Electrical Qualified Products List (QPL)

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Submit a Product on Electrical Qualified Products List

Before a new product can be added to our qualified product lists (QPL), it must be evaluated. The application procedures and approval processes vary by product.

General Notes:

- WisDOT can add or remove products from the QPL without notification to the vendor.
- Listing of items on the QPL does not relieve any responsibility from vendor/contractor/field staff for proper installation and operation. Vendors/contractors are responsible for all errors and faulty products even if the item is listed on the QPL.
- The Vendor must send new product shop drawings to WisDOT immediately after there are any revisions to the listed product's features/design/cut sheets. WisDOT will review the modifications and update the QPL if acceptable.

Field performance of these products will be continuously monitored. Products that fail to meet expectations will be removed from the QPL.

Qualified Products Evaluation Request Submittals are only accepted from the product manufacturer or an authorized representative that has been designated in writing by the manufacturer.

If you would like to have a product considered for evaluation, please complete the DT2163 Qualified electrical products list submittal request form and submit the completed form by e-mail to DOTelectrical@dot.wi.gov. **The product sheet submitted must conform to ADA accessibility requirements according to Section 508 Web Content Accessibility Guidelines (WCAG) 2.2.**

Questions about the content of Electrical Qualified Products List contact DOTProductSubmittal@dot.wi.gov.

Section 652: Electrical Conduit

Item number	Description	Type	Product name	Date approved
652.0105-0145	Conduit rigid metallic (size)	ANSI C80.1	UL or NRTL	December 2, 2013
652.0205-0240	Conduit rigid nonmetallic Schedule 40 (size)		UL or NRTL	December 2, 2013
652.0305-0340	Conduit rigid nonmetallic Schedule 80 (size)		UL or NRTL	December 2, 2013
652.0405-0145	Conduit reinforced thermosetting resin (size)		UL or NRTL	December 2, 2013
652.0605-0690	Conduit special (size)		UL or NRTL	December 2, 2013
652.0800	Conduit loop detector		UL or NRTL	December 2, 2013

Section 653: Pull boxes and junction boxes

Pull box material specification

Item number	Description	Type	Product name	Manufacturer/vendor	Date approved
653.0105-0145 Specification	Pull boxes steel (inch)	See section 521.2 and 611.2			December 2, 2013
653.0154-0164 Specification	Pull box	Non-conductive	Non Conductive Pull Box	ESS Brothers	February 23, 2016
	42" Hand hold enclosure	Non-conductive	2442HD5	ESS Brothers	September 24, 2015
	36" Hand hold enclosure	Non-conductive	2436HD5	ESS Brothers	September 24, 2015
	18" diameter Pull box	Non-conductive	18-inch	ESS Brothers	March 31, 2022
	Polyethylene molded frame	Non-conductive	FRM-PE	ESS Brothers	September 24, 2015
	25.5" Composite Lid	Non-conductive	GMI2600ACXC12	ESS Brothers	September 24, 2015
	12" Extension (option)	Non-conductive	2412HD5	ESS Brothers	September 24, 2015
653.0180 Specification	Pull boxes steel communications (inch)	See section 521.2 and 611.2			December 2, 2013
653.0208-0222	Junction boxes (size)		Appleton WYR Series	Emerson Industrial Association	December 2, 2013
			O-Z Gedney YR Series	Emerson Industrial Association	December 2, 2013
			Spring City ER Series FF Cut sheet	Spring City Electrical Mfg. Co.	December 2, 2013
			Crouse Hinds WJB Series	Eaton	December 2, 2013
			Neenah	Neenah Enterprises, Inc.	February 23, 2016
	18x6x6-inch		Hope	Hope Electrical	April 8, 2025
	18x12x6-inch		Hope	Hope Electrical	February 2, 2026

Section 655: Electrical wiring

Item number	Description	Product name	Manufacturer/vendor	Date approved
655	Tap connector	IPC	Penn-Union	January 4, 2017
655.0700	Loop detector lead in cable	Belden	Belden Electronics	December 2, 2013
			Power & Telephone Supply Co. (Clifford)	December 2, 2013
		ADC	Advanced Digital Cable Inc.	December 2, 2013
		Falcon Fine Wire	Falcon Fine Wire and Wire Products, Inc.	January 4, 2017
		CCT	Convergent Connectivity Technology	January 30, 2018
655.0800	Loop detector wire	ADC	Advanced Digital Cable Inc.	December 2, 2013
		Service Wire	Service Wire Co.	February 23, 2016
		KrisTech Wire	KrisTech	September 1, 2026
655.0900	Traffic signal EVP detector cable	M913 STROBECOM	TE Connectivity Ltd.	December 2, 2013
		Opticom Model 138	Global Traffic Technologies	December 2, 2013
		32003HSD	Advanced Digital Cable Inc.	May 30, 2017
		970320OPT-00	Falcon Fine Wire	August 13, 2020

Section 657: Poles, arms, standards and bases

Item number	Description	Product name	Manufacturer/vendor	Date approved
657.0100	Pedestal bases	TP358	Traffic & Parking Control Co., Inc.	May 30, 2017
			Alloy Castings Co., Inc.	December 2, 2013
			Component Products Inc.	July 28, 2021
			Akron Foundry Co	July 11, 2018
		PB 18205	Flag Pole / P&K Tubular Products, Inc.	May 31, 2022
		SP-4188	Pelco Inc	January 22, 2026
657.0205-0255	Transformer bases breakaway bolt circle (all sizes)		Traffic & Parking Control Co., Inc.	December 2, 2013
	all sizes	TB1-17, TB2-17, TB3-17	Akron Foundry Co.	December 2, 2013
657.0205	Transformer Base 13-15 inch bolt circle	08R1315B17W, 10R1315B17W	Valmont Industries, Inc.	May 15, 2015
		TB1	Hapco	May 30, 2017
657.0210	Transformer Base 15-17 inch bolt circle	10R1517B17W	Valmont Industries, Inc.	May 15, 2015
		TB3	Hapco	May 30, 2017
		TB3	Flagpole	May 30, 2017
657.0255	Transformer Base 11 1/2 inch bolt circle	08R1012B17W	Valmont Industries, Inc.	May 15, 2015
		TB2	Hapco	May 30, 2017
		TB2	Flagpole	May 30, 2017
	Pole Breakaway Coupling Specification	PFI 200-1A	Precision Form	February 3, 2025

Section 657.0300 Poles

Item number	Description	Type	Product name	Manufacturer/vendor	Date approved
657.0305	Poles Type 2	Aluminum	Flagpole/P&K	P&K Pole Products, Inc.	December 2, 2013
		Aluminum	Valmont	Valmont Industries, Inc.	December 2, 2013
		Aluminum	Hapco	Hapco	December 2, 2013
		Steel	Valmont	Valmont Industries, Inc.	December 2, 2013
		Steel	Millerbernd	Millerbernd Manufacturing Co.	December 2, 2013
		Steel	Hapco	Hapco	December 2, 2013
		Steel	Ameron	Ameron	August 12, 2019
657.0310	Poles Type 3	Steel	Valmont	Valmont Industries, Inc.	December 2, 2013
		Steel	Hapco	Hapco	December 2, 2013
		Steel	Ameron	Ameron	August 12, 2019
		Steel	Millerbernd	Millerbernd Manufacturing Co.	August 20, 2020
657.0315	Poles Type 4	Steel	Valmont	Valmont Industries, Inc.	December 2, 2013
		Steel	Millerbernd	Millerbernd Manufacturing Co.	August 20, 2020
		Steel	Hapco	Hapco	December 2, 2013
		Steel	Ameron	Ameron	August 25, 2017
657.0321	Poles Type 5	Steel	Valmont	Valmont Industries, Inc.	December 2, 2013
		Steel	Millerbernd	Millerbernd Manufacturing Co.	August 20, 2020
		Steel	Hapco	Hapco	December 2, 2013
		Steel	Ameron	Ameron	August 25, 2017
657.0322	Poles Type 5	Aluminum	300045806T4E	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/P&K	P&K Pole Products, Inc.	December 2, 2013
657.0326	Poles Type 6	Steel	Valmont	Valmont Industries, Inc.	December 2, 2013
		Steel	Millerbernd	Millerbernd Manufacturing Co.	December 2, 2013
		Steel	Hapco	Hapco	December 2, 2013
		Steel	Ameron	Ameron	August 25, 2017
657.0327	Poles Type 6	Aluminum	350045807T4A	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/P&K	P&K Pole Products, Inc.	December 2, 2013
657.0330	Poles Type 7	Aluminum	B80414	Hapco	December 2, 2013
		Aluminum	351060107T4A	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Flagpole/P&K	P&K Pole Products, Inc.	December 2, 2013
657.0336	Poles Type 17	Steel	Valmont	Valmont Industries, Inc.	December 2, 2013
		Steel	Millerbernd	Millerbernd Manufacturing Co.	December 2, 2013
		Steel	Hapco	Hapco	Dec. 2, 2013

		Steel	Ameron	Ameron	August 25, 2017
657.0337	Poles Type 17	Aluminum	400060105T4G	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/P&K	P&K Pole Products, Inc.	December 2, 2013
657.0345-657.0361	Monotube Poles Type 9, 10, 12, 13	Steel	Valmont	Valmont Industries, Inc.	July 23, 2024
		Steel	Millerbernd (2025)	Millerbernd Manufacturing Co.	April 3, 2025
		Steel	Ameron	Ameron	December 18, 2017
657.0375	Poles Type A	Aluminum	470660108T4A	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/P&K	P&K Pole Products, Inc.	December 2, 2013
657.0380	Poles Type E	Aluminum	490060100T4B	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0381	Poles Type F	Steel	Valmont	Valmon Industries, Inc.	March 12, 2025
657.0400-0499	Traffic signal standards Aluminum (length)		411A	Traffic & Parking Control Co., Inc.	December 2, 2013
			One-piece polycarbonate traffic signal bracket	Component Products, Inc.	July 28, 2021
		Aluminum	Flagpole Signal Standard	Flagpoles Inc.	February 3, 2025
657.0500-657.0559	Monotube arms	Steel	Millerbernd (2025)	Millerbernd Manufacturing Co.	April 3, 2025
657.0585-0595	Trombone arms (length)		Flagpole/ P&K 12TA, 15TA, 20TA, 25TA-6.58cFlagpole/ P&K 12TA, 15TA, 20TA, 25TA-6.58c	P&K Pole Products, Inc.	December 2, 2013
657.0605	Luminaire arm single member, 4-1/2 inch clamp, 4 ft	Aluminum	1MA0424C45Z	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0609	Luminaire arm single member, 4-inch clamp, 6 ft	Aluminum	Valmont	Valmont Industries, Inc.	December 2, 2013
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0610	Luminaire arm, single member, 4-1/2 inch, 6 ft	Aluminum	1MA0630C45Z	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013

657.0614	Luminaire Arm, single member 4-inch clamp, 8 ft	Aluminum	Valmont	Valmont Industries, Inc.	December 2, 2013
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0615	Luminaire arm, single member, 4-1/2 inch, 8 ft	Aluminum	1MA0830C45Z	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0620	Luminaire arm, single member, 6 inch clamp, 4 ft	Aluminum	1MA0424C60Z	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0625	Luminaire arm, single member, 6 inch clamp, 6 ft	Aluminum	1MA0630C60Z	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0630	Luminaire arm, single member, 6 inch clamp, 8 ft	Aluminum	1MA0830C60Z	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0635	Luminaire arm, single member, 6 inch clamp, 10 ft	Aluminum	1MB1036C60Z, 2MB1036C60Z	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0640	Luminaire arm single member 6-inch clamp, 15 ft	Aluminum	Valmont	Valmont Industries, Inc.	December 2, 2013
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0704	Luminaire arm truss type 4-inch, 10 ft	Aluminum	Valmont	Valmont Industries, Inc.	December 2, 2013
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0705	Luminaire arm, truss, type 4-1/2 inch clamp, 10 ft	Aluminum	1TA1030C45ZA, 2TA1030C45ZA	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0709	Luminaire arm truss type 4-inch clamp 12 ft	Aluminum	Valmont	Valmont Industries, Inc.	December 2, 2013

		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0710	Luminaire arm, truss, type 4-1/2 inch clamp, 12 ft	Aluminum	1TA1230C45ZA, 2TA1230C45ZA	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0714	Luminaire arm truss type 4-inch clamp 15 ft	Aluminum	Valmont	Valmont Industries, Inc.	December 2, 2013
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0715	Luminaire arm, truss, type 4-1/2 inch clamp, 15 ft	Aluminum	1TA1530C45ZA, 2TA1530C45ZA	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0720	Luminaire arm, truss, type 6 inch clamp, 20 Ft	Aluminum	1TE2060C60ZA	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0725	Luminaire arm, truss, type 6 inch clamp, 15 ft/td>	Aluminum	1TA1230C60ZA, 2TA1230C60ZA	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0730	Luminaire arm, truss, type 6 inch clamp, 10 ft	Aluminum	1TA1230C60ZA, 2TA1230C60ZA	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
657.0735	Luminaire arm, truss, type 6 inch clamp, 10 ft	Aluminum	1TA1030C60ZA, 2TA1030C60ZA	Valmont Industries, Inc.	May 15, 2015
		Aluminum	Hapco	Hapco	December 2, 2013
		Aluminum	Flagpole/ P&K	P&K Pole Products, Inc.	December 2, 2013
	Rodent screen for poles specification				

Section 658: Traffic signals

Item number	Description	Product name	Manufacturer/vendor	Date approved
658.0170-0175	Traffic Signal Face (Section) (size)	McCain	McCain, Inc.	December 2, 2013
		Eagle SIG (LFE Automatic)	Mobotrex	January 22, 2026
		Peek	Peek Traffic Corp.	December 2, 2013
		Chapel Hill	Traffic Parts Inc.	December 2, 2013
658.0412-0416	Pedestrian Signal Face (inch)	McCain	McCain, Inc.	December 2, 2013
		Eagle SIG (LFE Automatic)	Mobotrex	February 6, 2025
		Peek	Peek Traffic Corp.	December 2, 2013
		Chapel Hill	Traffic Parts Inc.	December 2, 2013
658.0500	Pedestrian Push Buttons	Bulldog III for TS1 Cabinets without LED BDSP-011-Y	Polara Enterprises, LLC	April 22, 2021
		4EVR MOAB	Campbell Co.	December 2, 2013
658.5070	Signal Mounting Hardware (location)	McCain	McCain, Inc.	December 2, 2013
		General Traffic Equipment	General Traffic Equipment Corp.	December 2, 2013
		Peek	Peek Traffic Corp.	December 2, 2013
		Crouse Hinds	Eaton	December 2, 2013
		Astro-Brac Galaxy Astro-Brac 1-Way Assembly	Pelco	May 6, 2019 January 4, 2017
		Traffic Parts Inc.	Traffic Parts Inc.	December 2, 2013
		Mast-O-Bracket Series 40	Signal Equipment Company (SECO) - South	December 2, 2013
		Sky Bracket	Olson Aluminum Castings	December 2, 2013
		Eagle	TAPCO/GHL Industries	January 22, 2026
		Poly SOP Bracket CPI-SOPB-1	Component Products	March 26, 2026

Section 658.0600-0660: LED Modules

Item number	Description	Product name	Manufacturer/vendor	Date approved
658.0600	LED Modules 12-inch Red Ball	DR6-RTFB-VLA	GE Lighting Solutions, LLC	August 24, 2020
		TSL-12R-LX-IL6-A1-P3	Leotek Electronics USA Corp.	August 18, 2021
		433-1210-003XLWI	Frontier Leotek	September 8, 2025
658.0605	LED Modules 12-inch Yellow Ball	DR6-YTFB-VLA	GE Lighting Solutions, LLC	April 15, 2025
		TSL-12Y-LX-IL6-A1-P3	Leotek Electronics USA Corp.	August 18, 2021
		433-3230-901XLWI	Frontier Leotek	September 8, 2025
658.0610	LED Modules 12-inch Green Ball	DR6-GTFB-VLA	GE Lighting Solutions, LLC	August 24, 2020
		TSL-12G-LX-IL6-A1-P3	Leotek Electronics USA Corp.	August 18, 2021
		433-2220-001XLWI	Frontier Leotek	September 8, 2025
658.0615	LED Modules 12-inch Red Arrow	DR6-RTAAN-VLA	GE Lighting Solutions, LLC	August 24, 2020
		TSL-12RA-IL6-A1-P3 TSL-12RA-DT-A1	Leotek Electronics USA Corp.	August 18, 2021
		432-1314-001XODWI	Frontier Leotek	September 8, 2025
658.0620	LED Modules 12-inch Yellow Arrow	DR6-YTAAN-VLA	GE Lighting Solutions, LLC	August 24, 2020
		TSL-12YA-IL6-A1-P3 TSL-12YA-DT-A1	Leotek Electronics USA Corp.	August 18, 2021
		431-3334-901XODWI	Frontier Leotek	September 8, 2025
658.0625	LED Modules 12-inch Green Arrow	DR6-GTAAN-VLA	GE Lighting Solutions, LLC	August 24, 2020
		TSL-12GA-IL6-A1-P3 TSL-12GA-DT-A1	Leotek Electronics USA Corp.	August 18, 2021
		432-2324-001XODWI	Frontier Leotek	September 8, 2025
658.0635	LED Modules Pedestrian Countdown Timer 16-inch	PS7-CFF1-VLA	GE Lighting Solutions, LLC	July 28, 2021
		TSL-PED-16-SPC-V1 (CIL Series) TSL-PED-16-SPC-V1 (Superior Performance)	Leotek Electronics USA Corp.	August 18, 2021
		430-6479-001XWI	Frontier Leotek	January 22, 2026
658.0660	LED Modules Countdown Timer 12-inch	PS6-CFL1-26A (symbol); PS6-PFD1-26A (Countdown)	GE Lighting Solutions, LLC	August 24, 2020
		430-7773-001XWI	Frontier Leotek	September 8, 2025

Section 659: Lighting

IES and AGI files below require specific lighting design software for access
LED Luminaire Specification

Item number	Description	Product name	Manufacturer/vendor	Date approved
659.1115 LED Luminaire Specification	Luminaires Utility LED A	RPN-55W20LED-740-G1R3MUNIV-DMG-PH9-TLRD7-GY3 (0.85 LLF) | IES file	Philips	February 22, 2022
		TRVMD-A-HT-3ME-8L-40K7-UL-GY-N-W10-01 (0.72 LLF) | IES file	Cree	May 24, 2019
		KC1-36A-MV-40K7-T3R-GY-P13-WL-SC (0.90 LLF) | Design file	Leotek	November 6, 2025
		ATBMic P156 MVOLT R3 (0.837 LLF) | IES file	American Electric-Acuity Brands Lighting, Inc.	October 26, 2021
		ARCH2-50-740-U-T3-AP-10MS-K-PSC-WISDOT (0.90 LLF) | IES file	Cooper Lighting	June 6, 2024
		RWL2-S-60-40-U-P7S-3-WisDOT (0.88 LLF)| IES file	TGS	October 26, 2021
		SMX-68WiE-NV-LL5-00-4070-T302-P-CUL (0.9057 LLF) | IES file	Solar Max	August 25, 2022
		RDWL109LUNVFD740GRT3TS2UW (0.90 LLF) | IES file	Orion	August 4, 2026
659.1120 LED Luminaire Specification	Luminaires Utility LED B	RPN-85W20LED-740-G1-R3MUNV-DMG-PH9-TLRD7-GY3 (0.85 LLF) | IES file	Philips	February 22, 2022
		TRVLG-A-HT-3ME-13L-40K7-UL-GY-N-W10-01 (0.72 LLF) | IES file	Cree	May 24, 2019
		KC1-36A-MV-40K7-T3R-GY-P18-WL-SD (0.90 LLF) | Design file	Leotek	November 6, 2025
		ATB0 P204 MVOLT R3 (0.837 LLF) | IES file	American Electric-Acuity Brands Lighting, Inc.	October 26, 2021
		ARCH2-90-740-U-T3-AP-10MS-K-PSC-WISDOT (0.88 LLF) | IES file	Cooper Lighting	June 6, 2024
		RWL2-M-100-40-U-P7S-3-WisDOT (0.88 LLF) | IES file	TGS	October 26, 2021
		SMX-81WiE-NV-LL5-00-4070-T302-P-CUL (0.9057 LLF) | IES file	Solar Max	August 25, 2022
		RDWL115LUNVFD740GRT3TS2UW (0.90 LLF) | IES file	Orion	August 4, 2026
659.1125 LED Luminaire Specification	Luminaires Utility LED C	RPM-120W40LED-740-G1-R3M-UNVDMG-PH9-TLRD8-GY3 (0.85 LLF) | IES file	Philips	February 22, 2022
		TRVLG-A-HT-3ME-16L-40K7-UL-GY-N-W10-01 (0.72 LLF) | IES file	Cree	May 24, 2019
		KC2-72A-MV-40K7-T3R-GY-P18-WL-SC (0.90 LLF) | Design file	Leotek	November 6, 2025
		ATB0 P304 MVOLT R3 (0.837 LLF) | IES file	American Electric-Acuity Brands Lighting, Inc.	October 26, 2021

		ARCH3-110-740-U-T3-AP-10MSP-K-AP-WISDOT (0.90 LLF) | IES file	Cooper Lighting	December 3, 2024
		RWL2-M-135-40-U-P7S-3-WisDOT (0.88 LLF) | IES file	TGS	October 26, 2021
		SMX-105WiE-NV-LL5-00-4070-T302-P-CUL (0.9057 LLF) | IES file	Solar Max	August 25, 2022
		RDWL121LUNVFD740GRT3TS2UW (0.90 LLF) | IES file	Orion	August 4, 2026
659.1130 LED Luminaire Specification	Luminaires Utility LED D	RPM-155W60LED-740-G1-R3M-UNVDMG-PH9-TLRD7-GY3 (0.85 LLF) | IES file	Philips	February 22, 2022
		TRVXL-A-HT-3ME-22L-40K7-UL-GY-N-W10-01 (0.72 LLF) | IES file	Cree	May 24, 2019
		KC2-72A-MV-40K7-T3R-GY-P18-WL-SC (0.90 LLF) | Design file	Leotek	November 6, 2025
		ATB0 P453 MVOLT R3 (0.837 LLF) | IES file	American Electric-Acuity Brands Lighting, Inc.	October 26, 2021
		ARCH3-150-740-U-T3-AP-10MSP-K-AP-WISDOT (0.90 LLF) | IES file	Cooper Lighting	December 3, 2024
		RWL2-M-165-40-U-P7S-3-WisDOT (0.88 LLF) | IES file	TGS	October 26, 2021
		SMX-139WiE-NV-LL5-00-4070-T302-P-CUL (0.9057 LLF) | IES file	Solar Max	August 25, 2022
		RDWL124LUNVFD740GRT3TS2UW (0.90 LLF) | IES file	Orion	August 4, 2026
659.1205 LED Luminaire Specification	Luminaires Underdeck LED A	WCNG P2 40K T3M MVOLT ZT 10KV GYSDP SCRW NPR	Holophane -Acuity Brands Lighting, Inc.	December 19, 2023
		WPS-45W-40K-U-D (0.87 LLF) | IES file	Truly Green Solutions	June 5, 2019
		WP2LED49L-740U | IES file	RAB Lighting	December 7, 2020
659.1210 LED Luminaire Specification	Luminaires Underdeck LED B	WCNG P3 40K T3M MVOLT ZT 10KV GYSDP SCRW NPR	Holophane -Acuity Brands Lighting, Inc.	December 19, 2023
		WPS-70W-40K-U-D (0.87 LLF) | IES file	Truly Green Solutions	June 5, 2019
		WP3LED75L-740U | IES file	RAB Lighting	December 7, 2020
659.1215 LED Luminaire Specification	Luminaires Underdeck LED C	WCNG P4 40K T3M MVOLT ZT 10KV GYSDP SCRW NPR	Holophane -Acuity Brands Lighting, Inc.	December 19, 2023
		WPS-90W-40K-U-D (0.87 LLF) | IES file	Truly Green Solutions	June 5, 2019
		WP3LED93L-740U | IES file	RAB Lighting	December 8, 2020
659.0400	Luminaire High Mast Lighting	High Mast Lowering Device LED High Mast Lighting	Holophane -Acuity Brands Lighting, Inc.	May 30, 2017 July 13, 2020

		LED High Mast Lighting CST-CA8-480-740-U-T3-AP-20K-K-PSC-PR7-WISDOT | IES file	Cooper Lighting	August 15, 2023
		LED High Mast Lighting | IES file	Truly Green Solutions	June 3, 2019
659.0700	Lighting Units Walkway	245L 20LEDE10 MVOLT 4K R3 RNA NR SS | IES file	American Electric-Acuity Brands Lighting, Inc.	February 22, 2016
		MPW-A7-D-U-ASYM-AP-UXXXXX | IES file	Cooper Lighting	July 13, 2020
		LP4024.539-US-SYM-LE-700-740-ONOFF-UNI-C1-HM1-2 | IES file	Heper Lighting	October 16, 2020
659.2124	Lighting Control Cabinets 120/240V 24-in	POVWDL24-120/240	Povolny Specialties	July 1, 2015
		WISDOT L24 120/240V	States Manufacturing	July 1, 2015
		EXLWI12024	Excel Ltd., Inc.	September 24, 2015
659.2130	Lighting Control Cabinets 120/240V 30-in	POVWDL30-120/240	Povolny Specialties	July 1, 2015
		WISDOT L30 120/240V	States Manufacturing	July 1, 2015
		EXLWI12030	Excel Ltd., Inc.	September 24, 2015
659.2230	Lighting Control Cabinets 240/480 30-in	POVWDL30-240/480	Povolny Specialties	July 1, 2015
		WISDOT L30 240/480V	States Manufacturing	July 1, 2015
		EXLWI48030	Excel Ltd., Inc.	September 29, 2026

Section 661: Temporary traffic signals

Item number	Description	Product name	Manufacturer/vendor	Date approved
661.0101	Portable Temporary Traffic Signal	TLD-3612G3	Ver-Mac	July 13, 2020
		SQ3	Horizon Signal Technologies	August 20, 2020
		ADDCO PTS-2000	John Thomas Inc.	December 2, 2013
		Pop-Up Heavy/ Light Duty	OMJC Signal, Inc.	December 2, 2013
		SX7500	Tower Sign & Signal, Inc.	December 2, 2013
		PTS-1000q	Street Smart Rental	November 3, 2025
		PTL 2.4X	North America Traffic Inc.	May 31, 2019

Section 670: General requirements for Intelligent Transportation Systems

Item number	Description	Product name	Manufacturer/vendor	Date approved
670.0100	Field system integrator		Traffic and Parking Control Co., Inc.	December 2, 2013
		Fiber optics, traffic control devices and communications	NEI Electric	December 2, 2013

Section 673: Communication vault

Item number	Description	Product name	Manufacturer/vendor	Date approved
673.0110 Specification	Communication Vault Type Round	Comm Vault	ESS Brothers	May 30, 2017
673.0200	Tracer Wire Marker Posts	PM-303	ProMark Supply	May 30, 2017

Miscellaneous Items

Item number	Description	Product name	Manufacturer/vendor	Date approved
671.0300	Fiber optic cable marker	Fiber optic cable marker	TAPCO	May 30, 2017
	PVC to metallic terminal adaptors	UL or NRTL listed		December 2, 2013
	Cast iron T condulets with domed wedge nut type covers	Crouse Hinds	Eaton	December 2, 2013
		O-Z Gedney	Emerson Industrial Automation	December 2, 2013
		Thomas & Betts	Thomas & Betts Corporation	December 2, 2013
	Bushings	O-Z Gedney	Emerson Industrial Automation	December 2, 2013
		Thomas & Betts	Thomas & Betts Corporation	December 2, 2013
		Appleton	Emerson Industrial Automation	December 2, 2013
	Steel threaded protective caps	Allied Tube	Atkore International	December 2, 2013
		Wheatland	Wheatland Tube Company	December 2, 2013
	PVC protective caps or plugs	UL or NRTL listed		December 2, 2013
	Zinc rich galvanizing paint	ZRC Galvilite	ZRC Worldwide	December 2, 2013
		Stops Rust Cold Galvanizing Compound	Rust-Oleum Corporation	December 2, 2013
	Expansion fittings:			
	PVC non-metallic conduits	UL or NRTL listed		December 2, 2013
	Rigid metallic conduit	UL or NRTL listed		December 2, 2013
	Pressure or compression type connectors:			
	Ground rod clamp	Ground rod clamp	Thomas & Betts	October 27, 2016
655	Wire nuts	UL or NRTL listed		December 2, 2013
655	Butt splices	UL or NRTL listed		December 2, 2013
655	Solderless lugs	UL or NRTL listed		December 2, 2013
655	Split bolts	UL or NRTL listed		December 2, 2013
655	Tap connector	B-TAP Insulation-Piercing Tap Connectors	Ideal Industries, Inc.	February 23, 2016
		K0448	Ilsco Corporation	February 23, 2016
657	Anti-seize	Mariners Choice Anti-Seize	Bostic	June 8, 2018
		LOCTITE Marine Grade Anti-Seize	Henkel	June 8, 2018
657.0300	Rodent Screen (Pole) Specification	Pole Rodent Screen-Non-Metallic	Halek Solutions	December 13, 2022
		Rodent barrier	Rodent Barriers, LLC	February 25, 2025
659	Insulated terminal blocks	Unitap 1PL series	Burndy, LLC	December 2, 2013
		Polaris IPL	NSI Industries, LLC	December 2, 2013
		Ilsco PBTS	Ilsco Corporation	December 2, 2013
		IPB-S (Aluminum Clear)	Penn-Union	January 4, 2017

		IPBB-S (Aluminum Black)		
	Electrical coating (varnish)	Scotchkote	3M	December 2, 2013
	Secondary in-line fuse holder assembly with insulated rubber boot	HEB (Breakaway/single pole) HEX (Breakaway double pole)	Eaton	December 2, 2013
	(for 13/32" x 1-1/2" midget fuses) with breakaway features	LEB-AA-S (Breakaway/single pole) LEX-AA-S (Breakaway double pole)	Littelfuse	December 2, 2013
		FEB-BA (Breakaway/single pole) FEX-BA (Breakaway double pole)	Mersen	December 2, 2013
655	Loop detector splice kits	82A1	3M	December 2, 2013
		TE Gel wrap	TE Connectivity Ltd.	December 2, 2013
		Easy-Splice Wrap-Around 4/0 8"	NSI Industries	June 6, 2024
	Fuse holder	FEX, 600V, fuse holder	Ferraz Shawmut	June 6, 2024
655	Electrical tape - high voltage (rubber)	3M	3M	December 2, 2013
		Plymouth	Plymouth Rubber Europa, North America	December 2, 2013
655	Electrical tape (vinyl)	3M-33+	3M	December 2, 2013
		Plymouth	Plymouth Rubber Europa, North America	December 2, 2013
	Aluminum pole created with approved corrosive protection	On Guard DA6340	Drummond American (Lawson Products)	December 2, 2013
	Insulating putty		3M	December 2, 2013
			Plymouth Rubber Europa, North America	December 2, 2013
	Lowering devices high mast lighting		Holophane-Acuity Brands Lighting, Inc.	December 2, 2013
			American High Mast	December 2, 2013
		Millerbernd	Millerbernd Manufacturing Company	December 2, 2013
			GE Lighting Solutions, LLC	December 2, 2013
	Photo cells	Area Lighting Research Inc.	Tyco Electronics Corporation	December 2, 2013
			Paragon Precision	December 2, 2013
		Tork	NSI Industries	December 2, 2013
		4021	Intermatic, Inc.	December 2, 2013
		Fisher Pierce	FP Outdoor Lighting Controls	December 2, 2013
		Ripley	Ripley Lighting Controls	December 2, 2013
		Dark to Light	Dark to Light - Acuity Brands Lighting, Inc.	December 2, 2013