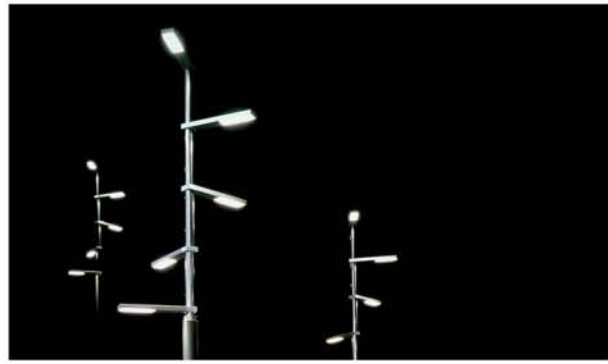


RAMA

Product Data Sheet



Rama, designed by Gonzalo Mila, is a simple, innovative and versatile street lamp delivering the latest in LED technology. Directional lighting and use of white light provides a great visual experience with reduced light pollution and excellent performance with reduced energy consumption. The housing is made of aluminum to dissipate heat and increase LED longevity. Offered with 3 standard pole heights, a single luminaire or multiple luminaires can be mounted in different positions and heights. A simple clamping mechanism also allows Rama luminaires to be retrofitted to existing 5" poles, making it suitable for any outdoor space.

LED Technology

Rama employs solid state LED technology that provides exceptional energy efficiency and very long life, reducing maintenance cost. Designed to maximize the potential by managing the thermal properties of LEDs, the cast aluminum housing and anodized heat sink dissipate heat while its meticulous details and finish express quality you can see. Available in two standard color temperatures and offered with a clear or frosted glass lens.

Rama LED R4

Type 2 Distribution
Housing: Aluminum extrusion
Lamp: 24 Cree XP62 LEDs
L70: >100,000 hrs
Drive Current: 500mA
Optic: Polycarbonate
Lens: Clear / Frosted Glass
Power Supply: 120V-277V
LED Driver: Philips Xitanium 75W
Dimmable: 0-10V or DALI
IP Rating: IP65
Weight: 20 lbs (luminaire)
EPA: 1.06 ft²

Rama LED R8

Type 2 Distribution
Housing: Aluminum extrusion
Lamp: 48 Cree XP62 LEDs
L70: >100,000 hrs
Drive Current: 500mA
Optic: Polycarbonate
Lens: Clear / Frosted Glass
Power Supply: 120V-277V
LED Driver: Philips Xitanium 75W
Dimmable: 0-10V or DALI
IP Rating: IP65
Weight: 20 lbs (luminaire)
EPA: 1.06 ft²



Rama is equipped with Constant Light Output (CLO) technology. CLO programmatically compensates for lumen depreciation by adjusting the drive current, allowing light output to remain constant throughout the luminaire maintenance cycle.

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RAMA

Product Data Sheet



To Order Rama Luminaire

Specify in order: Product, Lamp, Lens, Drive Current, Color Temperature, Input Voltage, Mounting Option and Finish.

Product	Lamp	Lens	Drive Current	Color Temp.	Input Voltage	Mounting	Finish
RM	024L2 (R4, 24 LED Type 2)	CLR (Clear Glass)	05C (500mA CLO*)	40K (4000K)	UV1 (120-277VAC)	5A (w/ clamp - single mount)	AL (Aluminum Silver)
	048L2 (R8, 48 LED Type 2)	FRS (Frosted Glass)	30K (3000K)			5B (w/o clamp - double mount)	

EXAMPLE: RM - 024L2 - FRS - 05C - 30K / UV1 - 5A - AL

*CLO = Constant Light Output

To Order Aluminum Pole

Specify: Rama pole with desired mounting option, optional 7-pin (ANSI 136.41) twist lock receptacle, and Powdercoat Color.

Height	Pole	Luminaire Configuration	Twist Lock	Diameter	Wall Thick
4.5 meters	RM60219-01 RM60219-02	(1) or (2) Rama luminaires at top (1) or (2) Rama luminaires at top	No Yes	5" 5"	.125" .125"
6 meters	RM60220-01 RM60220-02 RM60220-03 RM60220-04	(1) or (2) Rama luminaires at top (1) or (2) Rama luminaires at top (2) Rama luminaires at different heights (2) Rama luminaires at different heights	No Yes No Yes	5" 5" 5" 5"	.188" .188" .188" .188"
8 meters	RM60221-01 RM60221-02 RM60221-03 RM60221-04 RM60226-01 RM60226-02	(1) or (2) Rama luminaires at top (1) or (2) Rama luminaires at top (2) Rama luminaires at different heights (2) Rama luminaires at different heights (5) Rama luminaires in spiral configuration (5) Rama luminaires in spiral configuration	No Yes No Yes No Yes	5" / 6" 5" / 6" 5" / 6" 5" / 6" 5" / 7" 5" / 7"	.188" .188" .188" .188" .188" .188"

EXAMPLE: RM60220-01 - Powdercoat Color

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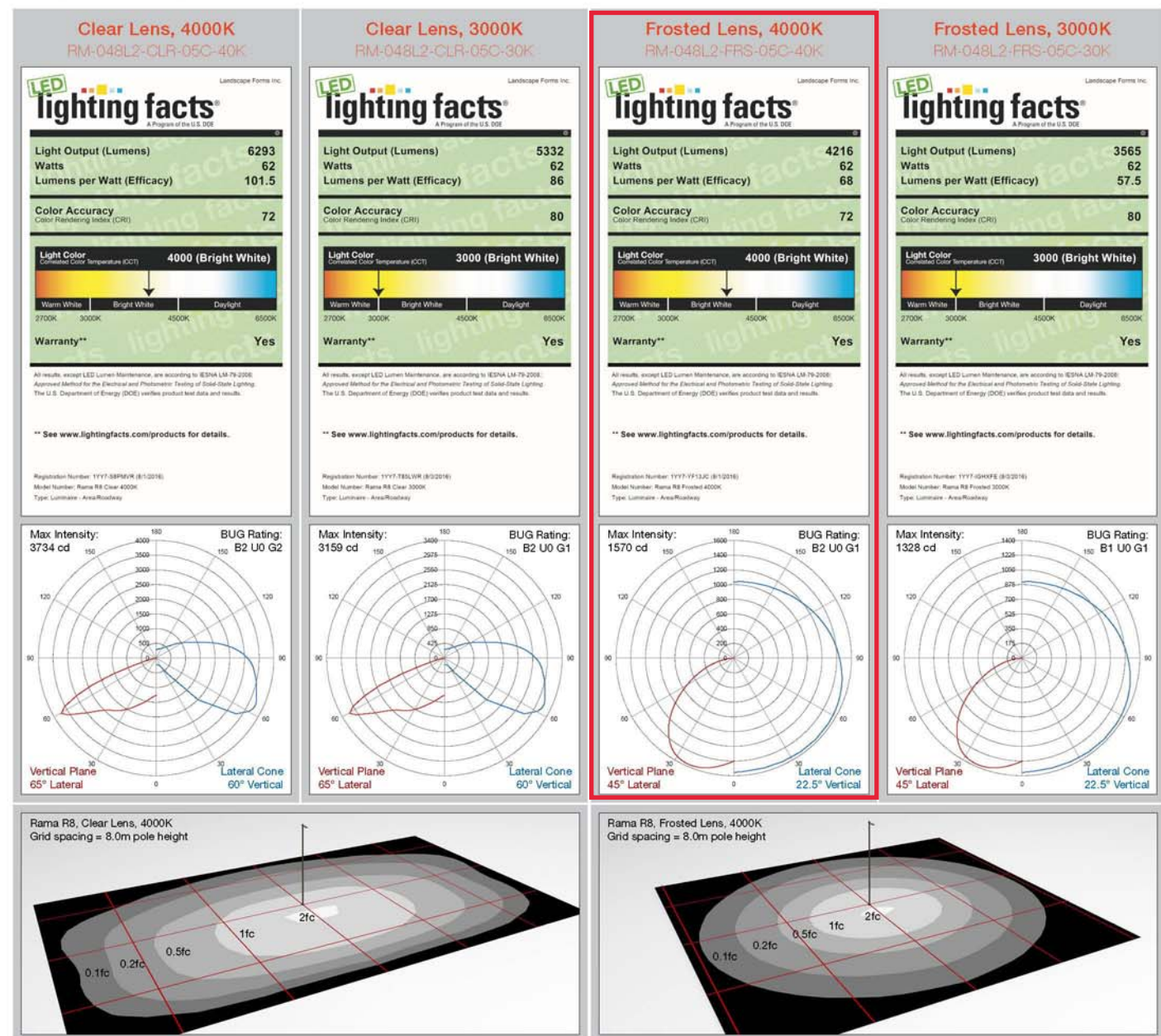
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RAMA

Product Data Sheet



Rama R8 Performance Data



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RAMA

Product Data Sheet



Finish

The Rama LED body is aluminum extrusion with a natural aluminum powdercoat finish offered by Santa & Cole. The Pargard® powdercoat finish on poles is offered exclusively by Landscape Forms.

Warranty

Santa & Cole warrants all metal parts and finishes for a three year period. Electrical components including LED boards and electronic drivers are warranted for five years.

Other

UL Listed, CE, RoHS Compliant, Dark-Sky Compliant



Rama is designed by Santa & Cole
Rama design is protected by Spanish Industrial Design #147,594 and International Industrial Model #76912

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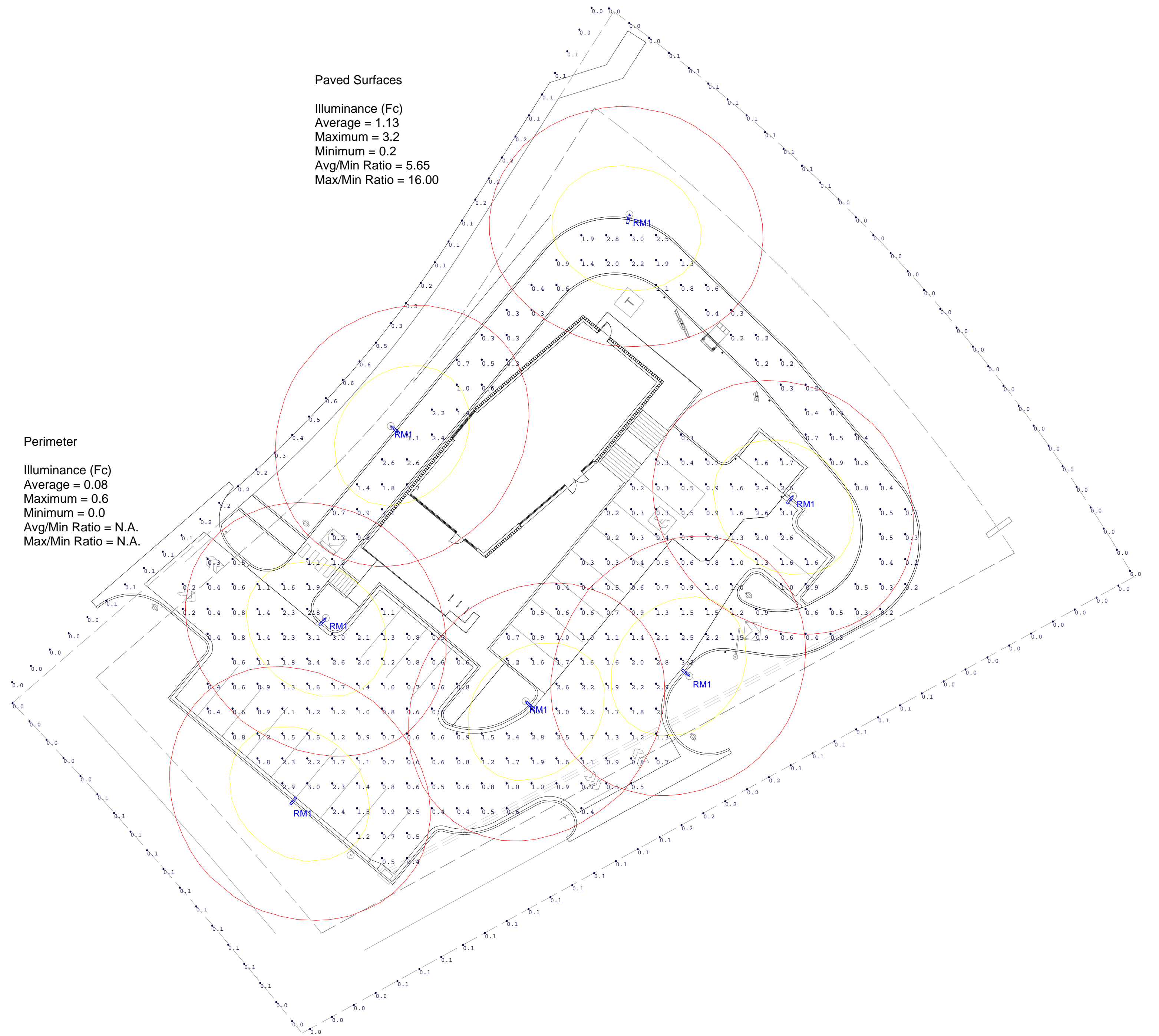
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Paved Surfaces

Illuminance (Fc)
Average = 1.13
Maximum = 3.2
Minimum = 0.2
Avg/Min Ratio = 5.65
Max/Min Ratio = 16.00

Perimeter

Illuminance (Fc)
Average = 0.08
Maximum = 0.6
Minimum = 0.0
Avg/Min Ratio = N.A.
Max/Min Ratio = N.A.



Luminaire Schedule				
Symbol	Label	Qty	Arrangement	Description
	RM1	7	SINGLE	RM-048L2-FRS-05C-40K-UV1-5A-AL (Rama R8, Frosted Lens, 4000K, w/ Clamp) --- RM60220-01 (6m Pole, no Twist Lock)

Scale: 1 inch= 20 Ft.

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Academy Gateway - Rama Lighting

This drawing shows suggested fixtures and mounting locations based on the information provided. Landscape Forms assumes no responsibility for variation of light levels that result from changes in parameters not reported at the time of design.

Completed By: AH
Checked By: CG
Date: 8/25/2017
AQ32 Version: 18.3.2

Comments:
1. Drawing calculations reflect lighting from Rama fixtures only.
2. Distance between readings = 7ft.
3. CLO active

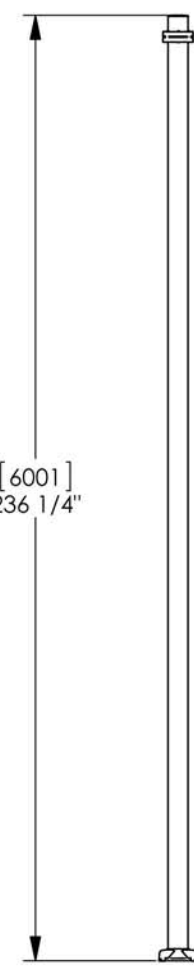
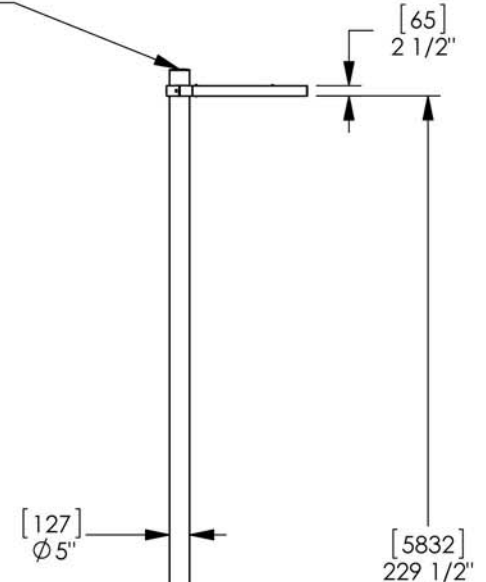
Filename: ILP042_RivAAGI
Revision A
Page 1 of 2

SANTA & COLE **Rail**
Product Drawing

(4) 3/4-10 x 17" x 3" THREADED J HOOKS AND
LEVELING NUTS INCLUDED

NUT COVERS INCLUDED

POLE AVAILABLE WITH OPTIONAL
TWIST-LOCK RECEPTACLE



Drawing: RM0003
Dimensions are in inches [mm]
Spanish Industrial Model 147.594

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Date: 6/16/2015
Ph: 800.521.2546



Illuminance (Fc)
 Average = 1.13
 Maximum = 3.2
 Minimum = 0.2
 Avg/Min Ratio = 5.65
 Max/Min Ratio = 16.00

Perimeter

Illuminance (Fc)
Average = 0.08
Maximum = 0.6
Minimum = 0.0
Avg/Min Ratio = N.A.
Max/Min Ratio = N.A.

Luminaire Schedule				
Symbol	Label	Qty	Arrangement	Description
	RM1	7	SINGLE	RM-048L2-FRS-05C-40K-UV1-5A-AL (Rama R8, Frosted Lens, 4000K, w/ Clamp) --- RM60220-01 (6m Pole, no Twist Lock)

Scale: 1 inch= 20 Ft.

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Academy Gateway - Rama Lighting

Completed By: AH

Checked By: CG

Date: 8/25/2017

Comments:

1. Drawing/calculations reflect lighting from Rama fixtures only.
2. Distance between readings = 7ft.
3. CLO active

Filename: ILP342_RevA.AGI

Revision A