



Approved LED Luminaires for Roadway Lighting

Cobra-Head Type, 3000K Color Temperature

Publication Date: **2023-04-10**

Specification Reference:

Standard Specification 9-29.10(1)B
Light Emitting Diode (LED) Conventional Roadway Luminaires

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Only the current version posted at
<https://www.wsdot.wa.gov/engineering-standards/construction-materials/electrical-materials>
is in effect.

Publication Date: **2023-04-10**

Table 1.1: 200W Class, 120V/240V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code	Approval Date
200W	Cooper	Streetworks	Archeon Medium (ARCH-M)	73	ARCH-M-PA2-70-730-U-T3-AP-10K-U101941	2020-09-15
200W	SolarMAX		SMX-LL5	82	SMX-81WIE-NV-LL5-NR-3070-T302-AP-10-CUL(WS)	2021-08-16
200W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	83	ATB2-P4XX-MVOLT-R4-3K-MP-NL-NR-RFD336856 -or- ATB2-P4XX-MVOLT-R4-3K-MP-NL-NR-BAA-RFD337579*	2023-04-10
200W	Cooper	Streetworks	Navion (NVN)	85	NVN-SA2B-730-U-T3-AP-10K-U125867	2022-01-25
200W	Cree		XSP Large (XSPLG)	85	XSPLG-D-HT-3ME-18L-30K7-UL-J-X3	2020-09-15
200W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	97	ATB2-P601-MVOLT-R4-3K-MP-NL-NR-AO4-RFD336858 -or- ATB2-P601-MVOLT-R4-3K-MP-NL-NR-AO4-BAA-RFD337581*	2023-04-10
200W	Leotek		Green Cobra Large (GCL)	105	GCL1-80J-MV-30K-3F-GY-155-LPCR-4B-DSC-WL20E	2020-09-15
200W	Signify	Lumec	RoadFocus Medium (RFM)	108	RFM-108W32LED3K-G2-R3M-UNIV-2C-NRC-GY3	2019-12-20
200W	GE		Evolve (ERLH)	111	ERLH-0-13-C3-30-1-GRAY-A-B-I-L-055	2020-09-15

* Contact HwyLighting@wsdot.wa.gov for special color order codes.

Table 1.2: 250W Class, 120V/240V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code	Approval Date
250W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	105	ATB2-P4XX-MVOLT-R3-3K-MP-NL-NR-RFD337545 -or- ATB2-P4XX-MVOLT-R3-3K-MP-NL-NR-BAA-RFD337587*	2023-04-10
250W	Cree		Traveyo Large (TRVLG)	110	TRVLG-A-HT-3ME-16L-30K7-UL-GY-4BLT-W10	2020-09-15
250W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	119	ATB2-P601-MVOLT-R3-3K-MP-NL-NR-AO5-RFD336864 -or- ATB2-P601-MVOLT-R3-3K-MP-NL-NR-AO5-BAA-RFD337585*	2023-04-10
250W	SolarMAX		SMX-LL5	120	SMX-120WiE-NV-LL5-NR-3070-T302-AP-10-CUL(WS)	2021-08-16
250W	Cooper	Streetworks	Archeon Medium (ARCH-M)	122	ARCH-M-PA2-120-730-U-T3-AP-10K-U103211	2020-09-15
250W	Leotek		Green Cobra Large (GCL)	123	GCL1-80J-MV-30K-3F-GY-185-LPCR-4B-DSC-WL25E	2020-09-15
250W	Cooper	Streetworks	Navion (NVN)	124	NVN-SA3B-730-U-T3-AP-10K-U125868	2022-01-25
250W	Acuity	American Electric Lighting (AEL)	Autobahn ATBM	135	ATBM-P40-MVOLT-R3-4B-3K-MP-NL-NR-RFD336860 -or- ATBM-P40-MVOLT-R3-4B-3K-MP-NL-NR-BAA-RFD337583*	2023-04-10
250W	Signify	Lumec	RoadFocus Large (RFL)	136	RFL-135W80LED3K-G2-R3M-UNIV-NRC-GY3	2020-02-18
250W	GE		Evolve (ERL2)	140	ERL2-0-18-C3-30-1-GRAY-A-B-I-L-041	2020-09-15

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Table 1.3: 310W Class, 120V/240V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code	Approval Date
310W	SolarMAX		SMX-LL5	135	SMX-134WiE-NV-LL5-NR-3070-T302-AP-10-CUL(WS)	2021-08-16
310W	Cooper	Streetworks	Archeon Large (ARCH-L)	162	ARCH-L-PA3-160-730-U-T3-AP-10K-U103213	2020-09-15
310W	Cree		XSP Large (XSPLG)	164	XSPLG-D-HT-3ME-24L-30K7-UL-J-X7	2020-09-15
310W	Signify	Lumec	RoadFocus Large (RFL)	165	RFL-165W100LED3K-G2-R3M-UNIV-NRC-GY3	2020-02-18
310W	Cooper	Streetworks	Navion (NVN)	166	NVN-SA3C-730-U-T3-AP-10K-U125869	2022-01-25
310W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	170	ATB2-P4XX-MVOLT-R3-3K-MP-NL-NR-RFD336868 -or- ATB2-P4XX-MVOLT-R3-3K-MP-NL-NR-BAA-RFD337589	2023-04-10
310W	Leotek		Green Cobra Large (GCL)	173	GCL2-80J-MV-30K-3F-GY-240-LPCR-4B-DSC-WL31E	2020-09-15
310W	GE		Evolve (ERL2)	177	ERL2-0-21-C3-30-1-GRAY-A-B-I-L-041	2020-09-15

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Table 1.4: 400W Class, 120V/240V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code	Approval Date
400W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	187	ATB2-P4XX-MVOLT-R3-3K-MP-NL-NR-RFD337541 -or- ATB2-P4XX-MVOLT-R3-3K-MP-NL-NR-BAA-RFD337593*	2023-04-10
400W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	196	ATB2-P602-MVOLT-R3-3K-MP-NL-NR-RFD336872 -or- ATB2-P602-MVOLT-R3-3K-MP-NL-NR-BAA-RFD337591*	2023-04-10
400W	SolarMAX		SMX-LL5	190	SMX-190WiE-NV-LL5-NR-3070-T302-AP-10-CUL(WS)	2021-08-16
400W	Cree		Traveyo Extra Large (TRVXL)	219	TRVXL-A-HT-3ME-30L-30K7-UL-GY-4BLT-W10	2020-09-15
400W	Cooper	Streetworks	Archeon Large (ARCH-L)	222	ARCH-L-PA3-220-730-U-T3-AP-10K-U103215	2020-09-15
400W	Signify	Lumec	RoadFocus Large (RFL)	224	RFL-225W100LED3K-G2-R3M-UNIV-NRC-GY3	2020-02-18
400W	Cooper	Streetworks	Navion (NVN)	225	NVN-SA4C-730-U-T3-AP-10K-U125870	2022-01-25
400W	Leotek		Green Cobra 2 (GC2)	242	GC2-96G-MV-WW-3R-GY-800-LPCR-DSC-WL40E	2020-09-15
400W	GE		Evolve (ERL2)	251	ERL2-0-28-C3-30-1-GRAY-A-B-I-L-041	2020-09-15

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Table 2.1: 200W Class, 480V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code	Approval Date
200W	Cooper	Streetworks	Archeon Medium (ARCH-M)	73	ARCH-M-PA2-70-730-8-T3-AP-10K-U101940	2020-09-15
200W	SolarMAX		SMX-LL5	82	SMX-81WiE-HV-LL5-NR-3070-T302-AP-10-CUL(WS)	2021-08-16
200W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	83	ATB2-P4XX-480-R4-3K-MP-NL-NR-RFD336857 -or- ATB2-P4XX-480-R4-3K-MP-NL-NR-BAA-RFD337580*	2023-04-10
200W	Cooper	Streetworks	Navion (NVN)	85	NVN-SA2B-730-8-T3-AP-10K-U125871	2022-01-25
200W	Cree		XSP Large (XSPLG)	85	XSPLG-D-HT-3ME-18L-30K7-UL-J-X3	2020-09-15
200W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	97	ATB2-P601-480-R4-3K-MP-NL-NR-AO4-RFD336859 -or- ATB2-P601-480-R4-3K-MP-NL-NR-AO4-BAA-RFD337582*	2023-04-10
200W	Leotek		Green Cobra Large (GCL)	105	GCL1-80J-HV-30K-3F-GY-155-LPCR-4B-DSC-WL20E	2020-09-15
200W	Signify	Lumec	RoadFocus Medium (RFM)	108	RFM-108W32LED3K-G2-R3M-HVU-2C-NRC-GY3	2019-12-20
200W	GE		Evolve (ERLH)	111	ERLH-0-13-C3-30-1-GRAY-A-B-I-L-055	2020-09-15

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Table 2.2: 250W Class, 480V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code	Approval Date
250W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	105	ATB2-P4XX-480-R3-3K-MP-NL-NR-RFD337546 -or- ATB2-P4XX-480-R3-3K-MP-NL-NR-BAA-RFD337588*	2023-04-10
250W	Cree		Traveyo Large (TRVLG)	110	TRVLG-A-HT-3ME-16L-30K7-UH-GY-4BLT-W10	2020-09-15
250W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	119	ATB2-P601-480-R3-3K-MP-NL-NR-AO5-RFD336865 -or- ATB2-P601-480-R3-3K-MP-NL-NR-AO5-BAA-RFD337586*	2023-04-10
250W	SolarMAX		SMX-LL5	120	SMX-120WiE-HV-LL5-NR-3070-T302-AP-10-CUL(WS)	2020-08-16
250W	Cooper	Streetworks	Archeon Medium (ARCH-M)	122	ARCH-M-PA2-120-730-8-T3-AP-10K-U103212	2020-09-15
250W	Leotek		Green Cobra Large (GCL)	123	GCL1-80J-HV-30K-3F-GY-185-LPCR-4B-DSC-WL25E	2020-09-15
250W	Cooper	Streetworks	Navion (NVN)	124	NVN-SA3B-730-8-T3-AP-10K-U125872	2022-01-25
250W	Acuity	American Electric Lighting (AEL)	Autobahn ATBM	135	ATBM-P40-480-R3-4B-3K-MP-NL-NR-RFD336861 -or- ATBM-P40-480-R3-4B-3K-MP-NL-NR-BAA-RFD337584*	2023-04-10
250W	Signify	Lumec	RoadFocus Large (RFL)	136	RFL-135W80LED3K-G2-R3M-HVU-NRC-GY3	2020-02-18
250W	GE		Evolve (ERL2)	140	ERL2-H-18-C3-30-1-GRAY-A-B-I-L-041	2020-09-15

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Table 2.3: 310W Class, 480V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code	Approval Date
310W	SolarMAX		SMX-LL5	135	SMX-134WiE-HV-LL5-NR-3070-T302-AP-10-CUL(WS)	2021-08-16
310W	Cooper	Streetworks	Archeon Large (ARCH-L)	162	ARCH-L-PA3-160-730-8-T3-AP-10K-U103214	2020-09-15
310W	Cree		XSP Large (XSPLG)	164	XSPLG-D-HT-3ME-24L-30K7-UH-J-X7	2020-09-15
310W	Signify	Lumec	RoadFocus Large (RFL)	165	RFL-165W100LED3K-G2-R3M-HVU-NRC-GY3	2020-02-18
310W	Cooper	Streetworks	Navion (NVN)	166	NVN-SA3C-730-8-T3-AP-10K-U125873	2022-01-25
310W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	170	ATB2-P4XX-480-R3-3K-MP-NL-NR-RFD336869 -or- ATB2-P4XX-480-R3-3K-MP-NL-NR-BAA-RFD337590*	2023-04-10
310W	Leotek		Green Cobra Large (GCL)	173	GCL2-80J-HV-30K-3F-GY-240-LPCR-4B-DSC-WL31E	2020-09-15
310W	GE		Evolve (ERL2)	177	ERL2-H-21-C3-30-1-GRAY-A-B-I-L-041	2020-09-15

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Table 2.4: 400W Class, 480V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code	Approval Date
400W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	187	ATB2-P4XX-480-R3-3K-MP-NL-NR-RFD337542 -or- ATB2-P4XX-480-R3-3K-MP-NL-NR-BAA-RFD337594*	2023-04-10
400W	Acuity	American Electric Lighting (AEL)	Autobahn ATB2	196	ATB2-P602-480-R3-3K-MP-NL-NR-RFD336873 -or- ATB2-P602-480-R3-3K-MP-NL-NR-BAA-RFD337592*	2023-04-10
400W	SolarMAX		SMX-LL5	190	SMX-190WiE-HV-LL5-NR-3070-T302-AP-10-CUL(WS)	2021-08-16
400W	Cree		Traveyo Extra Large (TRVXL)	219	TRVXL-A-HT-3ME-30L-30K7-UH-GY-4BLT-W10	2020-09-15
400W	Cooper	Streetworks	Archeon Large (ARCH-L)	222	ARCH-L-PA3-220-730-8-T3-AP-10K-U103216	2020-09-15
400W	Signify	Lumec	RoadFocus Large (RFL)	224	RFL-225W100LED3K-G2-R3M-HVU-NRC-GY3	2020-02-18
400W	Cooper	Streetworks	Navion (NVN)	225	NVN-SA4C-730-8-T3-AP-10K-U125874	2022-01-25
400W	Leotek		Green Cobra 2 (GC2)	242	GC2-96G-HV-WW-3R-GY-800-LPCR-DSC-WL40E	2020-09-15
400W	GE		Evolve (ERL2)	251	ERL2-H-28-C3-30-1-GRAY-A-B-I-L-041	2020-09-15

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