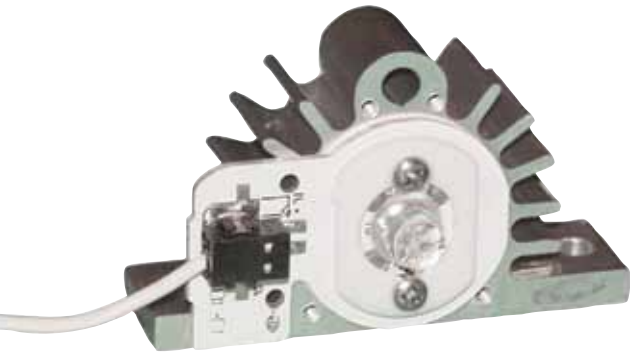


DLS

DIRECT LED LIGHTING SYSTEM



DLS DIRECT LED LIGHTING AN ENGINEERED LIGHTING SOLUTION

USHIO introduces a new direct illumination LED system that will advance LED lighting into a new realm. The high-powered LED, mounted on a printed circuit board, provides 50,000 hours of maintenance-free operation. Manufactured with a powerful high brightness LED, the DLS system can be used in as little as 3" of depth. In addition to sign retrofits and new sign illumination, the DLS's low energy consumption meets the new "energy and sustainability" demands. The DLS system is dimmable and accepts various drive currents to achieve the ideal brightness.

The DLS system is UL recognized in the Sign Accessory Manual. Its Class 2 rating is approved for damp and dry locations.

FEATURES & BENEFITS:

- Low Energy Usage
- New Sign Illumination
- Sign Illumination Retrofits to Meet New Energy & Sustainable Demands
- Replaces Fluorescent Tubes & LED Devices
- Sustainable Product – No Hazardous Materials
- Dimmable & Accepts Various Drive Currents to 'Dial-In' Desired Brightness Level
- Low Maintenance – Designed to Last 50,000 Hours
- Can Be Used in as Little as 3" of Depth

APPLICATIONS:

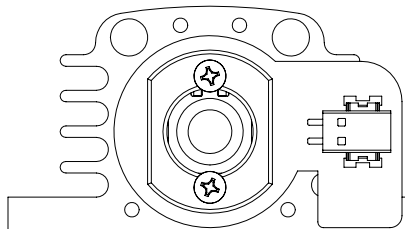
- Sign Lighting
- Architectural Lighting
- Cabinetry Lighting
- Display Cases
- Costume Lighting
- Kiosk Lighting
- Museum Lighting
- Vending Machine Lighting
- Automotive Lighting
- Marine Lighting
- Refrigeration Cabinets

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DLS DIRECT LED SYSTEM

Engine Dimensions: 2.125" Width; 1.19" Height; .75" Deep
Module Weight: 35g (1.25 oz.)



Watts (W)	Ushio Ordering Code	Ushio Lamp Description	Luminous Intensity (lm)	Forward Voltage (V)	Max DC Forward Current	Color Temp (K)	Color Spectrum	CRI	Case Qty
DLS DIRECT LED									
3.3	1003731	Direct-LED Light Engine/White	290 @ 1A	3.3V	1500mA	6500	—	75	1
3.3	1002506	Direct-LED Light Engine/Warm White	227 @ 1A	3.3V	1500mA	3000	—	80	1
1.6	1003732	Direct-LED Light Engine/Red	90 @ 0.7A	2.3V	700mA	—	620-630nm	—	1
3.5	1003733	Direct-LED Light Engine/Blue	65 @ 1A	3.5V	1000mA	—	465-480nm	—	1
3.8	1003734	Direct-LED Light Engine/Green	160 @ 1A	3.8V	1000mA	—	520-535nm	—	1
POWER SUPPLIES FOR DLS DIRECT LED									
N/A	1003794	12W 1000mA Low Volt Power Supply							1
N/A	1003735	20W 700mA Low Volt Power Supply							1
N/A	1003736	20W 1000mA Low Volt Power Supply							1
N/A	1003737	25W 700mA Low Volt Power Supply							1
N/A	1003738	25W 1040mA Low Volt Power Supply							1
N/A	1003798	40W 1050mA Low Volt Power Supply							1

Lumen Maintenance 70% @ 50,000 Hours
Max Junction Temperature 150°C

Certifications: RoHS Compliant, UL recognized in the sign accessories manual

Power Supply: 12-40V Constant current drivers (class 2)

Fastening: Mechanical or Adhesive



Scan with a smartphone to view this product online.



Light Engines Proudly
Made in USA



UL Recognized for damp locations in US and Canada

Form No. S-DLSLED/R-0613: The specifications on this sheet supercede all previously published specifications and may be subject to change for design and specification improvement without prior notice.

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