

Arm Mount Colonial LED Decorative Series

AMC Series Specification Data Sheet

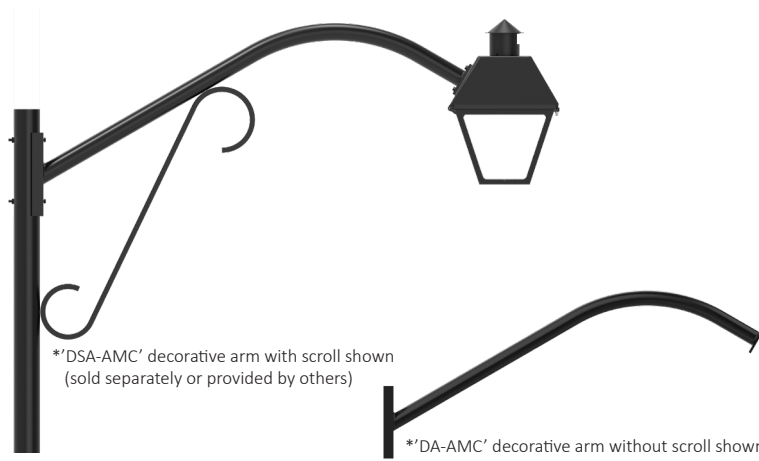
Luminaire Data

Weight 16.80 lbs (7.6 kg)

EPA 1.58 sq. ft.



*shown w/ additional product options



*'DSA-AMC' decorative arm with scroll shown
(sold separately or provided by others)

*'DA-AMC' decorative arm without scroll shown
(sold separately or provided by others)

Ordering Information

Sample Catalog No. AMC-36A-MV-30K7-TA-T5-BK-P7-SAM-PCR7CR-PS-C-SP2-WL1

Product	LED Code	Voltage	Color Temp CRI	Side Panels	Optical Distribution	Finish*	Performance Code	Mounting Configuration
AMC Arm Mount Colonial	36A 36 LEDs Gen-A	MV 120-277V HV 347-480V	27K7 2700K, 70CRI 30K7 3000K, 70CRI 40K7 4000K, 70CRI 50K7 5000K, 70CRI 30K8 3000K, 80CRI 40K8 4000K, 80CRI 50K8 5000K, 80CRI	N No Panels T Textured Poly TA Textured Acrylic SPL Single-Piece 4-sided Textured Acrylic Lens	NR Narrow Roadway MR Medium Roadway WR Wide Roadway T2R Type-2 (regular) T2F Type-2 (forward) T3R Type-3 (regular) T3F Type-3 (forward) T4R Type-4 (regular) T4F Type-4 (forward) T5 Type-5 ORR Optics Rotated Right ORL Optics Rotated Left	BK Black DB1 Dark Bronze (RAL8019) WH White GY Gray CF Coastal Finish *Consult factory for custom finish options, pricing & leadtimes.	P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 (see Pages 3-8 for details)	SAM Side Arm Mount

Driver* & Control Options (*0-10V drivers are standard)		General Options		General Accessories*	
D4i ^{2,5}	DALI D4i Driver	C ⁸	Cupola (twistlock photocontrol compatible) (4.25" dia. x 5.3" H, 108mm x 135mm)	C-AMC ⁸	Cupola (twistlock photocontrol compatible) (4.25" dia. x 5.3" H, 108mm x 135mm)
TLR4 ^{2,3,5}	DALI 4-PIN Twist Lock Receptacle	SP2 ⁹	20kV/10kA Extreme Surge, Fail-to-On	DSA-AMC ¹⁰	Decorative Scroll Arm (5-foot)
NB01P ^{2,4,8}	LEOLink 7-PIN Smart Controller (120-277V)	LSSP2	20kV/10kA Extreme Surge, Fail-to-Off	DA-AMC ¹⁰	Decorative Arm Without Scroll (5-foot)
PCR7CR ²	ANSI 7-wire Control Ready Receptacle	WL	Wattage Label, ANSI C136.15-2015 compliant	BLS-AMC	Enhanced Backlight Shield
SC	Shorting Cap (factory installed)	WL1	Wattage Label, ANSI C136.15-2020 compliant	FSS-AMC	Front Side Shield
LLPC ⁵	Long Life NEMA Twist Lock Photocontrol	BLS	Enhanced Back Light Shield (factory installed)	CSS-AMC	Cul-de-sac Shield
PC	Button-type Photocell	FSS	Front Side Shield (factory installed)	Controls Accessories	
PS ⁶	Field Adjustable Performance Selector	CSS	Cul-de-sac Shield (factory installed)	NB01PSS ¹¹	NB01P Ships Separately
PND1 ⁷	Part Night Dimming V1			LLPCMV	Long Life Photocontrol MV
PND2 ⁷	Part Night Dimming V2			LLPCHV	Long Life Photocontrol HV
PND3 ⁷	Part Night Dimming V3				

1. 80CRI option only available in 3000K, 4000K & 5000K CCTs and may have longer leadtimes (contact factory for details).

2. For full 100% D4i DALI functionality a 'PCR7CR', 'TLR4U' or 'TLR4L' must be selected w/ 'D4i' DALI driver option. DALI compatible node or sensor (by others).

3. 'TLR4' twist lock receptacle option requires 'D4i' driver option to be selected.

4. 'NB01P' requires 'PCR7CR' option, only available in 'MV' 120-277V (contact factory for 'HV' 347-480V availability). 'NB01P' is a cellular based NEMA 7-PIN Smart Controller, 10-YR data (200MB), RenAI subscription included.

5. 'LLPC' requires 'PCR7CR' option to be selected (does not ship installed, included w/ luminaire).

6. 'PS' Performance Selector enables field adjustable light output dimming control from the specified Performance Code, not compatible with DALI driver option (see pg.3 for details).

7. 'PND' options only available w/ 'MV' 120-277V (contact factory for 'HV' 347-480V availability).

8. Contact factory if 'C' Cupola option is required for use with 'NB01P' LEOLink 7-PIN Smart Controller.

9. 10kV/5kA surge, fail-to-on is included standard ('SP1').

10. 'DSA-AMC' Decorative Scroll Arm standard finish is black (must contact factory for additional colors).

11. Denotes 'NB01P' Smart Controllers will ship bulk or master pack and ships separately from the luminaire.

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AMC Specification Sheet 07-27-26 V3. All specifications, data, cat logic, etc. are subject to change without notice.



Luminaire Specifications

Housing & Construction

Rugged grade ADC1 A413 die-cast aluminum upper and lower housing design (<1.0% copper). Aluminum housing and electrical component heatsink is designed to help maximize the LED platform and electrical component lifetimes. Captive tool-free thumb screw provides quick access to all electrical components located in the upper housing or on the lower hinged LED and driver heatsink assembly. Hinged access includes an integral kickstand to help keep the electrical assembly open for ease of installation and general product maintenance. Exposed hardware is corrosion resistant stainless-steel.

Side Arm Mount

Housing canopy includes integral provisions to install to an existing retrofit arm or by an arm that can be ordered separately. Please see dimensional drawings for mounting details. Specifier or installing contractor is responsible to confirm retrofit arm compatibility. Mounting provisions meet 3G vibration per ANSI C136.31-2010 Normal Application, Bridge & Overpass.

Optical Systems

All Micro-lens optical systems are fully sealed to maintain an IP66 rating. All Site & Area and Roadway optical distributions without panels produce 0% total lumens above 90° when installed horizontally (BUG Rating, U=0). Multiple glare and light trespass shielding options and accessories are available (see 'Ordering Information' for details).

Light Emitting Diodes

Hi-flux/Hi-power white LEDs produce a minimum of 90% of initial lumen output at 95,000 hours of life based on IES TM-21 (at 25°C). LEDs are tested in accordance with IES LM-80 testing procedures. IES TM-21 lumen maintenance life projection is based on 6X the duration of the LED's IES LM-80 performance data (estimates beyond 6X are extrapolated per TM-21). LED correlated color temperature options of 2700K, 3000K, 4000K, or 5000K @ 70CRI or 80CRI (2700K is 70CRI only). LEDs are 100% mercury and lead free.

Color Specifications*

Order Code	Color	RAL #	Pantone Equivalent
GY	Gray	7040	429C
BK	Black	9004	BLACK 6C
DB1	Dark Bronze	8019	412
WH	White	9003	11-0601

*Consult factory for custom finish options, pricing & leadtimes.

Photometry

Luminaire's optics and photometrics are tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Electrical

Rated life of electrical components is 100,000 hours. Standard 0-10V dimmable drivers use an isolated power supply with 6kV integral surge standard. Power supply features a minimum power factor of 0.90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Optional DALI D4i certified LED drivers are also available, which complies with IEC 62386 and ANSI C137.4 and DiiA. Standard integral 3-position terminal block accommodates 6 to 16AWG wire. Standard surge protection (10kV/5kA Surge, Fail-to-On) complies with IEEE/ANSI C62.41 and ANSI C136.2-2015. Optional 'SP2' and 'LSSP2' provides (20kV/10kA) extreme level surge protection.

Controls

ANSI C136.41 7-wire controls ready photocontrol receptacle 'PCR7CR' option is available (wireless control module/node by others). Photocontrol receptacle has a tool-less rotatable base with a positive lock to not allow for over-rotation and possible damage to the receptacle. Optional, DALI D4i and Part Night Dimming driver configurations are also available for added controllability and design flexibility. DALI compatible 'TLR4U' 4-PIN twist lock receptacle option is available (wireless DALI control nodes or sensors by others).

Field Adjustability

Optional Performance Selector 'PS' is an integral 8-step fixed position dial allowing field adjustable lumen and wattage dimming control for added project and design versatility to meet installation specific requirements. The specified Performance Code provides maximum lumen output and will be factory set when the 'PS' option is selected.

LEOLink Intelligent Lighting System

ANSI C136.41 7-wire smart wireless controllers allow real-time monitoring and asset management of luminaires with 'NB01P' wireless control nodes installed. RenAI cloud-based application receives system data while applying specific AI models for fault isolation and the resolution of voltage health, outages, knockdowns, energy usage, LED faults and more. Allows for full remote management of the luminaire, including the ability to store and execute customer specific schedules and performance parameters. System communicates via standard 4G/5G IoT networks with a cellular data plan and RenAI subscription.

Finish

Housing receives a fade and abrasion resistant textured polyester powder coat finish with 3.0 mil nominal thickness. Finish tested to withstand 5000 hours in salt spray exposure per ASTM B117 and Coastal Finish per ASTM G85. Finish tested 500 hours in UV exposure per ASTM G154 and meets ASTM D523 gloss retention.

Listings/Ratings/Labels

Luminaires are UL listed for use in wet locations in the United States and Canada and are rated IP66. Luminaires are qualified to operate at ambient temperatures of -40°C to 50°C. (-40°F to 122°F)

Government Procurement Compliance

BAA - Buy America(n) Act: All LEOTEK luminaires qualify as a "Domestic End Product" per the Buy American Act as governed by FAR.

BABA - Build America Buy America: All LEOTEK luminaires are compliant with the requirements for BABA as outlined per the Federal Highway Administration (FHWA).

Quality Control

Every luminaire is assembled in the USA and is performance tested before and after a 2-hour burn-in period.

Warranty

5-year limited warranty is standard on luminaire and components. See LEOTEK.com for warranty details, terms and conditions.

Standards

Luminaire complies with:

ANSI: C136.2, C136.3, C136.10, C136.13, C136.15, C136.22, C136.31, C136.35, C136.37, C136.41, C62.41, C78.377, C82.77

Other: FCC 47 CFR, IEC 60598, ROHS II, UL 1449, UL 1598

No Side Panels Performance Data* (70CRI*, 25°C ambient... *for 80CRI option use a 0.91 multiplier)

Normal tolerance +/- 10% due to factors that include distribution type, LED bin variance and ambient temperatures.

Perf. Code	System Wattage (W)	Optic	27K7 (2700K CCT, 70CRI)					30K7 (3000K CCT, 70CRI)					40K7 (4000K CCT, 70CRI)					50K7 (5000K CCT, 70CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50K Hours	75K Hours	100K Hours
P1	23	NR	3,142	137.0	1	0	1	3,363	146.0	1	0	1	3,519	153.0	1	0	1	3,519	153.0	1	0	1	0.979	0.972	0.965
		MR	3,191	139.0	1	0	1	3,414	148.0	1	0	1	3,573	155.0	1	0	1	3,573	155.0	1	0	1			
		WR	3,148	137.0	1	0	1	3,369	146.0	1	0	1	3,526	153.0	1	0	1	3,526	153.0	1	0	1			
		T2R	3,135	136.0	1	0	1	3,355	146.0	1	0	1	3,511	153.0	1	0	1	3,511	153.0	1	0	1			
		T2F	3,132	136.0	1	0	1	3,351	146.0	1	0	1	3,507	152.0	1	0	2	3,507	152.0	1	0	2			
		T3R	3,139	136.0	1	0	1	3,359	146.0	1	0	1	3,515	153.0	1	0	1	3,515	153.0	1	0	1			
		T3F	3,059	133.0	1	0	1	3,274	142.0	1	0	1	3,426	149.0	1	0	1	3,426	149.0	1	0	1			
		T4R	3,037	132.0	1	0	1	3,249	141.0	1	0	1	3,401	148.0	1	0	1	3,401	148.0	1	0	1			
		T4F	3,049	133.0	1	0	2	3,263	142.0	1	0	2	3,414	148.0	1	0	2	3,414	148.0	1	0	2			
		T5	3,118	136.0	2	0	1	3,337	145.0	2	0	1	3,492	152.0	2	0	1	3,492	152.0	2	0	1			
P2	29	NR	4,043	139.0	1	0	1	4,326	149.0	1	0	1	4,528	156.0	1	0	1	4,528	156.0	1	0	1	0.979	0.972	0.965
		MR	4,105	142.0	1	0	1	4,393	151.0	1	0	1	4,597	159.0	1	0	1	4,597	159.0	1	0	1			
		WR	4,050	140.0	1	0	1	4,334	149.0	1	0	1	4,536	156.0	1	0	1	4,536	156.0	1	0	1			
		T2R	4,033	139.0	1	0	1	4,316	149.0	1	0	1	4,517	156.0	1	0	1	4,517	156.0	1	0	1			
		T2F	4,029	139.0	1	0	2	4,312	149.0	1	0	2	4,512	156.0	1	0	2	4,512	156.0	1	0	2			
		T3R	4,038	139.0	1	0	1	4,321	149.0	1	0	1	4,522	156.0	1	0	1	4,522	156.0	1	0	1			
		T3F	3,936	136.0	1	0	1	4,212	145.0	1	0	1	4,408	152.0	1	0	1	4,408	152.0	1	0	1			
		T4R	3,907	135.0	1	0	1	4,181	144.0	1	0	2	4,375	151.0	1	0	2	4,375	151.0	1	0	2			
		T4F	3,922	135.0	1	0	2	4,197	145.0	1	0	2	4,393	151.0	1	0	2	4,393	151.0	1	0	2			
		T5	4,011	138.0	3	0	2	4,293	148.0	3	0	2	4,493	155.0	3	0	2	4,493	155.0	3	0	2			
P3	36	NR	4,930	137.0	1	0	1	5,275	147.0	1	0	1	5,521	153.0	1	0	1	5,521	153.0	1	0	1	0.979	0.972	0.965
		MR	5,005	139.0	1	0	1	5,356	149.0	1	0	1	5,606	156.0	2	0	2	5,606	156.0	2	0	2			
		WR	4,939	137.0	2	0	2	5,285	147.0	2	0	2	5,531	154.0	2	0	2	5,531	154.0	2	0	2			
		T2R	4,918	137.0	1	0	1	5,263	146.0	1	0	2	5,508	153.0	1	0	2	5,508	153.0	1	0	2			
		T2F	4,913	136.0	1	0	2	5,258	146.0	2	0	2	5,502	153.0	2	0	2	5,502	153.0	2	0	2			
		T3R	4,924	137.0	1	0	1	5,269	146.0	1	0	2	5,514	153.0	1	0	2	5,514	153.0	1	0	2			
		T3F	4,799	133.0	1	0	1	5,136	143.0	1	0	1	5,375	149.0	1	0	1	5,375	149.0	1	0	1			
		T4R	4,764	132.0	1	0	2	5,098	142.0	1	0	2	5,335	148.0	1	0	2	5,335	148.0	1	0	2			
		T4F	4,783	133.0	1	0	2	5,118	142.0	1	0	2	5,357	149.0	1	0	2	5,357	149.0	1	0	2			
		T5	4,892	136.0	3	0	2	5,235	145.0	3	0	2	5,478	152.0	3	0	2	5,478	152.0	3	0	2			
P4	43	NR	5,809	135.0	1	0	1	6,216	145.0	1	0	1	6,506	151.0	2	0	1	6,506	151.0	2	0	1	0.979	0.972	0.965
		MR	5,898	137.0	2	0	2	6,312	147.0	2	0	2	6,606	154.0	2	0	2	6,606	154.0	2	0	2			
		WR	5,820	135.0	2	0	2	6,228	145.0	2	0	2	6,518	152.0	2	0	2	6,518	152.0	2	0	2			
		T2R	5,795	135.0	2	0	2	6,202	144.0	2	0	2	6,490	151.0	2	0	2	6,490	151.0	2	0	2			
		T2F	5,790	135.0	2	0	2	6,195	144.0	2	0	2	6,484	151.0	2	0	2	6,484	151.0	2	0	2			
		T3R	5,802	135.0	1	0	2	6,209	144.0	2	0	2	6,498	151.0	2	0	2	6,498	151.0	2	0	2			
		T3F	5,655	132.0	2	0	2	6,052	141.0	2	0	2	6,334	147.0	2	0	2	6,334	147.0	2	0	2			
		T4R	5,614	131.0	1	0	2	6,007	140.0	1	0	2	6,287	146.0	1	0	2	6,287	146.0	1	0	2			
		T4F	5,636	131.0	1	0	2	6,031	140.0	1	0	2	6,312	147.0	1	0	2	6,312	147.0	1	0	2			
		T5	5,764	134.0	3	0	2	6,168	143.0	3	0	2	6,455	150.0	3	0	2	6,455	150.0	3	0	2			
P5	52	NR	6,933	133.0	2	0	1	7,419	143.0	2	0	1	7,764	149.0	2	0	1	7,764	149.0	2	0	1	0.942	0.919	0.896
		MR	7,039	135.0	2	0	2	7,533	145.0	2	0	2	7,884	152.0	2	0	2	7,884	152.0	2	0	2			
		WR	6,946	134.0	2	0	2	7,433	143.0	2	0	2	7,779	150.0	2	0	2	7,779	150.0	2	0	2			
		T2R	6,916	133.0	2	0	2	7,401	142.0	2	0	2	7,746	149.0	2	0	2	7,746	149.0	2	0	2			
		T2F	6,910	133.0	2	0	2	7,394	142.0	2	0	2	7,738	149.0	2	0	3	7,738	149.0	2	0	3			
		T3R	6,924	133.0	2	0	2	7,410	142.0	2	0	2	7,755	149.0	2	0	2	7,755	149.0	2	0	2			
		T3F	6,750	130.0	2	0	2	7,223	139.0	2	0	2	7,559	145.0	2	0	2	7,559	145.0	2	0	2			
		T4R	6,700	129.0	1	0	2	7,169	138.0	1	0	2	7,503	144.0	1	0	2	7,503	144.0	1	0	2			
		T4F	6,727	129.0	2	0	2	7,198	138.0	2	0	3	7,533	145.0	2	0	3	7,533	145.0	2	0	3			
		T5	6,879	132.0	3	0	2	7,362	142.0	3	0	2	7,704	148.0	3	0	2	7,704	148.0	3	0	2			

No Side Panels Performance Data* (70CRI*, 25°C ambient... *for 80CRI option use a 0.91 multiplier)

Normal tolerance +/- 10% due to factors that include distribution type, LED bin variance and ambient temperatures.

Perf. Code	System Wattage (W)	Optic	27K7 (2700K CCT, 70CRI)					30K7 (3000K CCT, 70CRI)					40K7 (4000K CCT, 70CRI)					50K7 (5000K CCT, 70CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50K Hours	75K Hours	100K Hours
P6	58	NR	7,931	137.0	2	0	1	8,487	146.0	2	0	2	8,882	153.0	2	0	2	8,882	153.0	2	0	2	0942	0919	0.896
		MR	8,053	139.0	2	0	2	8,618	149.0	2	0	2	9,019	155.0	2	0	2	9,019	155.0	2	0	2			
		WR	7,946	137.0	2	0	2	8,503	147.0	2	0	2	8,899	153.0	2	0	2	8,899	153.0	2	0	2			
		T2R	7,912	136.0	2	0	2	8,467	146.0	2	0	2	8,861	153.0	2	0	2	8,861	153.0	2	0	2			
		T2F	7,904	136.0	2	0	3	8,459	146.0	2	0	3	8,853	153.0	2	0	3	8,853	153.0	2	0	3			
		T3R	7,921	137.0	2	0	2	8,477	146.0	2	0	2	8,872	153.0	2	0	2	8,872	153.0	2	0	2			
		T3F	7,721	133.0	2	0	2	8,263	142.0	2	0	2	8,648	149.0	2	0	2	8,648	149.0	2	0	2			
		T4R	7,664	132.0	1	0	2	8,201	141.0	2	0	2	8,583	148.0	2	0	2	8,583	148.0	2	0	2			
		T4F	7,695	133.0	2	0	3	8,235	142.0	2	0	3	8,618	149.0	2	0	3	8,618	149.0	2	0	3			
		T5	7,870	136.0	3	0	2	8,421	145.0	3	0	2	8,814	152.0	4	0	2	8,814	152.0	4	0	2			
P7	67	NR	9,031	135.0	2	0	2	9,664	144.0	2	0	2	10,114	151.0	2	0	2	10,114	151.0	2	0	2	0942	0919	0.896
		MR	9,170	137.0	2	0	2	9,813	146.0	2	0	2	10,270	153.0	2	0	2	10,270	153.0	2	0	2			
		WR	9,048	135.0	2	0	2	9,682	145.0	3	0	3	10,133	151.0	3	0	3	10,133	151.0	3	0	3			
		T2R	9,010	134.0	2	0	2	9,641	144.0	2	0	2	10,090	151.0	2	0	2	10,090	151.0	2	0	2			
		T2F	9,001	134.0	2	0	3	9,632	144.0	2	0	3	10,080	150.0	2	0	3	10,080	150.0	2	0	3			
		T3R	9,020	135.0	2	0	2	9,652	144.0	2	0	2	10,102	151.0	2	0	2	10,102	151.0	2	0	2			
		T3F	8,792	131.0	2	0	2	9,409	140.0	2	0	2	9,847	147.0	2	0	2	9,847	147.0	2	0	2			
		T4R	8,727	130.0	2	0	2	9,339	139.0	2	0	3	9,774	146.0	2	0	3	9,774	146.0	2	0	3			
		T4F	8,762	131.0	2	0	3	9,376	140.0	2	0	3	9,813	146.0	2	0	3	9,813	146.0	2	0	3			
		T5	8,961	134.0	4	0	2	9,589	143.0	4	0	3	10,036	150.0	4	0	3	10,036	150.0	4	0	3			
P8	75	NR	9,837	131.0	2	0	2	10,527	140.0	2	0	2	11,017	147.0	2	0	2	11,017	147.0	2	0	2	0942	0919	0.896
		MR	9,989	133.0	2	0	2	10,689	143.0	2	0	2	11,187	149.0	3	0	3	11,187	149.0	3	0	3			
		WR	9,856	131.0	3	0	3	10,547	141.0	3	0	3	11,038	147.0	3	0	3	11,038	147.0	3	0	3			
		T2R	9,814	131.0	2	0	2	10,502	140.0	2	0	2	10,991	147.0	2	0	2	10,991	147.0	2	0	2			
		T2F	9,804	131.0	2	0	3	10,492	140.0	3	0	3	10,980	146.0	3	0	3	10,980	146.0	3	0	3			
		T3R	9,825	131.0	2	0	2	10,514	140.0	2	0	2	11,004	147.0	2	0	2	11,004	147.0	2	0	2			
		T3F	9,577	128.0	2	0	2	10,249	137.0	2	0	2	10,726	143.0	2	0	2	10,726	143.0	2	0	2			
		T4R	9,506	127.0	2	0	3	10,173	136.0	2	0	3	10,647	142.0	2	0	3	10,647	142.0	2	0	3			
		T4F	9,545	127.0	2	0	3	10,214	136.0	2	0	3	10,689	143.0	2	0	3	10,689	143.0	2	0	3			
		T5	9,761	130.0	4	0	3	10,446	139.0	4	0	3	10,932	146.0	4	0	3	10,932	146.0	4	0	3			
P9	84	NR	10,888	130.0	2	0	2	11,651	139.0	2	0	2	12,194	145.0	2	0	2	12,194	145.0	2	0	2	0942	0919	0.896
		MR	11,056	132.0	3	0	3	11,831	141.0	3	0	3	12,382	147.0	3	0	3	12,382	147.0	3	0	3			
		WR	10,909	130.0	3	0	3	11,673	139.0	3	0	3	12,217	145.0	3	0	3	12,217	145.0	3	0	3			
		T2R	10,863	129.0	2	0	2	11,624	138.0	3	0	3	12,166	145.0	3	0	3	12,166	145.0	3	0	3			
		T2F	10,852	129.0	3	0	3	11,613	138.0	3	0	3	12,153	145.0	3	0	3	12,153	145.0	3	0	3			
		T3R	10,875	129.0	2	0	2	11,638	139.0	2	0	3	12,180	145.0	3	0	3	12,180	145.0	3	0	3			
		T3F	10,600	126.0	2	0	2	11,344	135.0	3	0	3	11,872	141.0	3	0	3	11,872	141.0	3	0	3			
		T4R	10,522	125.0	2	0	3	11,260	134.0	2	0	3	11,784	140.0	2	0	3	11,784	140.0	2	0	3			
		T4F	10,564	126.0	2	0	3	11,305	135.0	2	0	3	11,831	141.0	2	0	3	11,831	141.0	2	0	3			
		T5	10,804	129.0	4	0	3	11,562	138.0	4	0	3	12,100	144.0	4	0	3	12,100	144.0	4	0	3			
P10	91	NR	11,657	128.0	2	0	2	12,474	137.0	2	0	2	13,055	143.0	3	0	2	13,055	143.0	3	0	2	0942	0919	0.896
		MR	11,837	130.0	3	0	3	12,666	139.0	3	0	3	13,256	146.0	3	0	3	13,256	146.0	3	0	3			
		WR	11,679	128.0	3	0	3	12,498	137.0	3	0	3	13,080	144.0	3	0	3	13,080	144.0	3	0	3			
		T2R	11,630	128.0	3	0	3	12,445	137.0	3	0	3	13,025	143.0	3	0	3	13,025	143.0	3	0	3			
		T2F	11,618	128.0	3	0	3	12,433	137.0	3	0	3	13,012	143.0	3	0	3	13,012	143.0	3	0	3			
		T3R	11,643	128.0	2	0	3	12,459	137.0	3	0	3	13,040	143.0	3	0	3	13,040	143.0	3	0	3			
		T3F	11,349	125.0	3	0	3	12,145	133.0	3	0	3	12,710	140.0	3	0	3	12,710	140.0	3	0	3			
		T4R	11,265	124.0	2	0	3	12,055	132.0	2	0	3	12,616	139.0	2	0	3	12,616	139.0	2	0	3			
		T4F	11,310	124.0	2	0	3	12,103	133.0	2	0	3	12,667	139.0	2	0	3	12,667	139.0	2	0	3			
		T5	11,567	127.0	4	0	3	12,378	136.0	4	0	3	12,955	142.0	4	0	3	12,955	142.0	4	0	3			

'SPL' Single-Piece Lens & 'TA' Textured Acrylic Panels Performance Data* (70CRI*, 25°C ambient... *for 80CRI option use a 0.91 multiplier)

Normal tolerance +/- 10% due to factors that include distribution type, LED bin variance and ambient temperatures.

Perf. Code	System Wattage (W)	Optic	27K7 (2700K CCT, 70CRI)					30K7 (3000K CCT, 70CRI)					40K7 (4000K CCT, 70CRI)					50K7 (5000K CCT, 70CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50K Hours	75K Hours	100K Hours
P1	23	NR	3,056	133.0	1	3	1	3,271	142.0	1	3	2	3,423	149.0	1	3	2	3,423	149.0	1	3	2	0.979	0.972	0.965
		MR	3,100	135.0	1	3	2	3,317	144.0	1	3	2	3,471	151.0	1	3	2	3,471	151.0	1	3	2			
		WR	3,059	133.0	1	3	2	3,274	142.0	1	3	2	3,426	149.0	1	3	2	3,426	149.0	1	3	2			
		T2R	3,036	132.0	1	3	2	3,249	141.0	1	3	2	3,400	148.0	1	3	2	3,400	148.0	1	3	2			
		T2F	3,035	132.0	1	3	2	3,248	141.0	1	3	2	3,400	148.0	1	3	2	3,400	148.0	1	3	2			
		T3R	3,053	133.0	1	3	2	3,267	142.0	1	3	2	3,419	149.0	1	3	2	3,419	149.0	1	3	2			
		T3F	2,999	130.0	1	3	1	3,209	140.0	1	3	1	3,359	146.0	1	3	2	3,359	146.0	1	3	2			
		T4R	2,957	129.0	1	3	2	3,165	138.0	1	3	2	3,312	144.0	1	3	2	3,312	144.0	1	3	2			
		T4F	2,974	129.0	1	3	2	3,183	138.0	1	3	2	3,331	145.0	1	3	2	3,331	145.0	1	3	2			
		T5	3,041	132.0	2	3	2	3,254	141.0	2	3	2	3,406	148.0	2	3	2	3,406	148.0	2	3	2			
P2	29	NR	3,932	136.0	1	3	2	4,208	145.0	1	3	2	4,404	152.0	1	3	2	4,404	152.0	1	3	2	0.979	0.972	0.965
		MR	3,988	138.0	1	3	2	4,267	147.0	1	3	2	4,466	154.0	1	3	2	4,466	154.0	1	3	2			
		WR	3,936	136.0	1	3	2	4,212	145.0	1	3	2	4,408	152.0	1	3	2	4,408	152.0	1	3	2			
		T2R	3,906	135.0	1	3	2	4,180	144.0	1	3	2	4,374	151.0	1	3	2	4,374	151.0	1	3	2			
		T2F	3,905	135.0	1	3	2	4,179	144.0	1	3	2	4,374	151.0	1	3	2	4,374	151.0	1	3	2			
		T3R	3,927	135.0	1	3	2	4,203	145.0	1	3	2	4,398	152.0	1	3	2	4,398	152.0	1	3	2			
		T3F	3,858	133.0	1	3	2	4,129	142.0	1	3	2	4,321	149.0	1	3	2	4,321	149.0	1	3	2			
		T4R	3,805	131.0	1	3	2	4,072	140.0	1	3	3	4,261	147.0	1	3	3	4,261	147.0	1	3	3			
		T4F	3,827	132.0	1	3	3	4,095	141.0	1	3	3	4,286	148.0	1	3	3	4,286	148.0	1	3	3			
		T5	3,912	135.0	2	3	2	4,186	144.0	2	3	2	4,381	151.0	2	3	2	4,381	151.0	2	3	2			
P3	36	NR	4,795	133.0	1	3	2	5,131	143.0	1	3	2	5,370	149.0	1	3	2	5,370	149.0	1	3	2	0.979	0.972	0.965
		MR	4,863	135.0	1	3	2	5,204	145.0	1	3	2	5,446	151.0	2	3	2	5,446	151.0	2	3	2			
		WR	4,800	133.0	1	3	2	5,136	143.0	2	3	2	5,375	149.0	2	3	2	5,375	149.0	2	3	2			
		T2R	4,763	132.0	1	3	2	5,097	142.0	1	3	2	5,334	148.0	1	3	2	5,334	148.0	1	3	2			
		T2F	4,762	132.0	1	3	3	5,096	142.0	2	3	3	5,333	148.0	2	3	3	5,333	148.0	2	3	3			
		T3R	4,789	133.0	1	3	2	5,125	142.0	1	3	3	5,364	149.0	1	3	3	5,364	149.0	1	3	3			
		T3F	4,705	131.0	1	3	2	5,034	140.0	1	3	2	5,269	146.0	1	3	2	5,269	146.0	1	3	2			
		T4R	4,640	129.0	1	3	3	4,965	138.0	1	3	3	5,196	144.0	1	3	3	5,196	144.0	1	3	3			
		T4F	4,666	130.0	1	3	3	4,993	139.0	1	3	3	5,226	145.0	1	3	3	5,226	145.0	1	3	3			
		T5	4,770	133.0	3	3	3	5,105	142.0	3	3	3	5,343	148.0	3	3	3	5,343	148.0	3	3	3			
P4	43	NR	5,650	131.0	1	3	2	6,047	141.0	2	3	2	6,328	147.0	2	3	2	6,328	147.0	2	3	2	0.979	0.972	0.965
		MR	5,730	133.0	2	3	2	6,132	143.0	2	3	3	6,417	149.0	2	3	3	6,417	149.0	2	3	3			
		WR	5,656	132.0	2	3	3	6,052	141.0	2	3	3	6,334	147.0	2	3	3	6,334	147.0	2	3	3			
		T2R	5,612	131.0	2	3	3	6,006	140.0	2	3	3	6,285	146.0	2	3	3	6,285	146.0	2	3	3			
		T2F	5,611	130.0	2	3	3	6,005	140.0	2	3	3	6,285	146.0	2	3	3	6,285	146.0	2	3	3			
		T3R	5,643	131.0	1	3	3	6,039	140.0	2	3	3	6,320	147.0	2	3	3	6,320	147.0	2	3	3			
		T3F	5,544	129.0	2	3	2	5,932	138.0	2	3	2	6,209	144.0	2	3	2	6,209	144.0	2	3	2			
		T4R	5,467	127.0	1	3	3	5,850	136.0	1	3	3	6,123	142.0	1	3	3	6,123	142.0	1	3	3			
		T4F	5,498	128.0	1	3	3	5,884	137.0	1	3	3	6,158	143.0	2	3	3	6,158	143.0	2	3	3			
		T5	5,621	131.0	3	3	3	6,015	140.0	3	3	3	6,296	146.0	3	3	3	6,296	146.0	3	3	3			
P5	52	NR	6,743	130.0	2	3	2	7,216	139.0	2	3	3	7,552	145.0	2	3	3	7,552	145.0	2	3	3	0.942	0.919	0.896
		MR	6,839	132.0	2	3	3	7,318	141.0	2	3	3	7,659	147.0	2	3	3	7,659	147.0	2	3	3			
		WR	6,750	130.0	2	3	3	7,223	139.0	2	3	3	7,560	145.0	2	3	3	7,560	145.0	2	3	3			
		T2R	6,698	129.0	2	3	3	7,167	138.0	2	3	3	7,501	144.0	2	3	3	7,501	144.0	2	3	3			
		T2F	6,697	129.0	2	3	3	7,167	138.0	2	3	3	7,500	144.0	2	3	3	7,500	144.0	2	3	3			
		T3R	6,735	130.0	2	3	3	7,207	139.0	2	3	3	7,543	145.0	2	3	3	7,543	145.0	2	3	3			
		T3F	6,616	127.0	2	3	2	7,080	136.0	2	3	2	7,410	142.0	2	3	3	7,410	142.0	2	3	3			
		T4R	6,525	125.0	1	3	3	6,982	134.0	1	3	3	7,307	141.0	2	3	3	7,307	141.0	2	3	3			
		T4F	6,562	126.0	2	3	3	7,022	135.0	2	3	3	7,349	141.0	2	3	3	7,349	141.0	2	3	3			
		T5	6,709	129.0	3	3	3	7,179	138.0	3	3	3	7,514	144.0	3	3	3	7,514	144.0	3	3	3			

‘SPL’ Single-Piece Lens & ‘TA’ Textured Acrylic Panels Performance Data* (70CRI*, 25°C ambient... *for 80CRI option use a 0.91 multiplier)
 Normal tolerance +/- 10% due to factors that include distribution type, LED bin variance and ambient temperatures.

Perf. Code	System Wattage (W)	Optic	27K7 (2700K CCT, 70CRI)					30K7 (3000K CCT, 70CRI)					40K7 (4000K CCT, 70CRI)					50K7 (5000K CCT, 70CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50K Hours	75K Hours	100K Hours
P6	58	NR	7,714	133.0	2	3	3	8,255	142.0	2	3	3	8,640	149.0	2	3	3	8,640	149.0	2	3	3	0.942	0.919	0.896
		MR	7,823	135.0	2	3	3	8,372	144.0	2	3	3	8,762	151.0	2	3	3	8,762	151.0	2	3	3			
		WR	7,722	133.0	2	3	3	8,263	142.0	2	3	3	8,648	149.0	2	3	3	8,648	149.0	2	3	3			
		T2R	7,662	132.0	2	3	3	8,199	141.0	2	3	3	8,581	148.0	2	3	3	8,581	148.0	2	3	3			
		T2F	7,661	132.0	2	3	3	8,198	141.0	2	3	3	8,580	148.0	2	3	3	8,580	148.0	2	3	3			
		T3R	7,705	133.0	2	3	3	8,245	142.0	2	3	3	8,629	149.0	2	3	3	8,629	149.0	2	3	3			
		T3F	7,569	130.0	2	3	3	8,100	140.0	2	3	3	8,477	146.0	2	3	3	8,477	146.0	2	3	3			
		T4R	7,464	129.0	2	3	3	7,988	138.0	2	3	3	8,360	144.0	2	3	3	8,360	144.0	2	3	3			
		T4F	7,507	129.0	2	3	3	8,033	139.0	2	3	4	8,407	145.0	2	3	4	8,407	145.0	2	3	4			
		T5	7,675	132.0	3	3	3	8,213	142.0	3	3	3	8,595	148.0	3	3	3	8,595	148.0	3	3	3			
P7	67	NR	8,784	131.0	2	3	3	9,400	140.0	2	3	3	9,838	147.0	2	3	3	9,838	147.0	2	3	3	0.942	0.919	0.896
		MR	8,908	133.0	2	3	3	9,533	142.0	2	3	3	9,977	149.0	2	3	3	9,977	149.0	2	3	3			
		WR	8,793	131.0	2	3	3	9,409	140.0	2	3	3	9,847	147.0	2	3	3	9,847	147.0	2	3	3			
		T2R	8,725	130.0	2	3	3	9,337	139.0	2	3	3	9,771	146.0	2	3	3	9,771	146.0	2	3	3			
		T2F	8,724	130.0	2	3	3	9,335	139.0	2	3	3	9,770	146.0	2	3	3	9,770	146.0	2	3	3			
		T3R	8,773	131.0	2	3	3	9,388	140.0	2	3	3	9,826	147.0	2	3	3	9,826	147.0	2	3	3			
		T3F	8,619	129.0	2	3	3	9,223	138.0	2	3	3	9,652	144.0	2	3	3	9,652	144.0	2	3	3			
		T4R	8,499	127.0	2	3	3	9,095	136.0	2	3	4	9,519	142.0	2	3	4	9,519	142.0	2	3	4			
		T4F	8,548	128.0	2	3	4	9,147	137.0	2	3	4	9,573	143.0	2	3	4	9,573	143.0	2	3	4			
		T5	8,739	130.0	3	3	3	9,352	140.0	3	3	3	9,787	146.0	3	3	3	9,787	146.0	3	3	3			
P8	75	NR	9,569	128.0	2	3	3	10,239	137.0	2	3	3	10,716	143.0	2	3	3	10,716	143.0	2	3	3	0.942	0.919	0.896
		MR	9,704	129.0	2	3	3	10,384	138.0	2	3	3	10,868	145.0	3	3	3	10,868	145.0	3	3	3			
		WR	9,578	128.0	2	3	3	10,249	137.0	3	3	3	10,727	143.0	3	3	3	10,727	143.0	3	3	3			
		T2R	9,504	127.0	2	3	3	10,170	136.0	2	3	3	10,644	142.0	2	3	3	10,644	142.0	2	3	3			
		T2F	9,503	127.0	2	3	3	10,169	136.0	3	3	3	10,643	142.0	3	3	4	10,643	142.0	3	3	4			
		T3R	9,557	127.0	2	3	3	10,227	136.0	2	3	3	10,703	143.0	2	3	3	10,703	143.0	2	3	3			
		T3F	9,388	125.0	2	3	3	10,046	134.0	2	3	3	10,514	140.0	2	3	3	10,514	140.0	2	3	3			
		T4R	9,258	123.0	2	3	4	9,908	132.0	2	3	4	10,369	138.0	2	3	4	10,369	138.0	2	3	4			
		T4F	9,311	124.0	2	3	4	9,964	133.0	2	3	4	10,428	139.0	2	3	4	10,428	139.0	2	3	4			
		T5	9,519	127.0	3	3	3	10,187	136.0	3	3	4	10,661	142.0	3	3	4	10,661	142.0	3	3	4			
P9	84	NR	10,591	126.0	2	3	3	11,333	135.0	2	3	3	11,861	141.0	3	3	3	11,861	141.0	3	3	3	0.942	0.919	0.896
		MR	10,740	128.0	3	3	3	11,493	137.0	3	3	3	12,029	143.0	3	3	3	12,029	143.0	3	3	3			
		WR	10,601	126.0	3	3	3	11,344	135.0	3	3	3	11,873	141.0	3	3	3	11,873	141.0	3	3	3			
		T2R	10,519	125.0	2	3	3	11,257	134.0	3	3	3	11,781	140.0	3	3	3	11,781	140.0	3	3	3			
		T2F	10,518	125.0	3	3	4	11,255	134.0	3	3	4	11,780	140.0	3	3	4	11,780	140.0	3	3	4			
		T3R	10,578	126.0	2	3	3	11,319	135.0	2	3	4	11,846	141.0	3	3	4	11,846	141.0	3	3	4			
		T3F	10,391	124.0	2	3	3	11,120	132.0	3	3	3	11,637	139.0	3	3	3	11,637	139.0	3	3	3			
		T4R	10,247	122.0	2	3	4	10,966	131.0	2	3	4	11,477	137.0	2	3	4	11,477	137.0	2	3	4			
		T4F	10,306	123.0	2	3	4	11,029	131.0	2	3	4	11,542	137.0	2	3	4	11,542	137.0	2	3	4			
		T5	10,536	125.0	3	3	4	11,275	134.0	4	3	4	11,800	140.0	4	3	4	11,800	140.0	4	3	4			
P10	91	NR	11,339	125.0	2	3	3	12,134	133.0	3	3	3	12,699	140.0	3	3	3	12,699	140.0	3	3	3	0.942	0.919	0.896
		MR	11,499	126.0	3	3	3	12,305	135.0	3	3	3	12,878	142.0	3	3	3	12,878	142.0	3	3	3			
		WR	11,350	125.0	3	3	3	12,146	133.0	3	3	4	12,711	140.0	3	3	4	12,711	140.0	3	3	4			
		T2R	11,262	124.0	3	3	3	12,052	132.0	3	3	3	12,613	139.0	3	3	4	12,613	139.0	3	3	4			
		T2F	11,261	124.0	3	3	4	12,050	132.0	3	3	4	12,612	139.0	3	3	4	12,612	139.0	3	3	4			
		T3R	11,325	124.0	2	3	4	12,119	133.0	3	3	4	12,683	139.0	3	3	4	12,683	139.0	3	3	4			
		T3F	11,125	122.0	3	3	3	11,905	131.0	3	3	3	12,459	137.0	3	3	3	12,459	137.0	3	3	3			
		T4R	10,971	121.0	2	3	4	11,740	129.0	2	3	4	12,287	135.0	2	3	4	12,287	135.0	2	3	4			
		T4F	11,034	121.0	2	3	4	11,808	130.0	2	3	4	12,357	136.0	3	3	5	12,357	136.0	3	3	5			
		T5	11,281	124.0	4	3	4	12,072	133.0	4	3	4	12,634	139.0	4	3	4	12,634	139.0	4	3	4			

'T' Textured Polycarbonate Panels Performance Data* (70CRI*, 25°C ambient...*for 80CRI option use a 0.91 multiplier)

Normal tolerance +/- 10% due to factors that include distribution type, LED bin variance and ambient temperatures.

Perf. Code	System Wattage (W)	Optic	27K7 (2700K CCT, 70CRI)					30K7 (3000K CCT, 70CRI)					40K7 (4000K CCT, 70CRI)					50K7 (5000K CCT, 70CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50K Hours	75K Hours	100K Hours
P1	23	NR	2,965	129.0	1	3	1	3,173	138.0	1	3	2	3,320	144.0	1	3	2	3,320	144.0	1	3	2	0.979	0.972	0.965
		MR	3,007	131.0	1	3	2	3,217	140.0	1	3	2	3,367	146.0	1	3	2	3,367	146.0	1	3	2			
		WR	2,968	129.0	1	3	2	3,176	138.0	1	3	2	3,324	145.0	1	3	2	3,324	145.0	1	3	2			
		T2R	2,945	128.0	1	3	2	3,151	137.0	1	3	2	3,298	143.0	1	3	2	3,298	143.0	1	3	2			
		T2F	2,944	128.0	1	3	2	3,151	137.0	1	3	2	3,298	143.0	1	3	2	3,298	143.0	1	3	2			
		T3R	2,961	129.0	1	3	2	3,169	138.0	1	3	2	3,316	144.0	1	3	2	3,316	144.0	1	3	2			
		T3F	2,909	126.0	1	3	1	3,113	135.0	1	3	1	3,258	142.0	1	3	1	3,258	142.0	1	3	1			
		T4R	2,869	125.0	1	3	2	3,070	133.0	1	3	2	3,213	140.0	1	3	2	3,213	140.0	1	3	2			
		T4F	2,885	125.0	1	3	2	3,087	134.0	1	3	2	3,231	140.0	1	3	2	3,231	140.0	1	3	2			
		T5	2,950	128.0	2	3	2	3,156	137.0	2	3	2	3,303	144.0	2	3	2	3,303	144.0	2	3	2			
P2	29	NR	3,814	132.0	1	3	2	4,082	141.0	1	3	2	4,272	147.0	1	3	2	4,272	147.0	1	3	2	0.979	0.972	0.965
		MR	3,868	133.0	1	3	2	4,139	143.0	1	3	2	4,332	149.0	1	3	2	4,332	149.0	1	3	2			
		WR	3,818	132.0	1	3	2	4,086	141.0	1	3	2	4,276	147.0	1	3	2	4,276	147.0	1	3	2			
		T2R	3,789	131.0	1	3	2	4,054	140.0	1	3	2	4,243	146.0	1	3	2	4,243	146.0	1	3	2			
		T2F	3,788	131.0	1	3	2	4,054	140.0	1	3	2	4,242	146.0	1	3	2	4,242	146.0	1	3	2			
		T3R	3,810	131.0	1	3	2	4,077	141.0	1	3	2	4,267	147.0	1	3	2	4,267	147.0	1	3	2			
		T3F	3,742	129.0	1	3	2	4,005	138.0	1	3	2	4,191	145.0	1	3	2	4,191	145.0	1	3	2			
		T4R	3,691	127.0	1	3	2	3,949	136.0	1	3	2	4,133	143.0	1	3	3	4,133	143.0	1	3	3			
		T4F	3,712	128.0	1	3	3	3,972	137.0	1	3	3	4,157	143.0	1	3	3	4,157	143.0	1	3	3			
		T5	3,795	131.0	2	3	2	4,061	140.0	2	3	2	4,250	147.0	2	3	2	4,250	147.0	2	3	2			
P3	36	NR	4,651	129.0	1	3	2	4,977	138.0	1	3	2	5,209	145.0	1	3	2	5,209	145.0	1	3	2	0.979	0.972	0.965
		MR	4,717	131.0	1	3	2	5,048	140.0	1	3	2	5,283	147.0	2	3	2	5,283	147.0	2	3	2			
		WR	4,656	129.0	1	3	2	4,982	138.0	2	3	2	5,214	145.0	2	3	2	5,214	145.0	2	3	2			
		T2R	4,620	128.0	1	3	2	4,944	137.0	1	3	2	5,174	144.0	1	3	2	5,174	144.0	1	3	2			
		T2F	4,619	128.0	1	3	3	4,943	137.0	1	3	3	5,173	144.0	2	3	3	5,173	144.0	2	3	3			
		T3R	4,645	129.0	1	3	2	4,971	138.0	1	3	3	5,203	145.0	1	3	3	5,203	145.0	1	3	3			
		T3F	4,563	127.0	1	3	2	4,883	136.0	1	3	2	5,111	142.0	1	3	2	5,111	142.0	1	3	2			
		T4R	4,500	125.0	1	3	3	4,816	134.0	1	3	3	5,040	140.0	1	3	3	5,040	140.0	1	3	3			
		T4F	4,526	126.0	1	3	3	4,843	135.0	1	3	3	5,069	141.0	1	3	3	5,069	141.0	1	3	3			
		T5	4,627	129.0	3	3	3	4,952	138.0	3	3	3	5,182	144.0	3	3	3	5,182	144.0	3	3	3			
P4	43	NR	5,481	127.0	1	3	2	5,865	136.0	1	3	2	6,138	143.0	2	3	2	6,138	143.0	2	3	2	0.979	0.972	0.965
		MR	5,558	129.0	2	3	2	5,948	138.0	2	3	3	6,225	145.0	2	3	3	6,225	145.0	2	3	3			
		WR	5,486	128.0	2	3	3	5,871	137.0	2	3	3	6,144	143.0	2	3	3	6,144	143.0	2	3	3			
		T2R	5,444	127.0	1	3	2	5,825	135.0	2	3	3	6,097	142.0	2	3	3	6,097	142.0	2	3	3			
		T2F	5,443	127.0	2	3	3	5,825	135.0	2	3	3	6,096	142.0	2	3	3	6,096	142.0	2	3	3			
		T3R	5,474	127.0	1	3	3	5,858	136.0	2	3	3	6,131	143.0	2	3	3	6,131	143.0	2	3	3			
		T3F	5,377	125.0	2	3	2	5,754	134.0	2	3	2	6,022	140.0	2	3	2	6,022	140.0	2	3	2			
		T4R	5,303	123.0	1	3	3	5,675	132.0	1	3	3	5,939	138.0	1	3	3	5,939	138.0	1	3	3			
		T4F	5,333	124.0	1	3	3	5,707	133.0	1	3	3	5,973	139.0	1	3	3	5,973	139.0	1	3	3			
		T5	5,453	127.0	3	3	3	5,835	136.0	3	3	3	6,107	142.0	3	3	3	6,107	142.0	3	3	3			
P5	52	NR	6,541	126.0	2	3	2	7,000	135.0	2	3	2	7,326	141.0	2	3	3	7,326	141.0	2	3	3	0.942	0.919	0.896
		MR	6,634	128.0	2	3	3	7,099	137.0	2	3	3	7,429	143.0	2	3	3	7,429	143.0	2	3	3			
		WR	6,547	126.0	2	3	3	7,007	135.0	2	3	3	7,333	141.0	2	3	3	7,333	141.0	2	3	3			
		T2R	6,497	125.0	2	3	3	6,952	134.0	2	3	3	7,276	140.0	2	3	3	7,276	140.0	2	3	3			
		T2F	6,496	125.0	2	3	3	6,952	134.0	2	3	3	7,275	140.0	2	3	3	7,275	140.0	2	3	3			
		T3R	6,533	126.0	2	3	3	6,991	134.0	2	3	3	7,317	141.0	2	3	3	7,317	141.0	2	3	3			
		T3F	6,418	123.0	2	3	2	6,868	132.0	2	3	2	7,188	138.0	2	3	2	7,188	138.0	2	3	2			
		T4R	6,329	122.0	1	3	3	6,773	130.0	1	3	3	7,088	136.0	2	3	3	7,088	136.0	2	3	3			
		T4F	6,365	122.0	2	3	3	6,812	131.0	2	3	3	7,129	137.0	2	3	3	7,129	137.0	2	3	3			
		T5	6,508	125.0	3	3	3	6,964	134.0	3	3	3	7,288	140.0	3	3	3	7,288	140.0	3	3	3			

'T' Textured Polycarbonate Panels Performance Data* (70CRI*, 25°C ambient...*for 80CRI option use a 0.91 multiplier)

Normal tolerance +/- 10% due to factors that include distribution type, LED bin variance and ambient temperatures.

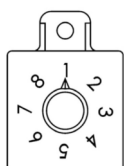
Perf. Code	System Wattage (W)	Optic	27K7 (2700K CCT, 70CRI)					30K7 (3000K CCT, 70CRI)					40K7 (4000K CCT, 70CRI)					50K7 (5000K CCT, 70CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50K Hours	75K Hours	100K Hours
P6	58	NR	7,483	129.0	2	3	3	8,008	138.0	2	3	3	8,381	144.0	2	3	3	8,381	144.0	2	3	3	0.942	0.919	0.896
		MR	7,589	131.0	2	3	3	8,121	140.0	2	3	3	8,499	147.0	2	3	3	8,499	147.0	2	3	3			
		WR	7,490	129.0	2	3	3	8,015	138.0	2	3	3	8,389	145.0	2	3	3	8,389	145.0	2	3	3			
		T2R	7,432	128.0	2	3	3	7,954	137.0	2	3	3	8,324	144.0	2	3	3	8,324	144.0	2	3	3			
		T2F	7,431	128.0	2	3	3	7,953	137.0	2	3	3	8,323	143.0	2	3	3	8,323	143.0	2	3	3			
		T3R	7,474	129.0	2	3	3	7,998	138.0	2	3	3	8,370	144.0	2	3	3	8,370	144.0	2	3	3			
		T3F	7,342	127.0	2	3	2	7,857	135.0	2	3	3	8,222	142.0	2	3	3	8,222	142.0	2	3	3			
		T4R	7,240	125.0	2	3	3	7,748	134.0	2	3	3	8,109	140.0	2	3	3	8,109	140.0	2	3	3			
		T4F	7,282	126.0	2	3	3	7,792	134.0	2	3	3	8,155	141.0	2	3	4	8,155	141.0	2	3	4			
		T5	7,445	128.0	3	3	3	7,966	137.0	3	3	3	8,337	144.0	3	3	3	8,337	144.0	3	3	3			
P7	67	NR	8,521	127.0	2	3	3	9,118	136.0	2	3	3	9,543	142.0	2	3	3	9,543	142.0	2	3	3	0.942	0.919	0.896
		MR	8,641	129.0	2	3	3	9,247	138.0	2	3	3	9,677	144.0	2	3	3	9,677	144.0	2	3	3			
		WR	8,529	127.0	2	3	3	9,127	136.0	2	3	3	9,552	143.0	2	3	3	9,552	143.0	2	3	3			
		T2R	8,463	126.0	2	3	3	9,056	135.0	2	3	3	9,478	141.0	2	3	3	9,478	141.0	2	3	3			
		T2F	8,462	126.0	2	3	3	9,055	135.0	2	3	3	9,477	141.0	2	3	3	9,477	141.0	2	3	3			
		T3R	8,510	127.0	2	3	3	9,107	136.0	2	3	3	9,531	142.0	2	3	3	9,531	142.0	2	3	3			
		T3F	8,360	125.0	2	3	3	8,946	134.0	2	3	3	9,363	140.0	2	3	3	9,363	140.0	2	3	3			
		T4R	8,244	123.0	2	3	3	8,822	132.0	2	3	3	9,233	138.0	2	3	4	9,233	138.0	2	3	4			
		T4F	8,292	124.0	2	3	4	8,873	132.0	2	3	4	9,286	139.0	2	3	4	9,286	139.0	2	3	4			
		T5	8,477	127.0	3	3	3	9,071	135.0	3	3	3	9,494	142.0	3	3	3	9,494	142.0	3	3	3			
P8	75	NR	9,282	124.0	2	3	3	9,932	132.0	2	3	3	10,395	139.0	2	3	3	10,395	139.0	2	3	3	0.942	0.919	0.896
		MR	9,413	126.0	2	3	3	10,073	134.0	2	3	3	10,542	141.0	3	3	3	10,542	141.0	3	3	3			
		WR	9,291	124.0	2	3	3	9,942	133.0	3	3	3	10,405	139.0	3	3	3	10,405	139.0	3	3	3			
		T2R	9,219	123.0	2	3	3	9,865	132.0	2	3	3	10,325	138.0	2	3	3	10,325	138.0	2	3	3			
		T2F	9,218	123.0	2	3	3	9,864	132.0	2	3	3	10,323	138.0	3	3	4	10,323	138.0	3	3	4			
		T3R	9,270	124.0	2	3	3	9,920	132.0	2	3	3	10,382	138.0	2	3	3	10,382	138.0	2	3	3			
		T3F	9,106	121.0	2	3	3	9,745	130.0	2	3	3	10,199	136.0	2	3	3	10,199	136.0	2	3	3			
		T4R	8,981	120.0	2	3	4	9,610	128.0	2	3	4	10,058	134.0	2	3	4	10,058	134.0	2	3	4			
		T4F	9,032	120.0	2	3	4	9,665	129.0	2	3	4	10,115	135.0	2	3	4	10,115	135.0	2	3	4			
		T5	9,234	123.0	3	3	3	9,881	132.0	3	3	3	10,341	138.0	3	3	4	10,341	138.0	3	3	4			
P9	84	NR	10,273	122.0	2	3	3	10,993	131.0	2	3	3	11,505	137.0	2	3	3	11,505	137.0	2	3	3	0.942	0.919	0.896
		MR	10,418	124.0	2	3	3	11,149	133.0	3	3	3	11,668	139.0	3	3	3	11,668	139.0	3	3	3			
		WR	10,283	122.0	3	3	3	11,004	131.0	3	3	3	11,517	137.0	3	3	3	11,517	137.0	3	3	3			
		T2R	10,204	121.0	2	3	3	10,919	130.0	2	3	3	11,428	136.0	3	3	3	11,428	136.0	3	3	3			
		T2F	10,202	121.0	3	3	4	10,918	130.0	3	3	4	11,426	136.0	3	3	4	11,426	136.0	3	3	4			
		T3R	10,260	122.0	2	3	3	10,980	131.0	2	3	4	11,491	137.0	2	3	4	11,491	137.0	2	3	4			
		T3F	10,079	120.0	2	3	3	10,786	128.0	3	3	3	11,288	134.0	3	3	3	11,288	134.0	3	3	3			
		T4R	9,940	118.0	2	3	4	10,637	127.0	2	3	4	11,132	133.0	2	3	4	11,132	133.0	2	3	4			
		T4F	9,997	119.0	2	3	4	10,698	127.0	2	3	4	11,196	133.0	2	3	4	11,196	133.0	2	3	4			
		T5	10,220	122.0	3	3	4	10,937	130.0	3	3	4	11,446	136.0	4	3	4	11,446	136.0	4	3	4			
P10	91	NR	10,999	121.0	2	3	3	11,770	129.0	2	3	3	12,318	135.0	3	3	3	12,318	135.0	3	3	3	0.942	0.919	0.896
		MR	11,154	123.0	3	3	3	11,936	131.0	3	3	3	12,492	137.0	3	3	3	12,492	137.0	3	3	3			
		WR	11,009	121.0	3	3	3	11,781	129.0	3	3	3	12,330	135.0	3	3	4	12,330	135.0	3	3	4			
		T2R	10,924	120.0	2	3	3	11,690	128.0	3	3	3	12,235	134.0	3	3	3	12,235	134.0	3	3	3			
		T2F	10,923	120.0	3	3	4	11,689	128.0	3	3	4	12,233	134.0	3	3	4	12,233	134.0	3	3	4			
		T3R	10,985	121.0	2	3	4	11,755	129.0	3	3	4	12,303	135.0	3	3	4	12,303	135.0	3	3	4			
		T3F	10,791	119.0	3	3	3	11,548	127.0	3	3	3	12,086	133.0	3	3	3	12,086	133.0	3	3	3			
		T4R	10,642	117.0	2	3	4	11,388	125.0	2	3	4	11,919	131.0	2	3	4	11,919	131.0	2	3	4			
		T4F	10,703	118.0	2	3	4	11,453	126.0	2	3	4	11,987	132.0	2	3	5	11,987	132.0	2	3	5			
		T5	10,942	120.0	3	3	4	11,709	129.0	4	3	4	12,255	135.0	4	3	4	12,255	135.0	4	3	4			

Optional Field Adjustable Performance Selector 'PS' ('PS' is only compatible with standard 0-10V drivers, not compatible w/ optional DALI drivers)

The optional Performance Selector is an integral dial that allows for field adjustable lumen/wattage dimming control for added design versatility. Normal tolerance +/- 8%.

PS Position	Lumen Output %*	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Wattage (W)											
8	100%	23	29	36	43	52	58	67	75	84	91
7	90%	20	26	32	38	46	51	59	66	74	81
6	80%	18	23	29	34	41	46	53	60	67	72
5	70%	16	20	25	30	36	40	46	52	58	63
4	60%	14	17	22	26	31	35	40	45	50	55
3	50%	11	14	18	21	26	29	33	37	42	45
2	40%	9	11	14	17	20	23	26	30	33	36
1	30%	7	9	11	13	15	17	20	22	25	27

*For 80CRI option use an additional 0.91 lumen multiplier.



Optional Field Adjustable Performance Selector 'PS' Dial

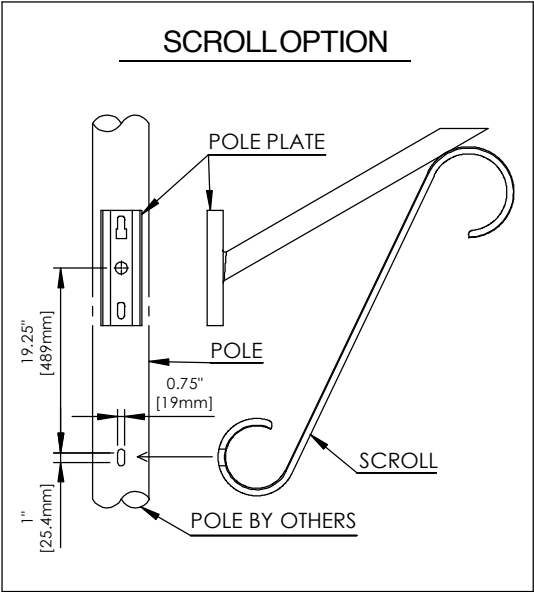
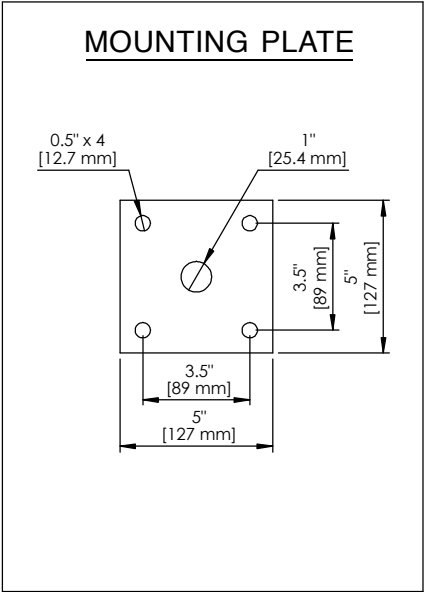
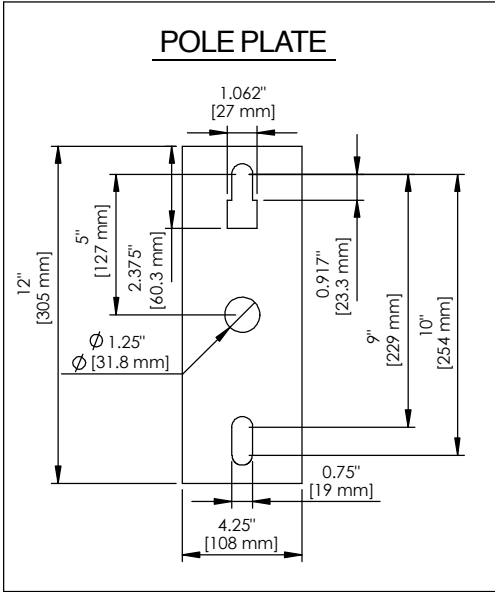
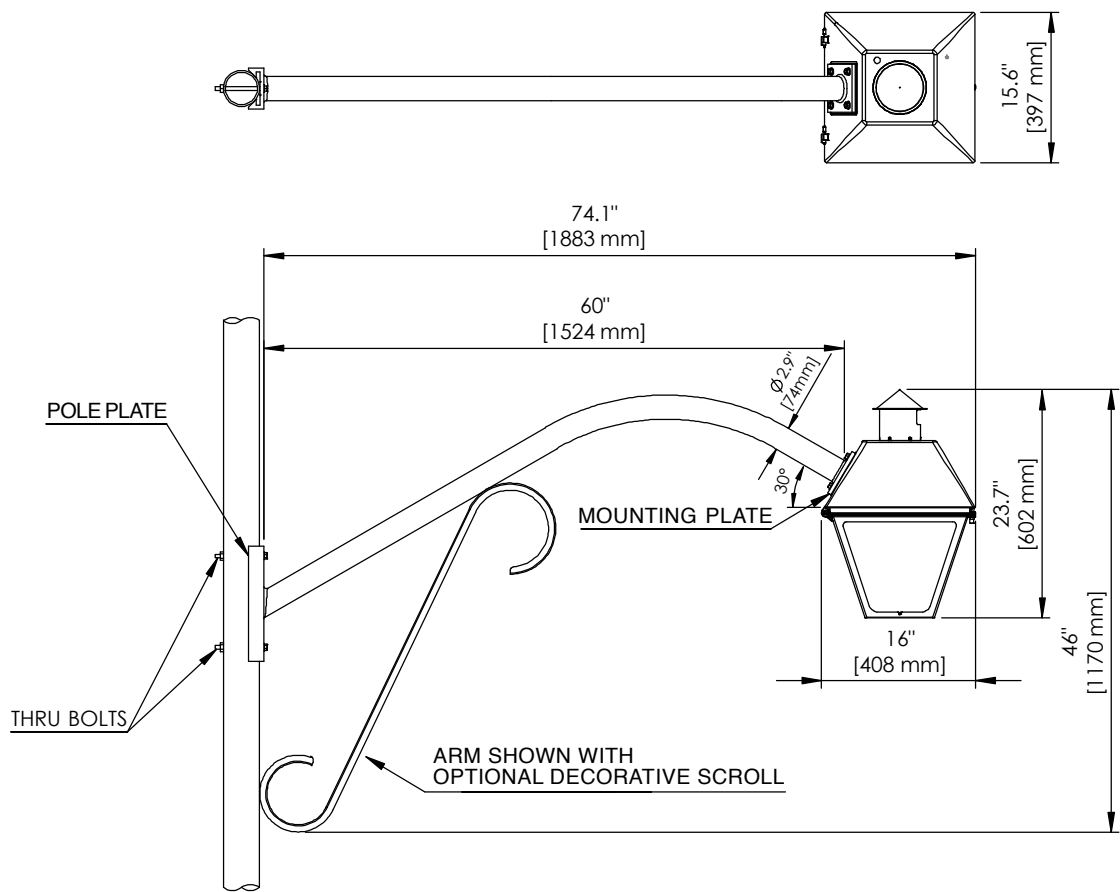
IES TM-21 LED Lumen Maintenance (*values italicized are per LM-80 data that is extrapolated beyond the TM-21 6X standard)

Reported lumen maintenance life projections are based on 6X the duration of the LED's IES LM-80 tested performance data in accordance per IES TM-21 guidelines.

Performance Code P1 to P4	IES TM-21 LED Lumen Maintenance					
	0 Hrs	25,000 Hrs	50,000 Hrs	60,000 Hrs	*75,000 Hrs	*100,000 Hrs
AMC @ 25°C Ambient	100.00%	98.60%	97.89%	97.61%	<i>97.19%</i>	<i>96.49%</i>
AMC @ 50°C Ambient	100.00%	97.15%	95.29%	94.55%	<i>93.47%</i>	<i>91.68%</i>

Performance Code P5 to P10	IES TM-21 LED Lumen Maintenance					
	0 Hrs	25,000 Hrs	50,000 Hrs	60,000 Hrs	*75,000 Hrs	*100,000 Hrs
AMC @ 25°C Ambient	100.00%	96.65%	94.23%	93.27%	<i>91.86%</i>	<i>89.56%</i>
AMC @ 50°C Ambient	100.00%	92.85%	87.28%	85.15%	<i>82.06%</i>	<i>77.14%</i>

Mounting & Key Dimensional Information



Key Additional Miscellaneous Product Features & Design Details

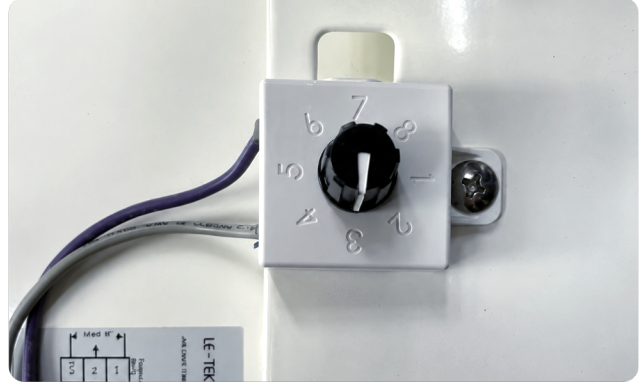
Integral Tool-Free Access Design

Tool-free electrical access w/ fixed open door prop design for ease of installation or maintenance (compatible w/ most lineman safety gloves).



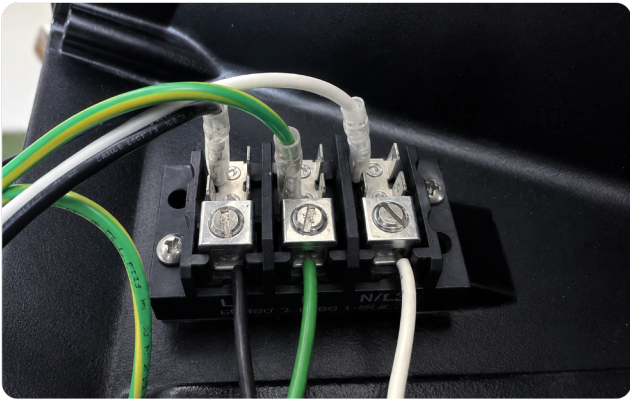
Performance Selector 'PS' Option

Allows for quick & easy field adjustment of wattage, lumen output and reduced SKU complexity (fixed position dial ensures correct output setting).



3-Position Terminal Block 'TB'

For ease of maintenance & increased safety, improved wire management & robust product life cycle operation (includes line, neutral & ground, accommodates 6 to 16AWG wire).



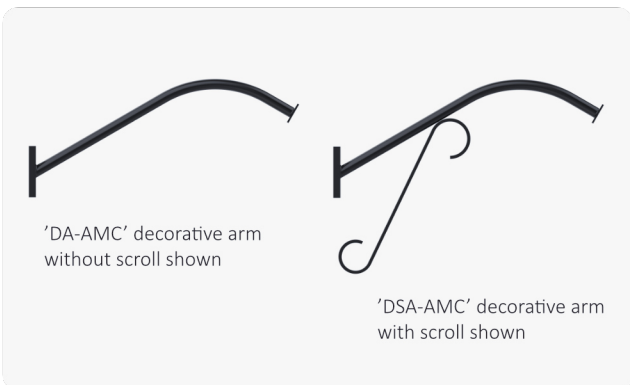
Integral Kickstand Design

'Kickstand' props open the hinged lower cage assembly during installation or maintenance (allows for 'frustration free' ease of access).



Decorative Arm Options Available

Two 5' decorative arm options are available to choose from, with or without 'scroll' detail (or arms 'by others', please confirm installation/retrofit compatibility if arms are provided 'by others').



LEOLink ILS™ Intelligent Lighting System for Tomorrow's Smart & Sustainable Cities

Smart...Scalable...Effortless

LEOLink ILS is the next evolution in street lighting, integrating AI and IoT to transform a city's traditional outdoor lighting infrastructure into a smart, adaptive network. It empowers municipalities and utilities with real-time control, predictive maintenance, and rapid scalability, all with unmatched simplicity.

Integrating LEO TEK's AI-driven centralized management platform (LEOLink RenAI) with intelligent streetlight controllers, LEOLink ILS provides 24x7 visibility into the status and performance of streetlights enabling efficient energy use, real-time fault detection, and predictive maintenance across city-wide lighting networks. Easy "plug-and-play" deployment and scalability support users in achieving operational excellence, public safety, and long-term sustainability. With LEOLink ILS, cities are creating the backbone of a future-ready smart city.

Key Functions

Centralized, Remote Management

Gain complete control of your city's smart lighting infrastructure from a single, intuitive platform.

Instant Response to Anomalies

Automatically identify and respond to abnormal lighting behavior in real-time.

AI-Powered Predictive Maintenance

Detect and address faults before they occur, minimizing downtime and maintenance costs.

Actionable Insights Through Data Visualization

Monitor asset performance and energy trends with clear, interactive dashboards and reports.

Energy Efficiency & Cost Savings

Optimize energy usage with intelligent scheduling and dimming, reducing operational expenses.

LEOLink Controller Key Features & Benefits

The smartest fit for 7-PIN NEMA fixtures. Engineered to deliver seamless performance, trusted security, and plug-and-play simplicity, all in one powerful, next-generation controller.



Self-Monitoring & Fault Detection

Controllers continuously monitor the luminaire's operational status, identifying power outages, failures, and abnormal energy patterns for fast diagnostics and improved maintenance efficiency.



AI-Driven Adaptive Dimming

Participates with LEOLink RenAI to enable intelligent dimming strategies, including human-centric lighting adjustments based on real-time traffic, weather, and pedestrian activity.



Ultra-High Connectivity

Dual-mode cellular communication using the world's most reliable and secure carriers ensures a 99.5% connection success rate, delivering reliable continuous data transmission even in challenging environments.



Predictive Maintenance & Analytics

Advanced failure analysis and predictive diagnostics move cities from reactive to preventative maintenance strategies that reduce downtime and operational costs.



Built-In Surge Protection

Advanced surge protection against lightning and voltage spikes safeguards critical streetlight infrastructure.

LEOLink RenAI Central Management System Key Features & Benefits

An AI-powered cloud-based streetlight Central Management System (CMS), LEOLink RenAI is at the core of the LEOLink Intelligent Lighting System (ILS). Unlike traditional CMS platforms, LEOLink RenAI, leverages a native AI foundation to transform streetlighting into a dynamic, adaptive, and self-optimizing system by analyzing real-time and historical data. Designed to meet the complex demands of modern roadway infrastructure, LEOLink RenAI helps municipalities improve energy efficiency, reduce operational costs, and improve public safety across city-wide lighting networks.



LiSA (LEOTEK intelligent Service Advisor)

LiSA, our AI-powered assistant, is available 24/7 to streamline operations, quickly answering questions, generating charts and tables, and assisting with troubleshooting to lighten your team's workload.



Fault Detection & Notification

Monitor streetlight health and status in real time to detect and receive instant fault alerts.



Energy Consumption Management

Track usage, identify trends, and forecast energy needs for optimal efficiency.



Asset Management

Collect and track roadway infrastructure asset information such as streetlight fixtures, poles and controllers. to drive operational efficiencies across from field maintenance to life cycle management.



Data Analysis & Reporting

Access historical insights, visualize data, and generate reports for informed decision-making.



Remote Control

Remotely switch lights ON/OFF and adjust brightness via an intuitive user interface.



Scheduled Dimming

Automatically adjusts brightness levels based on ambient light and pre-set schedules.