



A new age of technology

NiteBrites LED Luminaires

PHILIPS

Day-Brite

A constant state



The lighting industry has always been an ever-changing world of technological advances. When Thomas Edison first invented the light bulb, it was an astonishing breakthrough. Fluorescent technology further advanced the lighting industry by offering a much more efficient light source than the incandescent lamp. Then came HID, and it was the lamp of choice for outdoor and extreme temperature applications. Compact Fluorescent was the most recent game changer. It drastically reduced the energy consumed by traditional luminaires such as downlights where incandescent had been favored. Now we find ourselves in the age of the LED luminaire. Although LEDs are not new in their basic technology, we are improving and advancing the output of LEDs to be able to use them for general lighting and not just indicator lamps.

of change



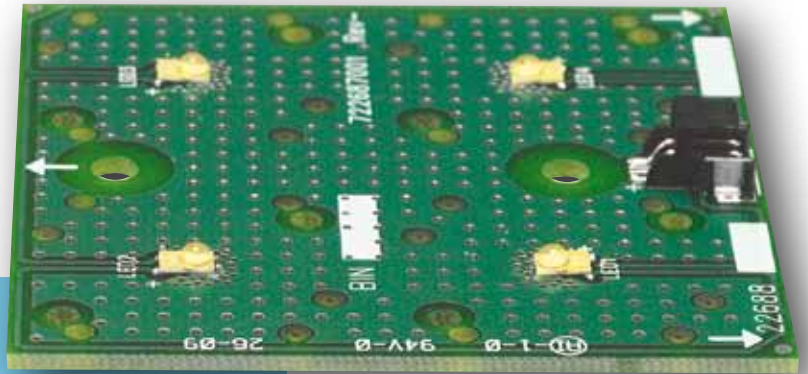
Altering the future of



Durability

LEDs have several advantages over their light source counterparts. They will not be affected by frequent on-off cycling which generally causes fluorescent lamps to fail more quickly. They are instant on unlike HID lamps which take several minutes to warm up or restart. LEDs are not easily damaged like glass bulb lamps. They do not fail by burning out but simply dim over a long period of time. The total cost of ownership (installed cost, energy cost, and maintenance cost) can be lower for LEDs because of their energy savings and long life.

lighting



Sustainability

Throughout our industry, there has been an ever-increasing importance placed upon using energy efficient sources for lighting. Customers, contractors, engineers, architects, manufacturers, associations, and even the U.S. government are all optimistic about the potential of LEDs for general lighting. According to the U.S. Department of Energy, over one-third of all energy is used for the generation of electricity, and over one-fifth of all electricity is used for lighting. According to their website...

"The U.S. Department of Energy and its partners are working to accelerate advances in solid-state lighting — a pivotal emerging technology that promises to fundamentally alter lighting in the future. No other lighting technology offers as much potential to save energy and enhance the quality of our building environments, contributing to our nation's energy and climate change solutions."

The widespread use of solid-state lighting could potentially:

- Create an annual energy savings of 190 terawatt-hours
- Create an annual savings of \$15 billion at today's energy prices
- Reduce greenhouse gas emissions by 31.4 million metric tons
- Significantly reduce the amount of mercury and other hazardous materials in landfills

Advantages of LED



The Philips Day-Brite family of outdoor LED luminaires will:

- Reduce energy consumption vs. traditional lamp sources by 30-50%
- Reduce maintenance costs by providing long luminaire life
- Provide excellent illumination just where it is needed
- Provide guaranteed quality and durability



outdoor luminaires

Outdoor LED Illumination

An ideal application for LEDs to be used for general illumination is outdoors. HID lamps emit light in all directions. To harness and redirect the light can be challenging. Less expensive luminaires don't do a very good job of this and are generally inefficient. Luminaires that are very efficient are typically priced higher. LEDs are a directional light source by design. Couple that with a secondary optical system, and the application efficiency can far exceed that of the HID luminaire. Put simply, LEDs let you put the light exactly where it is needed.



SolarOne®



Solar Option

Philips Day-Brite has partnered with SolarOne® to offer solar packages with our LED luminaires. Using SO-Bright® Technology, the luminaires can be completely self-powered with the added benefit of advanced lighting functions that conserve stored power over the course of the night. To learn more about SolarOne, visit their web site at www.solarone.net. To explore the solar options available, please contact your local Philips Day-Brite representative.



LED Mini Wall Light



WTN



WRN

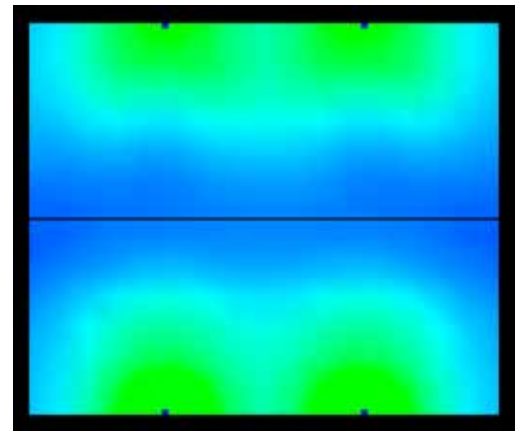


WBN

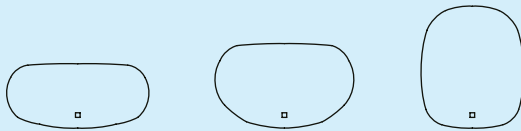
The LED Mini Wall Light uses approximately 22 Watts of energy. The design is small and attractive. By creating a very small profile of only 4 inches, this wall light can be used at low mounting heights. Exit doors, walkways, and breezeways can be safely lit for both standard and emergency use. The LED wall light can perform as well as a 50W metal halide unit or 42W compact fluorescent unit.

The LED light engine is designed for optimum thermal transfer. The die cast aluminum housing is specifically designed to allow the LED light engine to efficiently transfer heat to open air. The light controlling lenses are unique and allow the wide angle of light emitted from the LED to be precisely narrowed and aimed. These unique lenses are then placed in a specific array pattern and coupled with a diffusing lens to create a controlled distribution of light. Standard available full cutoff distributions include forward throw, medium, and wide patterns. The LED light engine comes standard with neutral white LEDs with a nominal CCT of 4100K. Other colors are available upon customer request. All parts of the luminaire, including the LED light engine and the LED driver, are completely replaceable.

WRN24WLU-SC2
10' MOUNTING HEIGHT / 25' SPACING



50W MH FULL CUTOFF WALL LIGHT
10' MOUNTING HEIGHT / 25' SPACING

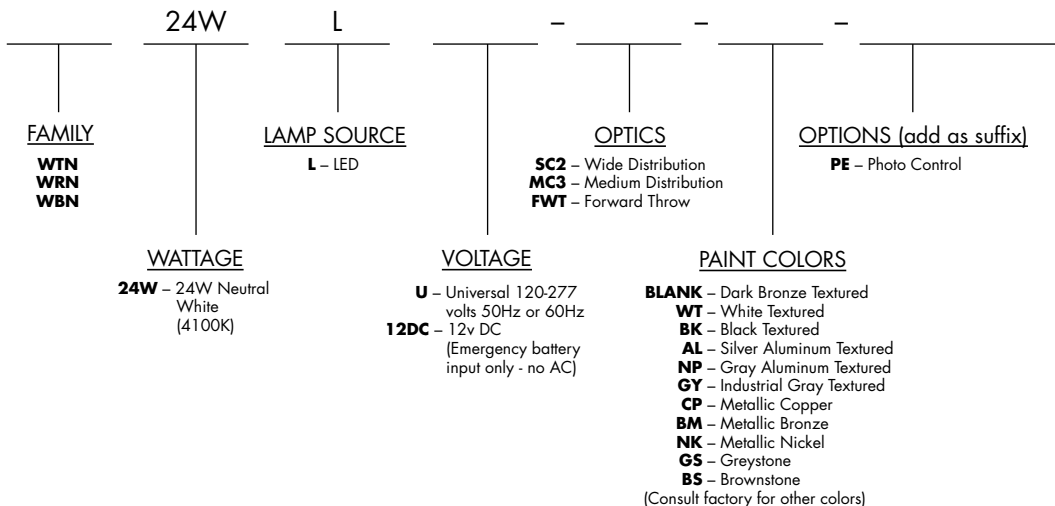


WRN24WLU-	SC2	MC3	FWT
System Watts	21	22	21
Initial Delivered Lumens @25°C Ambient	577	518	454
Predicted L70 Lifetime @25°C Ambient	>60,000 hrs	>60,000 hrs	>60,000 hrs
Predicted L70 Lifetime @40°C Ambient	50,000 hrs	50,000 hrs	50,000 hrs

Note: L₇₀ lifetime prediction based upon LED manufacturer's supplied LM-80 data and in-situ laboratory testing. Photometric values based on tests performed in compliance with LM-79.

Ordering Information

SAMPLE CATALOG NUMBER: WTN24WLU-MC3

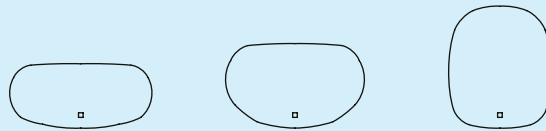


LED Medium Wall Light



The LED Medium Wall Light is available in a 40 Watt or 60 Watt version. The variety of shapes available allows the designer to choose between a conservative or decorative effect. These durable and attractive units can be used for entrances, walkways, and courtyards. The LED wall light can perform as well as a 100W metal halide unit or 2-42W compact fluorescent unit.

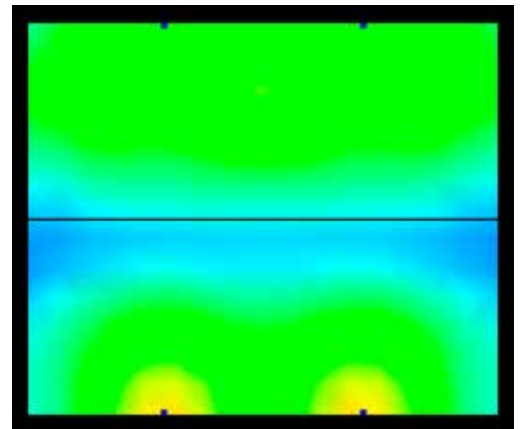
The LED light engine is designed for optimum thermal transfer. The die cast aluminum heat sink is specifically designed to allow the LED light engine to efficiently transfer heat to open air. The light controlling lenses are unique and allow the wide angle of light emitted from the LED to be precisely narrowed and aimed. These unique lenses are then placed in a specific array pattern to create a controlled distribution of light. Standard available full cutoff distributions include forward throw, medium, and wide patterns. The LED light engine comes standard with neutral white LEDs with a nominal CCT of 4100K. Other colors are available upon customer request. All parts of the luminaire, including the LED light engine and the LED driver, are completely replaceable.



WTM	SC2	MC3	FWT
System Watts	42(40W) / 62(60W)	42(40W) / 62(60W)	42(40W) / 62(60W)
Initial Delivered Lumens @25°C Ambient	2005(40W) / 2603(60W)	1957(40W) / 2575(60W)	1934(40W) / 2634(60W)
Predicted L70 Lifetime @25°C Ambient	>60,000 hrs	>60,000 hrs	>60,000 hrs
Predicted L70 Lifetime @40°C Ambient	>60,000 hrs	>60,000 hrs	>60,000 hrs

Note: L₇₀ lifetime prediction based upon LED manufacturer's supplied LM-80 data and in-situ laboratory testing. Photometric values based on tests performed in compliance with LM-79.

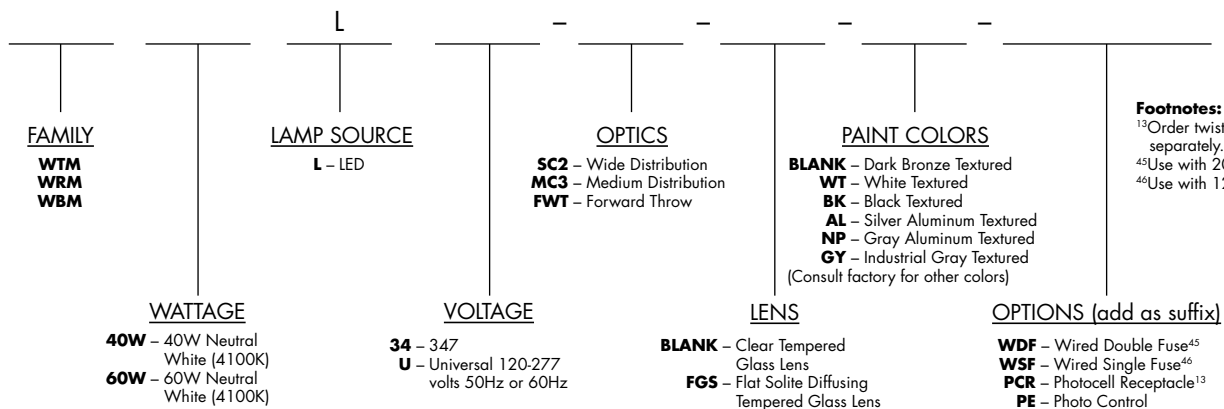
WTM60WLU-MC3
10' MOUNTING HEIGHT / 25' SPACING



100W MH FULL CUTOFF WALL LIGHT
10' MOUNTING HEIGHT / 25' SPACING

Ordering Information

SAMPLE CATALOG NUMBER: WTM60WLU-FWT-BK

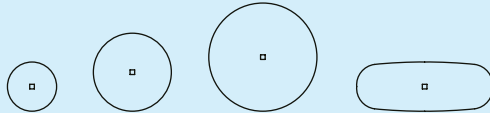


LED Mini Floodlight



The LED Mini Floodlight uses approximately 22 Watts of energy. The small size of this floodlight allows it to be used to create dramatic accent lighting both indoors and outdoors. Flagpoles, landscapes, building facades, and interior architecture can be highlighted with a variety of visual effects. Depending on the distribution used, the light levels on the subject area are comparable to a 70W metal halide floodlight.

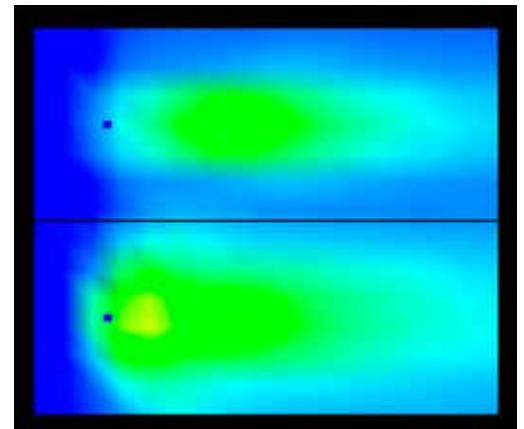
The LED light engine is designed for optimum thermal transfer. The die cast aluminum heat sink is specifically designed to allow the LED light engine to efficiently transfer heat to open air. Light controlling lenses are used to shape the LED output to create narrow, medium, and wide round distributions as well as a linear narrow by medium distribution. The LED light engine comes standard with neutral white LEDs with a nominal CCT of 4100K. Other colors are available upon customer request. All parts of the luminaire, including the LED light engine and the LED driver, are completely replaceable.



FSN24WLU-	NHP	MHP	WHP	NMP
System Watts	23	23	23	23
Initial Delivered Lumens @25°C Ambient	826	762	622	774
Predicted L70 Lifetime @25°C Ambient	>50,000 hrs	>50,000 hrs	>50,000 hrs	>50,000 hrs

Note: L₇₀ lifetime prediction based upon LED manufacturer's supplied LM-80 data and in-situ laboratory testing. Photometric values based on tests performed in compliance with LM-79.

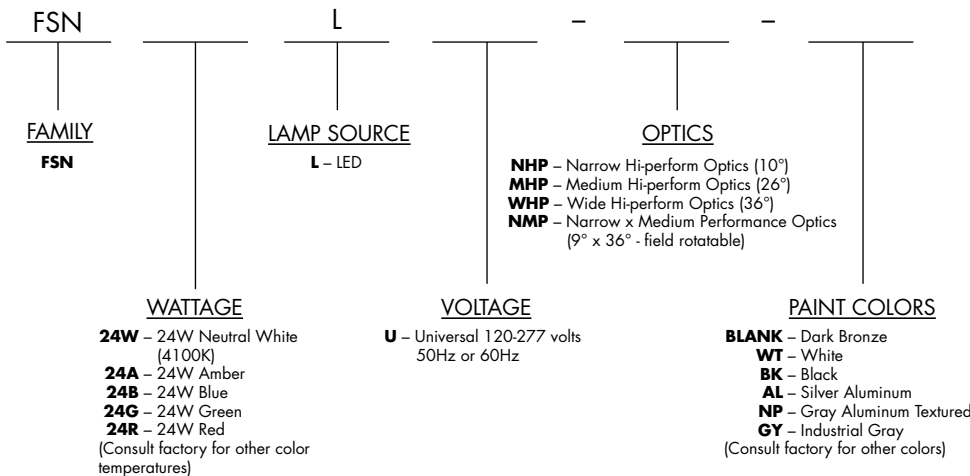
FSN24WLU-NHP
GRAZING APPLICATION SHOWN



70W MH SMALL FLOODLIGHT WITH NARROW OPTICS
GRAZING APPLICATION SHOWN

Ordering Information

SAMPLE CATALOG NUMBER: FSN24WLU-NHP

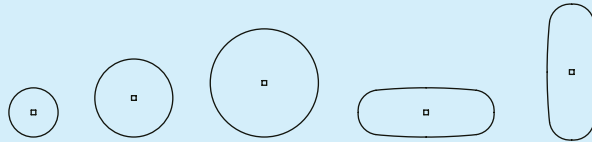


LED Small Floodlight



The LED Small Floodlight is available in a 40 Watt or 60 Watt version. This floodlight is small in size, yet more powerful than the mini floodlight. The bright beam can be used to light taller flagpoles, building facades, parking areas, and general use areas needing security at night. Depending on the distribution used, the small floodlight can meet the illumination levels of a 100W metal halide floodlight.

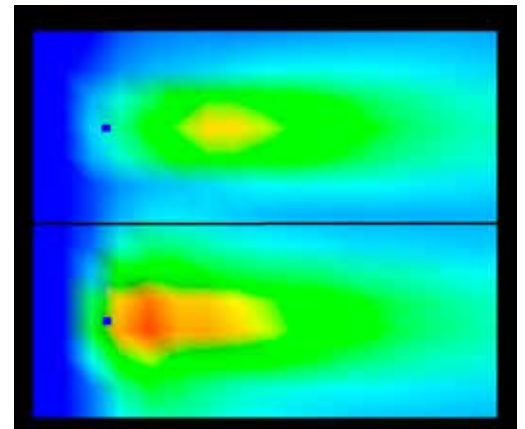
The LED light engine is designed for optimum thermal transfer. The die cast aluminum heat sink is specifically designed to allow the LED light engine to efficiently transfer heat to open air. Light controlling lenses are used to shape the LED output to create narrow, medium, and wide round distributions as well as a linear narrow by medium distribution. The LED light engine comes standard with neutral white LEDs with a nominal CCT of 4100K. Other colors are available upon customer request. All parts of the luminaire, including the LED light engine and the LED driver, are completely replaceable.



FSS40WLU-	NHP	MHP	WHP	NMP	MNP
System Watts	42	42	42	42	42
Initial Delivered Lumens @25°C Ambient	2407	2315	2227	2239	Consult Factory
Predicted L70 Lifetime @25°C Ambient	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs
Predicted L70 Lifetime @40°C Ambient	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs

Note: L₇₀ lifetime prediction based upon LED manufacturer's supplied LM-80 data and in-situ laboratory testing. Photometric values based on tests performed in compliance with LM-79.

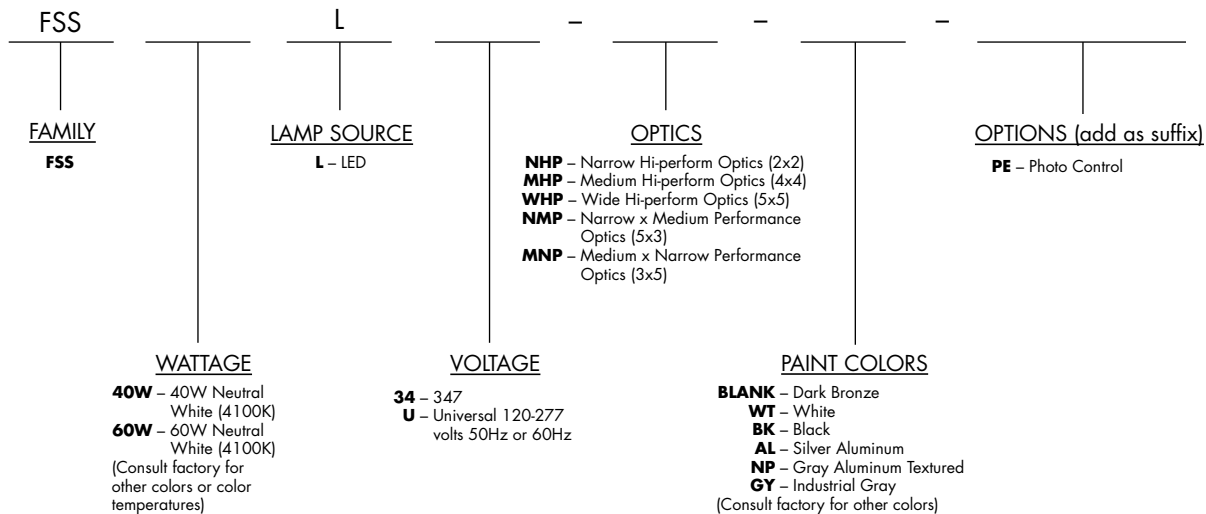
FSS40WLU-NHP
GRAZING APPLICATION SHOWN



100W MH SMALL FLOODLIGHT WITH NARROW OPTICS
GRAZING APPLICATION SHOWN

Ordering Information

SAMPLE CATALOG NUMBER: FSS60WLU-NHP



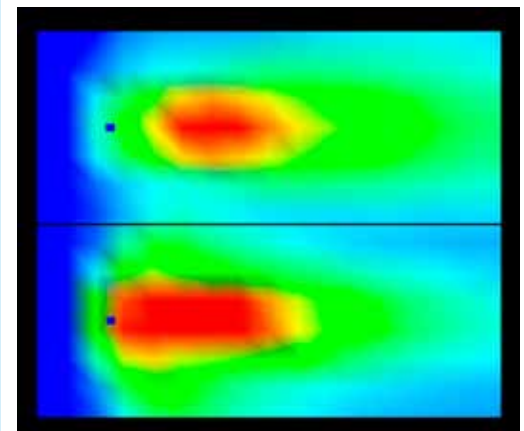
LED Intermediate Floodlight



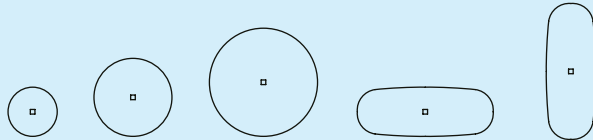
The LED Intermediate Floodlight uses approximately 100 Watts of energy. The versatility of this floodlight makes it a natural replacement for almost any medium wattage HID floodlight. With the yoke mount or slipfitter mount options available, large parking areas, large building facades, building perimeters, dock areas, and signs can be illuminated. Depending on the distribution used, the intermediate floodlight can replace up to a 150W metal halide floodlight.

The LED light engine is designed for optimum thermal transfer. The die cast aluminum heat sink is specifically designed to allow the LED light engine to efficiently transfer heat to open air. Light controlling lenses are used to shape the LED output to create narrow, medium, and wide round distributions as well as a linear narrow by medium distribution. The LED light engine comes standard with neutral white LEDs with a nominal CCT of 4100K. Other colors are available upon customer request. All parts of the luminaire, including the LED light engine and the LED driver, are completely replaceable.

FSI90WLU-NHP
GRAZING APPLICATION SHOWN



150W MH MEDIUM FLOODLIGHT W/NARROW OPTICS
GRAZING APPLICATION SHOWN

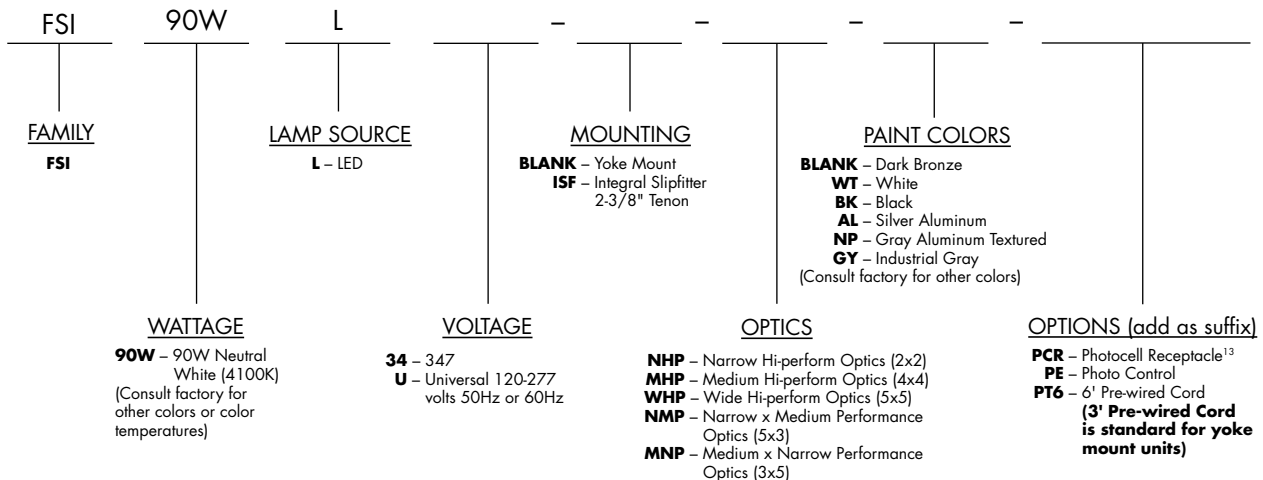


FSI90WLU-	NHP	MHP	WHP	NMP	MNP
System Watts	101	101	101	101	101
Initial Delivered Lumens @25°C Ambient	5549	5315	5227	5211	Consult Factory
Predicted L70 Lifetime @25°C Ambient	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs
Predicted L70 Lifetime @40°C Ambient	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs

Note: L₇₀ lifetime prediction based upon LED manufacturer's supplied LM-80 data and in-situ laboratory testing. Photometric values based on tests performed in compliance with LM-79.

Ordering Information

SAMPLE CATALOG NUMBER: FSI90WLU-NMP



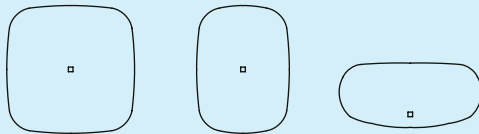
Footnotes:
¹³Order twist lock photo control separately

LED Garage Light



The LED Garage Light uses approximately 94 Watts of energy. The luminaire's low profile makes it perfect for low ceiling heights. These luminaires are excellent for areas where maintenance is difficult or security is extremely important like parking garages, maintenance buildings, freezers, or storage areas. The overall lighting application is approximately equal to using 150W metal halide luminaires.

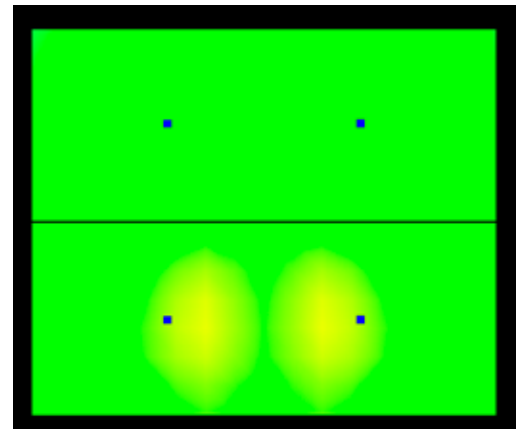
The LED light engine is designed for optimum thermal transfer. The die cast aluminum heat sink allows the LED light engine to efficiently transfer heat to open air. The light controlling lenses are unique and allow the wide angle of light emitted from the LED to be precisely narrowed and aimed. These unique lenses are then placed in a specific array pattern to create a controlled distribution of light. Standard available distributions include a square pattern, a rectangular pattern, and a narrow Type II pattern. The LED light engine comes standard with neutral white LEDs with a nominal CCT of 4100K. Other colors are available upon customer request. All parts of the luminaire, including the LED light engine and the LED driver, are completely replaceable.



GLR90CLU-	SQ5	ASM	SC2
System Watts	94	90	95
Initial Delivered Lumens @25°C Ambient	4891	5034	4930
Predicted L70 Lifetime @25°C Ambient	> 60,000 hrs	> 60,000 hrs	> 60,000 hrs

Note: L₇₀ lifetime prediction based upon LED manufacturer's supplied LM-80 data and in-situ laboratory testing. Photometric values based on tests performed in compliance with LM-79.

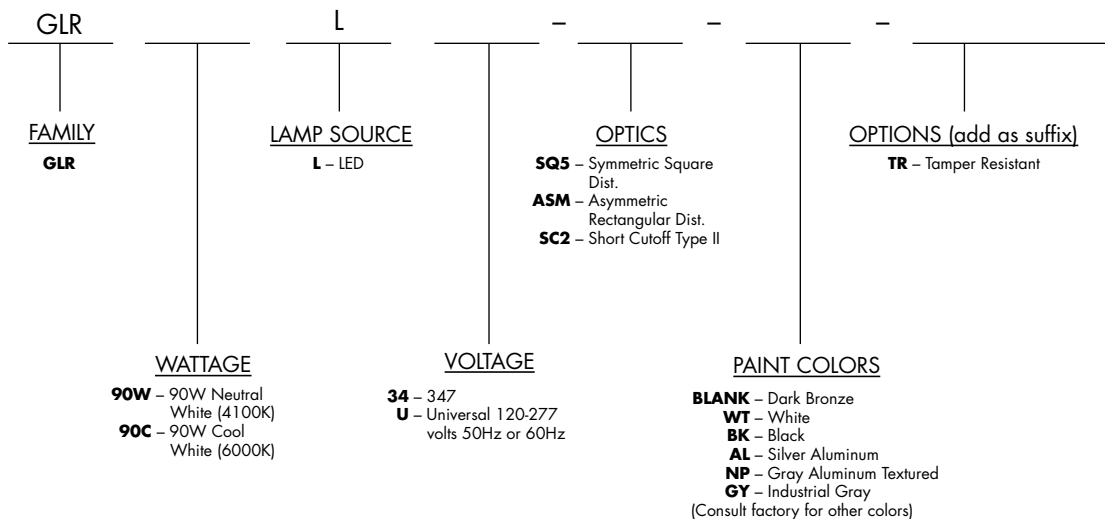
GLR90CLU-SQ5
10' MOUNTING HEIGHT / 25' SPACING



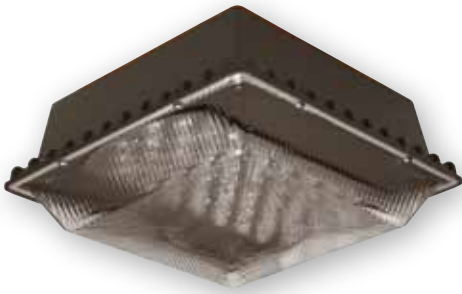
150W MH GARAGE LIGHT
10' MOUNTING HEIGHT / 25' SPACING

Ordering Information

SAMPLE CATALOG NUMBER: GLR90WLU-SQ5

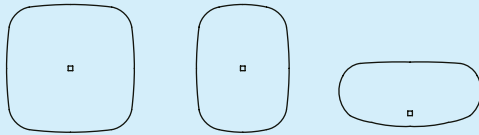


LED Canopy Light



The LED Canopy Light uses approximately 94 Watts of energy. The luminaire's low profile makes it perfect for low ceiling heights. These luminaires are excellent for areas where maintenance is difficult or security is extremely important like walkways, maintenance buildings, corridors, freezers, or storage areas. The overall lighting application is approximately equal to using 100W metal halide luminaires.

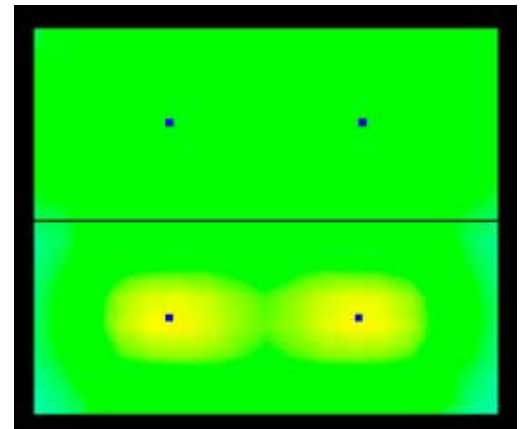
The LED light engine is designed for optimum thermal transfer. The die cast aluminum heat sink allows the LED light engine to efficiently transfer heat to open air. The light controlling lenses are unique and allow the wide angle of light emitted from the LED to be precisely narrowed and aimed. These unique lenses are then placed in a specific array pattern to create a controlled distribution of light. Standard available distributions include a square pattern, a rectangular pattern, and a narrow Type II pattern. The LED light engine comes standard with neutral white LEDs with a nominal CCT of 4100K. Other colors are available upon customer request. All parts of the luminaire, including the LED light engine and the LED driver, are completely replaceable.



CLL90CLU-	SQ5	ASM	SC2
System Watts	94	94	94
Initial Delivered Lumens @25°C Ambient	4902	Consult Factory	Consult Factory
Predicted L70 Lifetime @25°C Ambient	>60,000 hrs	>60,000 hrs	>60,000 hrs

Note: L₇₀ lifetime prediction based upon LED manufacturer's supplied LM-80 data and in-situ laboratory testing. Photometric values based on tests performed in compliance with LM-79.

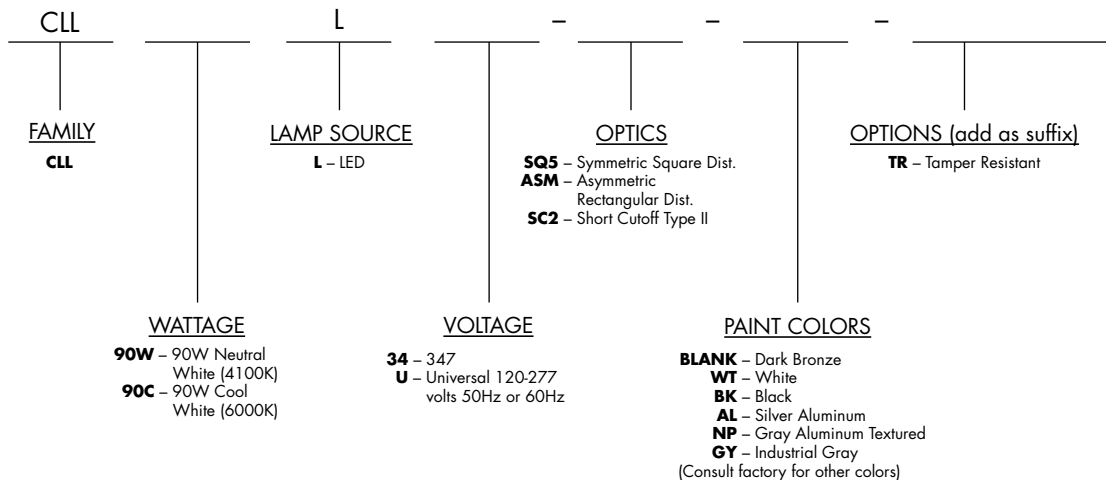
CLL90CLU-SQ5
10' MOUNTING HEIGHT / 25' SPACING



100W MH CANOPY LIGHT
10' MOUNTING HEIGHT / 25' SPACING

Ordering Information

SAMPLE CATALOG NUMBER: CLL90WLU-SQ5

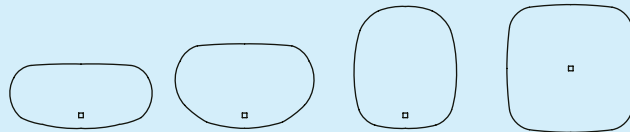


LED Area Light



The LED Area Light uses approximately 95 Watts of energy. The ideal applications are in low mounting height areas where excellent light control is needed. This luminaire is well suited for parking areas, pedestrian walkways, building perimeters, and driveways. The overall lighting application is approximately equal to using 150W metal halide luminaires.

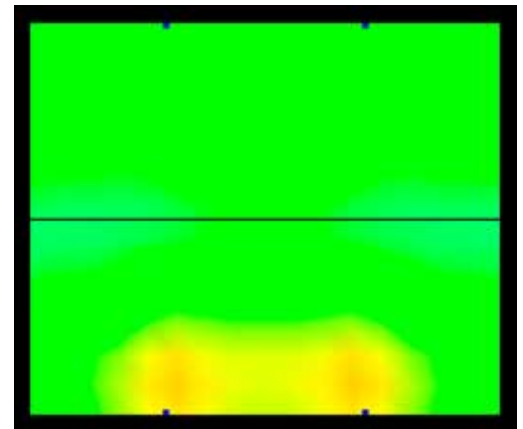
The LED light engine is designed for optimum thermal transfer. The die cast aluminum heat sink allows the LED light engine to efficiently transfer heat to open air. The light controlling lenses are unique and allow the wide angle of light emitted from the LED to be precisely narrowed and aimed. These unique lenses are then placed in a specific array pattern to create a controlled distribution of light. Standard available distributions include a wide, medium, forward throw, and square pattern distributions. The LED light engine comes standard with neutral white LEDs with a nominal CCT of 4100K. Other colors are available upon customer request. All parts of the luminaire, including the LED light engine and the LED driver, are completely replaceable.



SBX90CLU-	SC2	MC3	FWT	SQ5
System Watts	95	95	95	95
Initial Delivered Lumens @25°C Ambient	4114	4411	4312	4314
Predicted L70 Lifetime @25°C Ambient	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs

Note: L₇₀ lifetime prediction based upon LED manufacturer's supplied LM-80 data and in-situ laboratory testing. Photometric values based on tests performed in compliance with LM-79.

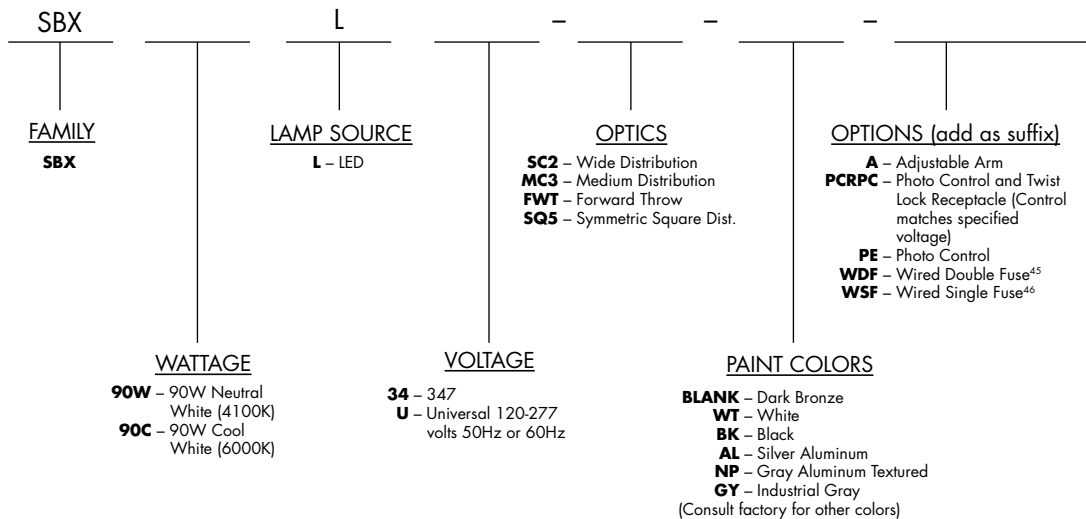
SBX90CLU-MC3
15' MOUNTING HEIGHT / 25' SPACING



150W MH SHOEBOX WITH TYPE 3 OPTICS
15' MOUNTING HEIGHT / 25' SPACING

Ordering Information

SAMPLE CATALOG NUMBER: SBX90WLU-MC3



Footnotes:
⁴⁵Use with 208 and 240 volt.
⁴⁶Use with 120, 277 and 347 volt.



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Rev. 0610CT.10M
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