

LED Product Solutions



Sentry
ELECTRIC

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Product Bulletin

SBP-LED Battery Park Luminaire

The SBP-LED Battery Park luminaire evokes the historical theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, downtime, and various costs associated with today's sustainable initiatives.

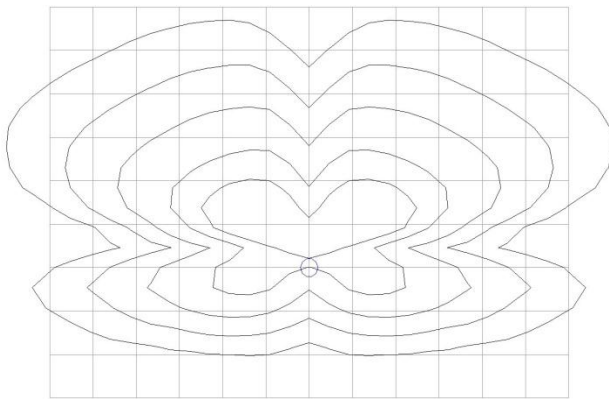
At the heart of SBP-LED is the SPR reflector system, which works in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.

Sentry Electric's innovative SPR reflector system provides several light distributions to satisfy a multitude of application needs. The SPR5 delivers a symmetric Type V distribution. For asymmetric requirements, three standard distributions are available. A Type III and III W offer classical Type III patterns. The version with Backlight Reduction (BLR) minimizes light output on the house side, and directs more light onto the street side. BLR cuts house side lighting by approximately 35%, and helps the user meet stringent light trespass requirements.



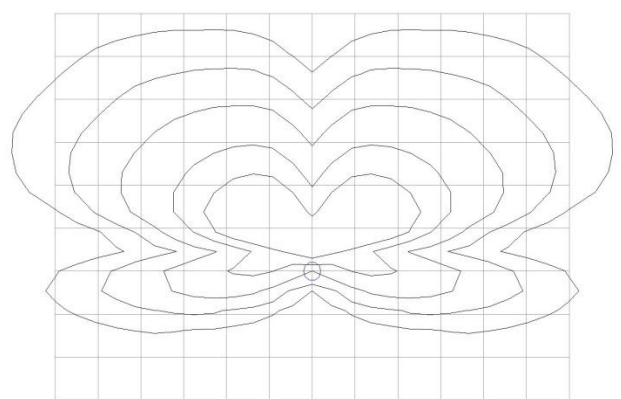
SBP Battery Park luminaire shown with LED module and driver

Standard Type III Distribution



Standard Type III distribution contributes to the illumination of sidewalks, building facades, and other house side objects.

Type III Distribution with Backlight Reduction



Backlight Reduction reduces house side lighting, increases street side lighting, and helps to minimize light trespass.

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)	Bug Rating
49LEDHBM	53	Type III	3650	69	B1-U3-G2
		Type III w/BLR	3498	66	B1-U3-G2
		Type III W	3940	74	B2-U3-G3
		Type V	3947	74	B2-U3-G2
33LEDHBM	35	Type III	2433	69	B1-U3-G2
		Type III w/BLR	2332	66	B1-U3-G2
		Type III W	2627	74	B2-U3-G3
		Type V	2631	74	B2-U3-G2
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)			
CRI		70			
Color Temperature		4000K, 5700K			
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance			
Moisture Rating		Fixture: IP66 Available Driver: Dry and Damp Location			
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.			
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, 			

Note: Values shown are initial.

Ordering Information:

Model Base Light Source Color Temp Globe Material Globe Finish Distribution Options Finish
 Example: **SBP - NB - 49LEDHBM - 740 - DR - ISB - SPR3 - BPC - BK**

Model	Base	Light Source	Globe Material	Distribution	Options		
SBP	NB OB YB CB WB UB	49LEDHBM 49W LED	(blank) Polycarbonate	SPR3 Type III	BPC Button Photo Cell (Not Available with UB Base) TLR Twist Lock Receptacle (UB Base Only) IP66 IP66 (Consult factory) For lighting control and dimming options, consult factory. Finish BK Black (standard) BZ Dark Bronze FG Federal Green Consult factory for custom finishes.		
		33LEDHBM 33W LED	DR High Impact Acrylic	SPR3BLR Type III with Backlight Reduction			
				SPR3W Type III Wide			
				SPR5 Type V			
		Color Temperature		Globe Finish			
		740	4000K	(blank) Inside Scrubbed			
		757	5700K	ISB Inside Sand Blasted			
				CLR Clear			
		Consult factory for additional light source options.					

Product Bulletin

SLR-LED Riverside Luminaire

The SLR-LED Riverside luminaire, with prominent finial and decorative bas-relief around its dome, evokes the historical theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, downtime, and various costs associated with today's sustainable initiatives.

At the heart of SLR-LED is the SPR reflector system, which works in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.

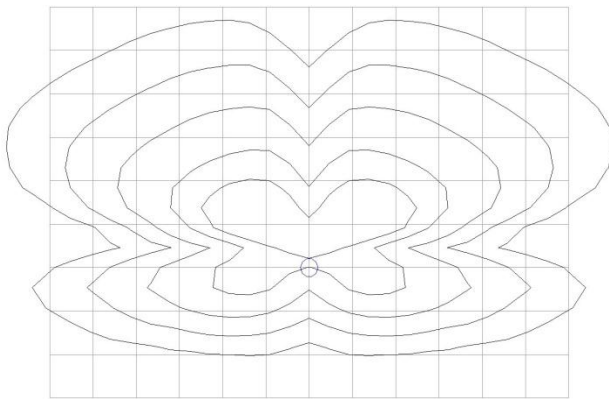
Sentry Electric's innovative SPR reflector system provides several light distributions to satisfy a multitude of application needs. The SPR5 delivers a symmetric Type V distribution.

For asymmetric requirements, three standard distributions are available. A Type III and III W offer classical Type III patterns. The version with Backlight Reduction (BLR) minimizes light output on the house side, and directs more light onto the street side. BLR cuts house side lighting by approximately 35%, and helps the user meet stringent light trespass requirements.



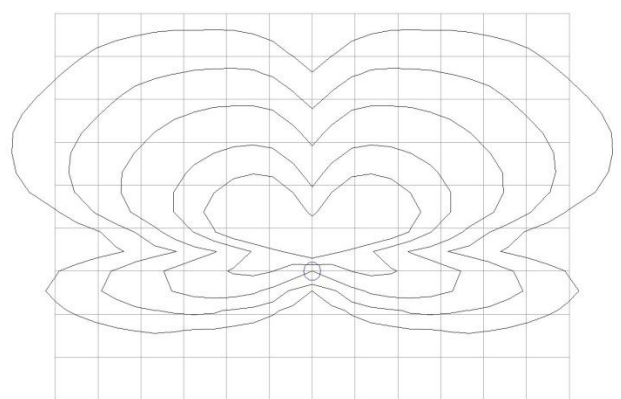
SLR Riverside luminaire shown with LED module and driver

Standard Type III Distribution



Standard Type III distribution contributes to the illumination of sidewalks, building facades, and other house side objects.

Type III Distribution with Backlight Reduction



Backlight Reduction reduces house side lighting, increases street side lighting, and helps to minimize light trespass.

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SLR-LED

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)	Bug Rating
49LEDHBM	53	Type III	3358	63	B1-U3-G2
		Type III w/BLR	3220	61	B1-U3-G2
		Type III W	3625	68	B2-U3-G3
		Type V	3735	70	B2-U3-G2
33LEDHBM	35	Type III	2239	63	B1-U3-G2
		Type III w/BLR	2147	61	B1-U3-G2
		Type III W	2417	68	B2-U3-G3
		Type V	2490	71	B2-U3-G2
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)			
CRI		70			
Color Temperature		4000K, 5700K			
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance			
Moisture Rating		Fixture: IP66 Available Driver: Dry and Damp Location			
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.			
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, 			

Note: Values shown are initial.

Ordering Information:

Model Base Light Source Color Temp Globe Material Globe Finish Distribution Options Finish
Example: **SLR - NB - 49LEDHBM - 740 - DR - ISB - SPR3 - BPC - BK**

Model	Base	Light Source		Globe Material		Distribution		Options		
SLR	NB	49LEDHBM	49W LED	(blank)	Polycarbonate	SPR3	Type III	BPC	Button Photo Cell (Not Available with UB Base)	
		OB	33LEDHBM	33W LED	DR	High Impact Acrylic	SPR3BLR			Type III with Backlight Reduction
		YB					SPR3W			Type III Wide
	CB							TLR	Twist Lock Receptacle (UB Base Only)	
	WB									
	UB									
			Color Temperature		Globe Finish		SPR5	Type V	IP66	IP66 (Consult factory)
			740	4000K	(blank)	Textured				For lighting control and dimming options, consult factory.
			757	5700K	SCR	Inside Scrubbed				
					ISB	Inside Sand Blasted				
				CLR	Clear					
		Consult factory for additional light source options.								
								Finish		
								BK	Black (standard)	
								BZ	Dark Bronze	
								FG	Federal Green	
								Consult factory for custom finishes		

Product Bulletin

SCP-LED Central Park Luminaire

The SCP-LED luminaire evokes the historical theme of New York's famed Central Park while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, downtime, and various costs associated with today's sustainable initiatives.

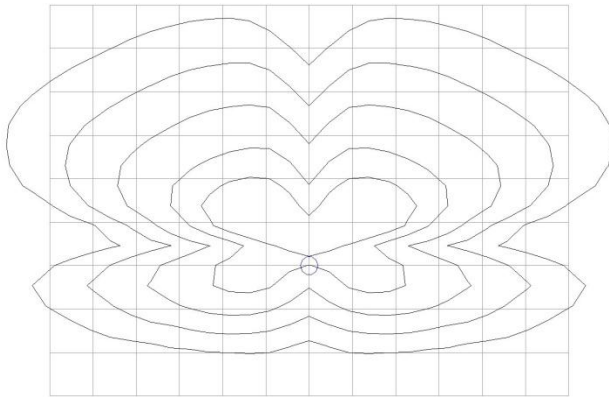
At the heart of SCP-LED is the SPR reflector system, which works in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.

Sentry Electric's innovative SPR reflector system provides several light distributions to satisfy a multitude of application needs. The SPR5 delivers a symmetric Type V distribution. For asymmetric requirements, three standard distributions are available. A Type III and III W offer classical Type III patterns. The version with Backlight Reduction (BLR) minimizes light output on the house side, and directs more light onto the street side. BLR cuts house side lighting by approximately 35%, and helps the user meet stringent light trespass requirements.



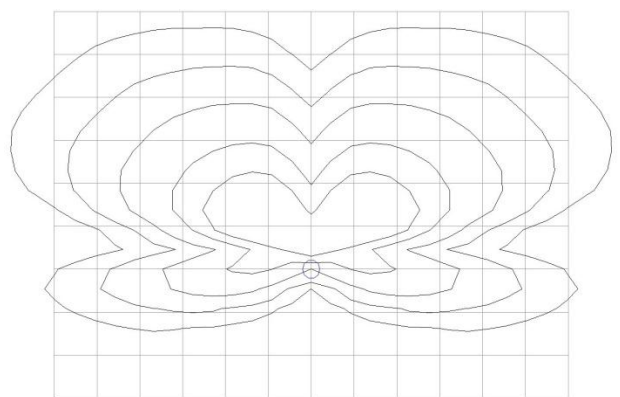
SCP Central Park luminaire shown with LED module and driver

Standard Type III Distribution



Standard Type III distribution contributes to the illumination of sidewalks, building facades, and other house side objects.

Type III Distribution with Backlight Reduction



Backlight Reduction reduces house side lighting, increases street side lighting, and helps to minimize light trespass.

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SCP-LED

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)	Bug Rating
49LEDHBM	53	Type III	3386	64	B1-U3-G2
		Type III w/BLR	3239	61	B1-U3-G2
		Type III W	3654	69	B2-U3-G3
		Type V	3818	72	B2-U3-G2
33LEDHBM	35	Type III	2257	64	B1-U3-G2
		Type III w/BLR	2159	61	B1-U3-G2
		Type III W	2436	69	B2-U3-G3
		Type V	2545	72	B2-U3-G2
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)			
CRI		70			
Color Temperature		4000K, 5700K			
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance			
Moisture Rating		Fixture: IP66 Available Driver: Dry and Damp Location			
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.			
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, 			

Note: Values shown are initial.

Ordering Information:

Example: **SCP - NB - 49LEDHBM - 740 - DR - ISB - SPR3 - BPC - BK**

Model Base Light Source Color Temp Globe Material Globe Finish Distribution Options Finish

Model	Base	Light Source	Globe Material	Distribution	Options
SCP	NB	49LEDHBM 49W LED	(blank) Polycarbonate	SPR3 Type III	BPC Button Photo Cell (Not Available with UB Base)
	OB	33LEDHBM 33W LED	DR High Impact Acrylic	SPR3BLR Type III with Backlight Reduction	TLR Twist Lock Receptacle (UB Base Only)
	YB			SPR3W Type III Wide	
	CB				
	WB				
	UB				
	Color Temperature		Globe Finish		SPR5 Type V
	740	4000K	(blank) Inside Scrubbed		For lighting control and dimming options, consult factory.
	757	5700K	ISB Inside Sand Blasted CLR Clear		
Finish					
BK Black (standard)					
BZ Dark Bronze					
FG Federal Green					
Consult factory for custom finishes.					
Consult factory for additional light source options.					

Product Bulletin

SIV-LED Irvine Luminaire

The SIV-LED Irvine luminaire, with interlaced hoops and smooth dome top, evokes the historical theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, down time, and various costs associated with today's sustainable initiatives.

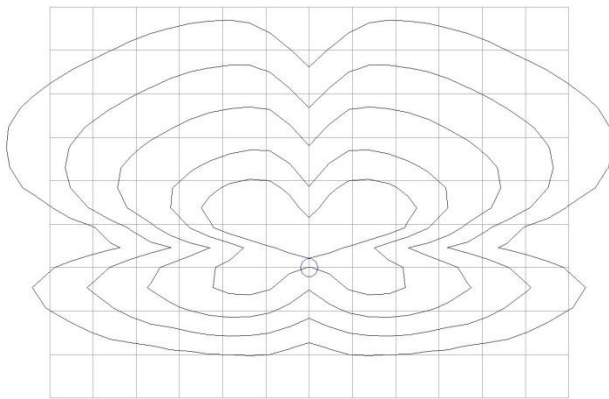
At the heart of SIV-LED is the SPR reflector system, which works in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.

Sentry Electric's innovative SPR reflector system provides several light distributions to satisfy a multitude of application needs. The SPR5 delivers a symmetric Type V distribution. For asymmetric requirements, three standard distributions are available. A Type III and III W offer classical Type III patterns. The version with Backlight Reduction (BLR) minimizes light output on the house side, and directs more light onto the street side. BLR cuts house side lighting by approximately 35%, and helps the user meet stringent light trespass requirements.



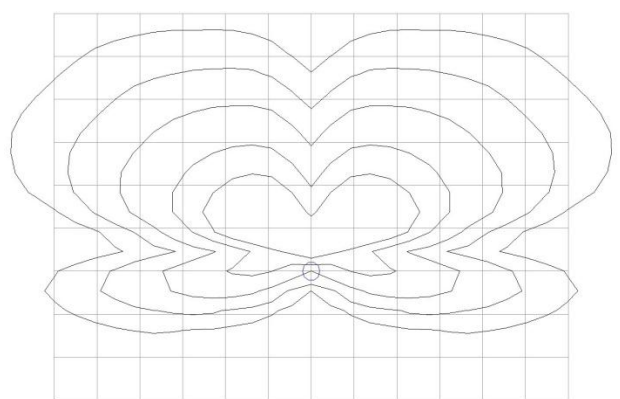
SIV Irvine luminaire shown with LED module and driver

Standard Type III Distribution



Standard Type III distribution contributes to the illumination of sidewalks, building facades, and other house side objects.

Type III Distribution with Backlight Reduction



Backlight Reduction reduces house side lighting, increases street side lighting, and helps to minimize light trespass.

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SIV-LED

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)	Bug Rating
49LEDHBM	53	Type III	3386	64	B1-U3-G2
		Type III w/BLR	3239	61	B1-U3-G2
		Type III W	3654	69	B2-U3-G3
		Type V	3818	72	B2-U3-G2
33LEDHBM	35	Type III	2257	64	B1-U3-G2
		Type III w/BLR	2159	61	B1-U3-G2
		Type III W	2436	69	B2-U3-G3
		Type V	2545	72	B2-U3-G2
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)			
CRI		70			
Color Temperature		4000K, 5700K			
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance			
Moisture Rating		Fixture: IP66 Available Driver: Dry and Damp Location			
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.			
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, 			

Note: Values shown are initial.

Ordering Information:

Example: **SIV - IB - 49LEDHBM - 740 - DR - ISB - SPR3 - BPC - BK**

Model	Base	Light Source	Globe Material	Distribution	Options
SIV	IB	49LEDHBM 49W LED	(blank) Polycarbonate	SPR3 Type III	BPC Button Photo Cell (Not Available w/ UB Base)
		NB 33LEDHBM 33W LED	DR High Impact Acrylic		
	OB		SPR3BLR Type III with Backlight Reduction	TLR Twist Lock Receptacle (UB Base Only)	
	YB		SPR3W Type III Wide		
	CB				
	WB				
	UB	Color Temperature	Globe Finish	SPR5 Type V	IP66 IP66 (Consult factory)
	740	4000K	(blank) Inside Scrubbed		For lighting control and dimming options, consult factory.
	757	5700K	ISB Inside Sand Blasted		
			CLR Clear		
		Consult factory for additional light source options.		Finish	
				BK Black (standard)	
				BZ Dark Bronze	
				FG Federal Green	
				Consult factory for custom finishes.	

Product Bulletin

SBN-LED Binghamton Luminaire

Designed specifically for the central New York city whose name it bears, the elegant SBN-LED Binghamton luminaire evokes the historical theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, downtime, and various costs associated with today's sustainable initiatives.

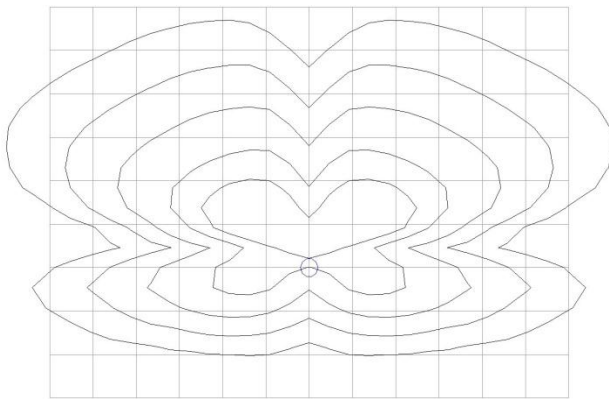
At the heart of SBN-LED is the SPR reflector system, which works in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.

Sentry Electric's innovative SPR reflector system provides several light distributions to satisfy a multitude of application needs. The SPR5 delivers a symmetric Type V distribution. For asymmetric requirements, three standard distributions are available. A Type III and III W offer classical Type III patterns. The version with Backlight Reduction (BLR) minimizes light output on the house side, and directs more light onto the street side. BLR cuts house side lighting by approximately 35%, and helps the user meet stringent light trespass requirements.



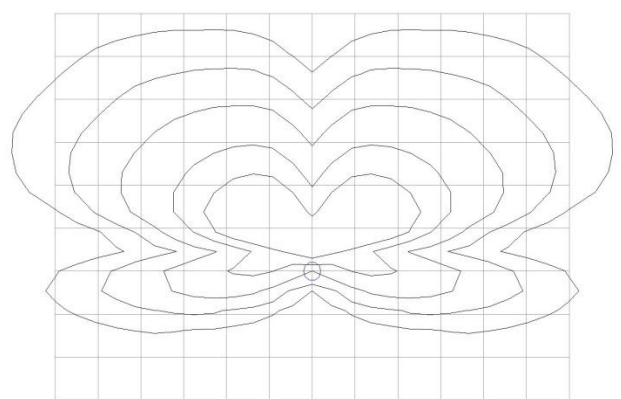
SBN Binghamton luminaire shown with LED module and driver

Standard Type III Distribution



Standard Type III distribution contributes to the illumination of sidewalks, building facades, and other house side objects.

Type III Distribution with Backlight Reduction



Backlight Reduction reduces house side lighting, increases street side lighting, and helps to minimize light trespass.

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SBN-LED

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)	Bug Rating
49LEDHBM	53	Type III	3650	69	B1-U3-G2
		Type III w/BLR	3498	66	B1-U3-G2
		Type III W	3940	74	B2-U3-G3
		Type V	3947	74	B2-U3-G2
33LEDHBM	35	Type III	2433	69	B1-U3-G2
		Type III w/BLR	2332	66	B1-U3-G2
		Type III W	2627	74	B2-U3-G3
		Type V	2631	74	B2-U3-G2
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)			
CRI		70			
Color Temperature		4000K, 5700K			
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance			
Moisture Rating		Fixture: IP66 Available Driver: Dry and Damp Location			
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.			
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, 			

Note: Values shown are initial.

Ordering Information:

Model Base Light Source Color Temp Globe Material Globe Finish Distribution Options Finish
Example: **SBN - NB - 49LEDHBM - 740 - DR - ISB - SPR3 - BPC - BK**

Model	Base	Light Source	Globe Material	Distribution	Options
SBN	NB	49LEDHBM 49W LED	(blank) Polycarbonate	SPR3 Type III	BPC Button Photo Cell (Not Available with UB Base)
	OB	33LEDHBM 33W LED	DR High Impact Acrylic	SPR3BLR Type III with Backlight Reduction	TLR Twist Lock Receptacle (UB Base Only)
	YB			SPR3W Type III Wide	
	CB			SPR5 Type V	IP66 IP66 (Consult factory)
	WB				For lighting control and dimming options, consult factory.
	UB				
		Color Temperature	Globe Finish		Finish
		740 4000K	(blank) Inside Scrubbed		BK Black (standard)
		757 5700K	ISB Inside Sand Blasted		BZ Dark Bronze
			CLR Clear		FG Federal Green
		Consult factory for additional light source options.			Consult factory for custom finishes.

Product Bulletin

SCT-LED Hartford Luminaire

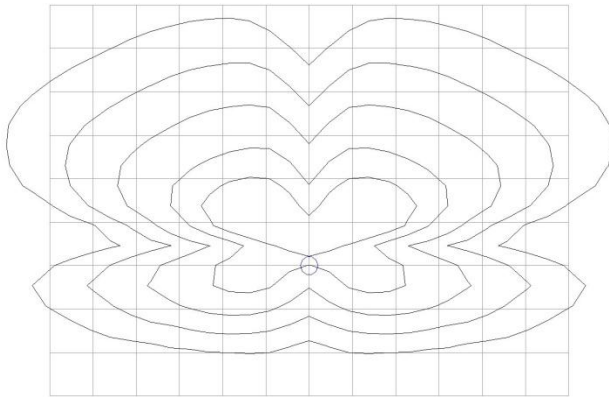
The SCT-LED Hartford luminaire, with distinctive dome to emulate the golden dome of the Connecticut State Capitol, evokes the historical theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, down time, and various costs associated with today's sustainable initiatives.

At the heart of SCT-LED is the SPR reflector system, which works in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.

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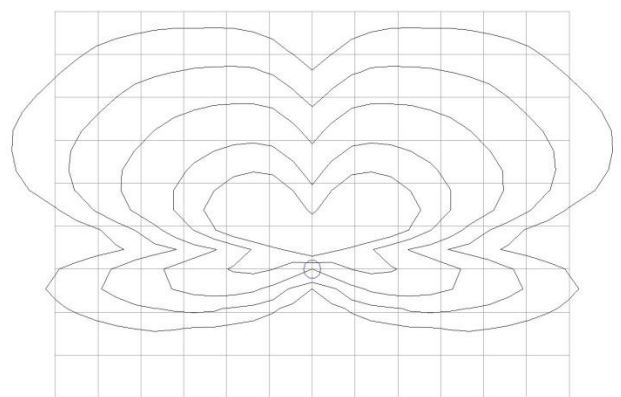


Standard Type III Distribution



Standard Type III distribution contributes to the illumination of sidewalks, building facades, and other house side objects.

Type III Distribution with Backlight Reduction



Backlight Reduction reduces house side lighting, increases street side lighting, and helps to minimize light trespass.

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SCT-LED

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)	Bug Rating
49LEDHBM	53	Type III	3650	69	B1-U3-G2
		Type III w/BLR	3498	66	B1-U3-G2
		Type III W	3940	74	B2-U3-G3
		Type V	3947	74	B2-U3-G2
33LEDHBM	35	Type III	2433	69	B1-U3-G2
		Type III w/BLR	2332	66	B1-U3-G2
		Type III W	2627	74	B2-U3-G3
		Type V	2631	74	B2-U3-G2
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)			
CRI		70			
Color Temperature		4000K, 5700K			
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance			
Moisture Rating		Fixture: IP66 Available Driver: Dry and Damp Location			
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.			
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, 			

Note: Values shown are initial.

Ordering Information:

Model Base Light Source Color Temp Globe Material Globe Finish Distribution Options Finish
 Example: **SCT - NB - 49LEDHBM - 740 - DR - ISB - SPR3 - BPC - BK**

Model	Base	Light Source	Globe Material	Distribution	Options			
SCT	NB	49LEDHBM 49W LED	(blank) Polycarbonate	SPR3 Type III	BPC Button Photo Cell (Not Available with UB Base)			
			DR High Impact Acrylic	SPR3BLR Type III with Backlight Reduction				
		Color Temperature	Globe Finish	SPR3W Type III Wide		SPR5 Type V	TLR Twist Lock Receptacle (UB Base Only)	
							740 4000K (blank) Inside Scrubbed	IP66 IP66 (Consult factory)
							757 5700K ISB Inside Sand Blasted	
	Consult factory for additional light source options.					CLR Clear	For lighting control and dimming options, consult factory.	
						Finish		
						BK Black (standard)		
						BZ Dark Bronze		
						FG Federal Green		
					Consult factory for custom finishes.			

Product Bulletin

SLH-LED Hamlet Luminaire

The SLH Hamlet LED luminaire delivers the performance and value that are so vital to meeting both current and emerging customer requirements. Multiple light source and distribution options deliver energy reduction, maintenance reduction, improved optical control, and component reliability – hallmarks of today’s sustainability and regulatory environment.

Superior Optical Control

SLH-LED’s optical control system is an intricate design involving a downward facing light engine, conical specular reflector, and a prismatic refractor. The result is comfortable, pleasing, indirect light, which negates the harshness that is normally associated with poorly designed LED sources. This makes SLH-LED ideal for street lighting, area lighting, and architectural applications.

Easy-To-Install Retrofit Kit

SLH-LED also offers a retrofit kit to upgrade previously installed Hamlet luminaires containing HID lamp sources. A unitized, prewired assembly that consists of the reflector system, light engine, and driver, simply drops into the existing luminaire. Performance is never compromised in retrofit applications, as the retrofit kit utilizes the exact same components and optical system as a factory-assembled luminaire.

Feature-Rich, Reliable Electronic Components

The SLH Hamlet LED luminaire utilizes Fortimo LED High Brightness Modules and Xitanium drivers from Philips. Operational features include:

- Compliance with Zhaga design criteria.
- A self-regulating thermal protection system that safeguards the electronic system components.
- Factory programming of the lumen output in order to regulate energy consumption.
- Constant light output to maintain fixture performance for the life of the components.
- Dimming utilizing standard 0 to 10V systems, step dimming, DALI, or “hi-lo” to provide energy savings.
- Remote monitoring, reporting and networking to reduce service costs.



SLH Hamlet luminaire shown with LED module and driver

Specifications

Light Source & Distribution	Luminous Flux (Lumens)	Efficacy (lm/W)
49LEDHBM-740-III	3954	75
49LEDHBM-757-III		
49LEDHBM-740-V	4102	77
49LEDHBM-757-V		
33LEDHBM-740-III	2636	75
33LEDHBM-757-III		
33LEDHBM-740-V	2734	77
33LEDHBM-757-V		
Ambient Temp.	-40° C min to 35° C max	
CRI	70	
Rated Life (L85B50) @ 30°C Ambient Temp.	50,000 Hours at 85% lumen maintenance	
Optical Distribution	Type III & V	
Moisture Rating	Driver: Damp Location	
Surge Protection	Current rating 20kA using 8/20 μSec wave. ANSI/IEEE Category C3.	

Note: Values shown are initial; LM 79 pending.



SLH-LED

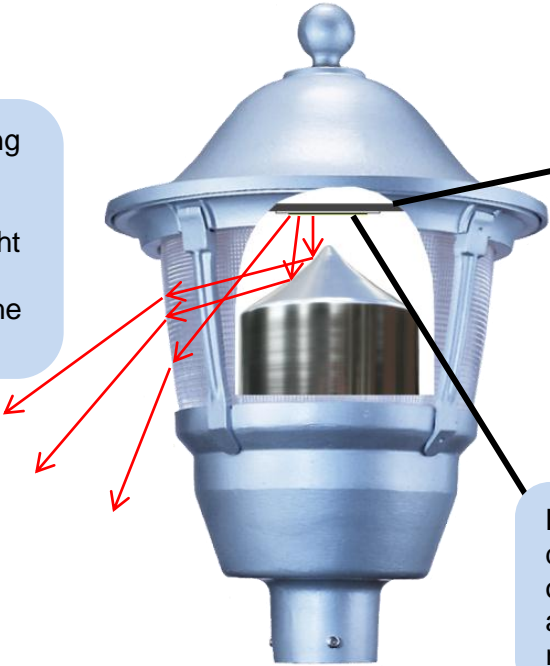
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Optical system, consisting of LED engine, specular reflector, and prismatic refractor, controls the light distribution and provides comfortable viewing of the luminaire.



Thermal management system entails internal heat sink in combination with cast aluminum luminaire body.

LED engine is positioned directly on the heat sink, optimizing heat dissipation and ensuring long-term reliability.

Ordering Information:

Luminaire

Example: Model **SLH** - Light Source **49LEDHBM** - Color Temp **740** - Distribution **III** - Globe Material **DR** - Options **BPC** - Finish **BK**

Model	Light Source	Color Temperature	Distribution	Options	Finish
SLH	49LEDHBM 49W LED	740 4000K	III Refractive Globe, Type III	NF No Finial	BK Black (standard)
	33LEDHBM 33W LED	757 5700K	V Refractive Globe, Type V	TLR Twist Lock Receptacle	BZ Dark Bronze
	Consult factory for additional light source options.		Globe Material		BPC Button Photo Cell
			(blank) High Impact Acrylic PC Polycarbonate		GR Gray
					Consult factory for custom finishes.

Retrofit Kit

Example: Light Source **49LEDHBM** - Color Temp **740** - Model **SLH-RETRO KIT**

Light Source	Color Temperature	Model
49LEDHBM 49W LED	740 4000K	SLH-RETRO KIT
33LEDHBM 33W LED	757 5700K	

Product Bulletin

SOB-LED Oysterbay Luminaire

The SOB Oysterbay LED luminaire delivers the performance and value that are so vital to meeting both current and emerging customer requirements. Multiple light source and distribution options deliver energy reduction, maintenance reduction, improved optical control, and component reliability – hallmarks of today's sustainability and regulatory environment.

Superior Optical Control

SOB-LED's optical control system is an intricate design involving a downward facing light engine, conical specular reflector, and a prismatic refractor. The result is comfortable, pleasing, indirect light, which negates the harshness that is normally associated with poorly designed LED sources. This makes SOB-LED ideal for street lighting, area lighting, and architectural applications.

Easy-To-Install Retrofit Kit

SOB-LED also offers a retrofit kit to upgrade previously installed Oysterbay luminaires containing HID lamp sources. A unitized, prewired assembly that consists of the reflector system, light engine, and driver, simply drops into the existing luminaire. Performance is never compromised in retrofit applications, as the retrofit kit utilizes the exact same components and optical system as a factory-assembled luminaire.

Feature-Rich, Reliable Electronic Components

The SOB Oysterbay LED luminaire utilizes Fortimo LED High Brightness Modules and Xitanium drivers from Philips. Operational and optional features include:

- Compliance with Zhaga design criteria.
- A self-regulating thermal protection system that safeguards the electronic system components.
- Factory programming of the lumen output in order to regulate energy consumption.
- Constant light output to maintain fixture performance for the life of the components.
- Dimming utilizing standard 0 to 10V systems, step dimming, DALI, or "hi-lo" to provide energy savings.
- Remote monitoring, reporting and networking to reduce service costs.



Specifications

Light Source & Distribution	Luminous Flux (Lumens)	Efficacy (lm/W)
49LEDHBM-740-III	3954	75
49LEDHBM-757-III		
49LEDHBM-740-V	4102	77
49LEDHBM-757-V		
33LEDHBM-740-III	2636	75
33LEDHBM-757-III		
33LEDHBM-740-V	2734	77
33LEDHBM-757-V		
Ambient Temp.	-40° C min to 35° C max	
CRI	70	
Rated Life (L85B50) @ 30°C Ambient Temp.	50,000 Hours at 85% lumen maintenance	
Optical Distribution	Type III & V	
Moisture Rating	Driver: Damp Location	
Surge Protection	Current rating 20kA using 8/20 μSec wave. ANSI/IEEE Category C3.	

Note: Values shown are initial; LM 79 pending.

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SOB-LED

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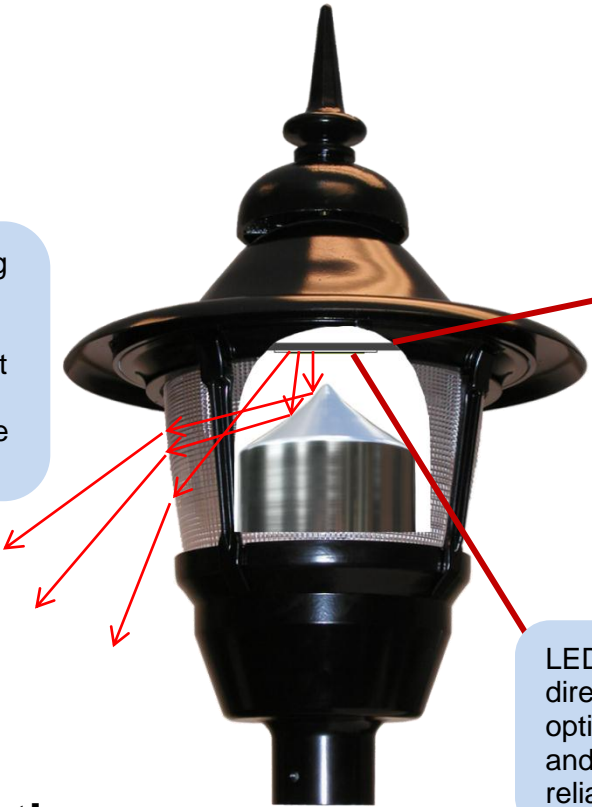
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Optical system, consisting of LED engine, specular reflector, and prismatic refractor, controls the light distribution and provides comfortable viewing of the luminaire.



Thermal management system entails internal heat sink in combination with cast aluminum luminaire body.

LED engine is positioned directly on the heat sink, optimizing heat dissipation and ensuring long-term reliability.

Ordering Information:

Luminaire

Example: **Model** SOB - **Light Source** 49LEDHBM - **Color Temp** 740 - **Distribution** III - **Globe Material** DR - **Options** BPC - **Finish** BK

Model	Light Source	Color Temperature	Distribution	Options	Finish
SOB	49LEDHBM	49W LED 740 4000K	III Refractive Globe, Type III	BPC Button Photo Cell	BK Black (standard)
	33LEDHBM	33W LED 757 5700K	V Refractive Globe, Type V		BZ Dark Bronze
	Consult factory for additional light source options.		Globe Material		FG Federal Green
			(blank) High Impact Acrylic PC Polycarbonate		GR Gray Consult factory for custom finishes.

Retrofit Kit

Example: **Light Source** 49LEDHBM - **Color Temp** 740 - **Model** SLH-RETRO KIT

Light Source	Color Temperature	Model
49LEDHBM 49W LED	740 4000K	SLH-RETRO KIT
33LEDHBM 33W LED	757 5700K	

Product Bulletin

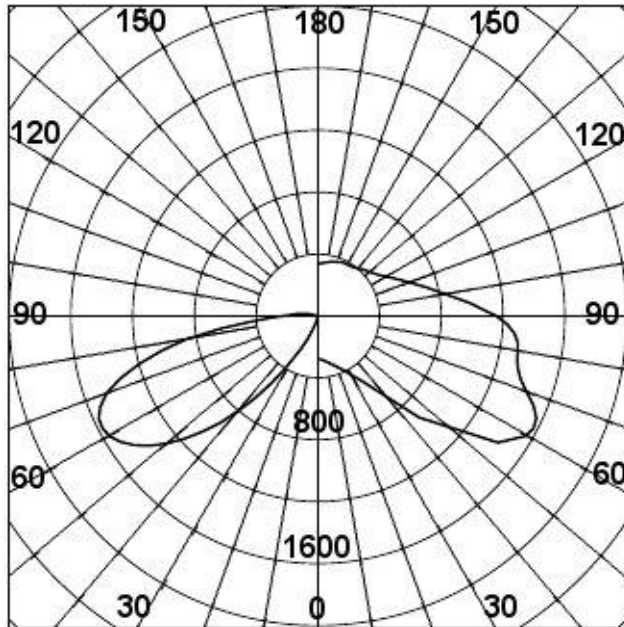
SFM-LED Flushing Meadows Park Luminaire

The SFM-LED Flushing Meadows Park luminaire, with wide brim louvers, creates a stylish, contemporary presence for many applications, including streets, parks, esplanades and plazas. With the deployment of the most current LED technology, users will realize a reduction in energy consumption, maintenance, downtime, and various costs associated with today's sustainable initiatives.

At the heart of the Flushing Meadows Park LED luminaire is Sentry's directional and refractive optics system. Downward facing LED modules work in combination with internal reflectors, specially designed lenses, and the luminaire's louvers to optimize light distribution while providing comfortable, pleasing illumination.



Specifications



Vertical angle of maximum candela 62.5°

Horizontal angle of maximum candela 62.5°

Light Source	Distribution & Globe Finish	Luminous Flux (Lumens)	Efficacy (lm/W)
(2)32LEDV18-1A-840	Type III, Scrubbed	3118	44
(2)32LEDV18-1A-840	Type III, Clear	3724	53
Ambient Temp.	-40° C min to 35° C max		
CRI	80		
Color Temperature	2700K, 3000K, 3500K, 4000K		
Rated Life (L70B50) @ 25°C Ambient Temp.	50,000 Hours at 70% lumen maintenance		
Surge Protection	Current rating 20kA using 8/20 μSec wave. ANSI/IEEE Category C3		
Driver Specifications	<ul style="list-style-type: none"> • 120-277V power supply • Compatible with 0-10V and step dimming lighting control systems • Complies with requirements of UL and CSA 		
Listing/Certification	Meets the requirements of UL 1598 for safety		

Candela Plot for SFM-(2)32LEDV18-1A-840-STLASPR3W



SFM-LED

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Ordering Information:

Example: **SFM** - **(2)32LEDV18-1A** - **840** - **SCR** - **STLA-WR** - **BPC** - **BK**

Model	Light Source	Color Temperature	Distribution	Options
SFM	(2)32LEDV18-1A 64W LED-V18, 1050mA Consult factory for additional light source options.	827 2700K	STLA-WR Type III For additional distribution choices, consult factory.	BPC Button Photo Cell
		830 3000K		
		835 3500K		
		840 4000K		
		Globe Finish		Finish
		(blank) Clear		BK Black (standard)
		SCR Scrubbed		BZ Dark Bronze
				FG Federal Green
				Consult factory for custom finishes

Product Bulletin

SUB-NL-LED Suburban Night Lighter

The SUB-NL is a perennial favorite for residential, campus, and street lighting in communities everywhere. Its classic design is reminiscent of the traditional four-sided lanterns that gave street lighting its beginnings in colonial America. This LED luminaire delivers the many benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, down time, and various costs associated with today's sustainable initiatives.

At the heart of the SUB-NL-LED is the SPR reflector system, which works in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.



SUB-NL Suburban Night Lighter shown with LED module and driver

Features

- Choices of lumen output, color temperature, and light distributions to suit multiple applications.
- LED rated life of 50,000 hours with 85% lumen maintenance.
- Driver and light engine are backed by 5-year system warranty.
- Zhaga-compliant LED module meets industry standard form-factor requirements to enable future upgrading.
- Built-In Category C3 surge protection to help ensure long-term reliability
- High gloss Super Durable polyester powder coat paint enhances the aesthetic appearance and provides a long-lasting, protective finish.
- Rugged high strength cast aluminum structure and polycarbonate panels to resist damage, weather, and the passage of time.
- Corrosion resistant stainless steel mounting hardware.
- Made in USA.

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SUB-NL-LED

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)
49LEDHBM	53	Type III	3020	57
		Type V	3360	63
33LEDHBM	35	Type III	2015	57
		Type V	2240	63
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)		
CRI		70		
Color Temperature		4000K, 5700K		
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance		
Moisture Rating		Driver: Dry and Damp Location		
Surge Protection		Surge current rating of 20 kA using standard 8/20 μSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.		
Driver Specifications		<ul style="list-style-type: none"> • Voltage sensing 120-277V power supply. • Self-sensing and self-regulating thermal protection system. • Factory programming of lumen output available. • Constant light output programming available. • Optional dimming available utilizing standard 0 to 10V systems, step dimming, DALI, AmpDim, or “hi-lo”. • Complies with the requirements of UL and CSA. 		

Note: Values shown are initial; LM 79 pending.

Ordering Information:

Example: **Model** SUB-NL - **Mounting** PM - **Light Source** 54LEDHBM - **Color Temp** 740 - **Panel Finish** CLR - **Distribution** SPR3 - **Options** TLR - **Finish** BK

Model	Mounting	Light Source	Color Temperature	Distribution	Finish
SUB-NL	(blank) Post Top Mount	49LEDHBM 49W LED	740 4000K	SPR3 Type III	BK Black (standard)
		33LEDHBM 33W LED	757 5700K	SPR3-BLR Type III w/Backlight Reduction	BZ Bronze
SUB-NL	PM Pendant Mount	Consult factory for additional light source options.		SPR3W Type III Wide	PG Park Green
				SPR5 Type V	GR Gray
		Panel Finish		Options	
		(blank) Frosted (Standard)		TLR Twist Lock Receptacle (Post Top Only)	
		CLR Clear		NF No Finial	
					Consult factory for custom finishes.

Product Bulletin

SCK-LED Clarkstown Luminaire

The SCK-LED Clarkstown luminaire is an eight-sided highly decorative lantern that mates tastefully with a variety of posts, both period and contemporary. It melds beautifully with both modern and traditional surroundings while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, down time, and various costs associated with today's sustainable initiatives.

At the heart of SCK-LED is the SPR reflector system, which works in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.



SCK Clarkstown luminaire shown with LED module and driver

Features

- Choices of lumen output, color temperature, and light distributions to suit multiple applications.
- Backlight Reduction (BLR) option reduces house side illumination by 35%, which helps the user meet stringent light trespass requirements.
- LED rated life of 50,000 hours with 85% lumen maintenance.
- Driver and light engine are backed by 5-year system warranty.
- Zhaga-compliant LED module meets industry standard form-factor requirements to enable future upgrading.
- Built-In Category C3 surge protection to help ensure long-term reliability
- High gloss Super Durable polyester powder coat paint enhances the aesthetic appearance and provides a long-lasting, protective finish.
- Rugged high strength cast aluminum structure and polycarbonate panels to resist damage, weather, and the passage of time.
- Corrosion resistant stainless steel mounting hardware.
- Made in USA.

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SCK-LED

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)
49LEDHBM	53	Type III	3020	57
		Type III w/BLR	2894	55
		Type III W	3261	62
		Type V	3360	63
33LEDHBM	35	Type III	2015	57
		Type III w/BLR	1929	55
		Type III W	2174	62
		Type V	2240	63
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)		
CRI		70		
Color Temperature		4000K, 5700K		
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance		
Moisture Rating		Driver: Dry and Damp Location		
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.		
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, step dimming, DALI, AmpDim, or "hi-lo". 		

Note: Values shown are with frosted panels; LM 79 pending.

Ordering Information:

Example: **SCK - NB - 49LEDHBM - 740 - CLR - SPR3 - BPC - BK**

Model	Base	Light Source	Color Temperature	Panel Finish	Distribution	Options	Finish
SCK	NB	49LEDHBM 49W LED	740 4000K	(blank) Frosted (Standard)	SPR3 Type III	BPC Button Photo Cell	Consult factory for additional light source options. Consult factory for custom finish. BK Black (standard) BZ Dark Bronze FG Federal Green GR Gray
	OB	33LEDHBM 33W LED	757 5700K	CLR Clear	SPR3BLR Type III with Backlight Reduction	TLR Twi st Lock Receptacle (UB Base Only)	
	YB						
	CB						
	WB						
	UB				SPR3W Type III Wide	RPC Receptacle Photo Control (For use with TLR only)	
					SPR5 Type V		

Product Bulletin

SMAL-LED Memphis Luminaire

The SMAL-LED Memphis luminaire evokes the traditional decorative post-top theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, down time, and various costs associated with today's sustainable initiatives.

At the heart of SMAL-LED is the SPR reflector system, which works in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.



SMAL Memphis luminaire shown with LED module and driver

Features

- Choices of lumen output, color temperature, and light distributions to suit multiple applications.
- Backlight Reduction (BLR) option reduces house side illumination by 35%, which helps the user meet stringent light trespass requirements.
- LED rated life of 50,000 hours with 85% lumen maintenance.
- Driver and light engine are backed by 5-year system warranty.
- Zhaga-compliant LED module meets industry standard form-factor requirements to enable future upgrading.
- Built-In Category C3 surge protection to help ensure long-term reliability
- High gloss Super Durable polyester powder coat paint enhances the aesthetic appearance and provides a long-lasting, protective finish.
- Lightweight, impact-resistant globe for ease of installation, reduced shipping costs, and repelling of would-be vandals.
- Corrosion resistant stainless steel mounting hardware.
- Made in USA.

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)
49LEDHBM	53	Type III	4115	77
		Type III w/BLR	3910	73
		Type III W	4755	89
		Type V	4900	92
33LEDHBM	35	Type III	2743	77
		Type III w/BLR	2606	73
		Type III W	3170	89
		Type V	3266	92
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)		
CRI		70		
Color Temperature		4000K, 5700K		
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance		
Moisture Rating		Driver: Dry and Damp Location		
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.		
Driver Specifications		<ul style="list-style-type: none"> • Voltage sensing 120-277V power supply. • Self-sensing and self-regulating thermal protection system. • Factory programming of lumen output available. • Constant light output programming available. • Optional dimming available utilizing standard 0 to 10V systems, step dimming, DALI, AmpDim, or "hi-lo". 		

Note: Values shown are initial; LM 79 pending.

Ordering Information:

Example: **SMAL - 49LEDHBM - 740 - ACR - SPR3 - BPC - BK**

Model	Light Source	Color Temperature	Globe Material	Options
SMAL	* 49LEDHBM 49W LED	740 4000K	(blank) Polycarbonate	BPC Button Photo Cell
SMAL-199	33LEDHBM 33W LED	757 5700K	ACR High Impact Acrylic	B Solid Band (SMAL Only)
SMAL-107				F Finial
	* 49LEDHBM not available for SMAL-199.		Distribution	For lighting control and dimming options, consult factory.
			SPR3 Type III	Finish
			SPR3BLR Type III with Backlight Reduction	BK Black (standard)
			SPR3W Type III Wide	BZ Bronze
			SPR5 Type V	FG Federal Green
	Consult factory for additional light source options.			Consult factory for custom finishes.

Product Bulletin

SMAL-LX-LED Memphis Luminaire

The SMAL-LX-LED Memphis luminaire evokes the traditional decorative post-top theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, down time, and various costs associated with today's sustainable initiatives.

The prismatic optics of the SMAL-LX-LED work in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.



SMAL-LX Memphis luminaire shown with LED module and driver

Features

- Choices of lumen output, color temperature, and light distributions to suit multiple applications.
- LED rated life of 50,000 hours with 85% lumen maintenance.
- Driver and light engine are backed by 5-year system warranty.
- Zhaga-compliant LED module meets industry standard form-factor requirements to enable future upgrading.
- Built-In Category C3 surge protection to help ensure long-term reliability
- High gloss Super Durable polyester powder coat paint enhances the aesthetic appearance and provides a long-lasting, protective finish.
- Lightweight, impact-resistant globe for ease of installation, reduced shipping costs, and repelling of would-be vandals.
- Corrosion resistant stainless steel mounting hardware.
- Made in USA.

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SMAL-LX-LED

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)
49LEDHBM	53	Type III	4020	76
		Type V	4482	85
33LEDHBM	35	Type III	2687	76
		Type V	2988	85
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)		
CRI		70		
Color Temperature		4000K, 5700K		
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance		
Moisture Rating		Driver: Dry and Damp Location		
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.		
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, step dimming, DALI, AmpDim, or "hi-lo". Complies with the requirements of UL and CSA. 		

Note: Values shown are initial; LM 79 pending.

Ordering Information:

Example: **SMAL-LX - 49LEDHBM - 740 - ACR - III - BPC - BK**

Model	Light Source	Color Temperature	Globe Material	Options
SMAL-LX	49LEDHBM 49W LED	740 4000K	(blank) Polycarbonate	BPC Button Photo Cell
	33LEDHBM 33W LED	757 5700K	ACR High Impact Acrylic	F Finial
Consult factory for additional light source options.			Distribution III Type III V Type V	For lighting control and dimming options, consult factory. Finish BK Black (standard) BZ Dark Bronze FG Federal Green Consult factory for custom finishes.

Product Bulletin

SMAL-LXFP-LED Memphis Luminaire

The SMAL-LXFP-LED Memphis luminaire evokes the traditional decorative post-top theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, down time, and various costs associated with today's sustainable initiatives.

The prismatic optics of the SMAL-LXFP-LED work in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.



SMAL-LXFP
Memphis luminaire
shown with finial,
solid band, LED
module and driver

Features

- Choices of lumen output, color temperature, and light distributions to suit multiple applications.
- LED rated life of 50,000 hours with 85% lumen maintenance.
- Driver and light engine are backed by 5-year system warranty.
- Zhaga-compliant LED module meets industry standard form-factor requirements to enable future upgrading.
- Built-In Category C3 surge protection to help ensure long-term reliability
- High gloss Super Durable polyester powder coat paint enhances the aesthetic appearance and provides a long-lasting, protective finish.
- Lightweight, impact-resistant globe for ease of installation, reduced shipping costs, and repelling of would-be vandals.
- Corrosion resistant stainless steel mounting hardware.
- Made in USA.

Sentry
ELECTRIC

SMAL-LXFP-LED

Sentry Electric LLC

185 Buffalo Avenue, Freeport, New York 11520
Telephone: 516.379.4660 Fax: 516.378.0624

www.sentrylighting.com

info@sentrylighting.com

Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)
49LEDHBM	53	Type III	4020	76
		Type V	4482	85
33LEDHBM	35	Type III	2687	76
		Type V	2988	85
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)		
CRI		70		
Color Temperature		4000K, 5700K		
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance		
Moisture Rating		Driver: Dry and Damp Location		
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.		
Driver Specifications		<ul style="list-style-type: none"> • Voltage sensing 120-277V power supply. • Self-sensing and self-regulating thermal protection system. • Factory programming of lumen output available. • Constant light output programming available. • Optional dimming available utilizing standard 0 to 10V systems, step dimming, DALI, AmpDim, or “hi-lo”. • Complies with the requirements of UL and CSA. 		

Note: Values shown are initial; LM 79 pending.

Ordering Information:

Example: **SMAL-LXFP - 49LEDHBM - 740 - ACR - III - BPC - BK**

Model	Light Source	Color Temperature	Globe Material	Options
SMAL-LXFP	49LEDHBM 49W LED	740 4000K	(blank) Polycarbonate	BPC Button Photo Cell
	33LEDHBM 33W LED	757 5700K	ACR High Impact Acrylic	B Solid Band F Finial
Consult factory for additional light source options.			Distribution III Type III V Type V	For lighting control and dimming options, consult factory. Finish BK Black (standard) BZ Dark Bronze FG Federal Green Consult factory for custom finishes.

Product Bulletin

SWW-LED Washington Luminaire

The SWW-LED Washington luminaire evokes the traditional decorative post-top theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, down time, and various costs associated with today's sustainable initiatives.

At the heart of SWW-LED is the SPR reflector system, which works in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.



SWW Washington luminaire shown with LED module and driver

Features

- Choices of lumen output, color temperature, and light distributions to suit multiple applications.
- Backlight Reduction (BLR) option reduces house side illumination by 35%, which helps the user meet stringent light trespass requirements.
- LED rated life of 50,000 hours with 85% lumen maintenance.
- Driver and light engine are backed by 5-year system warranty.
- Zhaga-compliant LED module meets industry standard form-factor requirements to enable future upgrading.
- Built-In Category C3 surge protection to help ensure long-term reliability
- High gloss Super Durable polyester powder coat paint enhances the aesthetic appearance and provides a long-lasting, protective finish.
- Lightweight, impact-resistant globe for ease of installation, reduced shipping costs, and repelling of would-be vandals.
- Corrosion resistant stainless steel mounting hardware.
- Made in USA.

Sentry
ELECTRIC

SWW-LED

Sentry Electric LLC

185 Buffalo Avenue, Freeport, New York 11520
Telephone: 516.379.4660 Fax: 516.378.0624

www.sentrylighting.com

info@sentrylighting.com

Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)
49LEDHBM	53	Type III	4115	77
		Type III w/BLR	3910	73
		Type III W	4755	89
		Type V	4900	92
33LEDHBM	35	Type III	2743	77
		Type III w/BLR	2606	73
		Type III W	3170	89
		Type V	3266	92
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)		
CRI		70		
Color Temperature		4000K, 5700K		
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance		
Moisture Rating		Driver: Dry and Damp Location		
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.		
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, step dimming, DALI, AmpDim, or "hi-lo". 		

Note: Values shown are initial; LM 79 pending.

Ordering Information:

Example: **SWW - 49LEDHBM - 740 - ACR - SPR3 - BPC - BK**

Model	Light Source	Color Temperature	Globe Material	Options	Finish
SWW	* 49LEDHBM 49W LED	740 4000K	(blank) Polycarbonate	BPC Button Photo Cell	
SWW-199	33LEDHBM 33W LED	757 5700K	ACR High Impact Acrylic	B Solid Band (SMAL Only)	
SWW-107				F Finial	
* 49LEDHBM not available for SMAL-199.			Distribution	For lighting control and dimming options, consult factory.	
			SPR3 Type III	Finish	
			SPR3BLR Type III with Backlight Reduction	BK Black (standard)	
			SPR3W Type III Wide	BZ Dark Bronze	
Consult factory for additional light source options.			SPR5 Type V	FG Federal Green	
				Consult factory for custom finishes.	

Product Bulletin

SWW-LX-LED Washington Luminaire

The SWW-LX-LED Washington luminaire evokes the traditional decorative post-top theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, down time, and various costs associated with today's sustainable initiatives.

The prismatic optics of the SWW-LX-LED work in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.



SWW-LX Washington luminaire shown with LED module and driver

Features

- Choices of lumen output, color temperature, and light distributions to suit multiple applications.
- LED rated life of 50,000 hours with 85% lumen maintenance.
- Driver and light engine are backed by 5-year system warranty.
- Zhaga-compliant LED module meets industry standard form-factor requirements to enable future upgrading.
- Built-In Category C3 surge protection to help ensure long-term reliability
- High gloss Super Durable polyester powder coat paint enhances the aesthetic appearance and provides a long-lasting, protective finish.
- Lightweight, impact-resistant globe for ease of installation, reduced shipping costs, and repelling of would-be vandals.
- Corrosion resistant stainless steel mounting hardware.
- Made in USA.

Sentry
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SWW-LX-LED

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)
49LEDHBM	53	Type III	4020	76
		Type V	4482	85
33LEDHBM	35	Type III	2687	76
		Type V	2988	85
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)		
CRI		70		
Color Temperature		4000K, 5700K		
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance		
Moisture Rating		Driver: Dry and Damp Location		
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.		
Driver Specifications		<ul style="list-style-type: none"> • Voltage sensing 120-277V power supply. • Self-sensing and self-regulating thermal protection system. • Factory programming of lumen output available. • Constant light output programming available. • Optional dimming available utilizing standard 0 to 10V systems, step dimming, DALI, AmpDim, or “hi-lo”. • Complies with the requirements of UL and CSA. 		

Note: Values shown are initial; LM 79 pending.

Ordering Information:

Example: **SWW-LX - 49LEDHBM - 740 - ACR - III - BPC - BK**

Model	Light Source	Color Temperature	Globe Material	Options
SWW-LX	49LEDHBM 49W LED	740 4000K	(blank) Polycarbonate	BPC Button Photo Cell
	33LEDHBM 33W LED	757 5700K	ACR High Impact Acrylic	F Finial
Consult factory for additional light source options.			Distribution III Type III V Type V	For lighting control and dimming options, consult factory. Finish BK Black (standard) BZ Dark Bronze FG Federal Green Consult factory for custom finishes.

Product Bulletin

SWW-LXFP-LED Washington Luminaire

The SWW-LXFP-LED Washington luminaire evokes the traditional decorative post-top theme of many North American landmark parks and cities while delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, down time, and various costs associated with today's sustainable initiatives.

The prismatic optics of the SWW-LXFP-LED work in tandem with the LED module to provide comfortable, pleasing, indirect light. The LED module is Zhaga-compliant, which enables interchangeability with multiple light source manufacturers and facilitates future upgrades as LED technology continuously improves.



SWW-LXFP Washington luminaire shown with finial, solid band, LED module and driver

Features

- Choices of lumen output, color temperature, and light distributions to suit multiple applications.
- LED rated life of 50,000 hours with 85% lumen maintenance.
- Driver and light engine are backed by 5-year system warranty.
- Zhaga-compliant LED module meets industry standard form-factor requirements to enable future upgrading.
- Built-In Category C3 surge protection to help ensure long-term reliability
- High gloss Super Durable polyester powder coat paint enhances the aesthetic appearance and provides a long-lasting, protective finish.
- Lightweight, impact-resistant globe for ease of installation, reduced shipping costs, and repelling of would-be vandals.
- Corrosion resistant stainless steel mounting hardware.
- Made in USA.

Sentry
ELECTRIC

SWW-LXFP-LED

Sentry Electric LLC

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)
49LEDHBM	53	Type III	4020	76
		Type V	4482	85
33LEDHBM	35	Type III	2687	76
		Type V	2988	85
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)		
CRI		70		
Color Temperature		4000K, 5700K		
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance		
Moisture Rating		Driver: Dry and Damp Location		
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.		
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, step dimming, DALI, AmpDim, or "hi-lo". Complies with the requirements of UL and CSA. 		

Note: Values shown are initial; LM 79 pending.

Ordering Information:

Example: **SWW-LXFP - 49LEDHBM - 740 - ACR - III - BPC - BK**

Model	Light Source	Color Temperature	Globe Material	Options
SWW-LXFP	49LEDHBM 49W LED	740 4000K	(blank) Polycarbonate	BPC Button Photo Cell
	33LEDHBM 33W LED	757 5700K	ACR High Impact Acrylic	B Solid Band (SMAL-LXFP Only) F Finial
Consult factory for additional light source options.			Distribution III Type III V Type V	For lighting control and dimming options, consult factory. Finish BK Black (standard) BZ Dark Bronze FG Federal Green Consult factory for custom finishes.

Product Bulletin

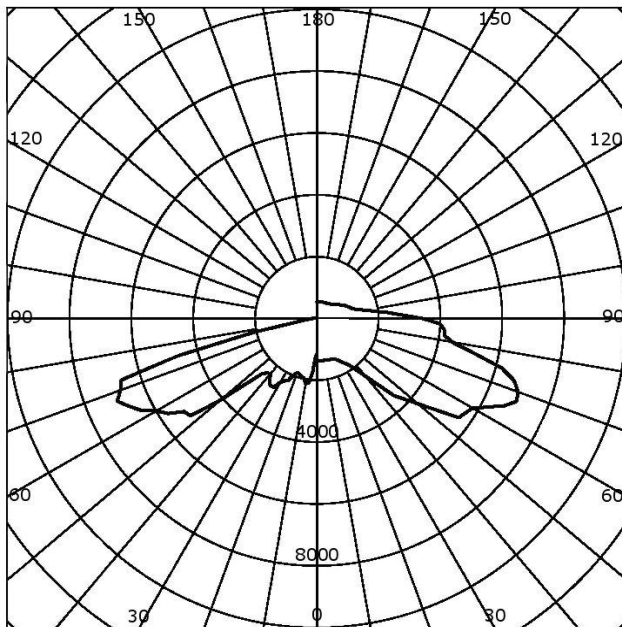
Bishops Crook LED Luminaire

A perennial favorite, the Bishops Crook luminaire remains as a popular choice for street, park, and plaza lighting. The downward facing refractive globe delivers an uninterrupted hemisphere of directed light while also delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, downtime, and various costs associated with today's sustainable initiatives.

At the heart of the Bishops Crook LED luminaire is Sentry's directional optics, which work in tandem with the refractive globe to optimize light distribution while providing comfortable, pleasing illumination. As specified, several distribution options are available to provide the desired aesthetics and performance.



Specifications



Vertical angle of maximum candela 67.5° Horizontal angle of maximum candela 67.5°

Candela Plot for SBAC3-(4)32LEDV18-1.05A-840-2R9P3-GR

Light Source	Distrib.	Luminous Flux (Lumens)	Efficacy (lm/W)
Ambient Temp.	-40° C min to 35° C max		
CRI	80		
Color Temperature	2700K, 3000K, 3500K, 4000K		
Rated Life (L70B50) @ 25°C Ambient Temp.	50,000 Hours at 70% lumen maintenance		
Surge Protection	Current rating 20kA using 8/20 μSec wave. ANSI/IEEE Category C3		
Driver Specifications	<ul style="list-style-type: none"> • 120-277V power supply • Compatible with 0-10V and step dimming lighting control systems • Complies with requirements of UL and CSA 		
Listing/Certification	Meets the requirements of UL 1598 for safety		



SBC-LED

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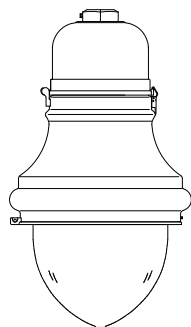
info@sentrylighting.com

Ordering Information

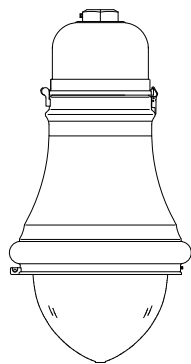
Choose the **boldface** catalog references that best suit your needs.

Example: **Model** **Globe Option** **Shade Option** **Light Source** **Color Temp** **Plastic Globe Material** **Distribution** **Options** **Finish**
SBC4 - 120LX - 33SHADE - (4)32LEDV18-1.05A - 840 - ACR - 2R9P3-GR - PLZH - BK

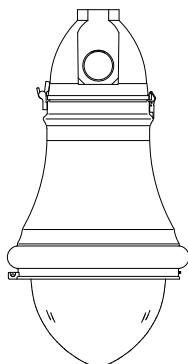
Model	Globe Option	Light Source	Color Temp	Plastic Globe Material	Options	Finish
SBCs SBC4 SBC5 SBCA3 SBCA6	(blank) Refractive Globe (Standard) 120LX Elongated Refractive Plastic Globe * * Available only with 2R9P3-GR distribution. Shade Option (blank) No Shade (Standard) 33SHADE 33" Shade**** **** Shade option available only with SBCs, SBC4, and SBC5.	(4)32LEDV18-1.05A 128W LED-V18, 1050mA (2)32LEDV18-1.05A 64W LED-V18, 1050mA** ** Available only with STLABLRP3 distribution. Consult factory for additional light source options.	827 2700K 830 3000K 835 3500K 840 4000K	(blank) Polycarbonate ACR Acrylic Distribution 2R9G3-GR Type III with Refractive Glass Globe 2R9P3-GR Type III with Refractive Plastic Globe STLABLRP3 Type II with Refractive Plastic Globe and Backlight Reduction *** *** Available only with (2)32LEDV18 light source. Consult factory for additional distribution options.	PLZH Plumbizer (Requires PLZC option on mating arm or bracket.)	BK Black (Standard) BZ Bronze FG Federal Green GR Gray Consult factory for custom finish.



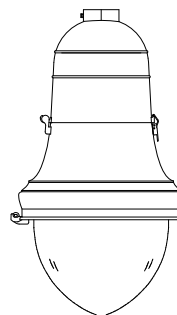
SBCs
29 1/2" h
17" dia.



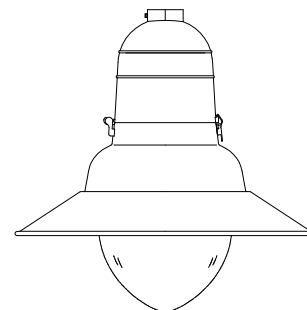
SBC4
33" h
17" dia.



SBC5
33" h
17" dia.



SBCA3
28 1/2" h
15 1/2" dia.



SBCA6
28" h
28" dia.

Notes:

1. Dimensions shown above are for standard refractive globe optic.
2. 33" Shade available for SBCs, SBC4, and SBC5. Contact factory for more information.

Product Bulletin

Bishops Crook LED Luminaire

A perennial favorite, the Bishops Crook luminaire remains as a popular choice for street, park, and plaza lighting. The downward facing LED light source delivers an uninterrupted hemisphere of directed light while also delivering the benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, downtime, and various costs associated with today's sustainable initiatives.

At the heart of the Bishops Crook LED luminaire is Sentry's directional optics, which provide comfortable, pleasing illumination. As specified, several LED wattage and color temperature options are available to provide the desired aesthetics and performance.



Specifications

Ambient Temperature	-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)
CRI	80
Color Temperature	2700K, 3000K, 3500K, 4000K
Rated Life (L70B50) @ 25° C Ambient Temperature	50,000 Hours at 70% lumen maintenance
Surge Protection	Surge current rating of 20 kA using standard 8/20 μSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.
Driver Specifications	<ul style="list-style-type: none">• 120-277V power supply• Compatible with 0-10V and step dimming lighting control systems• CSA Complies with the requirements of UL and CSA

Sentry
ELECTRIC

SBCA6-NG-LED

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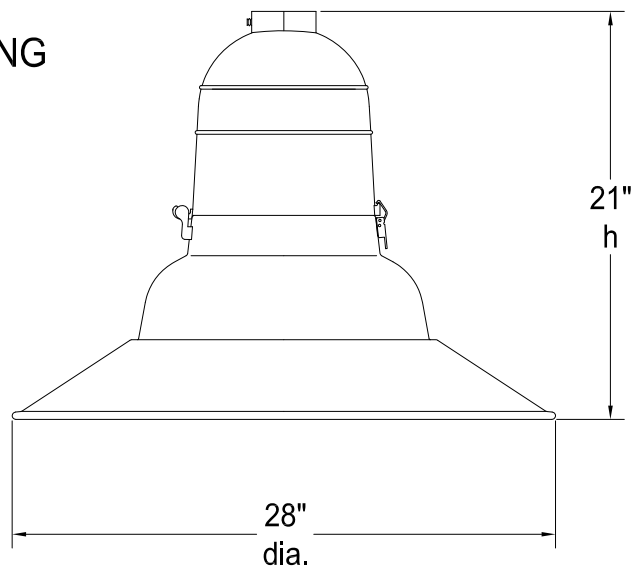
Ordering Information

Choose the **boldface** catalog references that best suit your needs.

Example: **SBCA6-NG - (3)32LEDV18-1.05A - 840 - STLA - PLZH - BK**

Model	Light Source	Color Temp	Distribution	Options	Finish
SBCA6-NG	(4)32LEDV18-1.05A 128W LED-V18, 1050mA	827 2700K	STLA Type III Consult factory for additional distribution options.	PLZH Plumbizer (Requires PLZC option on mating arm or bracket)	BK Black (Standard) BZ Bronze FG Federal Green GR Gray Consult factory for custom finish.
	(3)32LEDV18-1.05A 96W LED-V18, 1050mA	830 3000K			
	(2)32LEDV18-1.05A 64W LED-V18, 1050mA	835 3500K			
	Consult factory for additional light source options.	840 4000K			

SBCA6-NG
21" h
28" dia.



Product Bulletin

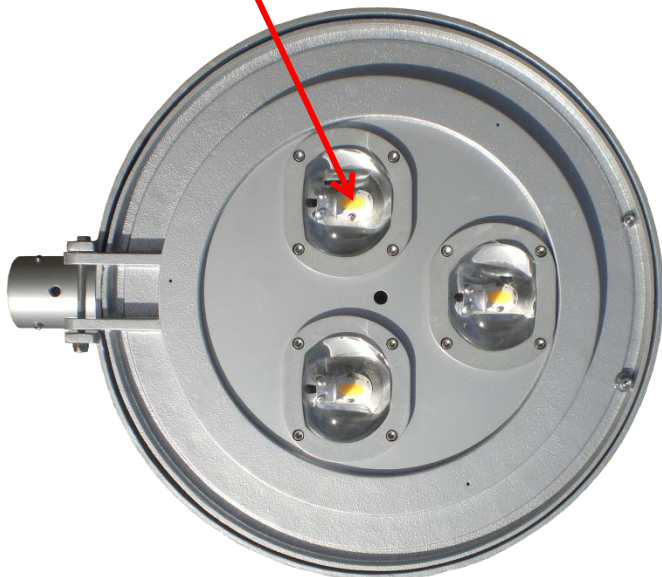
SDAS-LED Downtown Luminaire

The SDAS-LED Downtown luminaire, with its symmetrical proportions and gently arching crown, provides contemporary inspiration for boulevards and public spaces while its innovative optical design delivers the many benefits associated with solid state lighting technology. Most notably, users will realize a reduction in energy consumption, maintenance, downtime, and various costs associated with today's sustainable initiatives.

The Downtown luminaire's unique combination of refractive borosilicate glass optics and LED modules is a groundbreaking advance in the evolution of solid state technology used for street and area lighting. The downward facing LEDs have an unobstructed path to the illuminated surface, providing a highly efficacious result. As specified, several lens options are available to provide the desired optical performance.



LED module and refractive optical lens



Specifications

Light Source	Distrib.	Luminous Flux (Lumens)	Efficacy (lm/W)
(3)32LEDV18-1.05A	Type II	9306	93
Ambient Temp.	-40° C min to 35° C max		
CRI	80		
Color Temperature	2700K, 3000K, 3500K, 4000K		
Rated Life (L70B50) @ 25°C Ambient Temp.	50,000 Hours at 70% lumen maintenance		
Surge Protection	Current rating 20kA using 8/20 µSec wave. ANSI/IEEE Category C3		
Driver Specifications	<ul style="list-style-type: none">• 120-277V power supply• Compatible with 0-10V and step dimming lighting control systems• Complies with requirements of UL and CSA		
Listing/Certification	Meets the requirements of UL 1598 for safety		

Sentry
ELECTRIC

SDAS-LED

Sentry Electric LLC

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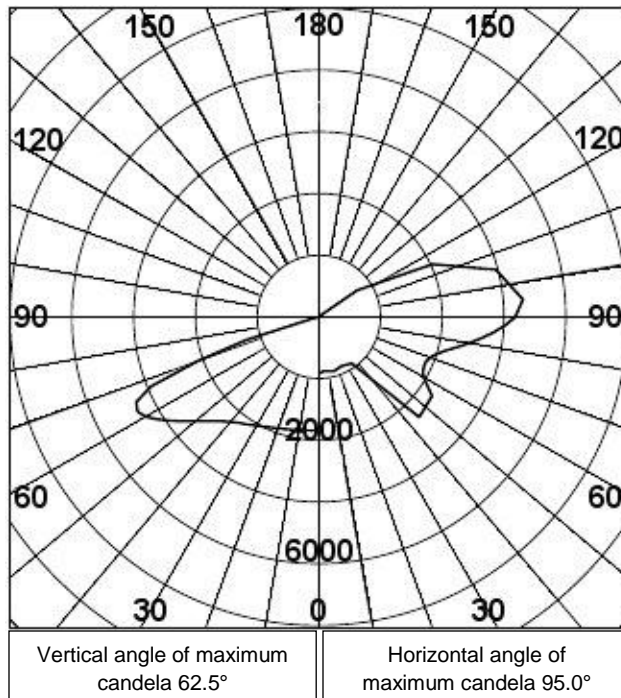
www.sentrylighting.com

info@sentrylighting.com

Ordering Information:

Example: **SDAS** - **(3)32LEDV18-1.05A** - **840** - **L110R** - **TLR** - **RPC** - **BK**

Model	Light Source	Color Temperature	Options	Finish
SDAS	(3)32LEDV18-1.05A 96W LED-V18, 1050mA Consult factory for additional light source options.	827 2700K	TLR Twist Lock Receptacle	BK Black (standard) BZ Dark Bronze FG Federal Green Consult factory for custom finishes
		830 3000K		
		835 3500K		
		840 4000K		
		Distribution	Accessories	
		L110R Type 2, Refractive Glass Lenses For additional distribution choices, consult factory.	RPC Receptacle Photo Control	



Candela Plot for SDAS-(3)32LEDV18-1.05A-840-L110R

Product Bulletin

Bridge and Structural Accent Lighting Luminaire

Sentry Electric's Bridge and Structural Accent Lighting Luminaire is specially designed for the most demanding outdoor environments. It mounts to and illuminates cables, struts, trusses and supporting members of bridges, towers, and other similar structures, resulting in dramatic, panoramic views of cityscapes, riverfronts, entertainment districts and revitalized industrial development zones.

The Necklace Luminaire is ruggedly constructed of a cast aluminum housing, borosilicate glass lens, stainless steel latches and retention cables, and includes solid state LED technology. These features combine to provide safety, reliability, longevity, maintenance reduction, and energy savings.

Key Features:

- LED light source with rated output of 1990 lumens.
- Long-Lasting, non-yellowing borosilicate glass lens provides comfortable, diffused light.
- Surge protector and inline 5A fuse protect driver and LED light source.
- Cast aluminum door is hinged to a rugged, durable aluminum housing to maintain the luminaire's integrity during any required maintenance.
- Internal electrical components are mounted to a removable tray, which enables easier, faster access.
- Tool-less stainless steel latches with trigger lock to prevent unwanted opening allows rapid entry to internal components.
- Retention cable on globe fitter allows the fitter to be safely unlatched from the housing without risk of falling to the ground.
- Securely mounts to a stanchion via two independent clamps and stainless steel hardware.
- Mounting clamps utilize non-metallic inserts to provide electrical isolation from the bridge or structure.
- Stainless steel screens in housing provide passive ventilation to negate internal moisture build-up.
- UL listed in accordance with UL 1598 and UL 8750.
- CSA certified in accordance with CSA C22.0, 250.0-08.
- Wet location rated.
- Manufactured in USA.



Specifications

LED Light Source	Luminous Flux: 1990 lm
	Wattage: 21.3W
	Color Temperature: 5500K
	Rated Life: 50,000 Hours at 70% lumen maintenance
LED Driver	Voltage sensing 90 ~ 305 VAC
	Constant voltage output
	Operating Temp: -30°C to +60°C IP66
Surge Protector	320V Clamping voltage @277V
	150V Clamping voltage @120V
	Surge current rating 10,000A
Dimensions	16 5/8" high x 10 5/8" wide
Finish	Super durable polyester powder coat painted with a multi-stage process. Color to be specified.

Note: Other light sources and lenses available. Contact factory for more information.

Sentry
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Accent Lighting Luminaire

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Product Bulletin

LED Bollards

Constructed in cast aluminum and cast iron for durability, Sentry bollards are detailed with fluting, scrolling, leaves and rosettes to harmonize with all Sentry luminaires and poles, contributing to a sense of unity, recognition and order. Each bollard incorporates the most current light engine technology in Sentry's time-honored, historically-styled designs, thereby delivering both aesthetic appeal with the benefits of LEDs.

LED bollards contribute a reduction in energy consumption, maintenance, down time, and costs associated with today's sustainable initiatives. LED bollards are available in a range of color temperatures with a minimum of 50,000 hours of high CRI light, flattering to people, objects and structures. Sentry LED bollards are an ideal choice for illuminating pathways, cross walks, driveways, parks, and other similar public spaces.



LED Module Features:

- Remote phosphor technology improves lumen maintenance
- Color consistency within 2 step MacAdam Ellipses
- Multiple dimming scenarios (i.e. 0 – 10V, DALI) with suitably specified drivers
- Diecast aluminum construction with sealed glass aperture

Sentry
ELECTRIC

LED Bollards

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www.sentrylighting.com

info@sentrylighting.com

Light Source	System Input Power	All Bollards Except SAL-IV-BOL		SAL-IV-BOL Only	
		Luminous Flux (Lumens)	Bollard Efficacy (lm/W)	Luminous Flux (Lumens)	Bollard Efficacy (lm/W)
11LEDXSM-1300-0.7A-827	13	626	48	465	35
11LEDXSM-1300-0.7A-830					
11LEDXSM-1300-0.7A-835					
11LEDXSM-1300-0.7A-840					
8LEDXSM-1000-0.7A -827	10	485	49	360	37
8LEDXSM-1000-0.7A -830					
8LEDXSM-1000-0.7A -835					
8LEDXSM-1000-0.7A -840					
6LEDXSM-700-0.7A -827	7	337	48	250	34
6LEDXSM-700-0.7A -830					
6LEDXSM-700-0.7A -835					
6LEDXSM-700-0.7A -840					
CRI	80				
Rated Life (L70B50)	50,000 Hours at 70% lumen maintenance				
Optical Distribution	Type V				
Moisture Rating	LED Module = IP 66				
Surge Protection	Current rating of 20 kA using 8/20µSec wave. Protected in accordance with ANSI/IEEE 62.41, Category C3.				

Note: Values shown are initial; LM79 pending.

Ordering Information:

Example: **SAL-B-BOL - 8LEDXSM-1000C-0.7A - 840 - EB - BK**

Model Light Source Color Temp Accessories Finish

Model	Light Source		Color Temperature		Accessories		Color	
SCI-B-BOL	11LEDXSM-1300C-0.7A	11W LED	827	2700K	EB	Eyebolt	BK	Black (standard)
SAL-B-BOL	8LEDXSM-1000C-0.7A	8W LED	830	3000K	HK	Open Hook	BZ	Dark Bronze
SAL-F-BOL	6LEDXSM-700C-0.7A	6W LED	835	3500K			FG	Federal Green
SAL-IV-BOL			840	4000K	see <i>Orientation Guide</i>			
SAL-IVP-BOL								
SCI-W-BOL								
SAL-W-BOL	Consult factory for additional light source options.						Consult factory for custom finishes.	

Product Bulletin

SAL-IV-BOL-LED Irvine Bollard with LED

Constructed in cast aluminum for durability, the SAL-IV-BOL-LED bollard is detailed with scrolling and leaves to harmonize with the SAL-IV and SAL-IVS series of poles, contributing to a sense of unity, recognition and order. The most current light engine technology is incorporated into this historically-styled design, thereby delivering both aesthetic appeal with the benefits of LEDs.

SAL-IV-BOL-LED contributes to a reduction in energy consumption plus overall maintenance, down time and costs associated with today's sustainable initiatives. LED engines are available in a range of color temperatures with a minimum of 50,000 hours of high CRI light, flattering to people, objects and structures. SAL-IV-BOL-LED is an ideal choice for illuminating pathways, cross walks, driveways, parks, and other similar public spaces.

Specifications

Light Source	Luminous Flux (Lumens)	System Input Power	Bollard Efficacy (lm/w)
11LEDXSM-1300C-0.7A-827	465	13W	35
11LEDXSM-1300C-0.7A-830			
11LEDXSM-1300C-0.7A-835			
11LEDXSM-1300C-0.7A-840			
8LEDXSM-1000C-0.7A-827	360	10W	37
8LEDXSM-1000C-0.7A-830			
8LEDXSM-1000C-0.7A-835			
8LEDXSM-1000C-0.7A-840			
6LEDXSM-700C-0.7A-827	250	7W	34
6LEDXSM-700C-0.7A-830			
6LEDXSM-700C-0.7A-835			
6LEDXSM-700C-0.7A-840			
CRI		80	
Rated Life (L70B50)		50,000 Hours at 70% lumen maintenance	
Optical Distribution		Type V	
Moisture Rating		LED Module = IP 66	
Surge Protection		Current rating of 20 kA using 8/20µSec wave. Protected in accordance with ANSI/IEEE 62.41, Category C3.	

Note: Values shown are initial; LM79 pending.



LED Module Features:

- Remote phosphor technology improves lumen maintenance
- Color consistency within 2 step MacAdam Ellipses
- Multiple dimming scenarios (i.e. 0 – 10V, DALI) with suitably specified drivers
- Diecast aluminum construction with sealed glass aperture

Sentry
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SAL-IV-BOL-LED

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Ordering Information:

Example: **SAL-IV-BOL - 8LEDXSM-1000C-0.7A - 840 - EB - BK**

Model	Light Source	Color Temperature	Accessories	Color
SAL-IV-BOL	11LEDXSM-1300C-0.7A 11W LED	827 2700K	EB Eyebolt	BK Black (standard)
	8LEDXSM-1000C-0.7A 8W LED	830 3000K	HK Open Hook	BZ Dark Bronze
	6LEDXSM-700C-0.7A 6W LED	835 3500K	see <i>Orientation Guide</i>	FG Federal Green
		840 4000K		
	Consult factory for additional light source options.			Consult factory for custom finishes.

Product Bulletin

Architectural Round LED Bollard

Sentry LED bollards are an ideal choice for illuminating pathways, cross walks, driveways, parks, and other similar public spaces. LED bollards are configured with the most current light engine technology, thereby contributing to a reduction in energy consumption, maintenance, down time, and costs associated with today's sustainable initiatives. LED bollards are available in a range of color temperatures with a minimum of 50,000 hours of high CRI light, flattering to people, objects and structures.

SAL-7.5P-BOL-LED is ruggedly constructed with an extruded aluminum shaft and a cast aluminum decorative head. It aesthetically harmonizes with the design of similarly constructed Sentry luminaires and poles, contributing to a sense of unity, recognition and order. Optional hooks and eye bolts allow for the bollards to be attached to decorative chain to facilitate and direct pedestrian and vehicular traffic.

Specifications

Light Source	Luminous Flux (Lumens)	System Input Power	Bollard Efficacy (lm/w)
11LEDXSM-1300C-0.7A-827	626	13W	48W
11LEDXSM-1300C-0.7A-830			
11LEDXSM-1300C-0.7A-835			
11LEDXSM-1300C-0.7A-840			
8LEDXSM-1000C-0.7A-827	485	10W	49W
8LEDXSM-1000C-0.7A-830			
8LEDXSM-1000C-0.7A-835			
8LEDXSM-1000C-0.7A-840			
6LEDXSM-700C-0.7A-827	337	7W	48W
6LEDXSM-700C-0.7A-830			
6LEDXSM-700C-0.7A-835			
6LEDXSM-700C-0.7A-840			
CRI	80		
Rated Life (L70B50)	50,000 Hours at 70% lumen maintenance		
Optical Distribution	Type V		
Moisture Rating	LED Module = IP 66		
Surge Protection	Current rating of 20 kA using 8/20µSec wave. Protected in accordance with ANSI/IEEE 62.41, Category C3.		

Note: Values shown are initial; LM79 pending.



LED Module Features:

- Remote phosphor technology improves lumen maintenance
- Color consistency within 2 step MacAdam Ellipses
- Multiple dimming scenarios (i.e. 0 – 10V, DALI) with suitably specified drivers
- Diecast aluminum construction with sealed glass aperture

Sentry
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SAL-7.5P-BOL-LED

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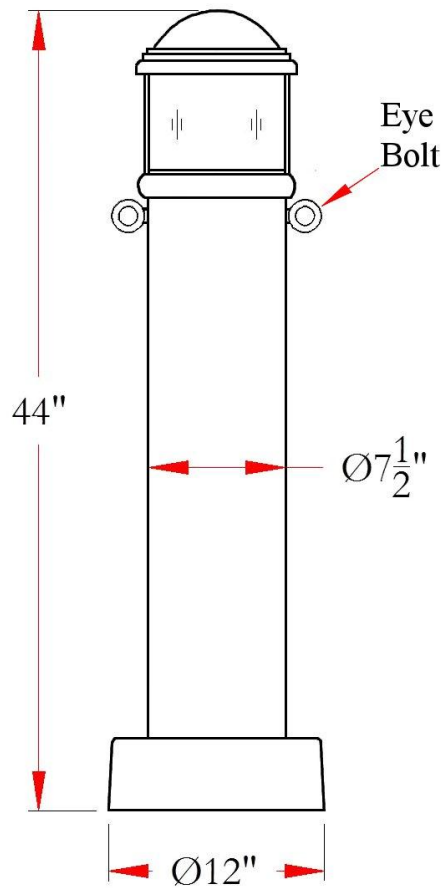
www.sentrylighting.com

info@sentrylighting.com

Ordering Information:

Example: **SAL-7.5P-BOL** - **8LEDXSM-1000C-0.7A** - **840** - **EB** - **BK**

Model	Light Source	Color Temperature	Accessories	Color
SAL-7.5P-BOL	11LEDXSM-1300C-0.7A 11W LED	827 2700K	EB Eyebolt	BK Black (standard)
	8LEDXSM-1000C-0.7A 8W LED	830 3000K	HK Open Hook	BZ Dark Bronze
	6LEDXSM-700C-0.7A 6W LED	835 3500K	see <i>Orientation Guide</i>	FG Federal Green
		840 4000K		
	Consult factory for additional light source options.			Consult factory for custom finishes.



Product Bulletin

Tulip Series LED Retrofit Kit

The Tulip Series LED Retrofit Kit enables the owner to realize the many benefits of solid state lighting while continuing to evoke the historical theme of many North American landmark parks, universities, and cities. Retrofitting is easily accomplished in the field to minimize maintenance costs and down time.

The retrofit kit offers an upgrade of previously installed Sentry Tulip Series luminaires. A unitized top assembly and center column assembly replace existing HID systems to achieve long-lasting cost reductions along with a highly performing lighting solution.

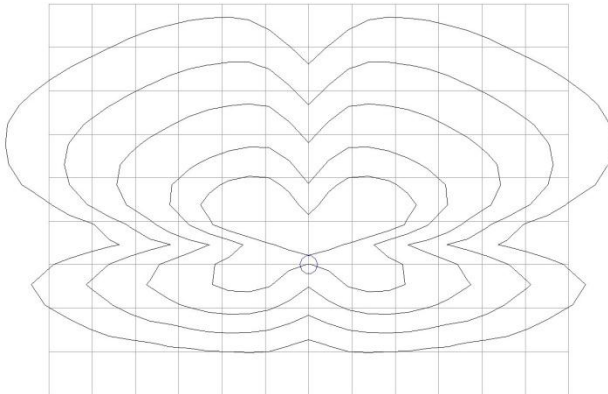
Sentry's LED engine is a Zhaga-compliant module. It conforms to industry standards to allow for interchangeability with multiple LED manufacturers and facilitates future upgrades as LED technology continuously improves.

Sentry Electric's innovative SPR reflector system provides several light distributions to satisfy a multitude of application needs. The SPR5 delivers a symmetric Type V distribution. For asymmetric requirements, three standard distributions are available. A Type III and III W offer classical Type III patterns. The version with Backlight Reduction (BLR) minimizes light output on the house side, and directs more light onto the street side. BLR cuts house side lighting by approximately 35%, and helps the user meet stringent light trespass requirements.



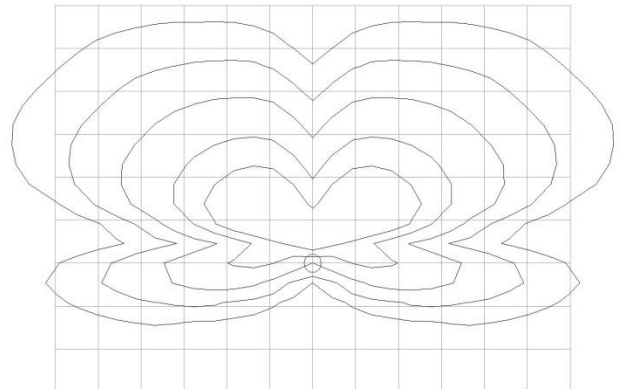
SCP Central Park luminaire shown with LED retrofit kit

Standard Type III Distribution



Standard Type III distribution contributes to the illumination of sidewalks, building facades, and other house side objects.

Type III Distribution with Backlight Reduction



Backlight Reduction reduces house side lighting, increases street side lighting, and helps to minimize light trespass.

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LED Retrofit Kit

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)	Bug Rating
49LEDHBM	53	Type III	3358	63	B1-U3-G2
		Type III w/BLR	3220	61	B1-U3-G2
		Type III W	3625	68	B2-U3-G3
		Type V	3735	70	B2-U3-G2
33LEDHBM	35	Type III	2239	63	B1-U3-G2
		Type III w/BLR	2147	61	B1-U3-G2
		Type III W	2417	68	B2-U3-G3
		Type V	2490	71	B2-U3-G2
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)			
CRI		70			
Color Temperature		4000K, 5700K			
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance			
Moisture Rating		Driver: Dry and Damp Location			
Surge Protection		Surge current rating of 20 kA using standard 8/20 µSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.			
Driver Specifications		<ul style="list-style-type: none"> Voltage sensing 120-277V power supply. Self-sensing and self-regulating thermal protection system. Factory programming of lumen output available. Constant light output programming available. Optional dimming available utilizing standard 0 to 10V systems, step dimming, DALI, AmpDim, or "hi-lo". 			

Note: Values shown are for SLR-LED.

Ordering Information:

Example: **49LEDHBM** - **740** - **SPR3** - **SLR-RETRO KIT** - **BK**

Light Source	Color Temperature	Distribution	Model	Color
49LEDHBM 49W LED	740 4000K	SPR3 Type III	SBP-RETRO KIT	BK Black (standard)
33LEDHBM 33W LED	757 5700K	SPR3BLR Type III with Backlight Reduction	SCP-RETRO KIT	BZ Dark Bronze
		SPR3W Type III Wide	SLR-RETRO KIT	FG Federal Green
		SPR5 Type V	SYN-RETRO KIT	
			SLK-RETRO KIT	
			SCT-RETRO KIT	
		SBN-RETRO KIT		
		SIC-RETRO KIT		
		SYG-RETRO KIT		
		SIV-RETRO KIT		
		SST-RETRO KIT		
Consult factory for additional light source options.				Consult factory for custom finish.

Product Bulletin

LED Retrofit Kit for SLH and SOB Luminaires

SLH-RETRO KIT enables the owner to realize the many benefits of solid state lighting while continuing to evoke the decorative theme of many North American landmark parks, universities, and cities. Retrofitting is easily accomplished in the field to minimize maintenance costs and down time.

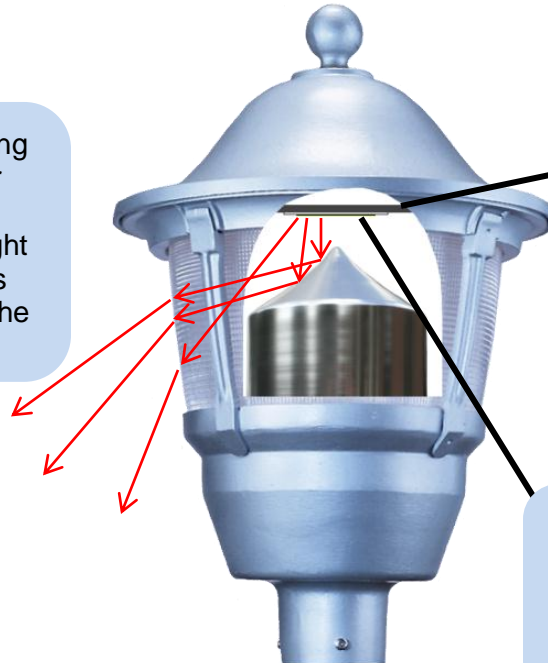
The retrofit kit offers an upgrade of previously installed Hamlet and Oysterbay luminaires containing HID lamp sources. A unitized, prewired assembly that consists of the reflector system, light engine, and driver, simply drops into the existing luminaire. Performance is never compromised in retrofit applications, as the retrofit kit utilizes the exact same components and optical system as a factory-assembled LED luminaire.

Sentry's LED engine is a Zhaga-compliant module. It conforms to industry standards to allow for interchangeability with multiple LED manufacturers and facilitates future upgrades as LED technology continuously evolves.



Base for SLH Hamlet or SOB Oysterbay luminaire shown with LED retrofit kit

Optical system, consisting of LED engine, specular reflector, and prismatic refractor, controls the light distribution and provides comfortable viewing of the luminaire.



Thermal management system entails internal heat sink in combination with cast aluminum luminaire body.

LED engine is positioned directly on the heat sink, optimizing heat dissipation and ensuring long-term reliability.

Sentry
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SLH-RETRO KIT

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Light Source	System Input Power (Watts)	Luminaire Light Distribution	Luminaire Luminous Flux (Lumens)	Luminaire Efficacy (lm/W)
49LEDHBM	53	Type III	3954	75
		Type V	4102	77
33LEDHBM	35	Type III	2636	75
		Type V	2734	77
Ambient Temperature		-40° C minimum to 35° C maximum (Luminaire not to operate at maximum temperature for a period of time longer than 15% of total operating hours.)		
CRI		70		
Color Temperature		4000K, 5700K		
Rated Life (L85B50) @ 30° C Ambient Temperature		50,000 Hours at 85% lumen maintenance		
Moisture Rating		Driver: Dry and Damp Location		
Surge Protection		Surge current rating of 20 kA using standard 8/20 μSec wave. Protected line-neutral, line-ground, and neutral-ground in accordance with ANSI/IEEE 62.41, Category C3.		
Driver Specifications		<ul style="list-style-type: none"> • Voltage sensing 120-277V power supply. • Self-sensing and self-regulating thermal protection system. • Factory programming of lumen output available. • Constant light output programming available. • Optional dimming available utilizing standard 0 to 10V systems, step dimming, DALI, AmpDim, or “hi-lo”. • Complies with the requirements of UL and CSA. 		

Note: Values shown are initial.

Ordering Information:

Example: ^{Light Source} **49LEDHBM** - ^{Color Temp} **740** - ^{Model} **SLH-RETRO KIT**

Light Source		Color Temperature		Model
49LEDHBM	49W LED	740	4000K	SLH-RETRO KIT
33LEDHBM	33W LED	757	5700K	

Product Bulletin

LED Bollard Retrofit Kit

The LED Bollard Retrofit Kit enables the owner to realize the many benefits of solid state lighting while continuing to evoke the decorative theme of many North American landmark parks, universities, and cities. Field retrofitting of existing Sentry Electric bollards is easily accomplished, resulting in an extended product life cycle and reduced operating costs.

The Sentry retrofit kit offers an upgrade of previously installed Sentry bollards. For retrofitting of proprietary or non-Sentry bollards, Sentry's factory customer support should be contacted.

Sentry's LED Bollard Retrofit Kit is comprised of a unitized LED optical assembly that replaces the existing optical system to achieve long-lasting cost reductions along with a highly performing lighting solution. The existing bollard base and shaft need not be disturbed or replaced, which simplifies the installation process, reduces costs, and minimizes potential disruption to pedestrian or vehicular traffic.

Specifications

Light Source	Luminous Flux (Lumens)	System Input Power	Bollard Efficacy (lm/w)
11LEDXSM-1300C-0.7A-827	626	13W	48W
11LEDXSM-1300C-0.7A -830			
11LEDXSM-1300C-0.7A -835			
11LEDXSM-1300C-0.7A -840			
8LEDXSM-1000C-0.7A -827	485	10W	49W
8LEDXSM-1000C-0.7A -830			
8LEDXSM-1000C-0.7A -835			
8LEDXSM-1000C-0.7A -840			
6LEDXSM-700C-0.7A -827	337	7W	48W
6LEDXSM-700C-0.7A -830			
6LEDXSM-700C-0.7A -835			
6LEDXSM-700C-0.7A -840			
CRI	80		
Rated Life (L70B50)	50,000 Hours at 70% lumen maintenance		
Optical Distribution	Type V		
Moisture Rating	LED Module = IP 66		
Surge Protection	Current rating of 20 kA using 8/20 μ Sec wave. Protected in accordance with ANSI/IEEE 62.41, Category C3.		

Note: Values shown are initial; LM79 pending.



LED Module Features:

- Remote phosphor technology improves lumen maintenance
- Color consistency within 2 step MacAdam Ellipses
- Multiple dimming scenarios (i.e. 0 – 10V, DALI) with suitably specified drivers
- Diecast aluminum construction with sealed glass aperture

Sentry
ELECTRIC

LED Bollard Retrofit Kit

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Ordering Information:

Example: ^{Light Source} **8LEDXSM-1000C-0.7A** - ^{Color Temp} **840** - ^{Model} **BOL-RETRO KIT** - ^{Finish} **BK**

Light Source		Color Temperature		Model	Color	
11LEDXSM-1300C-0.7A	11W LED	827	2700K	BOL-RETRO KIT	BK	Black (standard)
8LEDXSM-1000C-0.7A	8W LED	830	3000K		BZ	Dark Bronze
6LEDXSM-700C-0.7A	6W LED	835	3500K		FG	FederalGreen
		840	4000K			
Consult factory for additional light source options.					Consult factory for custom finishes.	