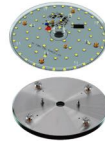




Comparison of OVERDRIVE MPLR vrs. AC Module, LED bulbs, Driver+ Module

Description



Details

**OVERDRIVE
MPLR**

**AC Module +
Plastic Cover**

**GU24/E26
LED bulbs**

**Drivers +
modules**

Performance Comparison

Lumens per wattage 3000K (Product Level) - Typical value range	80-90	80-90	80-100	90-100
Estimated Diffuser Loss (Can vary based on Diffuser type)	20%	20%	35%	20%
Lumens per watt after diffuser	64-72	64-72	52-65	72-80
Light distribution	Very good (bigger size MCPCB)	Good	Not good (Dark Patches)	Good
Lumen depreciation	Low	Low	High (due to heat)	Low
Life (Hours)	>40,000	35,000 -50,000	5,000 -10,000	35,000 -50,000
Energy Star Listed	Yes	Yes (Limited model)	Yes (Lamp only)	Yes (Limited model)
Dimming	Yes	Yes	Dim/Non Dim	Dim/Non Dim

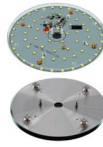
Maintenance and Assembly Comparison

Installation Method	Easy, Plug n Play	Requires an electrician	Easy, Plug n Play	Requires an electrician
Assembling Procedure at Fixture Manufacturers End	Quick (Plug n play)	Requires Time (Screw +wiring, additional parts required)	Requires Time (install Socket, Screw, Heat isolator wiring)	Requires Time (Driver, wiring and additional parts required)
Assembling Procedure at User level in old Installation	Very simple (Plug n play)	Difficult (requires Screws and re-wiring)	Very simple (Plug n play)	Difficult (requires Screws and re-wiring)
Change of colors or wattage at User level in Old installation	Easy (Plug n Play)	Difficult (Requires professional for replacement)	Easy (Plug n Play)	Difficult (Requires professional for replacement)
Flexibility in usage	Multiple use (Can be used in Torchiere, Floor Lamp, Pendant)	Very Limited	Limited	Very Limited
Heat Sink/ Additional Metal Body/ PC Cover	Complete Unit (PC Diffuser and Spring Screw mounting Included)	Requires additional Parts (heat sink or Mounting Body and PC Cover assembly)	Complete Unit	Requires Wiring and parts



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MPLR**

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Plastic Cover**

**GU24/E26
LED bulbs**

**Drivers +
modules**

Flexibility in configuration (New Model available before Q4/2017)

Intelligent,
Emergency,
Microwave
Sensor versions
available

No

Yes
(Smart Bulb)

No

Safety and Handling

Safety of user

High
(No contact or
direct contact with
Fixture Body)

Moderate (AC
module mounted
on metal Body of
fixture)

Safe

Safe
(if uses an Isolated
Driver)

Professional replacement
required

No

Yes

No

Yes

Safety in handling ESD Sensitive
LED and IC - effect life and
reliability

Completely safe
(as user cannot
touch ESD sensitive
IC or LED, covered
with PC cover)

Not Safe
(During installation
user may touch
ESD sensitive IC
and LED)

Completely
safe

Not Safe
(During installation
user may touch
ESD sensitive IC
and LED)

Cost Comparison

Initial Cost of the Product

Moderate

High

Low

Very High

Protective PC Cover

Included

Extra Cost

Not Required

Extra Cost

Mounting Plate / Heat Sink

Included

Extra Cost

Not Required

Extra Cost

Cost of additional parts for fixture
Manufacturer

Low
(No other parts
required except
Housing)

Very High
(requires Heat
sink/extra plate,
PC Cover..)

High (Requires
E26 Socket, Heat
Isolator, wires...)

High (Requires
Wiring and parts)

Fixture Assembly Cost

Low

High

High

High

Installation Cost

Low

High

Moderate

High

Maintenance Cost - replacement

Low

High

High
(short life of lamp)

High

Disclaimer: Above information is a general comparison made for internal use and based on web research of the similar products. Comparison is only for Information. Data given is subject to change.

07/2017 R03 @Overdrive