

PROJECT NAME: _____ QUANTITY: _____ TYPE: _____

ORDERING CODE: _____



- ① Cast aluminum LED heat sink.
- ② Optical system assembly with tempered glass lens.
- ③ Set of two cast aluminum supporting struts.
- ④ Removable cast aluminum cover for easy access to electrical components and driver.
- ⑤ Cast aluminum LED driver housing. Fits with 4" (102mm) or 5" (127mm) pole.



MA20-PT4



MATERIALS

Maya is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%. The MA20 features a high efficiency LED light engine, mounted on a thick base integral to the housing shell, designed with a heat sink pattern to optimize heat dissipation and luminaire efficacy. The power supply is enclosed in a thermally isolated chamber allowing a quick access for electrical maintenance without disturbing the optical light chamber, and providing long lifetime.

ELECTRICAL DRIVER

Driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C to +55°C / -40°F to +131°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery. Optional 347/480V available on selected models.

LED LIGHT ENGINE

Type II, III, IV or V light distribution via high performance optical lenses. Offered in 2700K, 3000K, 3500K, 4000K with 80 CRI. 70% LED lumen maintenance at 60,000 hours (L70/B50) based on IESNA LM-80-08 LED extrapolated life, calculated per IESNA TM-21-21. Optional true amber LED for turtle sensitive areas. Wavelengths: 585nm to 597nm.

FINISH

Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION

UL Certified to Canadian and U.S. safety standards. Certified for use in wet locations. Rated IP65. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Actual performance may differ as a result of end-user environment and application.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: <https://www.acuitybrands.com/support/warranty/terms-and-conditions>

MOUNTING

Maya is designed for ease of access and installation. Designed for pole mount to fit with a 4" (102mm) or 5" (127mm) pole. Alternate poles attachments are available to meet multiple installation conditions.

MEASUREMENTS

Maximum weight: 35 lbs (16 kg)
MA20 EPA: 0.93
MA20-SD30 EPA: 1.10




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260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5


MA20
Rev. 11/14/24

ORDERING CODE

*SERIES	*LIGHT OUTPUT	*DISTRIBUTION	*CCT ²	*VOLTAGE
 <p>MA20</p>	<p><u>Static White</u></p> <p>L1L40 4208 lm / 36w</p> <p>L1L80 7574 lm / 75w</p> <p>L1L120 12458 lm / 125w</p> <p>L1L160 15766 lm / 175w</p> <p><u>True Amber</u></p> <p>L1LK2A 2259 lm / 41w¹</p> <p>Delivered lumens calculated at 4000K/80CRI except for amber. Type V distribution. Typical power consumption. Refer to LCF table for outputs at other CCTs.</p>	<p>LD2 Type II</p> <p>LD3 Type III</p> <p>LD4 Type IV</p> <p>LD5 Type V</p>	<p>27K 2700K</p> <p>30K 3000K</p> <p>35K 3500K</p> <p>40K 4000K</p> <p>AMB Wavelengths: 585nm to 597nm</p>	<p>120 120V</p> <p>277 277V</p> <p>347 347V</p> <p>480 480V</p> <p>HVOLT 347V-480V</p> <p>MVOLT 120V-277V</p>

SHADE	*MOUNTING	PHOTOCELL	SURGE PROTECTOR
<p>SD30 30" shade</p>	<p>PM45 Pole mount w/45° support</p> <p>PM Pole mount</p> <p>PMS Pole mount - short³</p> <p>PR8 Pedestal mount adaptor⁴</p> <p>PT4 Post top mounting on Ø4" pole</p> <p>PT5 Post top mounting on Ø5" pole</p> <p>TN3 3" pole adaptor⁵</p>	<p>PH Photocell</p> <p>PH7 7-PIN receptacle with photocell sensor on head</p> <p>PHSC 7-PIN receptacle with default shorting cap on head</p>	<p>SP Surge protector 10KV</p>

SHIELDING ACCESSORIES	*FINISH	ENVIRONMENT
<p>HS House side shield⁶</p>	<p>BKT Jet black</p> <p>BZT Bronze</p> <p>CHT Champagne</p> <p>DGT Gun metal</p> <p>GRT Titanium gray</p> <p>MST Matte silver</p> <p>SGT Steel gray</p> <p>WHT Snow white</p> <p>CMC Custom matched color⁷</p> <p>RAL RAL color⁸</p>	<p>MG Marine grade paint⁹</p>

 **Looking for Fuse or nLight Air?**
Refer to Luminis pole spec sheets.

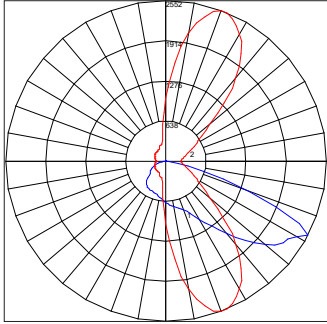
NOTES

- *- Denotes a required field
- 1- Available only with AMB.
- 2- For IDA certification compliance, luminaire must be ordered with 3000K or warmer.
- 3- Not available with SD30.
- 4- OAH is 33.25"
- 5- Not available with L1L120 and L1L160. Not available with L1L80 at 347, 480 or HVOLT. 3" pole by others.
- 6- Not available with LD5. Can be installed in the field. Lumen conversion factor (LCF) 0.8.
- 7- Contact factory to coordinate custom matching color.
- 8- Specify RAL number.
- 9- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.

TYPICAL PHOTOMETRY SUMMARY

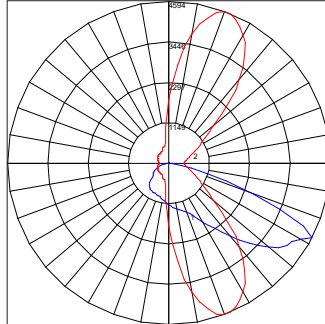
TYPE II

MA20-L1L40-LD2



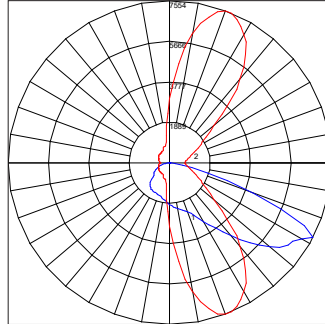
Total Lms: 3950 Lumens
Total Input Watts: 36 W
Efficacy: 110 Lumens/Watt
BUG: B1-U0-G1
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 2552.2
 (67.5H, 62.5V)

MA20-L1L80-LD2



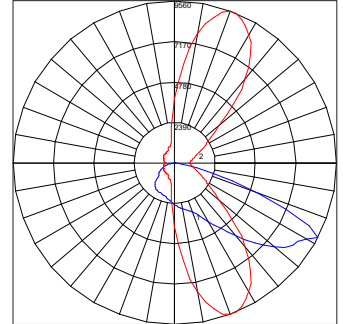
Total Lms: 7110 Lumens
Total Input Watts: 75 W
Efficacy: 95 Lumens/Watt
BUG: B1-U0-G1
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 4594.1
 (67.5H, 62.5V)

MA20-L1L120-LD2



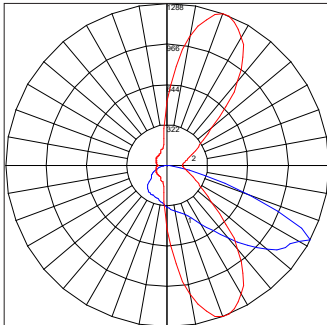
Total Lms: 11691 Lumens
Total Input Watts: 125 W
Efficacy: 94 Lumens/Watt
BUG: B2-U0-G2
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 7554.1
 (67.5H, 62.5V)

MA20-L1L160-LD2



Total Lms: 14795 Lumens
Total Input Watts: 175 W
Efficacy: 85 Lumens/Watt
BUG: B2-U0-G2
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 9559.6
 (67.5H, 62.5V)

MA20-L1LK2A-LD2



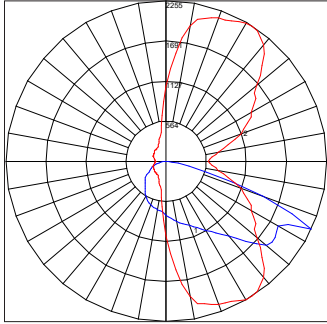
Total Lms: 1994 Lumens
Total Input Watts: 41 W
Efficacy: 49 Lumens/Watt
BUG: B0-U0-G0
Cutoff Class: Full Cutoff
CCT/CRI: Amber
Maximum Candela: 1288.4
 (67.5H, 62.5V)

All Photometry shown use the 80CRI 4000K LEDs.
 Please visit our web site www.luminis.com for complete I.E.S. file.

TYPICAL PHOTOMETRY SUMMARY

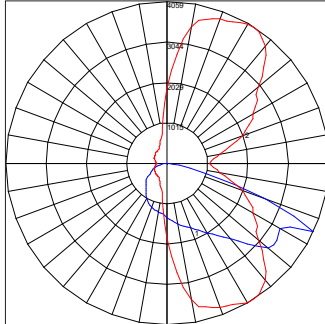
TYPE III

MA20-L1L40-LD3



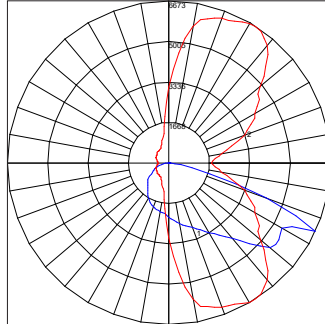
Total Lms: 4141 Lumens
Total Input Watts: 36 W
Efficacy: 115 Lumens/Watt
BUG: B1-U0-G1
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 2254.6
 (57.5H, 65V)

MA20-L1L80-LD3



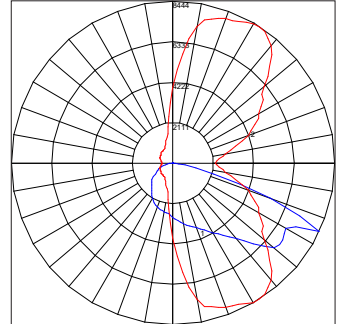
Total Lms: 7456 Lumens
Total Input Watts: 75 W
Efficacy: 99 Lumens/Watt
BUG: B1-U0-G1
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 4058.9
 (57.5H, 65V)

MA20-L1L120-LD3



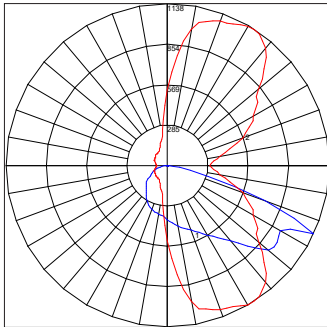
Total Lms: 12257 Lumens
Total Input Watts: 125 W
Efficacy: 98 Lumens/Watt
BUG: B2-U0-G2
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 6672.7
 (57.5H, 65V)

MA20-L1L160-LD3



Total Lms: 15511 Lumens
Total Input Watts: 175 W
Efficacy: 89 Lumens/Watt
BUG: B2-U0-G2
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 8444.2
 (57.5H, 65V)

MA20-L1LK2A-LD3



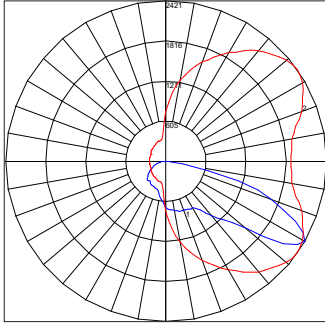
Total Lms: 2091 Lumens
Total Input Watts: 41 W
Efficacy: 51 Lumens/Watt
BUG: B1-U0-G1
Cutoff Class: Full Cutoff
CCT/CRI: Amber
Maximum Candela: 1138.2
 (57.5H, 65V)

All Photometry shown use the 80CRI 4000K LEDs.
 Please visit our web site www.luminis.com for complete I.E.S. file.

TYPICAL PHOTOMETRY SUMMARY

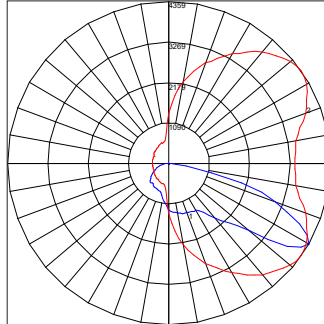
TYPE IV

MA20-L1L40-LD4



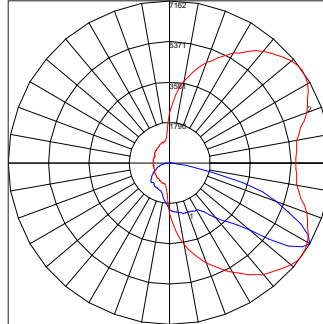
Total Lms: 4076 Lumens
Total Input Watts: 36 W
Efficacy: 113 Lumens/Watt
BUG: B1-U0-G1
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 2421.1 (35H, 60V)

MA20-L1L80-LD4



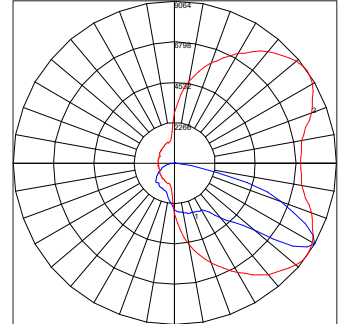
Total Lms: 7337 Lumens
Total Input Watts: 75 W
Efficacy: 98 Lumens/Watt
BUG: B1-U0-G2
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 4358.8 (35H, 60V)

MA20-L1L120-LD4



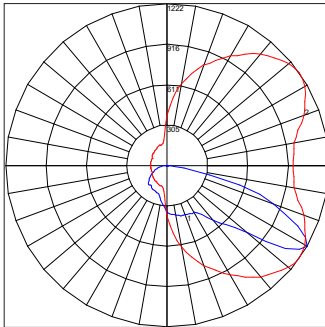
Total Lms: 12056 Lumens
Total Input Watts: 125 W
Efficacy: 96 Lumens/Watt
BUG: B2-U0-G2
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 7161.8 (35H, 60V)

MA20-L1L160-LD4



Total Lms: 15257 Lumens
Total Input Watts: 175 W
Efficacy: 87 Lumens/Watt
BUG: B2-U0-G3
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 9063.6 (35H, 60V)

MA20-L1LK2A-LD4



Total Lms: 2057 Lumens
Total Input Watts: 41 W
Efficacy: 50 Lumens/Watt
BUG: B1-U0-G1
Cutoff Class: Full Cutoff
CCT/CRI: Amber
Maximum Candela: 1221.7 (35H, 60V)

All Photometry shown use the 80CRI 4000K LEDs.
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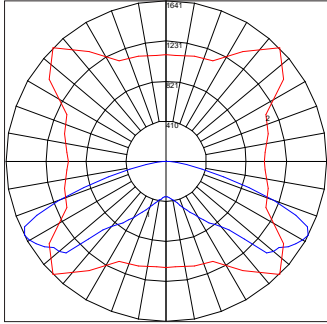
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TYPICAL PHOTOMETRY SUMMARY

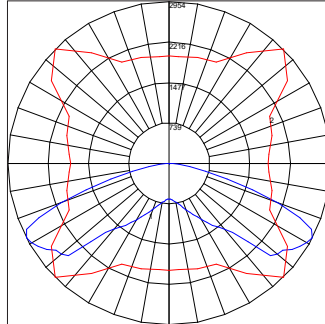
TYPE V

MA20-L1L40-LD5



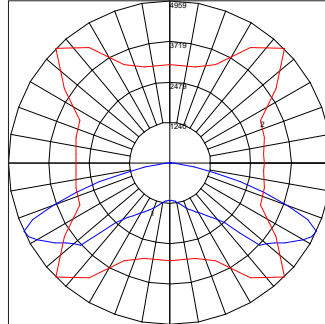
Total Lms: 4208 Lumens
Total Input Watts: 36 W
Efficacy: 117 Lumens/Watt
BUG: B2-U0-G1
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 1641 (135H, 62.5V)

MA20-L1L80-LD5



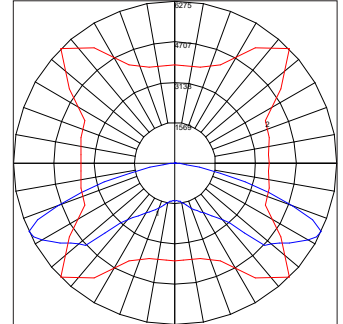
Total Lms: 7575 Lumens
Total Input Watts: 75 W
Efficacy: 101 Lumens/Watt
BUG: B3-U0-G1
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 2954.4 (135H, 62.5V)

MA20-L1L120-LD5



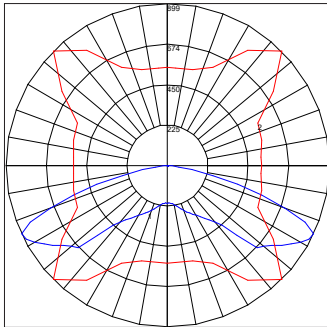
Total Lms: 12458 Lumens
Total Input Watts: 125 W
Efficacy: 100 Lumens/Watt
BUG: B3-U0-G2
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 4958.7 (135H, 65V)

MA20-L1L160-LD5



Total Lms: 15766 Lumens
Total Input Watts: 175 W
Efficacy: 90 Lumens/Watt
BUG: B4-U0-G2
Cutoff Class: Full Cutoff
CCT/CRI: 4000K/80
Maximum Candela: 6275.4 (135H, 65V)

MA20-L1LK2A-LD5



Total Lms: 2259 Lumens
Total Input Watts: 41 W
Efficacy: 55 Lumens/Watt
BUG: B1-U0-G1
Cutoff Class: Full Cutoff
CCT/CRI: Amber
Maximum Candela: 899.3 (135H, 65V)


All Photometry shown use the 80CRI 4000K LEDs.
 Please visit our web site www.luminis.com for complete I.E.S. file.

REFERENCE TABLE - LIGHT OUTPUT


SERIES	LIGHT OUTPUT - STATIC WHITE	LIGHT OUTPUT - TRUE AMBER
MA20	<u>Type II</u>	<u>Type II</u>
	L1L40 3950 lm / 36w	L1LK2A 1994 lm / 41w
	L1L80 7110 lm / 75w	
	L1L120 11691 lm / 125w	<u>Type III</u>
	L1L160 14795 lm / 175w	L1LK2A 2091 lm / 41w
	<u>Type III</u>	<u>Type IV</u>
	L1L40 4141 lm / 36w	L1LK2A 2057 lm / 41w
	L1L80 7456 lm / 75w	
	L1L120 12257 lm / 125w	
	L1L160 15511 lm / 175w	
	<u>Type IV</u>	
	L1L40 4076 lm / 36w	
	L1L80 7337 lm / 75w	
	L1L120 12056 lm / 125w	
L1L160 15257 lm / 175w		

LUMEN CONVERSION FACTOR (LCF)		
CCT	CRI	LCF
2700K	80	0.91
3000K	80	0.94
3500K	80	0.98
4000K	80	1.00


OPTION DETAILS




PHSC
7-PIN receptacle with shorting cap option mounted on top of the fixture housing as shown.



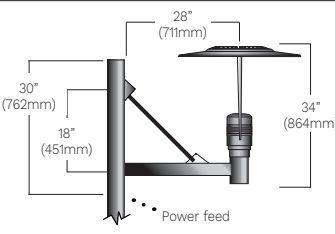
PH7
7-PIN receptacle with photocell option mounted on top of the fixture housing as shown.



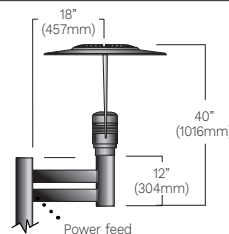
HS
House side shield. Field installable. Not available for type V.



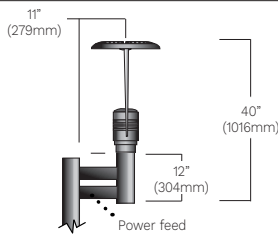
SD30
Ø30" shade.




PM45
1" X 3" (25mm X 76mm) extruded aluminum extended arm pole mounting adaptor designed to fit with Ø 4 to 5" poles. Ø 1/2" X 45° standard natural stainless steel rod support. (EPA: 0.7)



PM
Set of (2) 1" X 3" (25mm X 76mm) extruded aluminum side pole straight mounting. Pole mounting adaptor fits with Ø 4 to 5" poles. (EPA: 0.97)



PMS
Set of (2) 1" X 3" (25mm X 76mm) extruded aluminum side pole straight mounting. Pole mounting adaptor fits with Ø 4 to 5" poles. (EPA: 0.72). Not compatible with SD30.



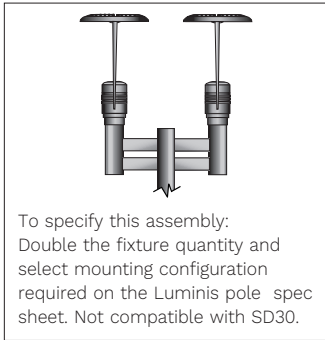
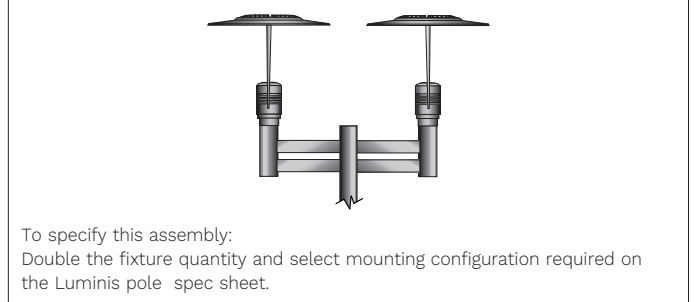
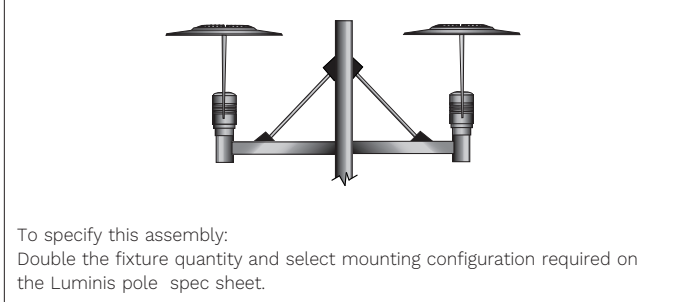
PT4
To be installed on Ø 4" (102mm) pole. (Pole by others)



PT5
To be installed on Ø 5" (127mm) pole. For 1/8" wall thickness. (Pole by others)

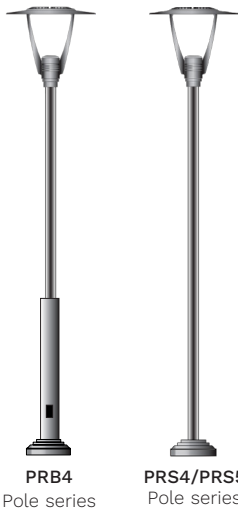
POLE MOUNTING DETAILS

*For reference only. Must be selected with the pole. Refer to the separate pole specification for details.



LUMINIS POLE DETAILS

*For reference only. Must be selected with the pole. Refer to the separate pole specification for details.



SERIES	POLE HEIGHT
PRB4 Ø4 round bottleneck aluminum pole	10FT Pole 10'
PRS4 Ø4 round straight aluminum pole	12FT Pole 12'
PRS5 Ø5 round straight aluminum pole	14FT Pole 14'
	16FT Pole 16'
	18FT Pole 18'
	20FT Pole 20'