



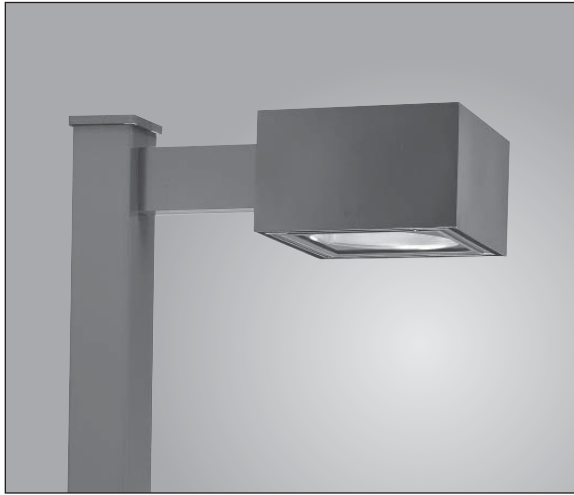
Consistent with LEED® goals  
& Green Globes™ criteria  
for light pollution reduction

# LuxMaster® Classic Series LM

Area Lighting

200-400M HPS, 250-400W MH

## PRODUCT OVERVIEW



### Features:

Rugged heavy gauge aluminum housing is continuously seam welded for weathertight integrity

Multiple mounting options to fit a variety of applications

Optical assembly designed for maximum performance

Removable ballast tray electrical system for installation and maintenance ease

Mogul base, E39 socket standard

"Breathing Seal" developed by American Electric prevents contaminants from entering optical assembly for maximum efficiency

Tempered flat glass lens

Available in a variety of IES full cutoff light distributions patterns

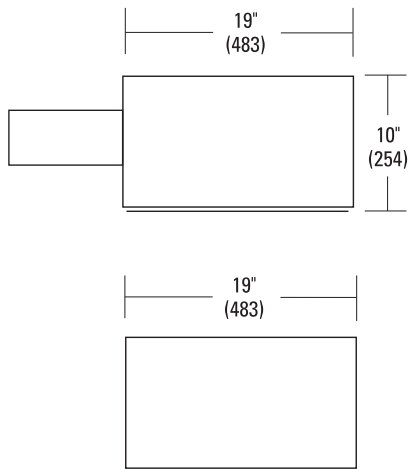
All electrical components warranted by American Electric Lighting's 6-year guarantee

Suitable for -30°C MH / -40°C HPS

### Applications:

Office complexes  
Parking lots  
Residential areas  
Commercial environments  
Security lighting

### DIMENSIONS



Effective Projected Area (EPA)  
The EPA for the LuxMaster Classic Luminaire, Series LM is 2.36 sq. ft.  
Approx Wt. = 45 lbs.

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### ORDERING INFORMATION

Example: LM 20S XH 120 R3 P BK SF PC

| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Wattage / Source                                                                                                   | Ballast                                                                                                                                                                                                         | Voltage                                                                                                                                                                                                               | Distribution                                                   | Paint                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| LM LuxMaster Shoebox, Medium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20 200W S HPS<br>25 250W <sup>1</sup> M MH <sup>2</sup><br>32 320W<br>35 350W <sup>1</sup><br>40 400W <sup>1</sup> | RN Reactor Normal Power Factor<br>RH Reactor High Power Factor<br>XN High Reactance / Lag Normal Power Factor<br>XH High Reactance / Lag High Power Factor<br>CA CWA Auto Reg <sup>2</sup><br>CT CWI<br>SC SCWA | 120 120V<br>208 208V<br>240 240V<br>277 277V<br>347 347V<br>480 480V<br>MT1 Multi-tap Wired 120V<br>MT2 Multi-tap Wired 240V<br>MT7 Multi-tap Wired 277V<br>TT3 Tri-tap Wired 347V<br>DT2 Dual Tap 120/240 Wired 240V | R2 Roadway Type II<br>R3 Roadway Type III<br>R5 Roadway Type V | Paint <sup>3</sup><br>(blank) Bronze (standard)<br><br>BK Black<br>DDB Dark Bronze<br>GY Gray |
| <div> <div>See ballast matrix for EISA compliant options</div> <div>Mounting (Choose one)</div> <div> <div>P Square Pole 12" Arm</div> <div>W Wall Bracket 12" Arm</div> <div>K Adjustable Knuckle</div> <div>M External Fitter</div> <div>Y Yoke Mount</div> <div>T Square Tenon</div> <div>1 Square Tenon 2 Arms 90°</div> <div>2 Square Tenon 2 Arms 180°</div> <div>3 Square Tenon 3 Arms 90°</div> <div>4 Square Tenon 4 Arms 90°</div> <div>5 Round Tenon</div> <div>6 Round Tenon 2 Arms 90°</div> <div>7 Round Tenon 2 Arms 180°</div> <div>8 Round Tenon 3 Arms 90°</div> <div>9 Round Tenon 3 Arms 120°</div> <div>R Round Tenon 4 Arms 90°</div> </div> </div> |                                                                                                                    |                                                                                                                                                                                                                 |                                                                                                                                                                                                                       |                                                                |                                                                                               |

| Options |
|---------|
|---------|

#### Photocontrol Receptacle

(blank) Photocontrol Receptacle (standard)  
NR No Photocontrol Receptacle<sup>4</sup>

#### Fusing<sup>5</sup>

SF Single Fuse (120, 277, 347V)  
DF Double Fuse (208, 220, 240, 480V)

#### Terminal Block

(blank) Terminal Block (standard)  
T2 Wired to L1 & L2 Positions  
T3 3 Wire Operation (L1, N, L2 Position)

#### Misc.

LC Lamp Included, Clear  
PC Photocontrol Included per Voltage Specified<sup>4</sup>  
SS Stainless Steel Fasteners (external)  
SH Shorting Cap<sup>4</sup>

#### Notes:

- When ordered with metal halide, these wattages do not comply with California Title 20 regulations.
- CA ballast not available with 175W - 400W metal halide in the U.S.; must use SC
- Other colors available, please contact your local American Electric Lighting representative
- PC and SH not available with NR option
- voids UL/CSA Certified options and not available in MT, TT, and DT voltages

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## BALLAST MATRIX

### LuxMaster® Classic Series LM

| Watts        | 120         | 208   | 240         | 277   | 347 | 480 | DT2         | MT1   | MT2   |
|--------------|-------------|-------|-------------|-------|-----|-----|-------------|-------|-------|
| 20S          | CA,CT,XH,XN | CA,CT | CA,CT,XH,XN | CA,CT | CA  | CA  | CA,CT,XH,XN | CA,CT | CA,CT |
| 25S          | CA,CT,XH,XN | CA,CT | CA,CT,RH,RN | CA,CT | CA  | CA  | XH,XN       | CA,CT | CA,CT |
| <b>E</b> 25M | SC          | SC    | SC          | SC    | SC  | SC  | SC          | SC    | SC    |
| 31S          | CA          | CA    | CA          | CA    | -   | -   | CA          | CA    | CA    |
| <b>E</b> 32M | SC          | SC    | SC          | SC    | SC  | SC  | SC          | SC    | SC    |
| <b>E</b> 35M | SC          | SC    | SC          | SC    | SC  | SC  | SC          | SC    | SC    |
| 40S          | CA,CT       | CA,CT | CA,CT,RH,RN | CA,CT | CA  | CA  | CA,CT       | CA,CT | CA,CT |
| <b>E</b> 40M | SC          | SC    | SC          | SC    | SC  | SC  | SC          | SC    | SC    |

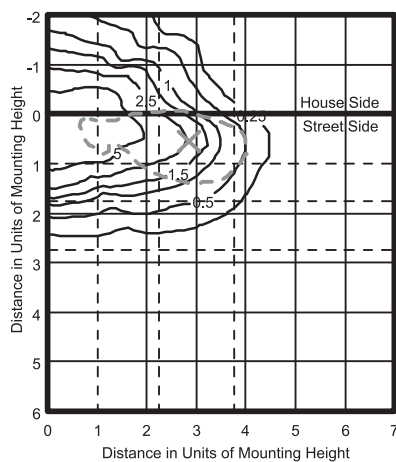
### LuxMaster® Classic Series LM continued

| Watts        | MT7   | TT3 | 5T4 |
|--------------|-------|-----|-----|
| 20S          | CA,CT | -   | -   |
| 25S          | CA,CT | CA  | CA  |
| <b>E</b> 25M | SC    | SC  | SC  |
| 31S          | CA    | -   | -   |
| <b>E</b> 32M | SC    | SC  | SC  |
| <b>E</b> 35M | SC    | SC  | SC  |
| 40S          | CA,CT | CA  | CA  |
| <b>E</b> 40M | SC    | SC  | SC  |

## PHOTOMETRICS

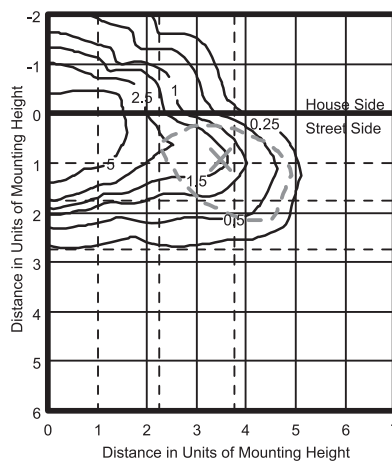
### LM 40S R3 FG

ISOILLUMINANCE PLOT (FC)  
Mounting Height = 20 ft.  
Classification: Type II, Medium, Semicutoff



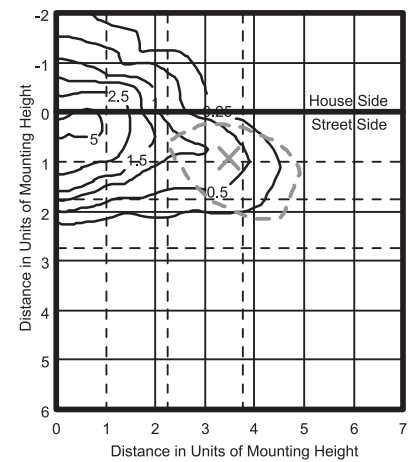
### LM 20S R3 FG

ISOILLUMINANCE PLOT (FC)  
Mounting Height = 20 ft.  
Classification: Type III, Medium, Noncutoff



### LM 40S R2 FG

ISOILLUMINANCE PLOT (FC)  
Mounting Height = 20 ft.  
Classification: Type III, Medium, Noncutoff



X Maximum Intensity  
- - - 1/2 Maximum Intensity

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