



Approved LED Luminaires for Roadway Lighting

Cobra-Head Type, 3000K Color Temperature

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
<http://www.wsdot.wa.gov/Design/Traffic/ledluminaires.htm>
is in effect.

Approval Date: 2021-01-25

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

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code
200W	Cooper	Streetworks	Archeon Medium (ARCH-M)	73	ARCH-M-PA2-70-730-U-T3-AP-10K-U101941
200W	Cooper	Streetworks	Navion (NVN)	85	NVN-AF-02-E-U-T3-10K-7030-AP-U99549
200W	Cree		XSP Large (XSPLG)	85	XSPLG-D-HT-3ME-18L-30K7-UL-J-X3
200W	Acuity Brands	American Electric Lighting (AEL)	Autobahn (ATB2)	88	ATB2-40BLEDE70-MVOLT-R3-3K-MP-HK-NL-NR-RFD311676
200W	Leotek		Green Cobra Large (GCL)	105	GCL1-80J-MV-30K-3F-GY-155-LPCR-4B-DSC-WL20E
200W	Signify	Lumec	RoadFocus Medium (RFM)	108	RFM-108W32LED3K-G2-R3M-UNIV-2C-NRC-GY3
200W	GE		Evolve (ERLH)	111	ERLH-0-13-C3-30-1-GRAY-A-B-I-L-055

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

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code
250W	Cree		Traveyo Large (TRVLG)	110	TRVLG-A-HT-3ME-16L-30K7-UL-GY-4BLT-W10
250W	Cooper	Streetworks	Navion (NVN)	113	NVN-AF-03-E-U-T3R-10K-7030-800-AP-U99550
250W	GE		Evolve (ERL2)	120	ERL2-0-18-C3-30-1-GRAY-A-B-I-L-041
250W	Cooper	Streetworks	Archeon Medium (ARCH-M)	122	ARCH-M-PA2-120-730-U-T3-AP-10K-U103211
250W	Leotek		Green Cobra Large (GCL)	123	GCL1-80J-MV-30K-3F-GY-185-LPCR-4B-DSC-WL25E
250W	Acuity Brands	American Electric Lighting (AEL)	Autobahn (ATB2)	130	ATB2-60BLEDE70-MVOLT-R3-3K-MP-HK-NL-NR-RFD311677
250W	Signify	Lumec	RoadFocus Large (RFL)	136	RFL-135W80LED3K-G2-R3M-UNIV-NRC-GY3

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

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code
310W	Signify	Lumec	RoadFocus Large (RFL)	156	RFL-165W100LED3K-G2-R3M-UNIV-NRC-GY3
310W	Cooper	Streetworks	Archeon Large (ARCH-L)	162	ARCH-L-PA3-160-730-U-T3-AP-10K-U103213
310W	Cree		XSP Large (XSPLG)	164	XSPLG-D-HT-3ME-24L-30K7-UL-J-X7
310W	Acuity Brands	American Electric Lighting (AEL)	Autobahn (ATB2)	165	ATB2-60BLEDE85-MVOLT-R3-3K-MP-HK-NL-NR-RFD311678
310W	Cooper	Streetworks	Navion (NVN)	166	NVN-AF-03-E-U-T3-10K-7030-AP-U99551
310W	Leotek		Green Cobra Large (GCL)	171	GCL2-80J-MV-30K-3F-GY-240-LPCR-4B-DSC-WL31E
310W	GE		Evolve (ERL2)	177	ERL2-0-21-C3-30-1-GRAY-A-B-I-L-041

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

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code
400W	Cree		Traveyo Extra Large (TRVXL)	219	TRVXL-A-HT-3ME-30L-30K7-UL-GY-4BLT-W10
400W	Cooper	Streetworks	Archeon Large (ARCH-L)	222	ARCH-L-PA3-220-730-U-T3-AP-10K-U103215
400W	Leotek		Green Cobra 2 (GC2)	242	GC2-96G-MV-WW-3R-GY-800-LPCR-DSC-WL40E
400W	Signify	Lumec	RoadFocus Large (RFL)	243	RFL-225W100LED3K-G2-R3M-UNIV-NRC-GY3
400W	Cooper	Streetworks	Navion (NVN)	249	NVN-AF-04-E-U-T3R-10K-7030-AP-U99552
400W	GE		Evolve (ERL2)	251	ERL2-0-28-C3-30-1-GRAY-A-B-I-L-041
400W	Acuity Brands	American Electric Lighting (AEL)	Autobahn (ATB2)	268	ATB2-80BLEDE10-MVOLT-R3-3K-MP-HK-NL-NR-RFD311679

Table 2.1: 200W Class, 480V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code
200W	Cooper	Streetworks	Archeon Medium (ARCH-M)	73	ARCH-M-PA2-70-730-8-T3-AP-10K-U101940
200W	Cooper	Streetworks	Navion (NVN)	85	NVN-AF-02-E-8-T3-10K-7030-AP-U99583
200W	Cree		XSP Large (XSPLG)	85	XSPLG-D-HT-3ME-18L-30K7-UL-J-X3
200W	Acuity Brands	American Electric Lighting (AEL)	Autobahn (ATB2)	88	ATB2-40BLEDE70-MVOLT-R3-3K-HK-NL-NR-RFD311319
200W	Leotek		Green Cobra Large (GCL)	105	GCL1-80J-HV-30K-3F-GY-155-LPCR-4B-DSC-WL20E
200W	Signify	Lumec	RoadFocus Medium (RFM)	108	RFM-108W32LED3K-G2-R3M-UNIV-2C-NRC-GY3
200W	GE		Evolve (ERLH)	111	ERLH-0-13-C3-30-1-GRAY-A-B-I-L-055

Table 2.2: 250W Class, 480V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code
250W	Cree		Traveyo Large (TRVLG)	110	TRVLG-A-HT-3ME-16L-30K7-UH-GY-4BLT-W10
250W	Cooper	Streetworks	Navion (NVN)	113	NVN-AF-03-E-8-T3R-10K-7030-800-AP-U99584
250W	GE		Evolve (ERL2)	120	ERL2-H-18-C3-30-1-GRAY-A-B-I-L-041
250W	Cooper	Streetworks	Archeon Medium (ARCH-M)	122	ARCH-M-PA2-120-730-8-T3-AP-10K-U103212
250W	Leotek		Green Cobra Large (GCL)	123	GCL1-80J-HV-30K-3F-GY-185-LPCR-4B-DSC-WL25E
250W	Acuity Brands	American Electric Lighting (AEL)	Autobahn (ATB2)	130	ATB2-60BLEDE70-480-R3-3K-HK-NL-NR-RFD311320
250W	Signify	Lumec	RoadFocus Large (RFL)	136	RFL-135W80LED3K-G2-R3M-HVU-NRC-GY3

Table 2.3: 310W Class, 480V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code
310W	Signify	Lumec	RoadFocus Large (RFL)	156	RFL-165W100LED3K-G2-R3M-HVU-NRC-GY3
310W	Cooper	Streetworks	Archeon Large (ARCH-L)	162	ARCH-L-PA3-160-730-8-T3-AP-10K-U103214
310W	Cree		XSP Large (XSPLG)	164	XSPLG-D-HT-3ME-24L-30K7-UH-J-X7
310W	Acuity Brands	American Electric Lighting (AEL)	Autobahn (ATB2)	165	ATB2-60BLEDE85-480-R3-3K-HK-NL-NR-RFD311321
310W	Cooper	Streetworks	Navion (NVN)	166	NVN-AF-03-E-8-T3-10K-7030-AP-U99585
310W	Leotek		Green Cobra Large (GCL)	171	GCL2-80J-HV-30K-3F-GY-240-LPCR-4B-DSC-WL31E
310W	GE		Evolve (ERL2)	177	ERL2-H-21-C3-30-1-GRAY-A-B-I-L-041

Table 2.4: 400W Class, 480V Systems

Wattage Class	Manufacturer	Brand	Model	Power Use (Watts)	Order Code
400W	Acuity Brands	American Electric Lighting (AEL)	Autobahn (ATB2)	165	ATB2-80BLEDE10-480-R3-3K-HK-NL-NR-RFD311322
400W	Cooper	Streetworks	Archeon Large (ARCH-L)	162	ARCH-L-PA3-220-730-8-T3-AP-10K-U103216
400W	Cooper	Streetworks	Navion (NVN)	166	NVN-AF-04-E-8-T3R-10K-7030-AP-U99586
400W	Cree		Traveyo Extra Large (TRVXL)	164	TRVXL-A-HT-3ME-30L-30K7-UH-GY-4BLT-W10
400W	GE		Evolve (ERL2)	177	ERL2-H-28-C3-30-1-GRAY-A-B-I-L-041
400W	Leotek		Green Cobra 2 (GC2)	171	GC2-96G-HV-WW-3R-GY-800-LPCR-DSC-WL40E
400W	Signify	Lumec	RoadFocus Large (RFL)	156	RFL-225W100LED3K-G2-R3M-HVU-NRC-GY3