MQDC-406
2 m (6.5')
MQDC-415
5 m (15')
MQDC-430
9 m (30')

4-Pin M12/Euro-Style
Double-Ended (straight male/straight female connectors)

MQDEC-401SS
0.3 m (1')
MQDEC-403SS
1 m (3')
MQDEC-406SS
2 m (6.5')

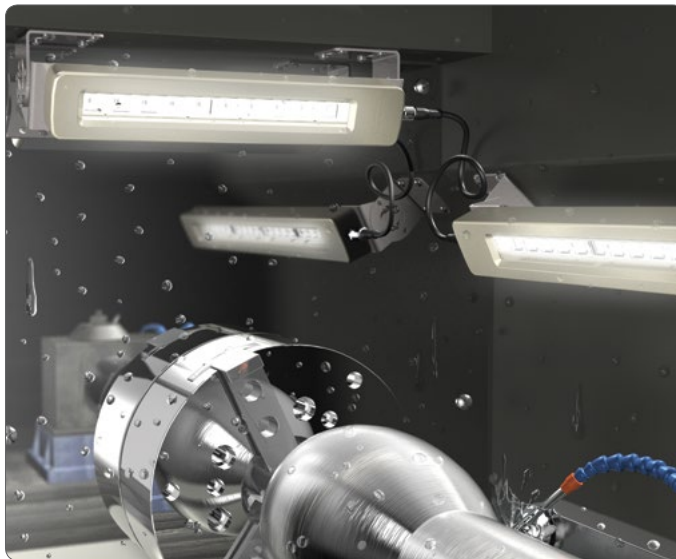
4-Pin M12/Euro-Style
Splitter

CSB-M1241M1241
0.3 m (1') male trunk;
2 x 0.3 m (1') female branches

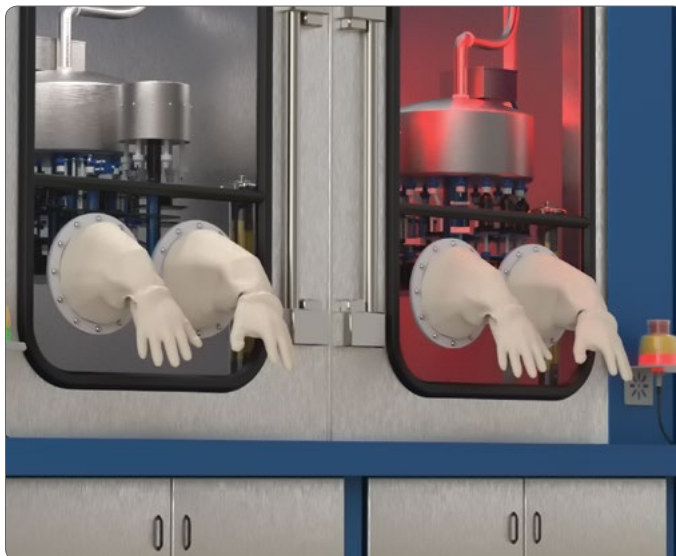
Additional cordset lengths and accessories are available at bannerengineering.com



WLB32



WLC60

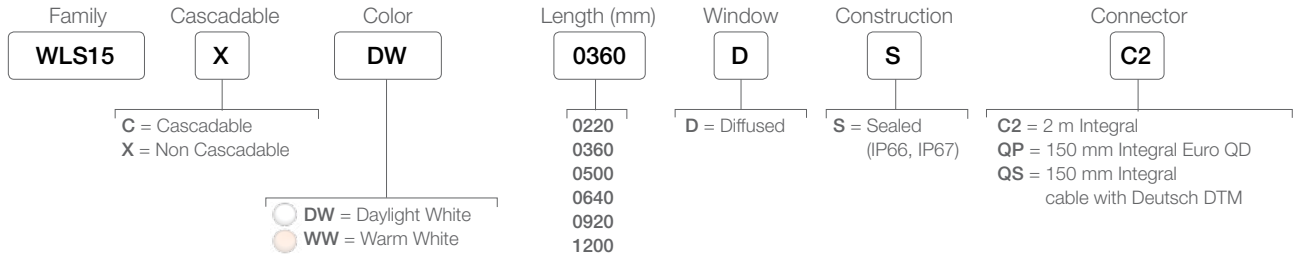


WLS27



WLS15 LED Strip Lights

- Low-profile design for easy installation in tight spaces
- 12 or 24 V dc operation in one model
- Completely sealed with an IP67 rating for use in wet or dusty environments
- The rugged construction and polycarbonate shell resists shock and vibration while remaining lightweight
- LED lighting technology saves energy and minimizes replacement costs
- Brackets and connectors are available to keep installation simple
- Draws half the current of other lights for a low power device and high energy savings
- Offers stability in the presence of line voltage fluctuations




Supply Voltage and Current | 12 V dc or 24 V dc nominal

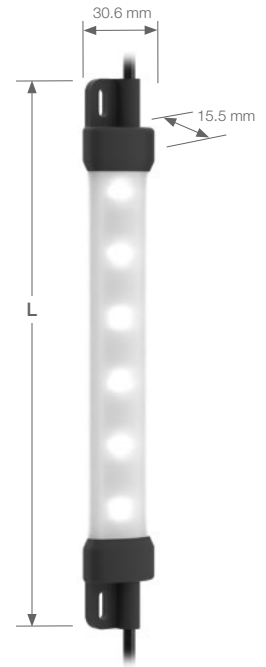
Construction | Clear anodized aluminum inner housing; Polycarbonate outer housing, Polyamide end caps

Environmental Rating | Rated IEC IP66 and IEC IP67
Suitable for wet locations per UL 2108

Operating Conditions | **Temperature:** -40 to +60 °C
Storage Temperature: -40 to +70 °C

Certifications | 

Length (mm)	Typical Current (A) at 25 °C		Maximum Current (A) at -40 °C		Lumens	
	12 V dc	24 V dc	12 V dc	24 V dc	Daylight White	Warm White
0220	0.19	0.10	0.24	0.12	175	170
0360	0.38	0.20	0.48	0.24	350	340
0500	0.57	0.30	0.72	0.36	525	510
0640	0.76	0.40	0.96	0.48	700	680
0920	1.14	0.60	1.44	0.72	1050	1020
1200	1.52	0.80	1.92	0.96	1400	1360



4-Pin M12/ Euro-Style
 Straight connector models listed; for right-angle, add RA to the end of the model number (example, MQDC-406RA)

4-Pin M12/Euro-Style
 Double-Ended (straight male/straight female connectors)

4-Pin M12/Euro-Style
 Splitter

MQDC-406
 2 m (6.5')
MQDC-415
 5 m (15')
MQDC-430
 9 m (30')

MQDEC-401SS
 0.3 m (1')
MQDEC-403SS
 1 m (3')
MQDEC-406SS
 2 m (6.5')

CSB-M1241M1241
 0.3 m (1') male trunk;
 2 x 0.3 m (1') female branches

4-Pin M12/Euro-Style
 Splitter

Deutsch
 Single-ended cordset with straight connectors

Deutsch
 Double-ended cordset with straight connectors

CSB-M1241M1241
 0.3 m (1') male trunk;
 2 x 0.3 m (1') female branches

DTMC-206
 2 m (6.5')
DTMC-215
 5 m (15')
DTMC-230
 9 m (30')

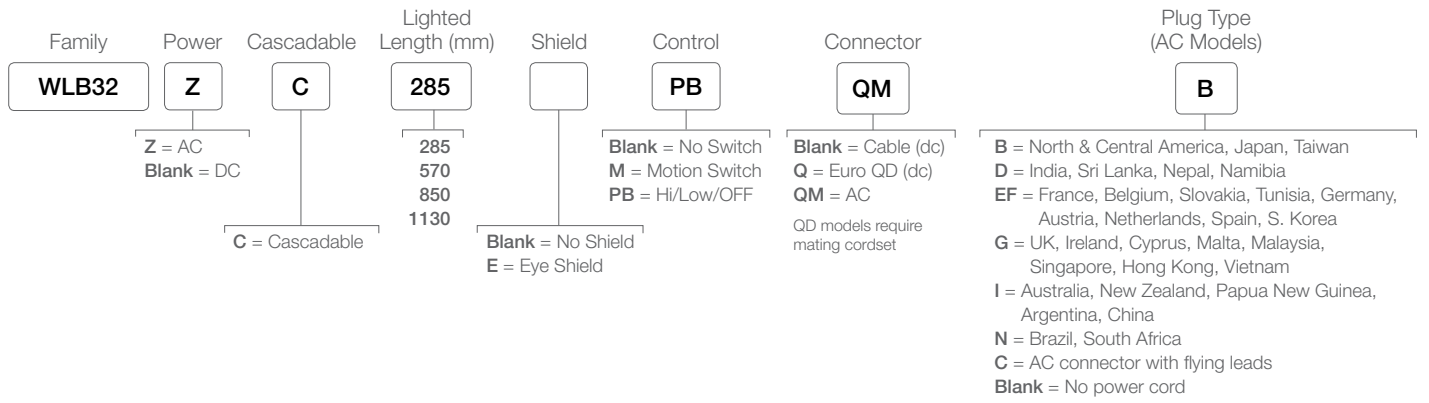
DTMEC-2005
 0.16 m (0.5')
DTMEC-206
 2 m (6')
DTMEC-230
 9 m (30')

Additional cordset lengths and accessories are available at bannerengineering.com



WLB32 LED Light Bar

- Energy efficient for overall cost savings
- High/Low/Off switch allows users to customize light levels
- Available as cascadable models for a continuous length of lighting, with a minimum of wiring
- Metal housing, shatterproof window
- Easy installation with snap clips, or a choice of magnetic or angle brackets
- Available in AC or DC models
- Available in 285 mm, 570 mm, 850 mm or 1130 mm
- Motion detection models are ideal for locations that cannot use a physical switch or where the placement of the switch is not useful
- Models featuring an eye shield window block direct line of sight to the domed window to increase eye comfort



Operating Voltage	12 to 30 V dc (dc models) 90 to 264 V ac (ac models)
Lumen Output	≈ 650/ft
LED Lifetime	50,000 hours
Color Temperature	Daylight White — 5000 k
Switch	High = 100% intensity Low = 50% intensity
Environmental Rating	IP50 — Dry location only
Certifications	CE, UL LISTED, cUL US, cRUL US



Length (mm)	Lumens (Typical @ 25 °C)	AC Models Typical Wattage* (Watts)	DC Models Typical Wattage* (Watts)
	Daylight White		
285	650	9	7.4
570	1300	18	14.8
850	1950	27	22.2
1130	2600	36	29.6

* Typical operating wattage is measured at 120 V ac or 24 V dc, depending on model

AC Cascade and Power Cordsets

(DC Cascade and Power cordsets shown on page 25)



1 Power Cordset
1.8 m (6')

LQMAC-306	Flying Leads
LQMAC-306B	North & Central America, Japan, Taiwan
LQMAC-306D	India, Sri Lanka, Nepal, Namibia
LQMAC-306EF	France, Belgium, Slovakia, Tunisia, Germany, Austria, Netherlands, Spain, S. Korea
LQMAC-306G	UK, Ireland, Cyprus, Malta, Malaysia, Singapore, Hong Kong, Vietnam
LQMAC-306I	Australia, New Zealand, Papua New Guinea, Argentina, China
LQMAC-306N	Brazil

2 Double-Ended Cascading Cordset
Male straight/Male straight connectors

LQMAEC-3005SS	0.15 m (0.5')
LQMAEC-301SS	0.31 m (1.0')
LQMAEC-303SS	0.91 m (3.0')

Additional cordset lengths and accessories are available at bannerengineering.com

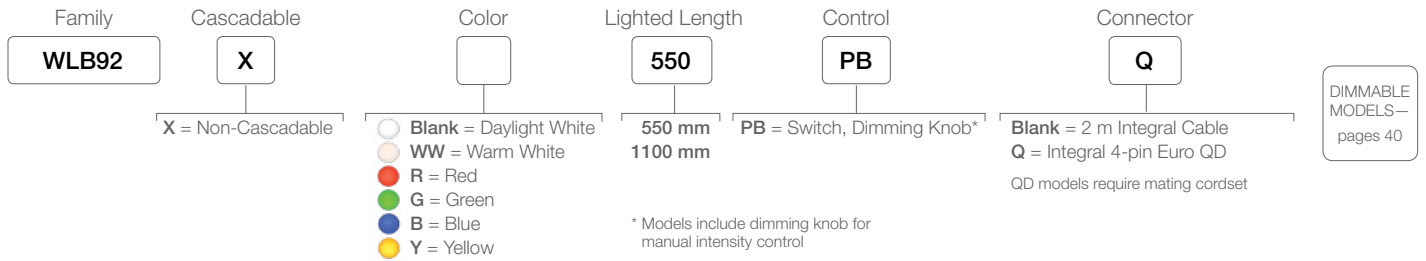




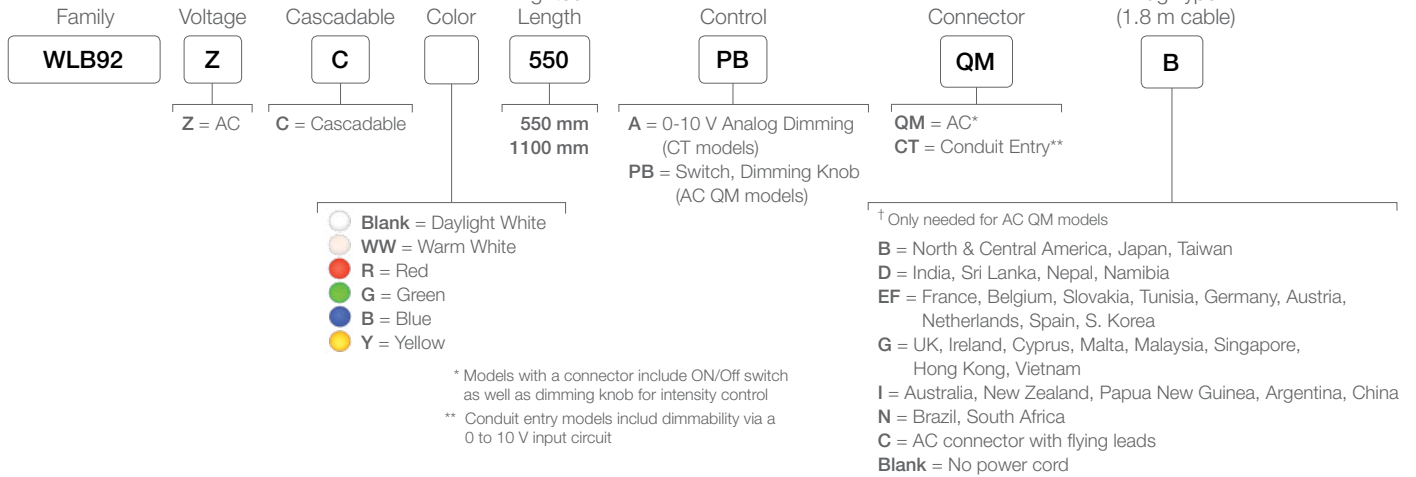
WLB92 Industrial Light Bar

- Increase worker productivity and ergonomics with bright, high-quality, uniform light
- Durable light stands up in your environment with a rugged metal housing and shatterproof light cover
- No maintenance time or cost with long-life, energy-efficient LEDs
- Flexibility to place light where needed with ac and dc models
- Easy installation with variety of mounting options: surface, swivel, snap and hanging brackets
- Available in daylight white, warm white, blue, red, yellow and green
- AC models are DLC qualified and have a five year warranty

DC Models



AC Models



Operating Voltage

24 V dc (dc models)
100 to 277 V ac (ac models)

Construction

Housing: Anodized aluminum
Window: Polycarbonate

LED Lifetime

50,000 hours

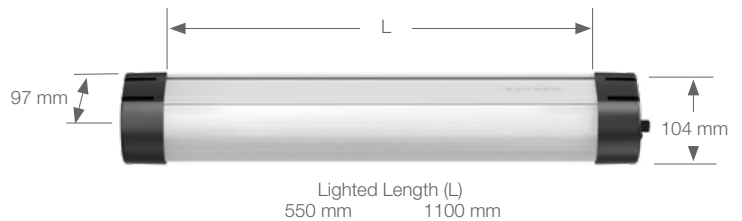
Color Temperature

Daylight White — 5000 k
Warm White — 3000 k

Environmental Rating

IEC IP40

Certifications



Length (mm)	Lumens (Typical @ 25 °C)						AC Models Typical Wattage* (Watts)	DC Models Typical Wattage* (Watts)
	Daylight White	Warm White	Green	Red	Yellow	Blue		
550	3510	3510	1430	745	620	405	34	35
1100	7150	7150	2975	1545	1295	840	70	70

* Typical operating wattage is measured at 120 V ac or 24 V dc, depending on model



LMBWLB92

LMBWLB92-CLIP

LMBWLB92S



LMBWLB92HK5

LMBWLB92RAS

AC Power Cordset 1.8 m (6')

for use with models using QM connector.
Cascadable model cables available on page 19.



LQMAC-306

Flying Leads

LQMAC-306B

North & Central America, Japan, Taiwan

LQMAC-306D

India, Sri Lanka, Nepal, Namibia

LQMAC-306EF

France, Belgium, Slovakia, Tunisia, Germany, Austria, Netherlands, Spain, S. Korea

LQMAC-306G

UK, Ireland, Cyprus, Malta, Malaysia, Singapore, Hong Kong, Vietnam

LQMAC-306I

Australia, New Zealand, Papua New Guinea, Argentina, China

LQMAC-306N

Brazil, South Africa



For use with DC models
4-Pin M12/Euro-Style
Straight connector models listed; for right-angle, add **RA** to the end of the model number (example, **MQDC-406RA**)

MQDC-406
2 m (6.5')
MQDC-415
5 m (15')
MQDC-430
9 m (30')

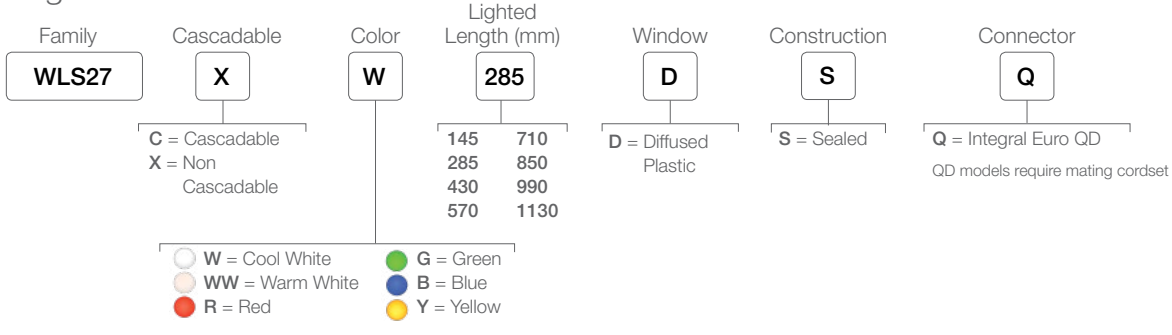
Additional accessories are available at bannerengineering.com



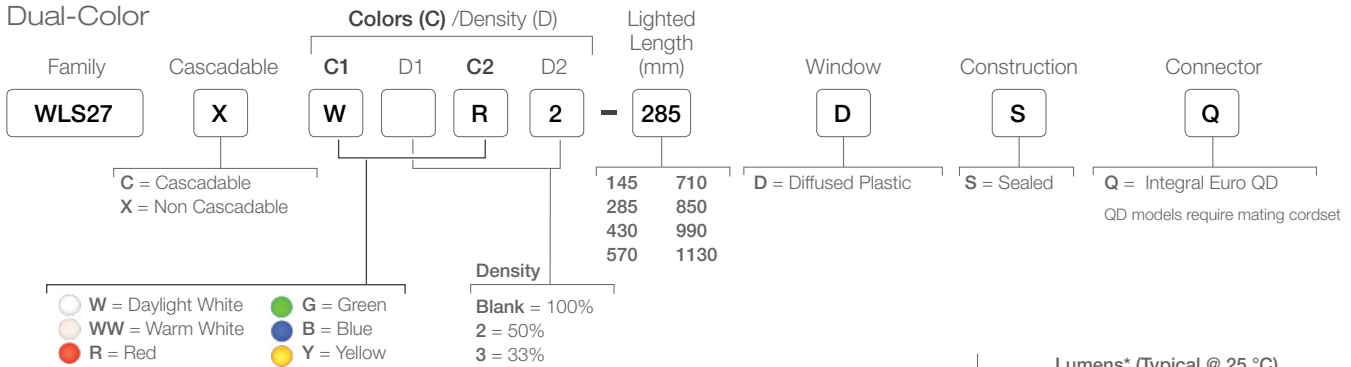
WLS27 LED Strip Lights

- Cylindrical shape design, ideal for laminar airflow applications
- Rugged, water-resistant IP66, IP67 and IP69K construction
- Chemically resistant copolyester housing
- Available in eight lengths from 145 mm to 1130 mm
- Daisy chain power to multiple lights
- Capability to dim lights using the wiring pinout (Hi/Lo/Off)
- Optional snap clips for easy installation and repositioning
- Automatic temperature protection built into the unit. Above 50 °C, the light dims to manage heat and protect product lifetime

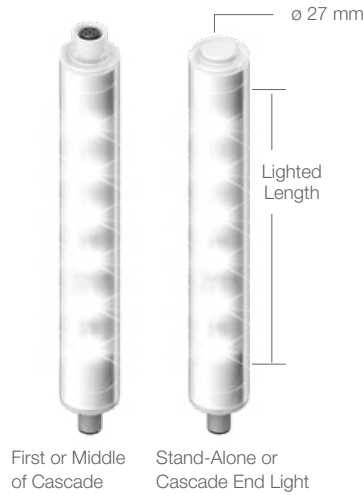
Single Color



Dual-Color



Supply Voltage	12 to 30 V dc
Construction	Housing: Copolyester
LED Lifetime	50,000 hours
Environmental Rating	IEC IP67, IP66, IP69K per DIN 40050
Operating Temperature	-40 to +70 °C (-40 to +158 °F)
Certifications	



Length (mm)	Lumens* (Typical @ 25 °C)						Typical Wattage** (Watts)
	Cool White	Warm White	Red	Green	Blue	Yellow	
145	325	325	55	180	40	50	4
285	660	660	110	360	80	100	7
430	975	975	65	540	120	150	11
570	1300	1300	220	720	160	200	15
710	1625	1625	275	900	200	250	19
850	1950	1950	330	1080	240	300	22
990	2275	2275	385	1260	280	350	26
1130	2600	2600	440	1440	320	400	30

* Lumen values lowered by 35% on diffused window models
 ** Typical operating wattage is measured at 24 V dc

Length (mm)	Lumens (Typical @ 25 °C)					Typical Wattage* (Watts)
	White	Red	Green	Blue	Yellow	
145	238	100	150	55	75	4
285	475	200	300	110	150	7
430	713	300	450	165	225	11
570	950	400	600	220	300	15
710	1188	500	750	275	375	18
850	1425	600	900	330	450	22
990	1663	700	1050	385	525	26
1130	1900	800	1200	440	600	30

*Typical operating wattage is measured at 24 V dc



- ① Power Cordsets
4 pin M12 Euro-style
- ① Power Cordsets - Washdown
4 pin M12 Euro-style
- ② Double-Ended
(straight male/straight female connectors) 4-Pin M12/Euro-Style
- Splitter
4-Pin M12/Euro-Style

MQDC-406
MQDC-406RA
 2 m (6.5')

MQDC-WDSS-0406
 2 m (6.5')

MQDEC-401SS
 0.3 m (1')

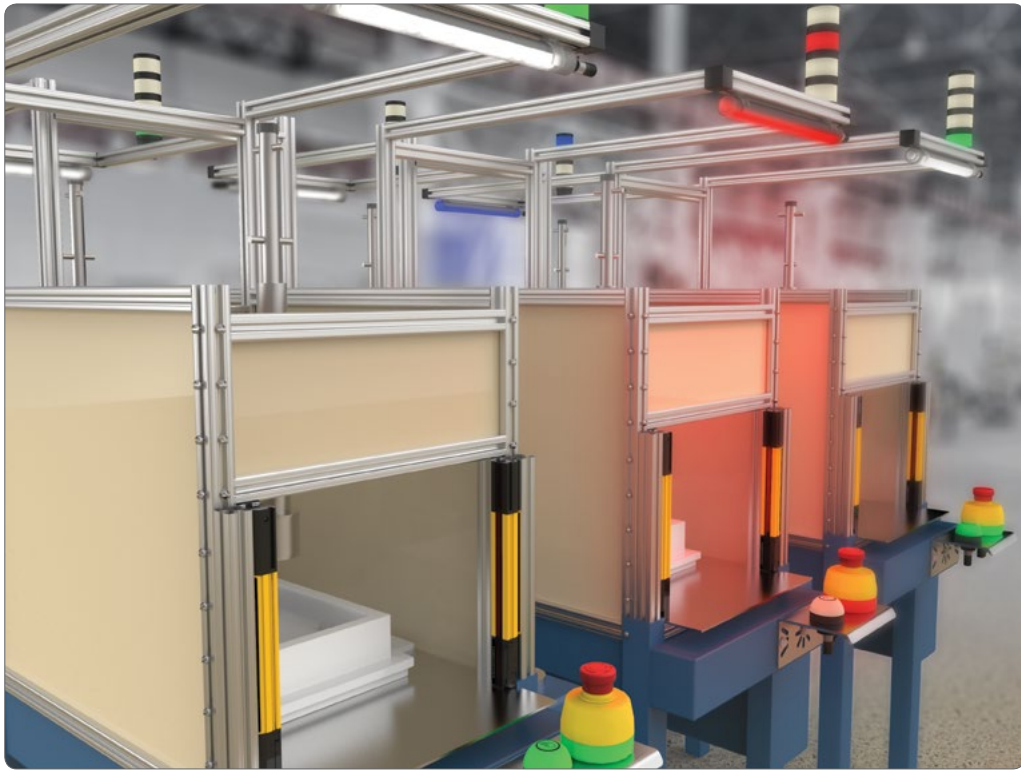
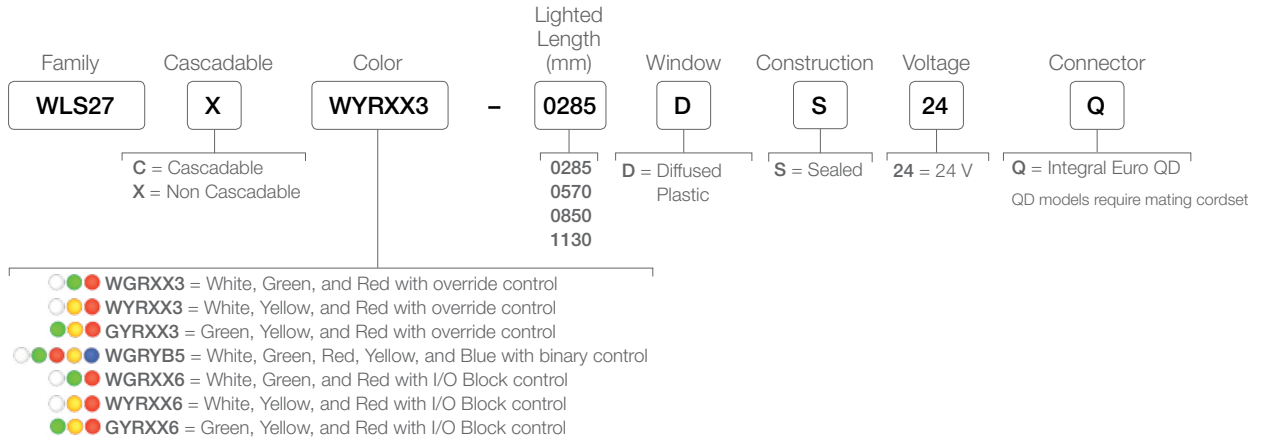
CSB-M1241M1241
 0.3 m (1') male trunk;
 2 x 0.3 m (1') female branches

Additional cordset lengths and accessories are available at bannerengineering.com



WLS27 Multicolor LED Strip Lights

- Three- and five-color models with EZ-STATUS™ combine illumination and indication in one robust light fixture
- Rugged, water-resistant IEC IP69K rating
- Four available lengths from 285 mm to 1130 mm
- Daisy chain power to multiple lights



Supply Voltage: 24 V dc

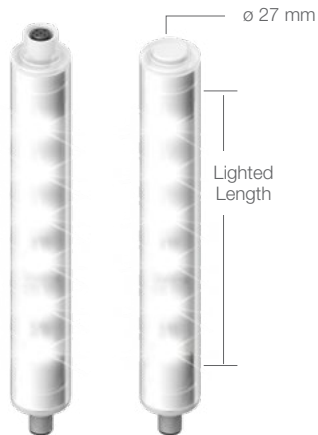
Construction: Housing: Copolyester

LED Lifetime: 50,000 hours

Environmental Rating: IEC IP66, IP67, IP69K per DIN 40050

Operating Temperature: -40 to +50 °C (-40 to +122 °F)

Certifications:



First or Middle of Cascade Stand-Alone or Cascade End Light

Length (mm)	Lumens (Typical @ 25 °C)					Typical Wattage* (Watts)
	White	Red	Green	Blue	Yellow	
285	650	185	400	125	570	7
570	1300	370	800	250	1140	12
850	1950	555	1200	375	1710	22
1130	2600	740	1600	500	2280	30

*Typical operating wattage is measured at 24 V dc

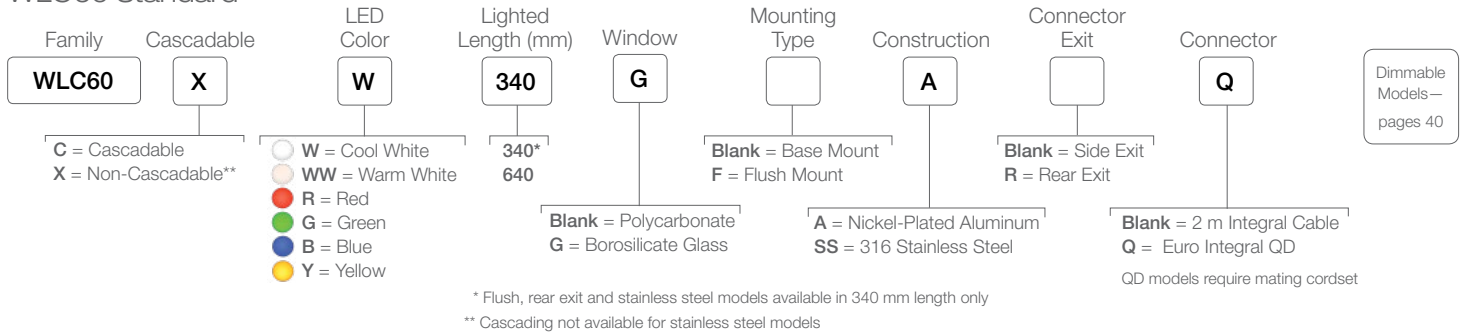
Accessories are listed on pages 26



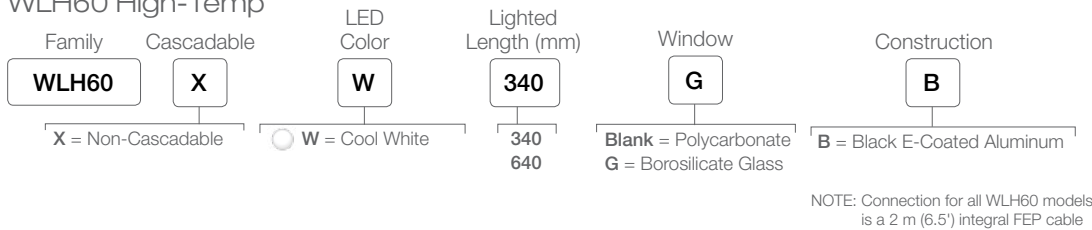
Heavy-Duty LED Lights

- Oil, chemical, and water resistant with IP67, IP68g, and IP69K ratings
- High brightness paired with advanced glare-reducing optics
- Easy-to-install with a wide variety of mounting solutions
- Resistant to vibration and shock
- Input voltage of 12–30 V dc
- Models have four discrete intensity level settings
- Available with stainless steel or nickel-plated aluminum housing
- High temperature models now available in a black E-coated aluminum housing

WLC60 Standard



WLH60 High-Temp

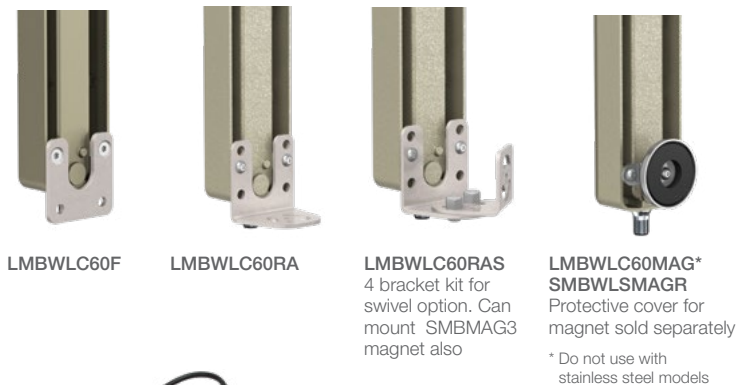
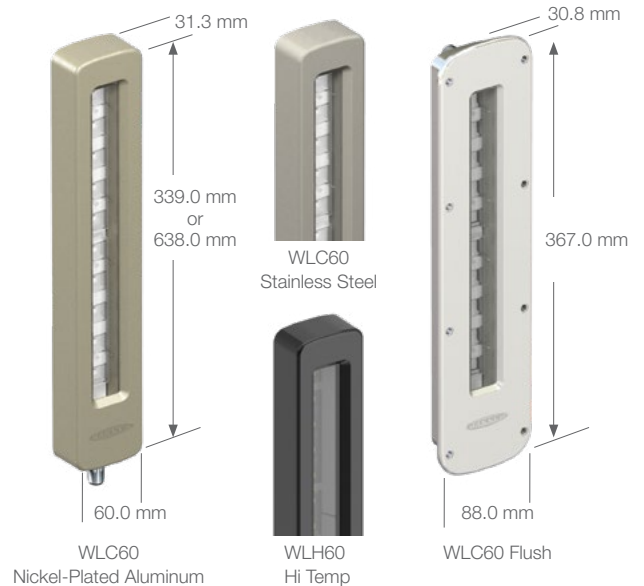


Supply Voltage	WLC60: 12 to 30 V dc WLH60: 21 to 28 V dc
Construction	WLC60 Housing: Nickel-plated aluminum or 316 Stainless steel WLH60 Housing: Black electro-coated aluminum Window: Polycarbonate or Borosilicate Glass
Environmental Rating	Rated IEC IP68, IP68g, IP69K per DIN 40050
Operating Temperature	WLC60: -40 to +70 °C (-40 to +158 °F) WLH60: -40 to +100 °C (-40 to +212 °F)
Certifications	

Length (mm)	WLC60 Lumens (Typical @ 25 °C)		Length (mm)	WLH60 Lumens (Typical @ 25 °C)	
	Cool White	Typical Wattage* (Watts)		Cool White	Typical Wattage* (Watts)
340	1300	14.2	340	1150	14.2
640	2600	28.1	640	2300	28.1

*Typical operating wattage is measured at 24 V dc

*Typical operating wattage is measured at 24 V dc



* Do not use with stainless steel models



PSD-24-4
Class 2 Power Supply
Input: 90-264 V ac 1.5A
Output: 24 V dc 3.9A
2 m (6.5') 4-Pin Euro Connector

4-Pin M12/Euro-Style
Straight connector models listed; for right-angle, add RA to the end of the model number (example, MQDC-406RA)

MQDC-406
2 m (6.5')
MQDC-415
5 m (15')
MQDC-430
9 m (30')

4-Pin M12/Euro-Style
Double-Ended (straight male/straight female connectors)

MQDEC-401SS-PUR
0.3 m (1')
MQDEC-403SS-PUR
1 m (3')
MQDEC-406SS-PUR
2 m (6.5')

4-Pin M12/ Euro-Style Washdown
Straight connector models only

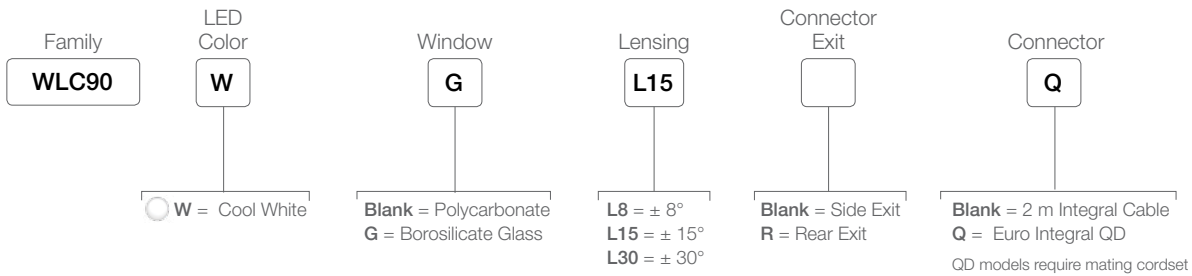
MQDC-WDSS-0406
2 m (6.5')
MQDC-WDSS-0415
5 m (15')
MQDC-WDSS-0430
9 m (30')

Additional accessories are available at bannerengineering.com



WLC90 Heavy-Duty LED Light

- Oil, chemical and water resistant with IP67, IP68g and IP69K ratings
- Vast operating temperature range internal monitoring circuit dims the LEDs to a safe level at extreme temperatures
- Three lens choices to suit many application needs
- Pan-and-tilt brackets for versatile mounting to direct the light in any direction
- Models have three discrete intensity level settings

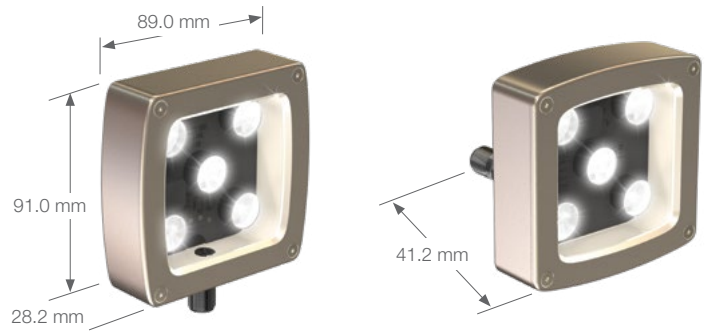


DIMMABLE MODELS—
pages 40

Supply Voltage	12 to 30 V dc
Construction	Housing: Nickel-plate aluminum Window: polycarbonate or borosilicate glass
Environmental Rating	Rated IEC IP68, IP68g, IP69K per DIN 40050
Operating Temperature	-40 to +70 °C (-40 to +158 °F)
Certifications	

Lumens (Typical @ 25 °C)	Typical Wattage* (Watts)
Cool White	
625	8.1

*Typical operating wattage is measured at 24 V dc



Rear-Exit Models



Side-Exit Models



SMBAMS70AS

LMBWLC90PT



4-Pin M12/Euro-Style
 Straight connector models listed; for right-angle, add RA to the end of the model number (example, MQDC-406RA)

MQDC-406
2 m (6.5')
MQDC-415
5 m (15')
MQDC-430
9 m (30')



4-Pin M12/ Euro-Style Washdown
 Straight connector models only

MQDC-WDSS-0406
2 m (6.5')
MQDC-WDSS-0415
5 m (15')
MQDC-WDSS-0430
9 m (30')



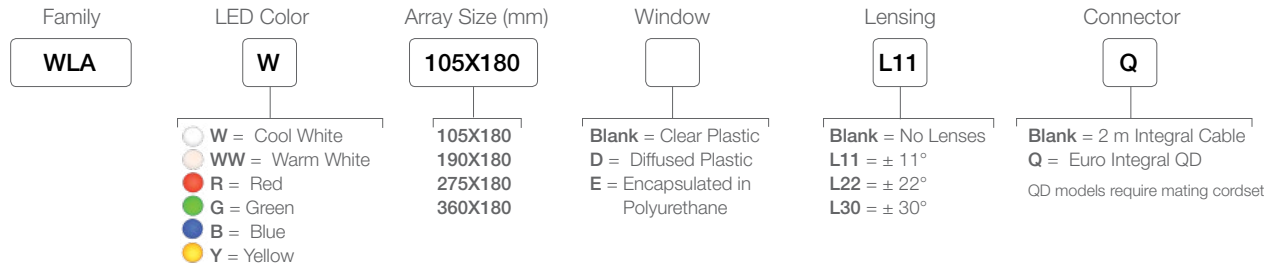
PSD-24-4
 Class 2 Power Supply
 Input: 90-264 V ac 1.5A
 Output: 24 V dc 3.9A
 2 m (6.5') 4-Pin Euro Connector

Additional accessories are available at bannerengineering.com



WLA LED Area Lights

- High power solid state LED array with cool white, warm white, red, green, blue or yellow light
- Illuminates a large area with an even pattern of light and no shadows
- Available in four sizes
- Designed for area and machine lighting
- Rugged thermoplastic housing rated to IP69K
- Lensed models provide a concentrated, intense light beam
- Cabled and Quick Disconnect models available



DIMMABLE MODELS—
pages 40

Supply Voltage | 12 to 30 V dc

Construction | Housing: PBT
Window: Acrylic or polyurethane
Connector: Nickel-plated brass or PVC-jacketed cable

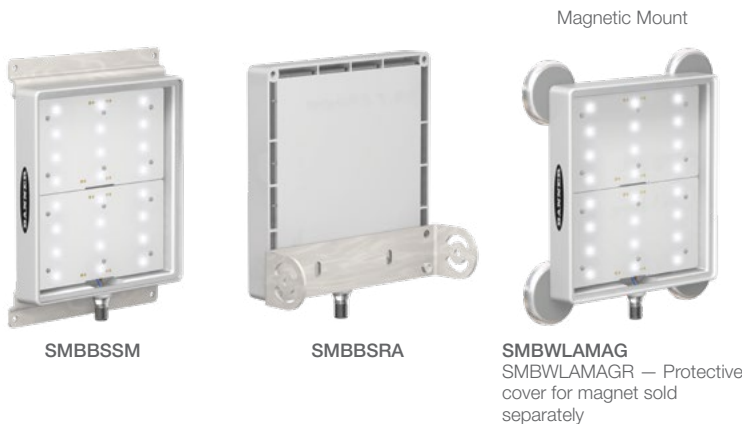
Environmental Rating | Rated IEC IP67 and IP69K, per DIN 40050

Operating Temperature | -20 to +50 °C (-4 to +122 °F)

Certifications | Encapsulated models not UL listed

Size (mm)	Lumens* (Typical @ 25 °C)						Typical Wattage** (Watts)
	Cool White	Warm White	Red	Green	Blue	Yellow	
105x180	550	435	125	325	95	275	9.6
190x180	1100	870	250	650	190	550	19.2
275x180	1650	1305	375	975	285	825	28.8
360x180	2200	1740	500	1300	380	1100	38.4

* Lumen values lowered by 35% on diffused window models
**Typical operating wattage is measured at 24 V dc



4-Pin M12/Euro-Style
Straight connector models listed; for right-angle, add RA to the end of the model number (example, MQDC-406RA)

MQDC-406
2 m (6.5')

MQDC-415
5 m (15')

MQDC-430
9 m (30')

4-Pin M12/ Euro-Style Washdown
Straight connector models only

MQDC-WDSS-0406
2 m (6.5')

MQDC-WDSS-0415
5 m (15')

MQDC-WDSS-0430
9 m (30')



PSD-24-4
Class 2 Power Supply
Input: 90-264 V ac 1.5A
Output: 24 V dc 3.9A
2 m (6.5') 4-Pin Euro Connector

Additional accessories are available at bannerengineering.com



WL50S LED Spot Lights

- Highly concentrated, focused light available in three colors (white, red, or green)
- Lenses come in three angles to cover area of concentration
- Illuminates a large area with an even pattern of light and no shadows
- 12 to 30 V dc operation
- Cabled and quick-disconnect models available
- 56 mm diameter with flat profile and 30 mm mounting base
- Rugged sealed housing rated to IP69K
- Available in a chemically resistant 316 stainless steel housing for use in harsh environments

Family
WL50S
Black
Anodized
Aluminum

LED Color
W
W = White
G = Green
R = Red

Lens Angle
L11
L5 = ±5° (small)
L11 = ±11° (large)
L20 = ±20° (largest)

Connector
Q
Blank = 2 m Integral Cable
Q = Euro Integral QD
QD models require mating cordset

Family
WL50S
Stainless
Steel

LED Color
W
W = White
G = Green
R = Red

Housing
SS
SS = Stainless
Steel

Window Material
G
Blank = Acrylic
G = Glass

Lens Angle
L11
L5 = ±5° (small)
L11 = ±11° (large)
L20 = ±20° (largest)

Connector
Q
Q = Euro Integral QD
QD models require mating cordset


Dimmable
Models—
pages 40

Supply Voltage 12 to 30 V dc

Construction Housing: Black anodized aluminum or Stainless Steel with FDA-grade silicone gasket and Viton® o-ring seal
Window: Polycarbonate or glass window
Connector: Nickel-plated QD connector or PVC-jacketed cable
Mounting Nut: Black zinc-plated steel or Stainless Steel mounting nut

Environmental Rating IEC IP67, IP69K per DIN 40050

Operating Temperature -20 to +50 °C (-4 to +122 °F)

Certifications 



Lens	Lumens (Typical @ 25 °C)			Typical Wattage* (Watts)
	Cool White	Green	Red	
±5°	295	210	110	4.3
±11°	285	200	105	
±20°	270	190	100	

*Typical operating wattage is measured at 24 V dc



4-Pin M12/Euro-Style
Straight connector models listed; for right-angle, add RA to the end of the model number (example, MQDC-406RA)

MQDC-406 2 m (6.5')
MQDC-415 5 m (15')
MQDC-430 9 m (30')

4-Pin M12/ Euro-Style Washdown
Straight connector models only

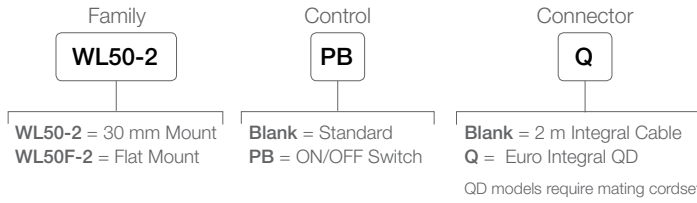
MQDC-WDSS-0406 2 m (6.5')
MQDC-WDSS-0415 5 m (15')
MQDC-WDSS-0430 9 m (30')

Additional accessories are available at bannerengineering.com






WL50-2 LED Work Lights

- Designed for enclosure or area lighting use with an optional flex arm mount for adjustable, industrial task lighting
- Standard or push-button models available
- Flat-mount or 30 mm base-mount models available
- Rugged, sealed polycarbonate housing rated to IP69K (standard models) or IP67 (push-button models)
- 12 to 30 V dc operation
- Cabled and quick-disconnect models available
- Low power consumption less than 3 watts



Dimmable
Models—
pages 40

Supply Voltage	12 to 30 V dc
Construction	Housing: Polycarbonate Connector: Nickel-plated brass or PVC-jacketed cable
Environmental Rating	Standard Models: IP69K per DIN 40050 Push-Button Models: IEC IP67
Operating Temperature	-40 to +50 °C (-40 to +122 °F)
Certifications	  



Lumens (Typical @ 25 °C)	Typical Wattage* (Watts)
Cool White	
185	2.4

*Typical operating wattage is measured at 24 V dc

Mounting Options for Flat Mount Models



VELCRO® Brand
VELCOIN® Fasteners
(included)

Mounting Options for 30 mm Mount Models



FLX18 Flex Arm Mounts
See page 42 for more information



**4-Pin M12/
Euro-Style**
straight connector models listed;
for right-angle models, add RA
to the end of the model number
(example, MQDC-406RA)

MQDC-406
2 m (6.5')
MQDC-415
5 m (15')
MQDC-430
9 m (30')

Additional accessories are available at bannerengineering.com



LC6P1T shown



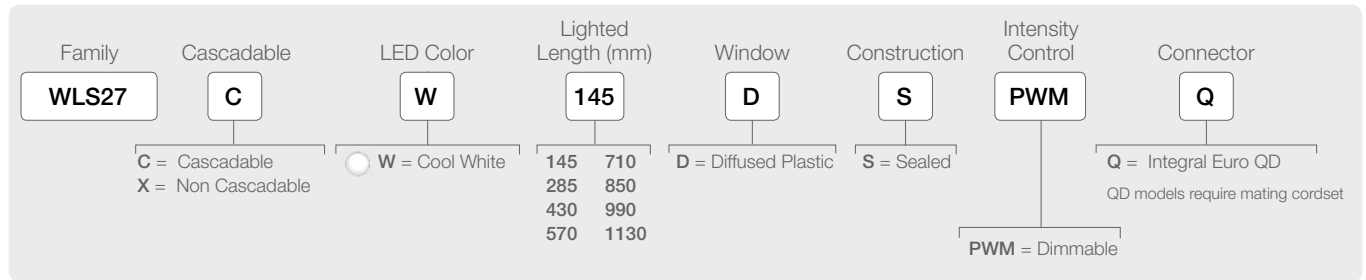
LED Dimming Controller & Dimmable LED Lights

- Works with special models of the strip lights, heavy-duty lights, area lights, spot lights and work lights
- High-frequency modulation allows for precise intensity control and flicker-free illumination
- Allows for control of multiple lights with one module
- LED Pulse-Width Modulation (PWM) versions of LED lights can be controlled by other PWM output devices as well as Banner's controller
- Ability to control intensity from zero to 100 percent to suit the level required for the application
- Helps further increase energy savings, helping to reduce overall energy costs

WLS27 LED Strip Lights



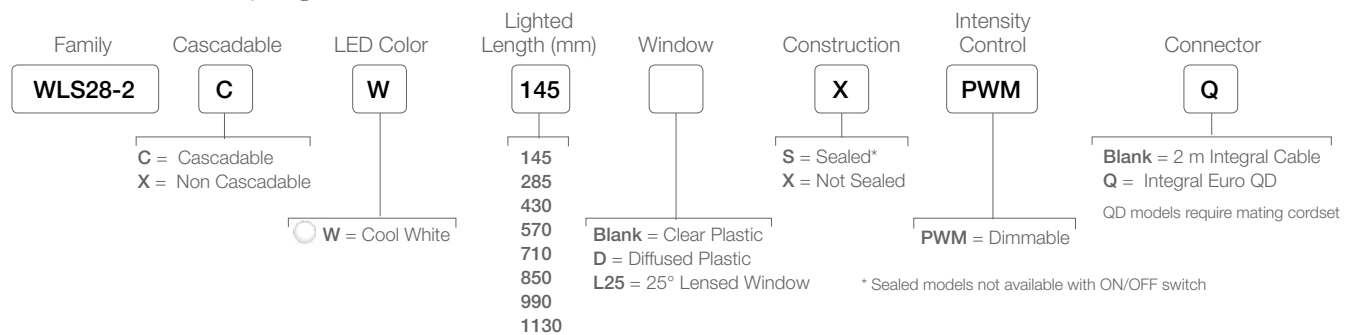
page 26



WLS28-2 LED Strip Lights



page 16



WLB92 DC Models



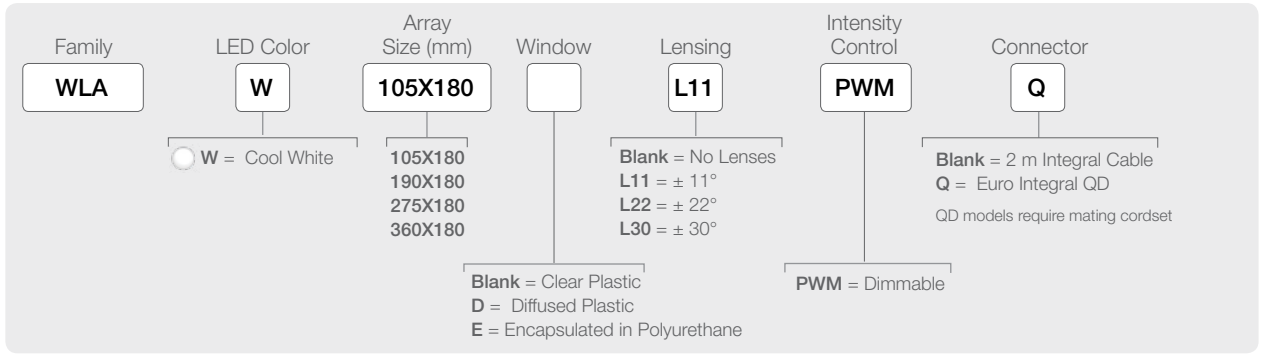
page 24





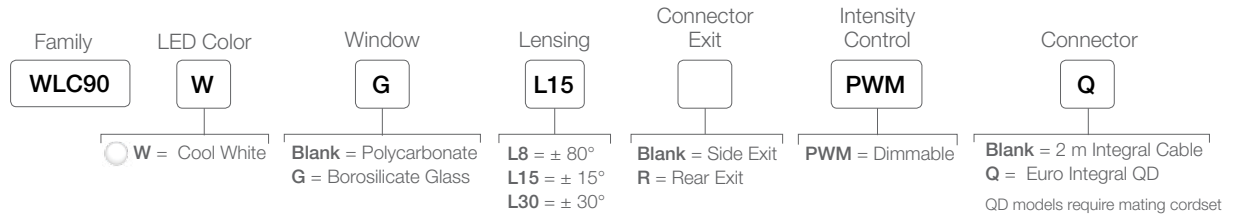
page 34

WLA LED Area Lights



page 32

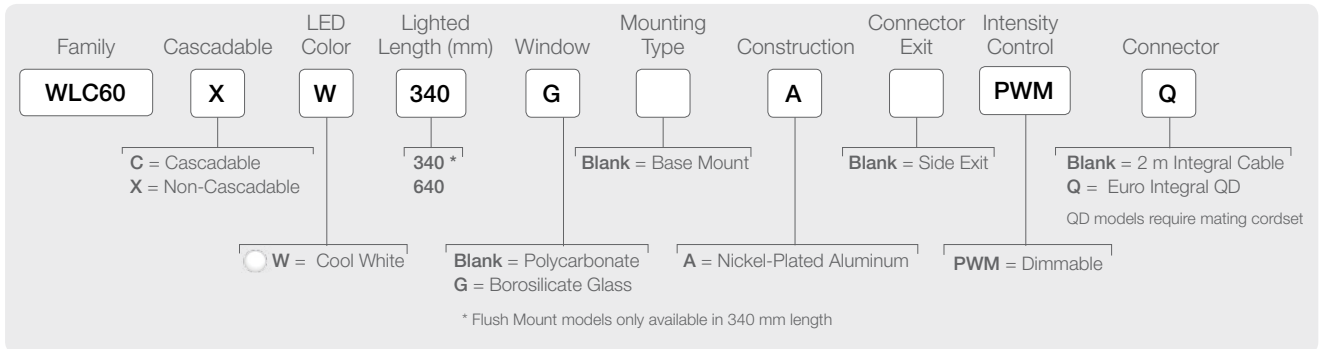
WLC90 Heavy-Duty LED Light



WLC60 Heavy-Duty LED Light



page 30



page 36





















page 38

WL50S and WL50-2 also have the PWM option available. Contact factory for more information.



Flex Arm

- Versatile mounting options including magnetic mount, clamp mount and flange mount
- Vinyl coated to protect against moisture
- Adjustable arm allows for easy repositioning of light to suit many application needs
- Concentrate light exactly where needed
- Portability with magnetic and clamp mount options
- Available for use with spot lights, work lights and vision spot lights

Models	Base Connection	Light Connection	Brackets		
FLX18-1212	 1/2-14 NPSM	 1/2-14 NPSM (Male) Use with: WL50-2 WL50-2PB	 SMB22	 SMBFLXMAG	 LMB12RA
FLX18-F12	 3-Hole Flange	 1/2-14 NPSM (Male) Use with: WL50-2 WL50-2PB	Direct Mount		
FLX18-12M30	 1/2-14 NPSM	 M30 x 1.5 (Female) Use with: WL50-2 WL50-2PB WL50S	 SMB22	 SMBFLXMAG	 LMBE12RA
FLX18-DM30	 2 x 1/4-20W 1.375 spacing	 M30 x 1.5 (Female) Use with: WL50-2 WL50-2PB WL50S	 SMBFLXCLAMP	 SMBFLXMAGD	
FLX18-FM30	 3-Hole Flange	 M30 x 1.5 (Female) Use with: WL50-2 WL50-2PB WL50S	Direct Mount		

