

LED Commercial Lighting







LED Tube • LED Panel • LED High bay • LED Street and More



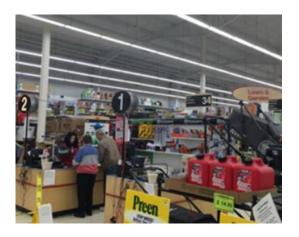
Company Profile

GLE LED is a division of Great Lakes Electric, LLC, a company based in St. Joseph, Michigan and dedicated to the application and adoption of renewable energy and energy efficiency technology. The LED division launched in 2015 with the goal of supplying top quality commercial LED lighting products to Southwest Michigan and Northern Indiana. We regularly sell lighting solutions to electrical professionals, general contractors, property managers, educational facilities, municipal institutions, and a wide array of commercial and retail entities.

About Our Founder

John Zhang created Great Lakes Electric in 2008, initially focusing on design and integration consultation for advanced variable speed motor control systems. He received a PhD in Electrical Engineering from the Politecnico di Torino (Turin, Italy). He then spent 12 years working for Whirlpool Corporation and developed into one of the international appliance manufacturer's most valuable technical minds. Dr. Zhang has been a Fellow of IEEE, the Institute of Electrical and Electronics Engineers, since 2008. He now spends his decades of expertise in electrical appliances and industrial drive and control applications evaluating quality LED lighting products for his clients in Michiana.





The GLE Advantage

The LED lighting market has expanded dramatically in recent years, with countless manufacturers offering subpar or overpriced products. GLE LED is positioned to navigate this complicated, oversaturated market to locate the best products in a way that few other American distributors can match. Dr. Zhang has partnered with a former colleague running a large electronic components exporting company in Shenzhen, China. Through this partnership, GLE has gained access to a dynamic sourcing network in the region. We utilize their resources for product evaluation, quality control testing, warehousing, and logistics support in China, overseen by frequent visits by the GLE technical staff. When the product arrives in Michigan, GLE personnel perform another wave of quality testing, ensuring we only offer the best products.

GLE sales staff members are well-versed on the unique benefits of each product line. We work diligently, passionately, and with integrity to satisfy our customers' specific lighting needs with the best solution available. GLE can compete on price with the major distribution centers while offering service carefully catered to individual project specifications and customer concerns. We at Great Lakes Electric are confident that we can bring Midwest customers the highest quality LED lighting options with top-notch service to match.

All LED lighting products we offer (whether GLE branded or our suppliers' brands) are certified by 3rd party standards (UL, DLC, EnergyStar, etc.). These ratings make GLE's product line eligible for standard energy efficiency rebate programs from utility companies.















Product Catalog

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GLE Your Reliable LED Lighting Supplier

LED Tube Lights: Plug-and-Play Hybrids

Applications

- Retrofit to replace any 4-foot
 T12 or T8 fluorescent tubes
- Use with new LED-capable troffer fixtures



- Shatter-proof acrylic lens
- Mercury-free
- Instantly reaches full brightness
- DLC / UL / CE listed
- Non-dimmable
- 50,000 hour lifespan (DLC rated)
- 5 year manufacturer warranty



Benefits

- 40-60% energy savings
- The closest interior light to daylight
- · No ballasts, no flicker, no humming
- Easy to install
- Energy Efficiency Rebate eligible

Product & Installation Notice

- All GLE brand T8 lights are Plug-and-Play style tubes that fit with the existing ballast connection: Directly replace old fluorescent tubes without modification, or retrofit T12 or T8 fixtures by disconnecting the ballast.
- We recommend that the original ballast be fully removed or at least disconnected from the power connection for maximum power savings.
- Turn off the power when installing or changing tubes.



LED Tube Lights

4-ft T8

Dimensions: L 4', D 1" Weight: 0.3 lbs

Specifications



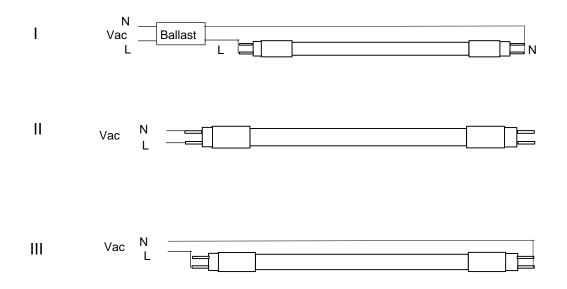
4-ft T8' Tubes				
SKU	GLE-T8-18W- 1200PW	GLE-T8-18W-1200PN	GLE-T8-18W- 1200PD	GLE-T8-20W- 1200PD
Ceiling height	Under 15 feet	Under 15 feet	Under 15 feet	High bay
Color temp.	3,000 K	4,000 K	5,000 K	5,000 K
Light output	2,000 LM	2,000 LM	2,000 LM	2,400 LM
Power	18 W	18 W	18 W	20 W
Replacement	32W / 40W	32W / 40W	32W / 40W	32W / 40W
Life time	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs
Voltage	100-277 V	100-277 V	100-277 V	100-277 V





Electric Connection Diagram - G13

- Configuration 1: Plug-and-Play (Use existing ballast, no retrofit required)
- Configuration 2: Direct wiring (single-sided)
- Configuration 3: Direct wiring (double-sided, common ballast bypass configuration)





LED Tube Lights

8-ft T8

Dimensions: L 8', D 1" Weight: 0.6 lbs





8-ft T8 Tubes		
SKU	GLE-T8-40W-2400PD	
Color temp.	5,000 K	
Light output	4,800 LM	
Power	40 W	
Replacement	80 W	
Lifetime	50,000 Hrs	
Voltage	100-277 V	





Electric Connection Diagram - Single-Pin

- The single-pin 8-ft T8 LED tubes provided by GLE are NOT hybrid plug-and-play tubes like the 4-ft options listed on pages 1 and 2. The ballast must be bypassed for the 8-ft T8 tubes to function.
- The 8-ft T8 LED tubes are compatible replacements for single-pin T8 or T12 fluorescent tubes.
- Turn off the power when installing or changing tubes.





LED Panels

Applications

- Office Buildings
- Educational & Institutional
- Commercial & Retail



Features

- Integrated panel structure (no bulbs)
- DLC / UL listed, FCC compliant
- Flicker-free panel light
- Dimmable 1-10V
- 50,000 hour lifespan (DLC rated)
- 5 year manufacturer warranty

Benefits

- Sleek, elegant and unobtrusive design
- Seamless steel framing structure
- Fully sealed, clean, safe and durable
- Easy to install
- Uniform and comfortable lighting
- Energy Efficiency Rebate eligible

Product & Installation Notice

- New generation light: Our LED panels are the new generation of lighting design, delivering uniform and comfortable lighting distribution in any space. They also offer a seamless and fully sealed durable steel construction and significantly lower energy consumption (up to 50% savings from fluorescents).
- Truly flicker-free: Special design and technology achieve a truly non-flickering state.
 GLE tubes have no flicker visible to the human eye, but the panels eliminate the flicker entirely. This light is a perfect fit for conference rooms or other places where comfortable, quality lighting is required. A gentler option for more therapeutic settings.



LED Panels

Specifications



Dimensions: L 48" x W 24" x H 0.4"

Weight: 16 lbs



2' x 4' SKU PL-6012-72D-NW PL-6012-50D-NW Voltage 100-277 V 100-277 V Color Temp. 4,000 K 4,000 K Light output 7,000 LM 5,000 LM Power 72 W 50 W 6 x T8 4' 4 x T8 4' Replacement Life time 50,000 Hrs 50,000 Hrs

2' x 2'

Dimensions: L 24" x W 24" x H 0.4"

Weight: 9 lbs



2' x 2'			
SKU	PL-6060-36D-NW	PL-6060-36D-PW	
Voltage	100 - 277V	100 - 277V	
Color Temp.	4,000 K	5,000 K	
Light output	3,500 LM	3,600 LM	
Power	36 W	36 W	
Replacement	2 x T8 U-Bend	2 x T8 U-Bend	
Life time	50,000 Hrs	50,000 Hrs	

1' x 4'

Dimensions: L 48" x W 12" x H 0.4"

Weight: 8 lbs



	1' x 4'	
SKU	PL-3012-36D-NW	PL-3012-36D-PW
Voltage	100 - 277V	100 - 277V
Color Temp.	4,000 K	5,000 K
Light output	3,500 LM	3,600 LM
Power	36 W	36 W
Replacement	2 x T8 4'	2 x T8 4'
Life time	50,000 Hrs	50,000 Hrs







Emergency LED Panels

Applications

- Office Buildings
- Educational & Institutional
- Commercial & Retail



Features

- Integrated panel structure (no bulbs)
- DLC / UL listed, FCC compliant
- Flicker-free panel light
- Dimmable 1-10V
- 50,000 hour lifespan (DLC rated)
- 5 year manufacturer warranty

Benefits

- Ni-Cd battery back up for 90 minutes
- Automatically switch to fit conditions
- Smart charge-discharge control
- More safe and reliable MCU chip driver
- Fully protected operations
- Easy to install

Product & Installation Notice

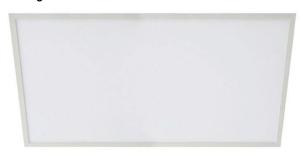
- New emergence LED panel: Our new emergence LED panels carry all the benefits
 of our regular LED panels deliver in terms of performance, energy saving and
 durability. In addition, they could provide 90 minutes of emergence lighting service
 based on a Ni-Cd battery back up.
- Smart MCU-LED driver: The new LED driver has a MCU chip on board to control the
 operations of lighting, charge-discharge with fully protected features. Breakthrough
 driver hardware and software design and manufacturing process ensures the
 products comfortable, safe and reliable.



2' x 4'

Dimensions: L 48" x W 24" x H 0.4"

Weight: 15 lbs



2' x 2'

Dimensions: L 24" x W 24" x H 0.4"

Weight: 8 lbs



Emergency LED Panels

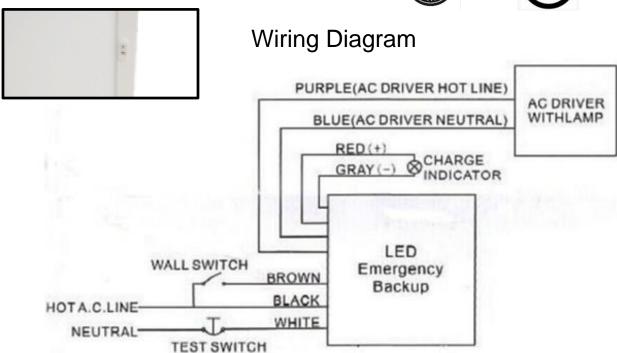
Specifications

2' x 4'		
SKU	PL-24-50WEM-S40KA	
Voltage	100-277 V	EM Mode
Color Temp.	4,000 K	Power: 12 W
Light output	5,000 LM	Duration: > 90 Mins
Power	50 W	Charging T: 24 hrs
Replacement	6 x T8 4'	Battery type: Ni-Cd
Life time	50,000 Hrs	Capacity: 3,000 mAH

2' x 2'			
SKU	PL-22-40WEM-S40KA		
Voltage	100 - 277V	EM Mode	
Color Temp.	4,000 K	Power: 8 W	
Light output	4,000 LM	Duration: > 90 Mins	
Power	36 W	Charging T: 24 hrs	
Replacement	2 x T8 U-Bend	Battery type: Ni-Cd	
Life time	50,000 Hrs	Capacity: 2,000 mAH	









LED Recessed Downlight Retrofit

Applications

- Residential
- Office and Lobby Settings
- Commercial & Retail



Features

- Directly replace halogen bulbs
- 120 VAC Triac dimming driver
- EnergyStar / UL listed
- 50,000 hour lifespan (DLC rated)
- 5 year manufacturer warranty

Benefits

- Sleek ceiling aesthetic after retrofit
- Dimmable with standard dimmer switches (uncommon for LED)
- Easy to install
- Instantly reaches full brightness
- Energy Efficiency Rebate eligible

Product & Installation Notice

Downlight retrofit:

The recessed downlight retrofit products provide an ideal solution to retrofit any existing recessed halogen can light fixture. They can replace either the original halogen bulbs or the equivalent CFL replacement bulbs.



6", 13 W

Dimensions: D 7 " Weight: 0.44 lbs



6", 13 W

Dimensions: D 7" Weight: 0.44 lbs



4", 9 W

Dimensions: D 5" Weight: 0.33 lbs







LED Can Downlights

Specifications

6", 13W			
SKU	YRDL-13065-004D	YRDL-13065-004D	
Voltage	120 V	120 V	
Color Temp.	4,000 K	5,000 K	
Light output	1,300 LM	1,300 LM	
Power	13 W	13 W	
Power factor	120 W	120 W	
Life time	50,000 Hrs	50,000 Hrs	

6", 13W			
SKU	YRDL-13063-004D	YRDL-13063-004D	
Voltage	120 V	120 V	
Color Temp.	3,000 K	3,000 K	
Light output	1,300 LM	1,100 LM	
Power	13 W	13 W	
Replacement	120 W	85 W	
Life time	50,000 Hrs	50,000 Hrs	

4", 9W			
SKU	YRDL-09044-004D	YRDL-09045-004D	
Voltage	120 V	120 V	
Color Temp.	4,000 K	5,000 K	
Light output	1,100 LM	1,100 LM	
Power	9 W	9 W	
Replacement	85 W	85 W	
Life time	50,000 Hrs	50,000 Hrs	



High Bay Lights

Applications

- Workshop, factory buildings
- Warehouses
- Large supermarket
- Exhibition hall
- Gymnasium

Features

- Nanotechnology heat dissipation
- DLC / UL listed, FCC compliant
- 50,000 hour lifespan (DLC rated)
- 5 year manufacturer warranty



Benefits

- Big energy savings over HID bulbs
- Fully protected, reliable lighting device
- Fully sealed, clean, safe and durable
- Energy Efficiency Rebate eligible

Product & Installation Notice

Reflector options:

Reflectors offer multiple angle options for the best lighting distribution to fit any space. Typical reflector angles are 90 degrees and 60 degrees;

Two materials Acrylic and Aluminum are optional;

Acrylic defused cover is optional.

Voltage grades:

Two voltage grades available: 100-277V, and 220-480V.



240W / 200W

LED High Bay

Dimensions (carton): L 17.4" x W 17.4" x H 8.1"

Weight: 14.3 lbs

Specifications



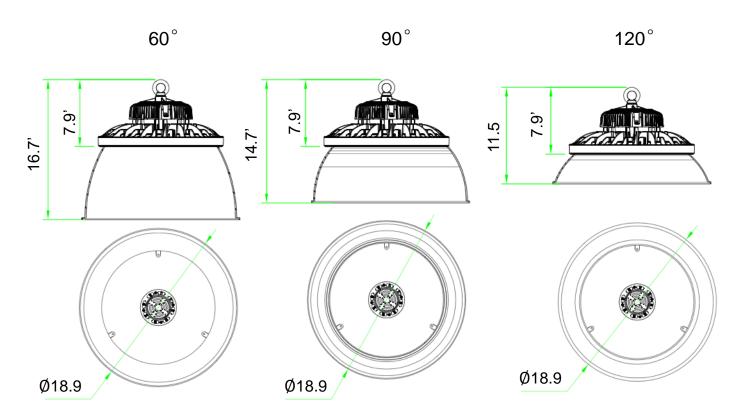




240W/200W			
SKU	HB-240C-277-50	HB-200C-277-50	
Voltage	100-277 V	100-277 V	
Color Temp.	5,000 K	5,000 K	
Light output	34,000 LM	29,000 LM	
Power	240 W	200 W	
Replacement HID	> 400 W	> 400 W	
Life time	50,000 Hrs	50,000 Hrs	

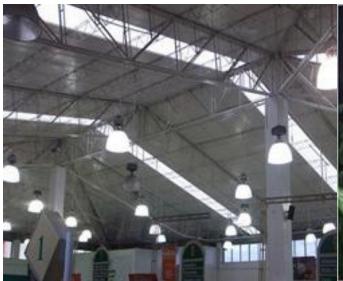
Reflectors

- Shape options: 60, 90 120 degree reflectors;
- · Acrylic defused cover.





Corn Cob Lights





Applications

- Indoor and outdoor
- Street pole lights
- Industrial and commercial buildings
- Exhibition hall, gymnasium

Benefits

- Big energy savings
- Directly replace existing CFL / HID lights
- Cost effectiveness
- Energy Efficiency Rebate eligible

Features

- IP54 / IP40 protection system, dustproof
- Special cooling system with aluminum heat fins
- Options for G24, E26, E27, E39, & E40 sockets
- DLC / UL listed, FCC compliant
- 50,000 hour lifespan (DLC rated)
- 5 year manufacturer warranty

Product & Installation Notice

Ballast removal or bypass, when applicable:

Remove or bypass the electronic ballast in the fixtures before installing the lamps. Don't disassemble the lamp products.

IP40 and IP54 product:

There are two design styles: IP40 and IP54 packages. The IP40 operates with most indoor fixtures and certain enclosed outdoor fixtures. The IP54 operates with more exposed outdoor fixtures or higher moisture indoor environments.



LED Corn Cob

IP40 15W to 120W



Specifications



15W, 20W, 40W, 60W, 80W 100W, 120W			
SKU	SNC-CL-15/120WA	SNC-CL-15/120WA	
Voltage	100 - 277 V	100 - 277V	
Color Temp.	4,000 K	5,000 K	
Light output	1,650/13,500 LM	1,650/13,500 LM	
Power	15 W - 120 W	15 W – 120 W	
Power factor	> 0.95	> 0.95	
Life time	50,000 Hrs	50,000 Hrs	

IP54 15W to 120W





15W, 20W, 40W, 60W, 80W 100W, 120W		
SKU	SNC-CLW-15/120WA	SNC-CLW-15/120WA
Voltage	100 - 277 V	100 - 277 V
Color Temp.	4,000 K	5,000 K
Light output	1,650 / 13,500 LM	1,650 / 13,500 LM
Power	15 W – 120 W	15 W – 120 W
Power factor	> 0.95	> 0.95
Life time	50,000 Hrs	50,000 Hrs







180° Cob Lights

Applications

- Retrofit outdoor lights
- Street, parking, wall lights
- Industrial and commercial











Features

- Directly replace existing Metal Halide lights
- Compatible with many fixture styles for retrofit
- Special base design for easy installation
- DLC / UL listed, FCC compliant
- 50,000 hour lifespan (DLC rated)
- 5 year manufacturer warranty

Benefits

- Ideal solution to retrofit existing HID lights
- Big energy savings
- Very cost effective
- Easy installation
- Energy Efficiency Rebate eligible

Product & Installation Notice

Ballast remove or bypass:

Remove or bypass the electronic ballast in the fixtures before installing the lamps. Don't disassemble the lamp products.



180° LED Cob Lights

115W

Dimensions (carton): L 6.5" x W 3.5" x H 13.5" Weight: 2.5 lbs



Specifications

115W		
SKU	GLE-RF115-277-40	GLE-RF115-277-50
Voltage	100-277 V	100-277 V
Color Temp.	4,000 K	5,000 K
Light output	17,000 LM	17,000 LM
Power	115 W	115 W
Replacement HID	400 W	400 W
Life time	50,000 Hrs	50,000 Hrs

75W

Dimensions (carton): L 6.5" x W 3.5" x H 13.5" Weight: 2.5 lbs



	75W	
SKU	GLE-RF75-277-40	GLE-RF75-277-50
Voltage	100-277 V	100-277 V
Color Temp.	4,000 K	5,000 K
Light output	11,000 LM	11,000 LM
Power	75 W	75 W
Replacement HID	250 W	250 W
Life time	50,000 Hrs	50,000 Hrs

54W

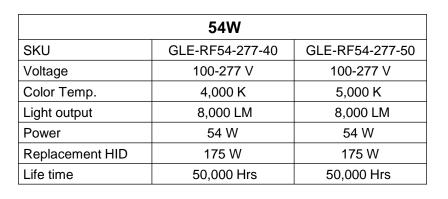
Dimensions (carton): L 6.5" x W 3.5" x H 10.5" Weight: 2.0 lbs













Wall and Ground Lights



Applications

- Outdoor and (limited) indoor
- Wall and ground lights
- Industrial and commercial buildings

Benefits

- Big energy savings
- Fully protected, reliable lighting device
- Hollowed design for better heat dissipation
- Energy Efficiency Rebate eligible

Product & Installation Notice

- GLE frequently adjusts inventory of wall and ground lights according to customer feedback.
- Regardless, anything included in this catalogue is available for special order. We are also always evaluating new model options, so check with GLE directly about all current options.

Features

- IP65 protection grade, safe anywhere
- Power range, 80, 100 to 150 W
- Voltage, AC 100 277V
- DLC / UL listed, FCC compliant
- 50,000 hour lifespan (DLC rated)
- 5 year manufacturer warranty



Wall Lights

WP- 18, 26A

Dimensions (carton): L 10" x W 6" x H 4"

Weight: 2 lbs





WP-60, 100B

Dimensions (carton): L 14" x W 10.5" x H 5.5"

Weight: 10 lbs



WP-90, 130C

Dimensions (carton): L 15" x W 10.5" x H 9.5" Weight: 15 lbs







Specifications

	WP- A	
SKU	WL-18WA	WL-26WA
Voltage	100-277 V	100-277 V
Color Temp.	5,000 K	5,000 K
Light output	1,800 LM	2,600 LM
Power	18 W	26W
Light sensor	Yes	Yes
Life time	50,000 Hrs	50,000 Hrs

	WP-B	
SKU	WP-60B	WP-100B
Voltage	100-277 V	100-277 V
Color Temp.	5,000 K	5,000 K
Light output	6,600 LM	11,000 LM
Power	60 W	100 W
Replacement	200 W	250 W
Life time	50,000 Hrs	50,000 Hrs

	WP-C	
SKU	WP-90C	WP-130C
Voltage	100-277 V	100-277 V
Color Temp.	5,000 K	5,000 K
Light output	10,000 LM	14,000 LM
Power	90 W	130 W
Replacement	250 W	400 W
Life time	50,000 Hrs	50,000 Hrs

Canopy, Floor Lights

CNP-75W

Dimensions (6 pcs carton): L 21.3" x W 21.3" x H 11.4" Weight: 42 lbs

Specifications



50W/100W		
SKU	CNP-75A-50	CP-100A-50
Voltage	100-277 V	100-277 V
Color Temp.	5,000 K	5,000 K
Light output	9,000 LM	12,000 LM
Power	75 W	100 W
Replacement	250 W	400 W
Life time	50,000 Hrs	50,000 Hrs

FL-50W

Dimensions (6 pcs carton): L 13" x W 13" x H 31.5"

Weight: 36.3 lbs



	30W / 50W	
SKU	FL-30W-277-50	FL-50W-277-50
Voltage	100-277 V	100-277 V
Color Temp.	5,000 K	5,000 K
Light output	3,600 LM	6,000 LM
Power	30 W	50 W
Replacement	250 – 400 W	250 – 400 W
Life time	50,000 Hrs	50,000 Hrs

BN-58W

Dimensions (4 pcs carton): L 23" x W 15" x H 13" Weight: 18 lbs



	58 W	
SKU	BN-58W-50	WL-58W-277-40
Voltage	100-277 V	100-277 V
Color Temp.	5,000 K	5,000 K
Light output	6,500 LM	6,500 LM
Power	58 W	58 W
Replacement	250 W	250 W
Life time	50,000 Hrs	50,000 Hrs







Parking and Street Lights



Applications

- Outdoor
- Street and parking lights
- Industrial and commercial

Benefits

- Big energy savings
- Fully protected, reliable lighting device
- Hollowed design for better heat dissipation
- Energy Efficiency Rebate eligible

Features

- IP65 protection grade, safe anywhere
- Power range, 150 to 300 W
- Voltage, AC 100 277V
- DLC / UL, ETL listed, FCC compliant
- 50,000 hour lifespan (DLC rated)
- 5 year manufacturer warranty

Product & Installation Notice

Mounting interface fixtures:

One mounting fixture fits different pole shapes (i.e. square or cylindrical). The specially-designed mounting fixture separates the mounting bracket from the light head, which makes installation fairly easy even for a single installer.



PL02-150W

Dimensions (carton): L 12.5" x W 12.5" x H 24" Weight: 25 lbs



Parking Lights

Specifications

	150W	
SKU	PL02-150W-40	PL02-150W-50
Voltage	100-277 V	100-277 V
Color Temp.	4,000 K	5,000 K
Light output	120 LM/W	120 LM/W
Power	150 W	150 W
Replacement	400 W	400 W
Life time	50,000 Hrs	50,000 Hrs

PL02-200W

Dimensions (carton): L 12.5" x W 12.5" x H 24" Weight: 25 lbs



200W		
SKU	PL02-200W-40	PL02-200W-50
Voltage	100-277 V	100-277 V
Color Temp.	4,000 K	5,000 K
Light output	120 LM/W	120 LM/W
Power	200 W	200 W
Replacement	400 W	400 W
Life time	50,000 Hrs	50,000 Hrs

PL02-300W

Dimensions (carton): L 22.5" x W 12.5" x H 24" Weight: 35 lbs



	300W	
SKU	PL02-300W-40	PL02-300W-50
Voltage	100-277 V	100-277 V
Color Temp.	4,000 K	5,000 K
Light output	120 LM/W	120 LM/W
Power	300 W	300 W
Replacement	600-1000 W	600-1000 W
Life time	50,000 Hrs	50,000 Hrs







Street Lights

SL02-150W

Dimensions (carton): L 10.5" x W 10.5" x H 17.5" Weight: 16 lbs



Specifications

150W			
SKU	SL02-150W-40	SL02-150W-50	
Voltage	100-277 V	100-277 V	
Color Temp.	4,000 K	5,000 K	
Light output	18,000 LM	18,000 LM	
Power	150 W	150 W	
Power factor	400 W	400 W	
Life time	50,000Hrs	50,000 Hrs	

SL02-200W

Dimensions (carton): L 10.5" x W 10.5" x H 17.5" Weight: 20 lbs



200 W		
SKU	SL02-200W-40	SL02-200W-50
Voltage	100-277 V	100-277 V
Color Temp.	4,000 K	5,000 K
Light output	22,000 LM	22,000 LM
Power	200 W	200 W
Power factor	400 W	400 W
Life time	50,000 Hrs	50,000 Hrs

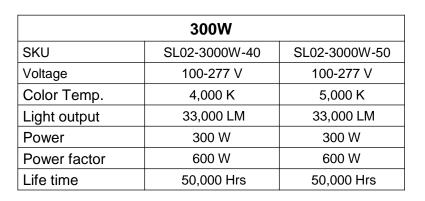
SL02-300W

Dimensions (carton): L 10.5" x W 10.5" x H 17.5" Weight: 26 lbs











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Great Lakes Electric

December 2018