



# Model: M12-DC

M-SERIES, 12inch SURFACE MOUNT – DC<sub>input</sub>  
 Low Profile, High Lumen, Fully Integrated LED Light Fixture

Item Code	Type
Project	
Comments	Date
Prepared by	

## SPECIFICATIONS & FEATURES

**OVERVIEW** – 100,000 hour life lowers operating and virtually eliminates maintenance costs where they are typically the highest. This high performance, high lumen fixture with 4-wire SimpleNet digital dimming makes this an ideal fixture for retro-fitting high wattage incandescent or fluorescent lamps from 8 – 24 feet ceiling heights.

**WHERE TO USE** – Interior or exterior under covered surface, new construction and/or retro-fit installations where surface mount or recessed lighting is required. Install in RM, NC, IC, ICAT & Fire Rated applications.

**TYPICAL APPLICATIONS** – Commercial, industrial and hospitality applications where general illumination is required. Examples include; breezeways, corridors, atriums, theaters, ballrooms, garages, porte-cochere, warehouses & more.

**DESIGN & CONSTRUCTION** – Patented low profile planer design utilizing Light Forward Heat Forward thermal management. 100% aluminum with 40% recycled content. Fixture is recyclable. Durable powder coated finish.

**MOUNTING/INSTALLATION** – *New Construction*: mounts directly into any standard 1900 (4S) or Octagonal JBox. *Retrofit*: mounts directly into any 4" or larger recessed fixture with Silescent single or 2-piece mount kit. *Pendant*: using rigid metal conduit or equivalent into 1900 (4S) or Octagonal J-Box..

**CEILING THICKNESS** – Up to 3 inches thick (ceiling depths > 3" available as custom).

**ULTRA LOW PLENUM** – only requires the depth of installed J-Box.

**ELECTRICAL** – Low voltage input, Class 2 capable.

**DIMMING** – Digital control input using Silescent SimpleNet communications protocol and Silescent TouchControl wall switches. Custom interface capable using Silescent DCI modules. Provides smooth dimming throughout the dimming range (1 – 100%).

**ADVANCED INTELLIGENT LIGHT ENGINE** – Active thermal feedback monitors both LED & driver to protect against risk of overheating and assuring expected life.

**LISTINGS & COMPLIANCE** – UL1598 surface mount listed Canada & US (ETL label), wet location under cover ceiling. IP65 & RoHS compliant.

**WARRANTY** – 5 year limited warranty, both LED and driver. Full warranty details available at [www.silescent.com](http://www.silescent.com)

**MADE IN USA** – Both driver and fixture are designed, engineered and manufactured by Silescent Lighting in Ft. Lauderdale FL (ARRA & NAFTA compliant).



Shown with MD3 Diffuser

## OPTIONS

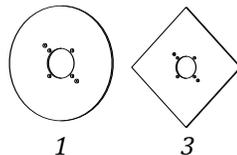
**TRIM RING STYLES** – Round-Flat, Square-Flat.

**FINISH** – Powder Coat Finish Standard. Custom plating & colors available (RAL).

**LAMP TEMPERATURES (CCT)** – 2700, 3000, 3500, 4000 & 5000 Kelvin (CRI>80). 70 & 90 CRI available upon request.

**OPTICS** – Wide area dispersion, ~170° or Narrow beam (60 degree cutoff).

**WATTAGE LEVELS** – Available in 40 watts. Custom wattages or lumen levels available upon request.



## ELECTRICAL DATA

- **Operating Temp:** -40C to +40C
- **Ambient Temp:** <35C
- **Operating Voltage:**
  - **HD3** 42 – 60VDC (48VDC Nominal)
  - **DD3** 21 – 36VDC (24VDC Nominal)
- **Rated Wattage:** 40 watts (see specified fixture photometrics)

## ORDERING INFORMATION

Sample Number: M121C01DD340MD340w

Series	Style/Size	Finish/Color	Driver	Color	Optics	Wattage Levels
M12	1	C01	DD3	40	MD3	40w
M12 - 12in Surface	1 - Round/Flat 3 - Sqr/Flat	C01 - PC-White C08 - PC-Black	DD3 - 24VDC <sub>in</sub> HD3 - 48VDC <sub>in</sub>	27 - 2700K (80CRI) 30 - 3000K (80CRI) 35 - 3500K (80CRI) 40 - 4000K (80CRI) 50 - 5000K (80CRI)	MD3 - Diffuser MR6 - 60° Cutoff	40w - 40 watts

