

MET30

METROPOLIS LUMINAIRE

FEATURES

- High performance precision optics
- Three unique shade options
- Die cast aluminum two-piece housing with a polycarbonate lens
- 20kA surge protection standard



	Weight	EPA
MET30	50 lbs	1.51 sq ft

CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- All cast aluminum parts are low copper alloy A356. All extruded aluminum parts are alloy 6061-T6, 6063-T5 or equal
- Fasteners are corrosion resistant. When tamper resistant fasteners are required, spanner HD (snake eye) style is provided (special tool required, available at additional cost)
- IFS polyester powder-coat electrostatically applied and thermocured
- IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds
- For Pendant mounting not using the DPF or the DEF, a number 2 coupling is required. This option will need to be selected when ordering the arm for the Metropolis.

ELECTRICAL

- Luminaire accepts 100V through 277V, or 347V or 480V input, 50 Hz to 60 Hz (UNV)
- Power factor is $\geq .90$ at full load
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is listed by UL for use at 600 VAC at 50°C or higher
- Plug disconnects are listed by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only
- Surge protection -20kA
- Operates normally in temperatures from -25°C to 40°C

CONTROLS

- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night

CERTIFICATIONS

- The luminaire bears an NRTL label and be marked suitable for wet locations
- CSA labelled suitable for wet locations (standard)
- Listed to UL

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	4,100–11,700
Wattage Range	27–136
Efficacy Range (LPW)	74–109
Weight lbs. (kg)	50 (22.68)

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ORDERING GUIDE

Example: MET30-PC-24L-27-3K7-UNV-FR-SHA-GENI-04-PEC-120-BLT

CATALOG #

MET30		Lens Option		Engine-Watts		CCT/CRI		Voltage		Optics	
Series		PC	Polycarbonate, Clear	24L-27	27 Watts - LED array	3K7	3000K, 70 CRI	UNV	120-277V	FR	Type I
MET30	Metropolis 30"	NL	No lens	24L-55	55 Watts - LED array	4K7	4000K, 70 CRI	347	347V	2	Type II
				36L-80	80 Watts - LED array	5K7	5000K, 70 CRI	480	480V	3	Type III
				48L-110	110 Watts - LED array					4	Type IV
				60L-136	136 Watts - LED array					4W	Type IV, Wide
										5R	Type V, Rectangular
										SQM	Type V, Square medium
										5W	Type V, Round wide

Style Options		Control Options		Electrical Options		Color	
SHA	Spun aluminum shade	GENI-XX	Energeni ¹	PEC-120	Button, 120V	BLT	Black Matte Textured
DPF	Decorative finial for twist-lock photocell			PEC-208	Button, 208V	BLS	Black Gloss Smooth
DEF	Decorative finial			PEC-240	Button, 240V	DBT	Dark Bronze Matte Textured
2C	2" Coupling ²			PEC-277	Button, 277V	DBS	Dark Bronze Gloss Smooth
				2PF	Two Power Feeds ²	GTT	Graphite Matte Textured
						LGS	Light Grey Gloss Smooth
						LGT	Light Grey Textured
						PSS	Platinum Silver Smooth
						WHT	White Matte Textured
						WHS	White Gloss Smooth
						VGT	Verde Green Texture
						Color Option	
						CC	Custom color

Notes
 1 Must specify routing setting code. See page 6 for details.
 2 UNV (120-277V) Only

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PERFORMANCE DATA

MET30 PC LENS

# LED'S	Drive Current	System Watts	Distribution Type	5K (5000K nominal, 70CRI)					4K (4000K nominal, 70CRI)					3K (3000K nominal, 70CRI)				
				Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G
24	700mA	55	2	4570	83	1	2	1	4663	85	1	2	1	4150	74	1	2	1
			3	5071	92	1	1	2	5175	94	1	1	2	4605	84	1	1	2
			4	4667	85	1	2	2	4763	87	1	2	2	4239	77	1	2	1
			5W	4806	87	3	2	1	4904	89	3	2	1	4365	79	3	2	1
36	700mA	80	2	6854	83	2	2	2	6994	85	2	2	2	6225	78	2	2	2
			3	7607	92	2	1	3	7762	94	2	1	3	6908	86	2	1	3
			4	7001	85	1	2	2	7144	86	1	2	2	6358	79	1	2	2
			5W	7209	87	3	2	2	7356	89	3	2	2	6547	82	3	2	1
48	700mA	110	2	9139	83	2	3	2	9326	85	2	3	2	8300	75	2	3	2
			3	10142	92	2	1	3	10349	94	2	1	3	9211	84	2	1	3
			4	9335	85	1	2	2	9525	86	1	2	2	8478	77	1	2	2
			5W	9612	87	4	2	2	9808	89	4	2	2	8729	79	3	2	2
60	700mA	136	2	11424	83	2	3	3	11657	85	2	3	3	10375	75	2	3	2
			3	12678	82	3	1	3	12937	94	3	1	3	11514	84	2	1	3
			4	11669	85	2	2	3	11907	87	2	3	3	10597	77	1	2	2
			5W	12138	88	4	3	2	12607	89	4	3	2	10912	79	4	3	2

¹ Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application

PERFORMANCE DATA (CONTINUED)

MET30 NO LENS

# LED'S	Drive Current	System Watts	Distribution Type	5K (5000K nominal, 70CRI)					4K (4000K nominal, 70CRI)					3K (3000K nominal, 70CRI)				
				Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G
24	700mA	55	2	5368	98	1	2	2	5422	99	1	2	2	4455	81	1	2	1
			3	5958	108	1	1	2	6017	109	1	1	2	4945	90	1	1	2
			4	5483	100	1	2	2	5538	101	1	2	2	4551	83	1	2	2
			5W	5646	103	3	2	1	5703	104	3	2	1	4686	85	3	2	1
36	700mA	80	2	8052	97	2	3	2	8132	98	2	3	2	7852	95	2	0	3
			3	8936	108	2	1	3	9026	109	2	1	3	7772	94	2	0	3
			4	8225	99	1	2	2	8307	100	1	2	2	8552	103	1	0	3
			5W	8469	102	3	2	2	8554	103	3	2	2	8435	102	3	0	2
48	700mA	110	2	10736	97	2	3	2	10843	98	2	3	2	8911	81	2	3	2
			3	11915	108	2	1	3	12034	109	2	1	3	9890	90	2	1	3
			4	10966	99	2	2	3	11076	100	2	2	3	9102	82	1	2	2
			5W	11292	102	4	3	2	11405	103	4	3	2	9372	85	3	2	2
60	700mA	136	2	13420	97	3	3	3	13554	98	3	3	3	11139	81	2	3	2
			3	14874	108	3	1	4	15043	109	3	1	4	12362	90	2	1	3
			4	13708	100	2	3	3	13845	101	2	3	3	11378	83	2	2	3
			5W	14115	102	4	3	2	14257	103	4	3	2	11716	85	4	3	2

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ELECTRICAL DATA

# of LEDs	Number of Drivers	Drive Current	Input Voltage (V)	System Power (Watts)	Current(A)
24	2	700 mA	120	55	0.55
			277		0.24
			347		0.19
			480		0.14
36	1	700 mA	120	80	0.80
			277		0.35
			347		0.28
			480		0.20
48	1	700 mA	120	110	1.10
			277		0.48
			347		0.38
			480		0.28
60	1	700 mA	120	136	1.36
			277		0.59
			347		0.47
			480		0.34

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature	Lumen Multiplier
0°C / 32°F	1.02
10°C / 50°F	1.01
20°C / 68°F	1.00
25°C / 77°F	1.00
30°C / 86°F	0.98
40°C / 104°F	0.98

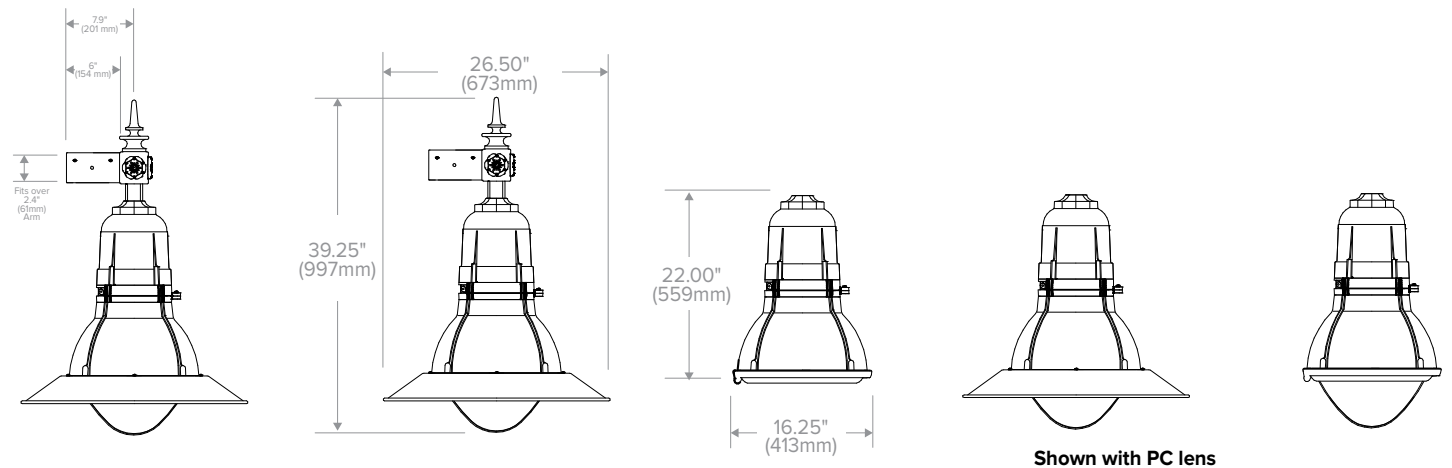
Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F)

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	0	25,000	50,000	TM-21-11 60,000 ¹	100,000	Calculated L70 (Hours)
25°C / 77°C	1.00	0.97	0.95	0.95	0.92	>470,000

¹ Projected per IESNA TM-21-11
Data references the extrapolated performance projections for the base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08

DIMENSIONS



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ENERGENI ROUTINE SETTING CHART

The ENERGENI has flexible setting options to work with fixtures activated by photocontrols or time clocks. The delay and dimming level options can be configured at the factory or reconfigured at will in the field without the need for special cables or computers.

Examples:

GENI-01 Set Dimming @100%

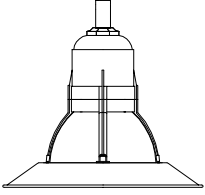
GENI-06 Dimming Based on Hours of Operation - Dim to 20% after 9 hours

GENI-19 Dimming Based on Time of Night - Dim to 20% at 10:00 PM

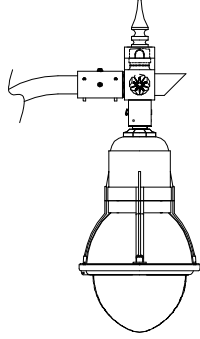
Routine Number	Switch Settings (0=Down, 1=Up)					Brightness %	"Simple Delay (hrs)"	"Variable Delay Estimated Time"
	Switch 1	Switch 2	Switch 3	Switch 4	Switch 5			
01	0	0	0	0	0	100	0	
02	1	0	0	0	0	20	0	
03	0	1	0	0	0	20	3	
04	1	1	0	0	0	20	5	
05	0	0	1	0	0	20	7	
06	1	0	1	0	0	20	9	
07	0	1	1	0	0	40	0	
08	1	1	1	0	0	40	3	
09	0	0	0	1	0	40	5	
10	1	0	0	1	0	40	7	
11	0	1	0	1	0	40	9	
12	1	1	0	1	0	60	0	
13	0	0	1	1	0	60	3	
14	1	0	1	1	0	60	5	
15	0	1	1	1	0	60	7	
16	1	1	1	1	0	60	9	
17	0	0	0	0	1	20		6:00 PM
18	1	0	0	0	1	20		8:00 PM
19	0	1	0	0	1	20		10:00 PM
20	1	1	0	0	1	20		12:00 AM
21	0	0	1	0	1	20		2:00 AM
22	1	0	1	0	1	40		6:00 PM
23	0	1	1	0	1	40		8:00 PM
24	1	1	1	0	1	40		10:00 PM
25	0	0	0	1	1	40		12:00 AM
26	1	0	0	1	1	40		2:00 AM
27	0	1	0	1	1	40		4:00 AM
28	1	1	0	1	1	60		6:00 PM
29	0	0	1	1	1	60		8:00 PM
30	1	0	1	1	1	60		10:00 PM
31	0	1	1	1	1	60		12:00 AM
32	1	1	1	1	1	60		2:00 AM

ADDITIONAL INFORMATION

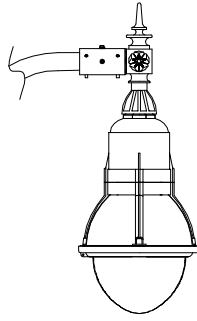
STYLE OPTIONS



Spun Aluminum Shade (SHA)



**Decorative Finial for
Twistlock photocell (DPF)**



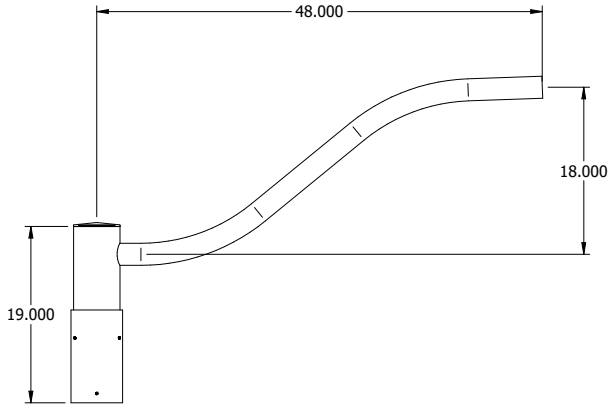
Decorative Finial (DEF)

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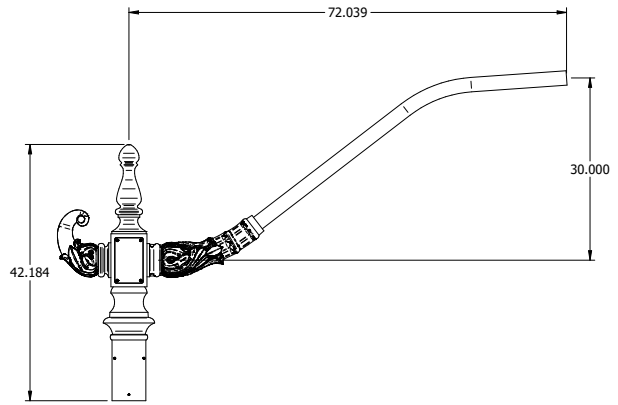
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SIDE MOUNT

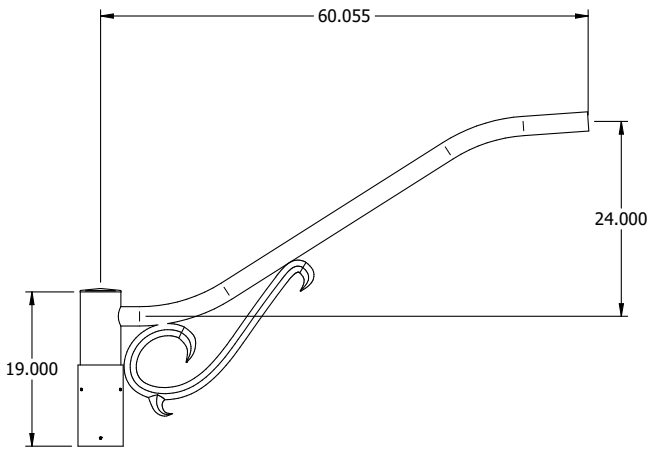
* Arms ordered separately, arms mount over an open top pole, they do not mount to a tenon.



AA-10 COBRA



AA-10B COBRA BALBOA



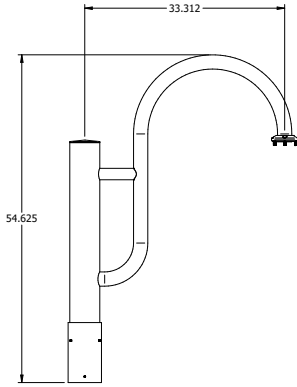
AA-10S COBRA SCROLL

MET30

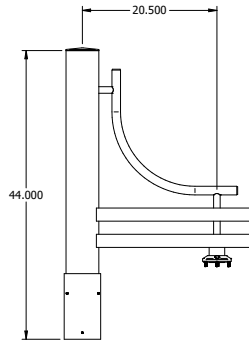
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PENDANT MOUNT

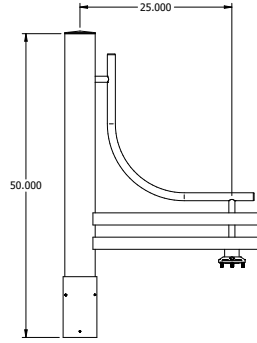
* Arms ordered separately, arms mount over an open top pole, they do not mount to a tenon.



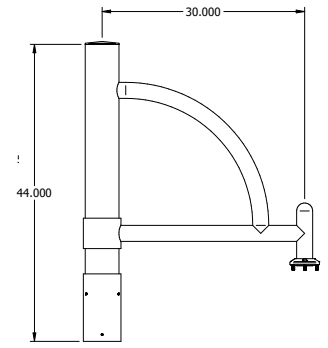
AA-41 RAILROAD STRAP



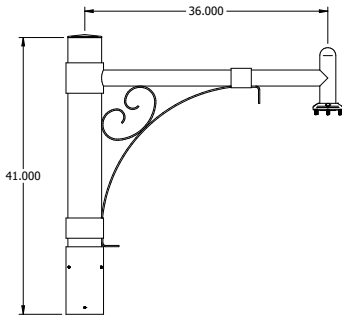
AA-10 SMALL PIERWALK



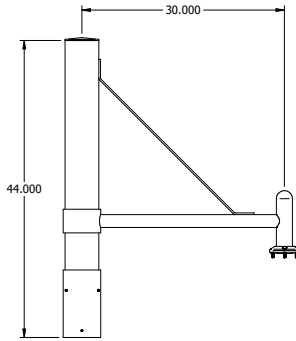
AA-38 LARGE PIERWALK



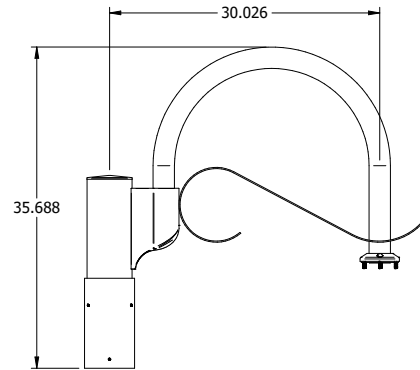
AA-49 RADIUS



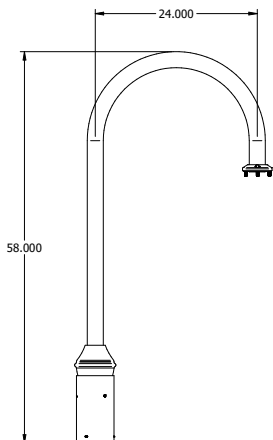
AA-27 STRATFORD



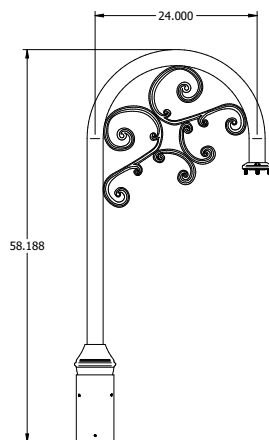
AA-44 STRUT



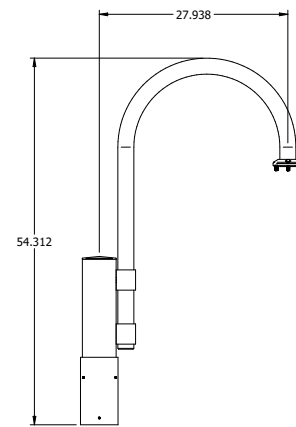
AA-45 TWIN EAGLES



AA-39 RAILROAD



AA-39S RAILROAD SCROLL



AA-42 RAILROAD SCS