

Guideway® Series

Guideway® LED Street Luminaire featuring Patented NanoComfort® Technology – Small, Medium & Large

Rev. Date: V8 02/11/2025

Product Description

The new Guideway® family of roadway lighting is a game-changing solution designed from the ground up, offering a fresh start that brings levels of performance and visual comfort previously out of reach. The Guideway® Series fundamentally shifts expectations of the standard streetlight – how it performs, its standard features, and most significantly, the degree of visual comfort it provides. With Cree Lighting's new NanoComfort® Technology, the Guideway Series hits the comfort sweet spot without the prohibitive price tag, providing demonstrably better comfort and performance for the money.

Applications: Residential roads, collector roads, multi-lane freeways, express ways, major roads, parking lots, and general area spaces

Performance Summary

Utilizes Patented NanoComfort® Technology

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: 2,980 - 31,900

Efficacy: Up to 168 LPW

CRI: Minimum 70 CRI (2700K, 3000K, 4000K, 5700K); 80 CRI (2200K)

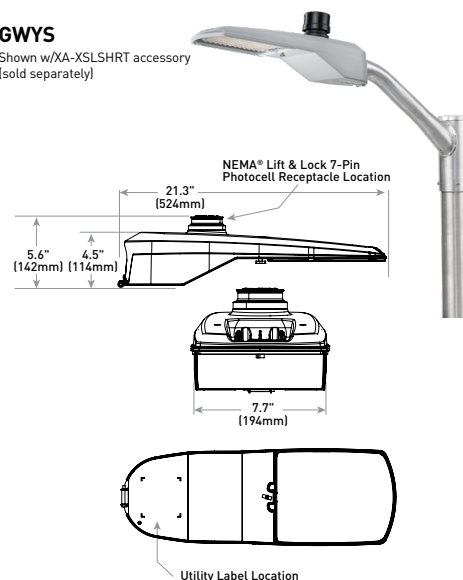
CCT: 2200K, 2700K, 3000K, 4000K, 5700K

Limited Warranty*: 5 years standard for luminaire and finish; optional 10 years for luminaire and finish; 1 year for luminaire accessories

* See <https://www.creelighting.com/resources/warranties/> for warranty terms.

GWYS

Shown w/XA-XSLSHRT accessory (sold separately)



Luminaire	Weight
GWYS	8.2 lbs. (3.7kg)

GWYM/GWYL Luminaire - See page 18 for photos & dimensions.
Note: For SL voltage, deduct 1.0 lb. (0.5kg).

Ordering Information

Example: GWYS-A-4L-30K7-2M-UL-GY

Luminaire									
GWY		A							
Family	Size	Series	Lumen Package*	CCT/CRI	Optic	Voltage	Finish	Controls	Options
GWY	S Small M Medium L Large	A	Small	22K8	2M**	UL	BK	DLI DALI Compatible	20KV 20kV/10kA Surge Suppression
			4L	2200K, 80 CRI	Type II Mid	Universal 120-277V	Black	- Available with all lumen packages except 4L & 17L	- Replaces standard 10kV/5kA surge protection
			6L	2700K, 70 CRI	Type II Narrow	UH	BZ	- Available only with UL voltage	4B 4-Bolt Mounting
			8L	3000K, 70 CRI	Type III Mid	Universal 347-480V	Bronze	- Not available with Q controls	- Available only with medium and large luminaires
			10L	4000K, 70 CRI	Type IV Mid	- Available only with 6L-32L lumen packages	Grey	- Not available with U or X options	U No NEMA Receptacle
			12L	5700K, 70 CRI	Type V Mid		White	Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output	- Standard ANSI C136.41 compatible 7-pin receptacle is removed
			14L					- Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1	- Standard external wattage label per ANSI C136.15-2020 remains
			16L					- 6L lumen package is available only with Q9-Q3 settings	- Not available with SL option
			18L					- Offers full range adjustability	W10 10-Year Limited Luminaire/Finish Warranty
			20L					- Refer to pages 9-17 for power and lumen values	- Replaces standard 5-year limited warranty for luminaire and finish
			22L					- Available only with UL or UH voltages	X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output
			24L					- Not available with DLI controls	- Must select X8, X7, X6, X5, X4, X3, X2, or X1
			26L					- Not available with X options	- 6L lumen package is available only with X8-X3 settings
			28L						- Available only with UL or UH voltages
			30L						- Not available with DLI or Q controls
			32L						- Lumen output is permanently locked to the setting selected
			34L						- Refer to pages 9-17 for power and lumen values

* Lumen Package codes identify approximate light output only. Actual lumen output levels vary depending on CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values.

** Available with Backlight Shield when ordered with field installed accessory (see table on page 2).



Website: [creelighting.com](https://www.creelighting.com)

US: (800) 236-6800 Canada: (800) 473-1234

CREE **LIGHTING**

Product Specifications

CREE LIGHTING NANOCOMFORT® TECHNOLOGY

Cree Lighting’s NanoComfort® Technology ends the trade-offs in outdoor lighting by providing superior glare reduction and visual comfort in high-efficiency illumination delivered precisely where it is needed. The basic building block of NanoComfort® Technology is a compact 4x4 array of LEDs. Each of the 16 LEDs in a module is in contact with its own acrylic polymer lens to capture and precisely direct light. With NanoComfort® Technology, the acrylic optics are cut and sculpted into facets that relieve the glare and harshness while improving visual comfort – all while retaining superb efficacy and control.

CONSTRUCTION & MATERIALS

- Die cast aluminum (413) housing w/18 ga. steel door
- Acrylic optic w/clear tempered glass lens
- Some versions are provided with full circuit board, but not fully populated with LEDs or optics to scale back lumen package
- Tool-less entry
- Mounts on 1.25" (32mm) IP, 1.66" (42mm) O.D. or 2" (51mm) IP, 2.375" (60mm) O.D. horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° to allow for fixture leveling (includes two axis T-level to aid in leveling)
- Luminaire secures with two 410 stainless steel mounting bolts; optional four bolt mounting available for medium and large luminaires
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable black, bronze or grey powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion
- Comes standard with 7-pin NEMA® Lift & Lock Photocell Receptacle per ANSI C136.41, and Utility Label per ANSI C136.15-2020. 0-10V dim leads factory connected to 7-Pin Requires photocell or shorting cap (by others). Luminaire is available without 7-Pin NEMA® Lift & Lock Photocell Receptacle when ordered with U option.
Note: Luminaires with SL voltage do not include a NEMA® Photocell Receptacle or utility label.

Luminaire	Weight	Adder for Shielding	
		BLS /FLS	CLS
GWYS	8.2 lbs. [3.7kg]	1.2 lbs. [0.6kg]	2.4 lbs. [1.1kg]
GWYM	12.2 lbs. [5.5kg]	1.8 lbs. [0.8kg]	2.9 lbs. [1.3kg]
GWYL	18.2 lbs. [8.3kg]	3.2 lbs. [1.4kg]	4.4 lbs. [2.0kg]

- Note: For bird spikes, add 0.4 lbs. [0.2kg].
- Includes QR code on the interior sidewall of the housing next to the UL label which provides access to: Online installation instructions, Luminaire information (Part number, Serial number, Build date, and Warranty end date), and Warranty claim submission form
- Duplicate 1" and 2" QR code labels are included. 1" labels can be affixed inside pole bases, next to fixtures, on site plans, or in maintenance records. 2" labels can be scanned from the ground when placed at an appropriate height

ELECTRICAL SYSTEM

- Input Voltage:** 120-277V or 347-480V 50/60Hz
- Power Factor:** > 0.9 at full load
- Total Harmonic Distortion:** < 20% at full load
- Integral 10kV/5kA surge suppression protection standard; 20kV/10kA surge suppression protection optional
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Dims to 10% through the NEMA receptacle. Controls by others
- 0-10V dimming per ANSI C137.1-2019 [8-Volt per power level/options selected]
- Refer to [Dimming spec sheet](#) for details
- Maximum 10V Source Current:** 1mA
- Luminaires with DLI option are DALI-2 compatible per IEC 62386
- Operating Temperature Range:** -40°C - +50°C [-40°F - +122°F]

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets ANSI C82.77-10-2020 standards
- Drivers and LEDs are UL certified in accordance with UL8750
- Optics meet the requirements of IP66 per IEC 60529
- Lens meets IK08 requirements per IEC 60068-2
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- Meets CALTrans 611 Vibration testing
- ANSI C136.2 10kV/5kA [standard] and 20kV/10kA [optional] surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Assembled in the USA by Cree Lighting from US and imported parts
- Some configurations meet requirements of BAA and/or BABA. Consult factory when needed for a project: www.creelighting.com/BAA-BABA
- RoHS compliant. Consult factory for additional details
- DarkSky Approved when ordered with 22K8, 27K7 or 30K7 CCTs. Please refer to <https://darksky.org/what-we-do/darksky-approved/products-companies/#!/-/search/keyword=cree>
- DLC Premium qualified. Please refer to <https://qpl.designlights.org/solid-state-lighting> for most current information
- DLC Luna qualified when ordered with 4L-8L lumen packages with 22K8, 27K7 and 30K7 CCT/CRI's. Please refer to <https://qpl.designlights.org/solid-state-lighting> for most current information
- CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*								
Lumen Package	System Watts 120-480V**	Utility Wattage Label	Total Current [A]					
			120V	208V	240V	277V	347V	480V
4L	26	30	0.22	0.13	0.11	0.09	N/A	N/A
6L	38	40	0.32	0.18	0.16	0.14	0.11	0.08
8L	50	50	0.42	0.24	0.21	0.18	0.14	0.10
10L	63	60	0.53	0.30	0.26	0.23	0.18	0.13
13L	81	80	0.68	0.39	0.34	0.29	0.23	0.17
17L	104	100	0.87	0.50	0.43	0.38	0.30	0.22
20L	119	120	0.99	0.57	0.50	0.43	0.34	0.25
25L	148	150	1.23	0.71	0.62	0.53	0.43	0.31
32L	190	190	1.58	0.91	0.79	0.69	0.55	0.40

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%.
** 4L is available with 120-277V only.

Electrical Data [SOLAR]		
Lumen Package	Max. Voltage [VDC]	Max. Amperage [A]
4L	48	0.500
6L	72	0.512
8L	72	0.640
10L	84	0.692
13L	108	0.700

Guideway® Series Ambient Adjusted Lumen Maintenance ¹						
Ambient	Lumen Package	Initial LMF	36K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² LMF	100K hr Reported ² LMF
5°C (41°F)	4L-6L	1.02	0.98	0.97	0.94	0.92
	8L-32L	1.02	0.96	0.93	0.88	0.83
10°C (50°F)	4L-6L	1.02	0.98	0.96	0.94	0.91
	8L-32L	1.02	0.96	0.93	0.87	0.82
15°C (59°F)	4L-6L	1.01	0.97	0.96	0.93	0.91
	8L-32L	1.01	0.95	0.92	0.87	0.82
20°C (68°F)	4L-6L	1.01	0.96	0.95	0.93	0.90
	8L-32L	1.01	0.95	0.92	0.86	0.81
25°C (77°F)	4L-6L	1.00	0.96	0.94	0.92	0.90
	8L-32L	1.00	0.94	0.91	0.86	0.81

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.
² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

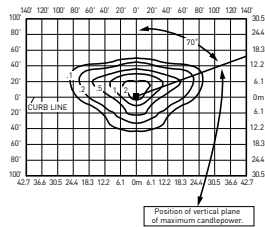
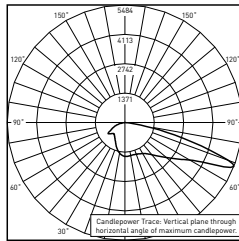
Accessories

Field-Installed		
Backlight Control Shields GWY-BLSS (for use with small lumen packages only) GWY-BLSM (for use with medium lumen packages only) GWY-BLSL (for use with large lumen packages only) - Provides 1 mounting height backlight cutoff - 18 ga. steel construction w/black finish - Lumen multiplier from standard optic: 0.54 [2M, 2N, 3M, 4M]. Refer to initial delivered lumen tables on pages 3-6 and 9-17.	Cut-De-Sac Shields GWY-CLSS (for use with small lumen packages only) GWY-CLSM (for use with medium lumen packages only) GWY-CLSL (for use with large lumen packages only) - Provides backlight and sidelight control - 18 ga. steel construction w/black finish - Lumen multiplier from standard optic: 0.64 [2M, 2N, 3M]; 0.72 [4M] Front Light Shields GWY-FLSS (for use with small lumen packages only) GWY-FLSM (for use with medium lumen packages only) GWY-FLSL (for use with large lumen packages only) - Provides front light control - 18 ga. steel construction w/black finish - Lumen multiplier from standard optic: 0.42 [2M, 2N, 3M, 4M]	Bird Spikes GWY-BRDSKP - For use with all luminaire sizes - Includes [2] brackets, [2] 2' sections of bird spikes and mounting hardware for a single luminaire
Shorting Cap XA-XSLSHRT		

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:
<https://www.creelighting.com/products/outdoor/street-and-roadway/guideway-series/>

2M



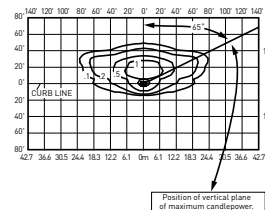
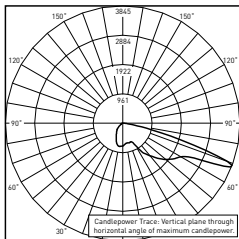
RESTL TEST REPORT PL17822-001A
 GWYS-A-8L-30K7-2M-UL-xx-xx-xx
 Initial Delivered Lumens: 7,044

GWYS-A-8L-30K7-2M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 7,225
 Initial FC at grade

Type II Mid Distribution						
Lumen Package	2200K (80 CRI)		2700K/3000K (70 CRI)		4000K/5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** per TM-15-20
4L	2,980	B1 U0 G1	3,610	B1 U0 G1	3,750	B1 U0 G1
6L	4,470	B1 U0 G1	5,400	B1 U0 G1	5,625	B1 U0 G1
8L	5,950	B1 U0 G1	7,225	B2 U0 G2	7,500	B2 U0 G2
10L	7,700	B2 U0 G2	9,325	B2 U0 G2	9,700	B2 U0 G2
13L	10,025	B2 U0 G2	12,125	B2 U0 G2	12,600	B2 U0 G2
17L	13,100	B2 U0 G2	15,900	B3 U0 G3	16,500	B3 U0 G3
20L	15,400	B3 U0 G3	18,600	B3 U0 G3	19,300	B3 U0 G3
25L	19,200	B3 U0 G3	23,200	B3 U0 G3	24,200	B3 U0 G3
32L	24,600	B3 U0 G3	29,800	B3 U0 G3	30,900	B3 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.



RESTL TEST REPORT PL17993-001A
 GWYS-A-8L-30K7-2M-UL-xx-xx-xx
 w-GWY-BLSS
 Initial Delivered Lumens: 3,773

GWYS-A-8L-30K7-2M-UL w/GWY-BLSS
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 3,860
 Initial FC at grade

Type II Mid Distribution w/BLS						
Lumen Package	2200K (80 CRI)		2700K/3000K (70 CRI)		4000K/5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** per TM-15-20
4L	1,600	B0 U0 G1	1,930	B1 U0 G1	2,010	B1 U0 G1
6L	2,390	B1 U0 G1	2,900	B1 U0 G1	3,010	B1 U0 G1
8L	3,190	B1 U0 G1	3,860	B1 U0 G1	4,020	B1 U0 G1
10L	4,130	B1 U0 G1	5,000	B1 U0 G1	5,200	B1 U0 G1
13L	5,375	B1 U0 G1	6,500	B1 U0 G1	6,750	B1 U0 G2
17L	7,025	B1 U0 G2	8,500	B1 U0 G2	8,825	B2 U0 G2
20L	8,225	B1 U0 G2	9,950	B2 U0 G2	10,350	B2 U0 G2
25L	10,275	B2 U0 G2	12,450	B2 U0 G2	12,950	B2 U0 G2
32L	13,175	B2 U0 G2	15,900	B2 U0 G3	16,600	B2 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

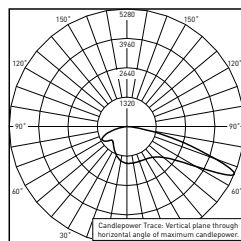
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.

Photometry

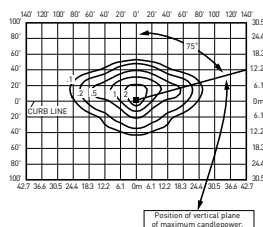
All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:

<https://www.creelighting.com/products/outdoor/street-and-roadway/guideway-series/>

2N



RESTL TEST REPORT PL18104-001A
GWYS-A-8L-40K7-2N-UL-xx-xx-xx
Initial Delivered Lumens: 7,368

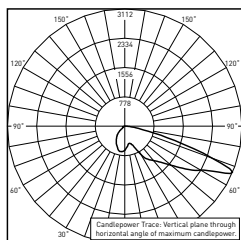


GWYS-A-8L-30K7-2N-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 7,225
Initial FC at grade

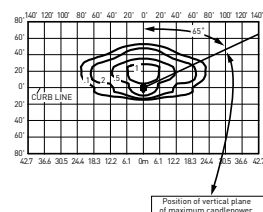
Type II Narrow Distribution						
Lumen Package	2200K (80 CRI)		2700K/3000K (70 CRI)		4000K/5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** per TM-15-20
4L	2,980	B1 U0 G1	3,610	B1 U0 G1	3,750	B1 U0 G1
6L	4,470	B1 U0 G1	5,400	B1 U0 G1	5,625	B1 U0 G1
8L	5,950	B1 U0 G1	7,225	B2 U0 G2	7,500	B2 U0 G2
10L	7,700	B2 U0 G2	9,325	B2 U0 G2	9,700	B2 U0 G2
13L	10,025	B2 U0 G2	12,125	B3 U0 G3	12,600	B3 U0 G3
17L	13,100	B3 U0 G3	15,900	B3 U0 G3	16,500	B3 U0 G3
20L	15,400	B3 U0 G3	18,600	B3 U0 G3	19,300	B3 U0 G3
25L	19,200	B3 U0 G3	23,200	B3 U0 G3	24,200	B3 U0 G3
32L	24,600	B3 U0 G3	29,800	B3 U0 G3	30,900	B4 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.



RESTL TEST REPORT PL18180-001A
GWYS-A-8L-40K7-2N-UL-xx-xx-xx w/ GWY-BLSS
Initial Delivered Lumens: 3,853



GWYS-A-8L-30K7-2N-UL w/GWY-BLSS
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 3,860
Initial FC at grade

Type II Narrow Distribution w/BLS						
Lumen Package	2200K (80 CRI)		2700K/3000K (70 CRI)		4000K/5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** per TM-15-20
4L**	1,600	B0 U1 G1	1,930	B0 U1 G1	2,010	B1 U1 G1
6L	2,390	B1 U1 G1	2,900	B1 U1 G1	3,010	B1 U1 G1
8L	3,190	B1 U1 G1	3,860	B1 U1 G1	4,020	B1 U1 G1
10L	4,130	B1 U1 G1	5,000	B1 U2 G1	5,200	B1 U2 G1
13L	5,375	B1 U2 G1	6,500	B1 U2 G2	6,750	B1 U2 G2
17L	7,025	B1 U2 G2	8,500	B1 U2 G2	8,825	B1 U2 G2
20L	8,225	B1 U2 G2	9,950	B2 U2 G2	10,350	B2 U2 G2
25L	10,275	B2 U2 G2	12,450	B2 U2 G2	12,950	B2 U2 G2
32L	13,175	B2 U2 G2	15,900	B2 U2 G3	16,600	B2 U2 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

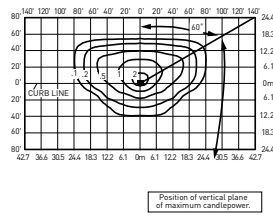
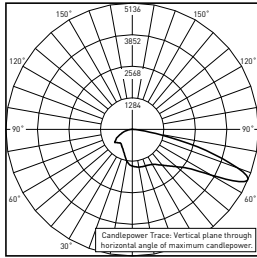
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:

<https://www.creeighting.com/products/outdoor/street-and-roadway/guideway-series/>

3M



RESTL TEST REPORT PL17820-001A
GWYS-A-8L-30K7-3M-UL-xx-xx-xx
Initial Delivered Lumens: 6,947

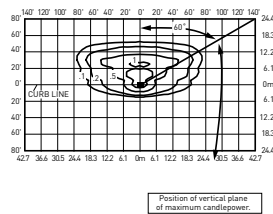
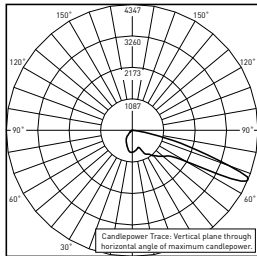
GWYS-A-8L-30K7-3M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 7,225
Initial FC at grade

Type III Mid Distribution

Lumen Package	2200K (80 CRI)		2700K/3000K (70 CRI)		4000K/5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** per TM-15-20
4L	2,980	B1 U0 G1	3,610	B1 U0 G1	3,750	B1 U0 G1
6L	4,470	B1 U0 G1	5,400	B1 U0 G1	5,625	B1 U0 G1
8L	5,950	B1 U0 G1	7,225	B2 U0 G2	7,500	B2 U0 G2
10L	7,700	B2 U0 G2	9,325	B2 U0 G2	9,700	B2 U0 G2
13L	10,025	B2 U0 G2	12,125	B2 U0 G2	12,600	B2 U0 G2
17L	13,100	B2 U0 G2	15,900	B3 U0 G3	16,500	B3 U0 G3
20L	15,400	B3 U0 G3	18,600	B3 U0 G3	19,300	B3 U0 G3
25L	19,200	B3 U0 G3	23,200	B3 U0 G3	24,200	B3 U0 G3
32L	24,600	B3 U0 G3	29,800	B3 U0 G4	30,900	B3 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.



RESTL TEST REPORT PL17899-001A
GWYS-A-8L-30K7-3M-UL-xx-xx-xx w/
GWY-BLSS
Initial Delivered Lumens: 3,764

GWYS-A-8L-30K7-3M-UL w/GWY-BLSS
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 3,860
Initial FC at grade

Type III Mid Distribution w/BLS

Lumen Package	2200K (80 CRI)		2700K/3000K (70 CRI)		4000K/5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** per TM-15-20
4L	1,600	B0 U0 G1	1,930	B0 U0 G1	2,010	B0 U0 G1
6L	2,390	B1 U0 G1	2,900	B1 U0 G1	3,010	B1 U0 G1
8L	3,190	B1 U0 G1	3,860	B1 U0 G1	4,020	B1 U0 G1
10L	4,130	B1 U0 G1	5,000	B1 U0 G1	5,200	B1 U0 G1
13L	5,375	B1 U0 G2	6,500	B1 U0 G2	6,750	B1 U0 G2
17L	7,025	B1 U0 G2	8,500	B1 U0 G2	8,825	B1 U0 G2
20L	8,225	B1 U0 G2	9,950	B2 U0 G2	10,350	B2 U0 G2
25L	10,275	B2 U0 G2	12,450	B2 U0 G2	12,950	B2 U0 G2
32L	13,175	B2 U0 G2	15,900	B2 U0 G3	16,600	B2 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.

Website: [creeighting.com](https://www.creeighting.com)

US: (800) 236-6800 Canada: (800) 473-1234

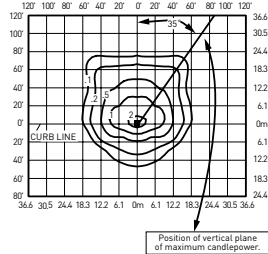
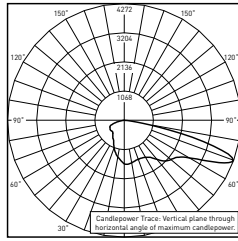
CREE ⇄ **LIGHTING®**

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:

<https://www.creelighting.com/products/outdoor/street-and-roadway/guideway-series/>

4M



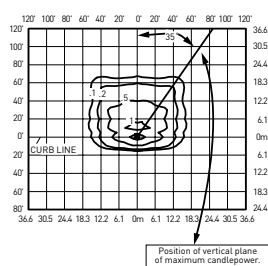
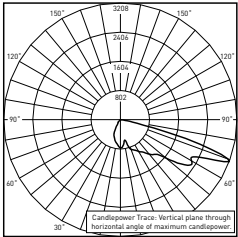
RESTL TEST REPORT PL17823-001A
GWYS-A-8L-30K7-4M-UL-xx-xx-xx
Initial Delivered Lumens: 7,329

GWYS-A-8L-30K7-4M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 7,225
Initial FC at grade

Type IV Mid Distribution						
Lumen Package	2200K (80 CRI)		2700K/3000K (70 CRI)		4000K/5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** per TM-15-20
4L	2,980	B1 U0 G1	3,610	B1 U0 G1	3,750	B1 U0 G1
6L	4,470	B1 U0 G1	5,400	B1 U0 G1	5,625	B1 U0 G1
8L	5,950	B1 U0 G1	7,225	B2 U0 G2	7,500	B2 U0 G2
10L	7,700	B2 U0 G2	9,325	B2 U0 G2	9,700	B2 U0 G2
13L	10,025	B2 U0 G2	12,125	B2 U0 G2	12,600	B2 U0 G2
17L	13,100	B2 U0 G2	15,900	B3 U0 G2	16,500	B3 U0 G3
20L	15,400	B3 U0 G2	18,600	B3 U0 G3	19,300	B3 U0 G3
25L	19,200	B3 U0 G3	23,200	B3 U0 G3	24,200	B3 U0 G3
32L	24,600	B3 U0 G3	29,800	B3 U0 G4	30,900	B3 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.



RESTL TEST REPORT PL17994-001A
GWYS-A-8L-30K7-4M-UL-xx-xx-xx
w-GWY-BLSS
Initial Delivered Lumens: 3,907

GWYS-A-8L-30K7-4M-UL w/GWY-BLSS
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 3,860
Initial FC at grade

Type IV Mid Distribution w/BLS						
Lumen Package	2200K (80 CRI)		2700K/3000K (70 CRI)		4000K/5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** per TM-15-20
4L	1,600	B0 U0 G1	1,930	B0 U0 G1	2,010	B1 U0 G1
6L	2,390	B1 U0 G1	2,900	B1 U0 G1	3,010	B1 U0 G1
8L	3,190	B1 U0 G1	3,860	B1 U0 G1	4,020	B1 U0 G1
10L	4,130	B1 U0 G1	5,000	B1 U0 G1	5,200	B1 U0 G1
13L	5,375	B1 U0 G1	6,500	B1 U0 G2	6,750	B1 U0 G2
17L	7,025	B1 U0 G2	8,500	B1 U0 G2	8,825	B2 U0 G2
20L	8,225	B1 U0 G2	9,950	B2 U0 G2	10,350	B2 U0 G2
25L	10,275	B2 U0 G2	12,450	B2 U0 G2	12,950	B2 U0 G2
32L	13,175	B2 U0 G2	15,900	B2 U0 G3	16,600	B2 U0 G3

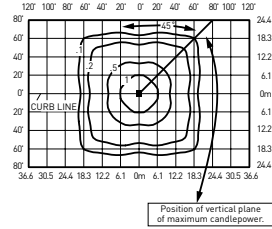
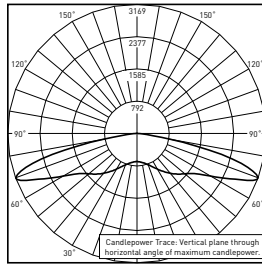
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:
<https://www.creelighting.com/products/outdoor/street-and-roadway/guideway-series/>

5M



RESTL TEST REPORT PL17825-001A
 GWYS-A-8L-30K7-5M-UL-xx-xx-xx
Initial Delivered Lumens: 7,274

GWYS-A-8L-30K7-5M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 7,450
 Initial FC at grade

Type V Mid Distribution						
Lumen Package	2200K (80 CRI)		2700K/3000K (70 CRI)		4000K/5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** per TM-15-20
4L	3,070	B2 U0 G1	3,720	B2 U0 G1	3,870	B2 U0 G1
6L	4,610	B2 U0 G1	5,575	B3 U0 G1	5,800	B3 U0 G1
8L	6,150	B3 U0 G1	7,450	B3 U0 G1	7,725	B3 U0 G1
10L	7,950	B3 U0 G1	9,625	B3 U0 G2	10,000	B3 U0 G2
13L	10,325	B3 U0 G2	12,500	B4 U0 G2	13,000	B4 U0 G2
17L	13,525	B4 U0 G2	16,400	B4 U0 G2	17,000	B4 U0 G2
20L	15,800	B4 U0 G2	19,200	B4 U0 G2	19,900	B4 U0 G2
25L	19,800	B4 U0 G2	24,000	B5 U0 G3	24,900	B5 U0 G3
32L	25,400	B5 U0 G3	30,700	B5 U0 G3	31,900	B5 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.

Luminaire EPA

Horizontal Tenon Mount – GWYS: 8.2 lbs. (3.7kg); GWY-BLSS Accessory: add 1.2 lbs. (0.6kg); GWYM: 12.2 lbs. (5.5kg); GWY-BLSM Accessory: add 1.8 lbs. (0.8kg); GWYL: 18.2 lbs. (8.3kg); GWY-BLSL Accessory: add 3.2 lbs. (1.4kg)					
Luminaire	Single	2 @ 90°	2 @ 180°	3 @ 90°	4 @ 90°
	Tenon Configuration [0°-80° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA				
	 PD-1H4; PT-1H	 PD-2H4(90); PT-2H(90)	 PD-2H4(180); PT-2H(180)	 PD-3H4(90); PT-3H(90)	 PD-4H4(90); PT-4H(90)
GWYS	0.45	0.72	0.90	1.18	1.45
GWYM	0.53	0.88	1.05	1.41	1.76
GWYL	0.63	1.04	1.25	1.67	2.08

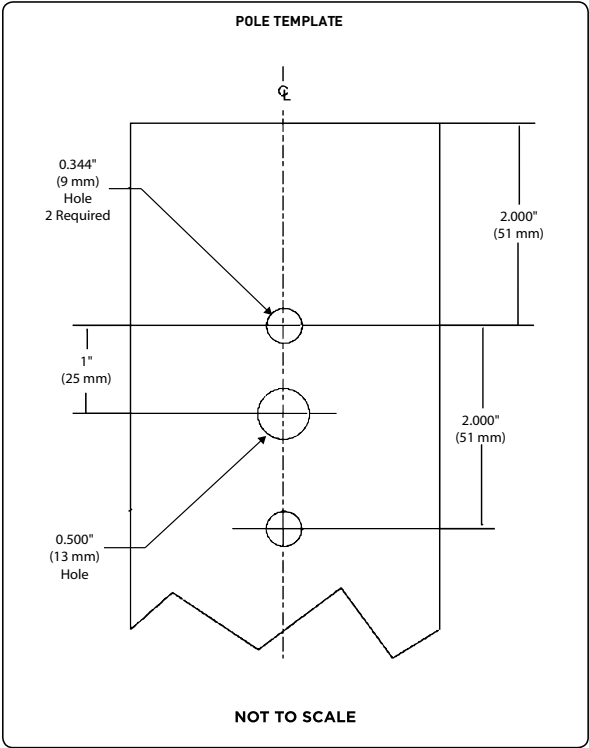
Tenon EPA

Part Number	EPA
PD Series Tenons	0.09
PT Series Tenons	0.10
WM-2L	0.13
XA-TMDA8	0.19

Tenons and Brackets† (must specify color)	
Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles PD-1H4 – Single PD-3H4(90) – 90° Triple PD-2H4(90) – 90° Twin PD-4H4(90) – 90° Quad PD-2H4(180) – 180° Twin	Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375"-3" (60-76mm) O.D. round aluminum or steel poles or tenons PT-1H –Single PT-3H(90) –90° Triple PT-2H(90) –90° Twin PT-4H(90) –90° Quad PT-2H(180) –180° Twin
Wall Mount Brackets - Mounts to wall or roof WM-2L –Extended Horizontal	Direct Arm Pole Adaptor Bracket - Mounts to 3-6" (76-152mm) round or square aluminum or steel poles XA-TMDA8

† Refer to the [Bracket and Tenons spec sheet](#) for more details.

Fixture Mounting Drill Pattern for XA-TMDA8



Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the Guideway Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the Guideway Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 4L

Q/X Option Setting	CCT/CRI	System Watts 120-277V	Lumen Values			Utility Label		
			2M/2N/3M/4M	5M	2M/2N/3M/4M w/ External BLS	Wattage	2M/2N/3M/4M Lumens	5M Lumens
Q9 (Full Power)	22K (80 CRI)	26	2,980	3,070	1,600	30	3000 L	3000 L
	27K/30K (70 CRI)		3,610	3,720	1,930		4000 L	4000 L
	40K/57K (70 CRI)		3,750	3,870	2,010		4000 L	4000 L
Q8/X8	22K (80 CRI)	25	2,840	2,930	1,520	30	3000 L	3000 L
	27K/30K (70 CRI)		3,440	3,550	1,840		3000 L	4000 L
	40K/57K (70 CRI)		3,580	3,690	1,920		4000 L	4000 L
Q7/X7	22K (80 CRI)	24	2,720	2,810	1,460	20	3000 L	3000 L
	27K/30K (70 CRI)		3,300	3,400	1,770		3000 L	3000 L
	40K/57K (70 CRI)		3,430	3,530	1,840		3000 L	4000 L
Q6/X6	22K (80 CRI)	23	2,640	2,720	1,410	20	3000 L	3000 L
	27K/30K (70 CRI)		3,190	3,290	1,710		3000 L	3000 L
	40K/57K (70 CRI)		3,310	3,420	1,770		3000 L	3000 L
Q5/X5	22K (80 CRI)	20	2,410	2,480	1,290	20	2000 L	2000 L
	27K/30K (70 CRI)		2,910	3,000	1,560		3000 L	3000 L
	40K/57K (70 CRI)		3,030	3,120	1,620		3000 L	3000 L
Q4/X4	22K (80 CRI)	19	2,190	2,260	1,170	20	2000 L	2000 L
	27K/30K (70 CRI)		2,650	2,730	1,420		3000 L	3000 L
	40K/57K (70 CRI)		2,750	2,840	1,470		3000 L	3000 L
Q3/X3	22K (80 CRI)	17	2,020	2,080	1,080	20	2000 L	2000 L
	27K/30K (70 CRI)		2,450	2,520	1,310		2000 L	3000 L
	40K/57K (70 CRI)		2,540	2,620	1,360		3000 L	3000 L
Q2/X2	22K (80 CRI)	15	1,820	1,870	970	20	2000 L	2000 L
	27K/30K (70 CRI)		2,200	2,270	1,180		2000 L	2000 L
	40K/57K (70 CRI)		2,290	2,360	1,220		2000 L	2000 L
Q1/X1	22K (80 CRI)	13	1,610	1,660	860	10	2000 L	2000 L
	27K/30K (70 CRI)		1,940	2,000	1,040		2000 L	2000 L
	40K/57K (70 CRI)		2,020	2,080	1,080		2000 L	2000 L

* Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V +/-10%.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the Guideway Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the Guideway Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 6L

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			Utility Label		
			2M/2N/3M/4M	5M	2M/2N/3M/4M w/ External BLS	Wattage	2M/2N/3M/4M Lumens	5M Lumens
Q9 (Full Power)	22K (80 CRI)	38	4,470	4,610	2,390	40	4000 L	5000 L
	27K/30K (70 CRI)		5,400	5,575	2,900		5000 L	6000 L
	40K/57K (70 CRI)		5,625	5,800	3,010		6000 L	6000 L
Q8/X8	22K (80 CRI)	36	4,270	4,400	2,280	40	4000 L	4000 L
	27K/30K (70 CRI)		5,150	5,325	2,760		5000 L	5000 L
	40K/57K (70 CRI)		5,375	5,525	2,870		5000 L	6000 L
Q7/X7	22K (80 CRI)	34	4,090	4,210	2,190	30	4000 L	4000 L
	27K/30K (70 CRI)		4,950	5,100	2,650		5000 L	5000 L
	40K/57K (70 CRI)		5,150	5,300	2,750		5000 L	5000 L
Q6/X6	22K (80 CRI)	33	3,950	4,080	2,120	30	4000 L	4000 L
	27K/30K (70 CRI)		4,780	4,930	2,560		5000 L	5000 L
	40K/57K (70 CRI)		4,970	5,125	2,660		5000 L	5000 L
Q5/X5	22K (80 CRI)	29	3,610	3,720	1,930	30	4000 L	4000 L
	27K/30K (70 CRI)		4,370	4,510	2,340		4000 L	5000 L
	40K/57K (70 CRI)		4,540	4,690	2,430		5000 L	5000 L
Q4/X4	22K (80 CRI)	25	3,280	3,380	1,760	30	3000 L	3000 L
	27K/30K (70 CRI)		3,970	4,090	2,130		4000 L	4000 L
	40K/57K (70 CRI)		4,130	4,260	2,210		4000 L	4000 L
Q3/X3	22K (80 CRI)	21	3,030	3,130	1,620	20	3000 L	3000 L
	27K/30K (70 CRI)		3,670	3,780	1,960		4000 L	4000 L
	40K/57K (70 CRI)		3,810	3,930	2,040		4000 L	4000 L

* Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the Guideway Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the Guideway Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 8L

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			Utility Label		
			2M/2N/3M/4M	5M	2M/2N/3M/4M w/ External BLS	Wattage	2M/2N/3M/4M Lumens	5M Lumens
Q9 (Full Power)	22K (80 CRI)	50	5,950	6,150	3,190	50	6000 L	6000 L
	27K/30K (70 CRI)		7,225	7,450	3,860		7000 L	7000 L
	40K/57K (70 CRI)		7,500	7,725	4,020		8000 L	8000 L
Q8/X8	22K (80 CRI)	48	5,700	5,875	3,050	50	6000 L	6000 L
	27K/30K (70 CRI)		6,875	7,100	3,690		7000 L	7000 L
	40K/57K (70 CRI)		7,150	7,375	3,830		7000 L	7000 L
Q7/X7	22K (80 CRI)	45	5,450	5,625	2,920	50	5000 L	6000 L
	27K/30K (70 CRI)		6,600	6,800	3,530		7000 L	7000 L
	40K/57K (70 CRI)		6,850	7,075	3,670		7000 L	7000 L
Q6/X6	22K (80 CRI)	43	5,275	5,425	2,820	40	5000 L	5000 L
	27K/30K (70 CRI)		6,375	6,575	3,410		6000 L	7000 L
	40K/57K (70 CRI)		6,625	6,825	3,550		7000 L	7000 L
Q5/X5	22K (80 CRI)	39	4,820	4,970	2,580	40	5000 L	5000 L
	27K/30K (70 CRI)		5,825	6,000	3,120		6000 L	6000 L
	40K/57K (70 CRI)		6,050	6,250	3,240		6000 L	6000 L
Q4/X4	22K (80 CRI)	36	4,380	4,510	2,340	40	4000 L	5000 L
	27K/30K (70 CRI)		5,300	5,450	2,840		5000 L	5000 L
	40K/57K (70 CRI)		5,500	5,675	2,950		6000 L	6000 L
Q3/X3	22K (80 CRI)	32	4,040	4,170	2,160	30	4000 L	4000 L
	27K/30K (70 CRI)		4,890	5,050	2,620		5000 L	5000 L
	40K/57K (70 CRI)		5,075	5,250	2,720		5000 L	5000 L
Q2/X2	22K (80 CRI)	29	3,640	3,750	1,950	30	4000 L	4000 L
	27K/30K (70 CRI)		4,400	4,540	2,360		4000 L	5000 L
	40K/57K (70 CRI)		4,570	4,720	2,450		5000 L	5000 L
Q1/X1	22K (80 CRI)	26	3,210	3,310	1,720	30	3000 L	3000 L
	27K/30K (70 CRI)		3,890	4,010	2,080		4000 L	4000 L
	40K/57K (70 CRI)		4,040	4,170	2,160		4000 L	4000 L

* Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277 or 347-480V V +/-10%.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the Guideway Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the Guideway Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 10L

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			Utility Label		
			2M/2N/3M/4M	5M	2M/2N/3M/4M w/ External BLS	Wattage	2M/2N/3M/4M Lumens	5M Lumens
Q9 (Full Power)	22K (80 CRI)	63	7,700	7,950	4,130	60	8000 L	8000 L
	27K/30K (70 CRI)		9,325	9,625	5,000		9000 L	10000 L
	40K/57K (70 CRI)		9,700	10,000	5,200		10000 L	10000 L
Q8/X8	22K (80 CRI)	60	7,350	7,575	3,940	60	7000 L	8000 L
	27K/30K (70 CRI)		8,900	9,175	4,770		9000 L	9000 L
	40K/57K (70 CRI)		9,250	9,550	4,950		9000 L	10000 L
Q7/X7	22K (80 CRI)	57	7,050	7,275	3,770	60	7000 L	7000 L
	27K/30K (70 CRI)		8,525	8,800	4,570		9000 L	9000 L
	40K/57K (70 CRI)		8,875	9,150	4,750		9000 L	9000 L
Q6/X6	22K (80 CRI)	55	6,825	7,025	3,650	60	7000 L	7000 L
	27K/30K (70 CRI)		8,250	8,500	4,420		8000 L	9000 L
	40K/57K (70 CRI)		8,575	8,850	4,590		9000 L	9000 L
Q5/X5	22K (80 CRI)	49	6,225	6,425	3,340	50	6000 L	6000 L
	27K/30K (70 CRI)		7,550	7,775	4,040		8000 L	8000 L
	40K/57K (70 CRI)		7,825	8,075	4,200		8000 L	8000 L
Q4/X4	22K (80 CRI)	45	5,650	5,825	3,030	50	6000 L	6000 L
	27K/30K (70 CRI)		6,850	7,050	3,670		7000 L	7000 L
	40K/57K (70 CRI)		7,125	7,350	3,810		7000 L	7000 L
Q3/X3	22K (80 CRI)	41	5,225	5,400	2,800	40	5000 L	5000 L
	27K/30K (70 CRI)		6,325	6,525	3,390		6000 L	7000 L
	40K/57K (70 CRI)		6,575	6,775	3,520		7000 L	7000 L
Q2/X2	22K (80 CRI)	36	4,700	4,850	2,520	40	5000 L	5000 L
	27K/30K (70 CRI)		5,700	5,875	3,050		6000 L	6000 L
	40K/57K (70 CRI)		5,925	6,100	3,170		6000 L	6000 L
Q1/X1	22K (80 CRI)	32	4,160	4,280	2,230	30	4000 L	4000 L
	27K/30K (70 CRI)		5,025	5,175	2,690		5000 L	5000 L
	40K/57K (70 CRI)		5,225	5,400	2,800		5000 L	5000 L

* Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the Guideway Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the Guideway Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 13L

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			Utility Label		
			2M/2N/3M/4M	5M	2M/2N/3M/4M w/ External BLS	Wattage	2M/2N/3M/4M Lumens	5M Lumens
Q9 (Full Power)	22K (80 CRI)	81	10,025	10,325	5,375	80	10000 L	10000 L
	27K/30K (70 CRI)		12,125	12,500	6,500		12000 L	13000 L
	40K/57K (70 CRI)		12,600	13,000	6,750		13000 L	13000 L
Q8/X8	22K (80 CRI)	78	9,550	9,850	5,125	80	10000 L	10000 L
	27K/30K (70 CRI)		11,575	11,925	6,200		12000 L	12000 L
	40K/57K (70 CRI)		12,025	12,400	6,450		12000 L	12000 L
Q7/X7	22K (80 CRI)	73	9,150	9,450	4,910	70	9000 L	9000 L
	27K/30K (70 CRI)		11,075	11,425	5,925		11000 L	11000 L
	40K/57K (70 CRI)		11,525	11,875	6,175		12000 L	12000 L
Q6/X6	22K (80 CRI)	70	8,850	9,125	4,740	70	9000 L	9000 L
	27K/30K (70 CRI)		10,725	11,050	5,750		11000 L	11000 L
	40K/57K (70 CRI)		11,150	11,500	5,975		11000 L	12000 L
Q5/X5	22K (80 CRI)	64	8,100	8,350	4,340	60	8000 L	8000 L
	27K/30K (70 CRI)		9,800	10,100	5,250		10000 L	10000 L
	40K/57K (70 CRI)		10,175	10,500	5,450		10000 L	11000 L
Q4/X4	22K (80 CRI)	58	7,350	7,575	3,940	60	7000 L	8000 L
	27K/30K (70 CRI)		8,900	9,175	4,770		9000 L	9000 L
	40K/57K (70 CRI)		9,250	9,550	4,960		9000 L	10000 L
Q3/X3	22K (80 CRI)	52	6,800	7,000	3,640	50	7000 L	7000 L
	27K/30K (70 CRI)		8,225	8,475	4,400		8000 L	8000 L
	40K/57K (70 CRI)		8,550	8,825	4,580		9000 L	9000 L
Q2/X2	22K (80 CRI)	46	6,125	6,300	3,270	50	6000 L	6000 L
	27K/30K (70 CRI)		7,400	7,625	3,960		7000 L	8000 L
	40K/57K (70 CRI)		7,700	7,925	4,120		8000 L	8000 L
Q1/X1	22K (80 CRI)	42	5,400	5,575	2,890	40	5000 L	6000 L
	27K/30K (70 CRI)		6,525	6,750	3,500		7000 L	7000 L
	40K/57K (70 CRI)		6,800	7,000	3,640		7000 L	7000 L

* Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the Guideway Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the Guideway Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 17L

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			Utility Label		
			2M/2N/3M/4M	5M	2M/2N/3M/4M w/ External BLS	Wattage	2M/2N/3M/4M Lumens	5M Lumens
Q9 (Full Power)	22K (80 CRI)	104	13,100	13,525	7,025	100	13000 L	14000 L
	27K/30K (70 CRI)		15,900	16,400	8,500		16000 L	16000 L
	40K/57K (70 CRI)		16,500	17,000	8,825		17000 L	17000 L
Q8/X8	22K (80 CRI)	100	12,500	12,900	6,700	100	13000 L	13000 L
	27K/30K (70 CRI)		15,100	15,600	8,100		15000 L	16000 L
	40K/57K (70 CRI)		15,700	16,200	8,425		16000 L	16000 L
Q7/X7	22K (80 CRI)	94	11,975	12,350	6,425	90	12000 L	12000 L
	27K/30K (70 CRI)		14,500	14,950	7,750		15000 L	15000 L
	40K/57K (70 CRI)		15,100	15,500	8,075		15000 L	16000 L
Q6/X6	22K (80 CRI)	90	11,575	11,950	6,200	90	12000 L	12000 L
	27K/30K (70 CRI)		14,025	14,450	7,500		14000 L	14000 L
	40K/57K (70 CRI)		14,575	15,000	7,800		15000 L	15000 L
Q5/X5	22K (80 CRI)	82	10,600	10,925	5,675	80	11000 L	11000 L
	27K/30K (70 CRI)		12,825	13,225	6,850		13000 L	13000 L
	40K/57K (70 CRI)		13,325	13,725	7,125		13000 L	14000 L
Q4/X4	22K (80 CRI)	75	9,625	9,925	5,150	80	10000 L	10000 L
	27K/30K (70 CRI)		11,650	12,000	6,225		12000 L	12000 L
	40K/57K (70 CRI)		12,100	12,475	6,475		12000 L	12000 L
Q3/X3	22K (80 CRI)	67	8,875	9,150	4,760	70	9000 L	9000 L
	27K/30K (70 CRI)		10,750	11,075	5,750		11000 L	11000 L
	40K/57K (70 CRI)		11,175	11,525	5,975		11000 L	12000 L
Q2/X2	22K (80 CRI)	60	8,000	8,250	4,280	60	8000 L	8000 L
	27K/30K (70 CRI)		9,675	9,975	5,175		10000 L	10000 L
	40K/57K (70 CRI)		10,050	10,375	5,375		10000 L	10000 L
Q1/X1	22K (80 CRI)	54	7,075	7,275	3,780	50	7000 L	7000 L
	27K/30K (70 CRI)		8,550	8,825	4,580		9000 L	9000 L
	40K/57K (70 CRI)		8,875	9,150	4,760		9000 L	9000 L

* Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the Guideway Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the Guideway Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 20L

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			Utility Label		
			2M/2N/3M/4M	5M	2M/2N/3M/4M w/ External BLS	Wattage	2M/2N/3M/4M Lumens	5M Lumens
Q9 (Full Power)	22K (80 CRI)	119	15,400	15,800	8,225	120	15000 L	16000 L
	27K/30K (70 CRI)		18,600	19,200	9,950		19000 L	19000 L
	40K/57K (70 CRI)		19,300	19,900	10,350		19000 L	20000 L
Q8/X8	22K (80 CRI)	114	14,675	15,100	7,850	110	15000 L	15000 L
	27K/30K (70 CRI)		17,700	18,300	9,500		18000 L	18000 L
	40K/57K (70 CRI)		18,400	19,000	9,875		18000 L	19000 L
Q7/X7	22K (80 CRI)	108	14,050	14,475	7,525	110	14000 L	14000 L
	27K/30K (70 CRI)		17,000	17,500	9,100		17000 L	18000 L
	40K/57K (70 CRI)		17,700	18,200	9,450		18000 L	18000 L
Q6/X6	22K (80 CRI)	103	13,575	14,000	7,275	100	14000 L	14000 L
	27K/30K (70 CRI)		16,400	17,000	8,800		16000 L	17000 L
	40K/57K (70 CRI)		17,100	17,600	9,150		17000 L	18000 L
Q5/X5	22K (80 CRI)	93	12,425	12,800	6,650	90	12000 L	13000 L
	27K/30K (70 CRI)		15,000	15,500	8,050		15000 L	16000 L
	40K/57K (70 CRI)		15,600	16,100	8,375		16000 L	16000 L
Q4/X4	22K (80 CRI)	86	11,275	11,625	6,050	90	11000 L	12000 L
	27K/30K (70 CRI)		13,650	14,075	7,300		14000 L	14000 L
	40K/57K (70 CRI)		14,200	14,625	7,600		14000 L	15000 L
Q3/X3	22K (80 CRI)	77	10,425	10,750	5,575	80	10000 L	11000 L
	27K/30K (70 CRI)		12,600	13,000	6,750		13000 L	13000 L
	40K/57K (70 CRI)		13,100	13,525	7,025		13000 L	14000 L
Q2/X2	22K (80 CRI)	68	9,375	9,675	5,025	70	9000 L	10000 L
	27K/30K (70 CRI)		11,350	11,700	6,075		11000 L	12000 L
	40K/57K (70 CRI)		11,800	12,150	6,325		12000 L	12000 L
Q1/X1	22K (80 CRI)	61	8,275	8,550	4,440	60	8000 L	9000 L
	27K/30K (70 CRI)		10,025	10,325	5,375		10000 L	10000 L
	40K/57K (70 CRI)		10,425	10,750	5,575		10000 L	11000 L

* Electrical and lumen data at 25 °C (77 °F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the Guideway Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the Guideway Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 25L

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			Utility Label		
			2M/2N/3M/4M	5M	2M/2N/3M/4M w/ External BLS	Wattage	2M/2N/3M/4M Lumens	5M Lumens
Q9 (Full Power)	22K (80 CRI)	148	19,200	19,800	10,275	150	19000 L	20000 L
	27K/30K (70 CRI)		23,200	24,000	12,450		23000 L	24000 L
	40K/57K (70 CRI)		24,200	24,900	12,950		24000 L	24000 L
Q8/X8	22K (80 CRI)	142	18,300	18,900	9,825	140	18000 L	19000 L
	27K/30K (70 CRI)		22,200	22,900	11,875		22000 L	23000 L
	40K/57K (70 CRI)		23,100	23,800	12,350		23000 L	24000 L
Q7/X7	22K (80 CRI)	134	17,600	18,100	9,400	130	18000 L	18000 L
	27K/30K (70 CRI)		21,200	21,900	11,375		21000 L	22000 L
	40K/57K (70 CRI)		22,100	22,800	11,825		22000 L	23000 L
Q6/X6	22K (80 CRI)	128	17,000	17,500	9,100	130	17000 L	18000 L
	27K/30K (70 CRI)		20,600	21,200	11,000		21000 L	21000 L
	40K/57K (70 CRI)		21,400	22,000	11,450		21000 L	22000 L
Q5/X5	22K (80 CRI)	116	15,500	16,000	8,300	120	16000 L	16000 L
	27K/30K (70 CRI)		18,800	19,400	10,050		19000 L	19000 L
	40K/57K (70 CRI)		19,500	20,100	10,450		20000 L	20000 L
Q4/X4	22K (80 CRI)	107	14,100	14,550	7,550	110	14000 L	15000 L
	27K/30K (70 CRI)		17,100	17,600	9,125		17000 L	18000 L
	40K/57K (70 CRI)		17,700	18,300	9,500		18000 L	18000 L
Q3/X3	22K (80 CRI)	95	13,025	13,425	6,975	100	13000 L	13000 L
	27K/30K (70 CRI)		15,800	16,300	8,450		16000 L	16000 L
	40K/57K (70 CRI)		16,400	16,900	8,775		16000 L	17000 L
Q2/X2	22K (80 CRI)	85	11,725	12,075	6,275	90	12000 L	12000 L
	27K/30K (70 CRI)		14,175	14,625	7,600		14000 L	15000 L
	40K/57K (70 CRI)		14,750	15,200	7,900		15000 L	15000 L
Q1/X1	22K (80 CRI)	76	10,350	10,675	5,550	80	10000 L	11000 L
	27K/30K (70 CRI)		12,525	12,925	6,700		13000 L	13000 L
	40K/57K (70 CRI)		13,025	13,425	6,975		13000 L	13000 L

* Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the street and area luminaire within the Guideway Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the Guideway Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 32L

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			Utility Label		
			2M/2N/3M/4M	5M	2M/2N/3M/4M w/ External BLS	Wattage	2M/2N/3M/4M Lumens	5M Lumens
Q9 (Full Power)	22K (80 CRI)	190	24,600	25,400	13,175	190	24000 L	26000 L
	27K/30K (70 CRI)		29,800	30,700	15,900		30000 L	30000 L
	40K/57K (70 CRI)		30,900	31,900	16,600		30000 L	32000 L
Q8/X8	22K (80 CRI)	182	23,500	24,200	12,550	180	24000 L	24000 L
	27K/30K (70 CRI)		28,400	29,300	15,200		28000 L	30000 L
	40K/57K (70 CRI)		29,500	30,400	15,800		30000 L	30000 L
Q7/X7	22K (80 CRI)	172	22,500	23,200	12,025	170	23000 L	23000 L
	27K/30K (70 CRI)		27,200	28,000	14,575		28000 L	28000 L
	40K/57K (70 CRI)		28,300	29,100	15,100		28000 L	30000 L
Q6/X6	22K (80 CRI)	165	21,700	22,400	11,650	170	22000 L	22000 L
	27K/30K (70 CRI)		26,300	27,100	14,075		26000 L	28000 L
	40K/57K (70 CRI)		27,300	28,200	14,650		28000 L	28000 L
Q5/X5	22K (80 CRI)	149	19,900	20,500	10,650	150	20000 L	21000 L
	27K/30K (70 CRI)		24,000	24,800	12,875		24000 L	24000 L
	40K/57K (70 CRI)		25,000	25,800	13,375		26000 L	26000 L
Q4/X4	22K (80 CRI)	137	18,000	18,600	9,675	140	18000 L	19000 L
	27K/30K (70 CRI)		21,800	22,500	11,700		22000 L	23000 L
	40K/57K (70 CRI)		22,700	23,400	12,150		23000 L	23000 L
Q3/X3	22K (80 CRI)	122	16,700	17,200	8,925	120	17000 L	17000 L
	27K/30K (70 CRI)		20,200	20,800	10,800		20000 L	21000 L
	40K/57K (70 CRI)		21,000	21,600	11,225		21000 L	22000 L
Q2/X2	22K (80 CRI)	109	15,000	15,500	8,025	110	15000 L	16000 L
	27K/30K (70 CRI)		18,200	18,700	9,725		18000 L	19000 L
	40K/57K (70 CRI)		18,900	19,500	10,100		19000 L	20000 L
Q1/X1	22K (80 CRI)	98	13,250	13,675	7,100	100	13000 L	14000 L
	27K/30K (70 CRI)		16,000	16,500	8,600		16000 L	17000 L
	40K/57K (70 CRI)		16,700	17,200	8,925		17000 L	17000 L

* Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%.

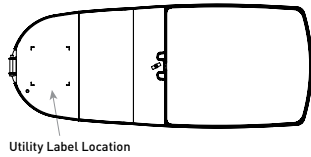
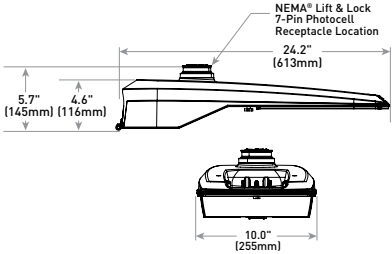
GWYM



Shown w/XA-XSLSHRT accessory
(sold separately)

Weight
12.2 lbs. (5.5kg)

Note: For SL voltage, deduct 1.0 lb. (0.5kg).

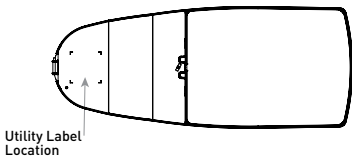
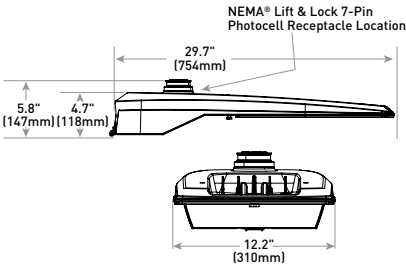


GWYL



Shown w/XA-XSLSHRT accessory
(sold separately)

Weight
18.2 lbs. (8.3kg)



Replacement Parts

Driver Replacement Kits				
Product	Lumen Package	Voltage	Controls	Options
GWY-A- DVRKT	4L 4,000 Lumens 6L 6,000 Lumens 8L 8,000 Lumens 10L 10,000 Lumens 13L 13,000 Lumens 17L 17,000 Lumens 20L 20,000 Lumens 25L 25,000 Lumens 32L 32,000 Lumens	UL Universal 120-277V UH Universal 347-480V - Available only with 6L-32L lumen packages	BLANK - For use with no controls (standard 0-10V dimming) - For use with Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 controls (field adjustable output module not included) DLI DALI Compatible - For use with luminaires with DLI controls - Available with all lumen packages except 4L & 17L - Available only with UL voltage	X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select X8, X7, X6, X5, X4, X3, X2, or X1 - 6L lumen package is available only with X8-X3 settings - Not available with DLI controls - Lumen output is permanently locked to the setting selected