



Lighting Sciences, Inc.  
UL Verification Services  
7826 E. Evans Rd.  
Scottsdale, Arizona 85260 USA  
P: 480-991-9260 F: 480-991-0375  
[lsi@ul.com](mailto:lsi@ul.com)



[www.lightingsciences.com](http://www.lightingsciences.com)

---

**INDEPENDENT TEST LABORATORY REPORT No. 31906**

**Description:**

OPTOLUM INC - LED DOWN LIGHT, CAT# DL HO 25  
WITH WHITE INTERIOR AND FROSTED PLASTIC FOCUSING LENSES  
FOUR LEDS. LUMINAIRE OUTPUT = 340 LMS.  
ONE HIGH PERFECTION LP1013-24 DRIVER OPERATING AT 120 VAC AND 5.85 WATTS

**The sample(s) was(were) tested in accordance with the following applied standards/regulations:**

ANSI/UL 1598-2008 Luminaires: In-Situ Temperature Measurement Test (ISTMT)

**Prepared for:**

OPTOLUM  
TEMPE, AZ

**Approved by:**

RYDER TUNNEY

STAFF ENGINEER

JUL 11, 2013

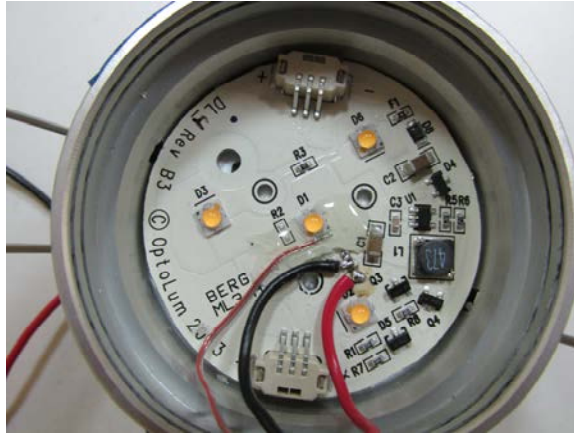
*This report shall not be reproduced except in full without the written approval of the laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products.*

LIGHTING SCIENCES, INC.  
7826 E. EVANS RD.  
SCOTTSDALE, AZ, USA 85260

INDEPENDENT TEST LABORATORY REPORT No. 31906

OPTOLUM INC - LED DOWN LIGHT, CAT# DL HO 25  
WITH WHITE INTERIOR AND FROSTED PLASTIC FOCUSING LENSES  
ONE HIGH PERFECTION LP1013-24 DRIVER OPERATING AT 120 VAC AND 5.85 WATTS

LED Thermocouple Location



Driver Thermocouple Location



Test Temperature: 25.0 °C  
LED Temperature: 53.0 °C  
Driver Temperature: 38.3 °C  
Maximum LED Current: 345 mA

Temperatures are offset to an ambient temperature of 25°C as described in UL1598-2008