e-Vision Low Wattage
20-150W

E-VISION ELE MH BAL 100W M140 120-277 50/60HZ

Low frequency electronic HID ballasts such as the Philips Advance e-Vision line constantly measure and adjust the wattage, optimizing delivery of the ceramic lamps’ superior color properties. This makes ceramic metal halide operated by e-Vision ballasts the premier choice for many applications previously illuminated by either tungsten halogen or incandescent sources, such as retail lighting.

Product data

- **General Characteristics**
  - Lamp Type: 100W MH
  - Number of Lamps: 1 piece
  - Input Voltage: 120-277 V
  - Line Frequency: 50/60 Hz
  - Ballast Type: Electronic HID
  - Base Model: IMH100DBLS
  - Housing: D
  - Housing Dimensions: 4.3” x 3.0” x 1.5”
  - Housing Material: Metal
  - Suitable for Outdoor use: Yes
  - Lifetime 90% surv. @ Tcase life: 50000 hr
  - Family Name: eVision

- **Operating Characteristics**
  - Ignition time: 1200 s
  - Input Power Gear: 110-109 W
  - Ballast factor: 1.0
  - Power Factor: 0.90
  - Lamp Current Crest Factor: 1.8
  - Sound Rating: A
  - Max THD: 15%

- **Wiring Characteristics**
  - Color input terminals: No terminals
  - Color output terminals: No terminals
  - Connector type: No connector
  - Wire Striplength: 0.50 mm
  - Control Wire Gauge: NA
  - Wire Gauge: 18AWG

- **Wire Length by Color**
  - All leads = 11”

- **System Chars on driver level**
  - Rated Lamp Watts: 100

- **Temperature Characteristics**
  - T-case maximum: 85 C

- **Product Dimensions**
  - Length A1: 5.0 in
  - Length A2: 4.3 in
  - Length A3: 4.6 in
  - Width B1: 3.0 in
  - Height C1: 1.5 in
  - Length A4: 2.0 in
  - Width B2: 0.7 in

- **Approval & Application Chars**
  - EMC Immunity: FCC Non-Consumer
  - CE marking: No
  - ENEC certificate: No
  - VDE certificate: No
  - UL Listed: Yes
  - CSA certificate: Yes
  - CEC Listing: No
### Product Data
- **Product number**: IMH100DBLSM
- **Full product name**: ELE MH BAL 100W M140 120-277 50/60HZ
- **Skus/Case**: 10
- **Bar code on pack**: 781087032206
- **Bar code on case**: 50781087032218
- **Logistics code(s)**: 913710388202
- **eop_net_weight_pp**: 0.667 kg

### Dimensional drawing

![Dimensional drawing](image)

### E-VISION ELE MH BAL 100W M140 120-277 50/60HZ

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### Lamp connection diagram

- **Red**: Lamp
- **Blue**: Ballast
- **White**: COP1
- **Black**: 120V - 277V
- **Green**: Ballast case must be grounded

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www.philips.com/lighting  

2014, September 30  
data subject to change