

SmartLight™ LED Dome Lighting

DPI CL2040 LED Dome Cabin and Emergency Lighting



DPI CL2040 Dome Lighting

- » **High Brightness**
- » **Low Heat and Low Power Consumption**
- » **No Flicker - Studio Grade Lighting**
- » **50,000 Hour Life Cycle**
- » **Dimmable**
- » **Supports Multi-Color Scenes**
- » **Front Loadable**
- » **Plated to Match Interior**
- » **Built-In FAA Approved Emergency Lighting**
- » **Tactical Options**
- » **May Replace Almost Any Legacy Lighting Unit**

The Most Flexible and Feature-Rich Dome Light Available.

DPI Labs' line of SmartLight™ LED fixtures are purposely designed for each unique type of application providing e.g. wash, overhead, reading, area, mood and accent for optimal balance of performance, weight, size, reliability, ease of maintenance and energy efficiency.

DPI's CL2040 Dome Lighting was designed to be highly versatile and functional. With it's front-loadable design these dome lights are easy to install, inspect and service without having to remove the headliner or passenger service unit.

The CL2040 features three high-quality LEDs and a wide voltage input range (5V-28V) and dimming to be able support multi-color scene lighting for cabin comfort and elegance.

DPI's dome lights all have a built-in circuit that allows the units to be used as FAA-approved (FAR § 25.812) 6V emergency cabin lighting.

CL2040 dome lights are also available in NVIS and red-light tactical options that allows the lighting to be used for special missions. All CL2040s have special circuitry to ensure no SPOF resulting in white light leakage or flash.



LED Lighting



General Specifications

Electrical

Input Voltage (VDC) 28 VDC
Emergency Lighting Uses 6-28 VDC

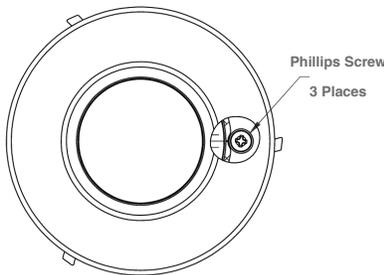
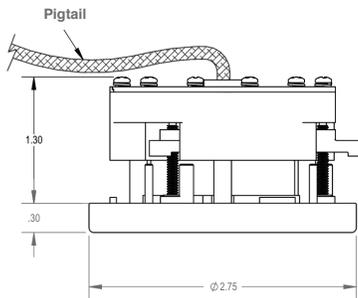
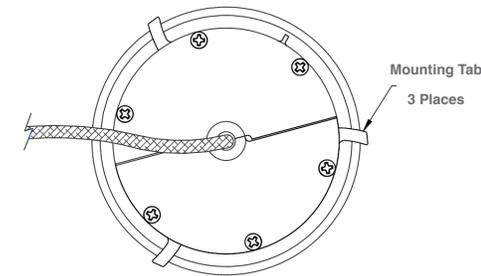
Input Power White 5.0W Red 2.0W Emergency 1.8W

Dimming Options 28 VDC Trip Pot and PWM

Physical

Connector Types Molex and TE Connectivity Connectors

Weight 5.0 - 6.2 OZ depending on PN



Part Number Guide

Dash Number	Pigtail Length	Dimming	Primary Color	Secondary Color	Emergency Light
-01	11.0"	Continuous	White	Red	Yes
-02	11.0"	Continuous	White	None	Yes
-03	8.0"	Continuous	White	Red	Yes
-04	8.0"	Continuous	White	None	Yes
-05	8.0"	Continuous to Off	White	None	Yes
-06	8.0"	Continuous to Off	White	Warm White	Yes
-23	8.0"	Continuous	White	Red	Yes
-24	8.0"	Continuous	White	None	Yes
-25	8.0"	Continuous to Off	White	None	Yes
-26	8.0"	Continuous to Off	White	Warm White	Yes
-33	12.0"	Continuous	White	Red	Yes
-34	12.0"	Continuous	White	None	Yes
-35	12.0"	Continuous to Off	White	None	Yes
-36	12.0"	Continuous to Off	White	Warm White	Yes
-43	12.0"	Continuous	White	Red	Yes
-44	12.0"	Continuous	White	None	Yes
-45	12.0"	Continuous to Off	White	None	Yes
-46	12.0"	Continuous to Off	White	Warm White	Yes

About DPI Lab's SmartLink™ Cabin Management System



SmartLink™ is the industry's most advanced system architecture for integrated cabin management of aircraft cabin lighting, audio/visual components, entertainment systems, and comfort control.

Based on an RS-485 / C-Can data bus, Smartlink offers incomparable performance and flexibility for the particular requirements of private, business, commercial military and VVIP aircraft.



For Sales, Product Support, or Dealership inquiries, please call **909.392.5777** to speak with a **DPI** Representative.

➤ Visit us at dpilabs.com