# MP-LE1007

The Metaphaser LED Light Engine system is ideal for replacing older generation "hot light" fiber-based illuminator systems and for green technology efficiency upgrade programs. The Metaphaser was designed for fiber optics with light acceptance areas of 6-20 mm. With the appropriate Metaphase adapter, this system can mechanically accept fiber optics with outer housing diameters up to 20 mm. The proprietary digital-optical dimming control provides excellent color stability over its 75,000-hour rated lifetime. The MetaBright™ LED engine features a remarkable operating efficiency, minimum heat generation and an easily replaceable modular design to protect against LED source obsolescence. The Metaphaser is available in constant DC and Strobe versions.



## FEATURES

- Similar to the brightness levels of 250-watt metal halide fiber illuminator technology
- Long lifetime (75,000 hours)
- Low power consumption (less than 100 watts)
- 60x less energy consumption than comparable "hot lights"
- Consistent color temperature during dimming and over time
- RoHS compliant

## SPECIFICATIONS

| | |
|---|---|
| Input Power: | 12 VDC (PS1007 12VDC Power Supply Sold Separately) |
| Input current: | 5A max. |
| Housing: | Aluminum |
| Finish: | Pearl night blue |
| Weight: | 4 pounds (1.81 kg) |
| Dimensions: | Length: 12.0 in (305 mm) |
| | Width: 4.0 in (104 mm) |
| | Height: 7.15 in (182 mm) |
| Ambient Temperature: | -20°C to 40°C |
| Lifetime Hours: | 75,000 |
| Illuminance: | 1.7 million Lux (2.2 million Lux with optional Optical Condenser) |

# Metaphaser LED Light Engine

PRODUCT DATA SHEET

**METAPHASE LIGHTING TECHNOLOGIES**

## MP-LE1007

| PART NUMBER KEY | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| MODEL | SIZE | - | WAVELENGTH | - | DRIVER | - | LENS | - | NOSEPIECE | - | ADAPTER (with SS4 Only) |
| MP-LE | XXXX | - | XXXXX | - | XXXX | - | XXX | - | XXX | - | XXX |
| **MP-LE** | **1007** | | **W** (White 6000K, Nominal) **R** (Red 630nm) **G** (Green 530nm) **B** (Blue 470nm) **IR850** (Infrared 850nm) | | **DC12** (Constant DC) **ST12** (Strobe)   Select one | | **CND** (Condenser)    Select or leave blank for no condenser | | **SS4**  **SS1** **SS2** **SS3** **SS8** **SS9**   Select or leave blank for no nosepiece | | **MX5** **MX6** **MX7** **MX9** **MX10** **MX11** **MX12**  Adapter options are only for the SS4 Nosepiece  Select or leave blank for no adapter |

Example 1: **MP-LE1007-W-DC12-SS2**
Example 2: **MP-LE1007-R-ST12-CND-SS4-MX6**

## COMPLIANCE

RoHS compliant    CE

## CONTACT US

Contact Metaphase Technologies at **215-639-8699** or your local representative for additional details, options and customizations.