Liteline

Job Information		
Project Name		Type
Location		
Quantity		Date
Contact/Phone		
Notes		

LUNA DMX

4" Regressed Gimbal, RGB + Tunable White, DMX, 910 Lumens, 12W

Recessed Downlighting

Features

Body & Construction
Durable airtight aluminum body with adjustable regressed gimbal. Includes anodized blue heat sink for maximum airflow around the LED module. Two spring-loaded clips attach to any ceiling material. Suitable for wet locations, direct contact with insulation, and indoor/outdoor applications.

DMX/RDM Control
Full DMX512/1990 and RDM/2009 protocol compliance. The integrated 5-channel constant current DMX decoder enables precise, per-channel intensity control across all RGB + Tunable White channels – including independent brightness and colour temperature adjustment. Factory default DMX address: 001.

Integrated Decoder – No External Driver Required
The luminaire includes a built-in 5-channel constant current DMX decoder housed in an extruded aluminum hardwire box.
NOTE: A 48V non-dimmable constant voltage power supply is required and provided by others.

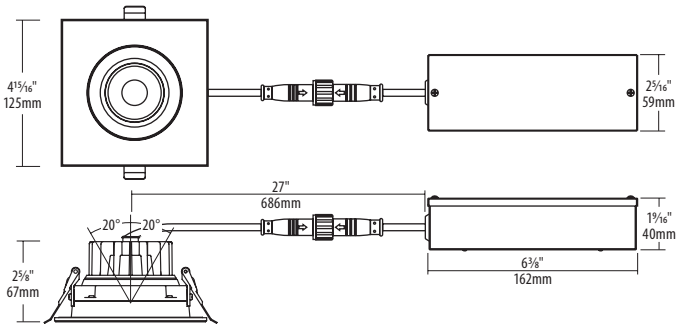
CCT Mode
When CCT Mode is enabled (ON) via the on-device OLED menu, Channel 4 controls overall brightness and Channel 5 controls tunable white (2200 K-6000 K), allowing direct scene customization without requiring a separate controller channel map.

8-Bit Dimming Resolution
Dimming resolution supports 8-bit (256 steps) for smooth, flicker-free dimming from 100% to 1%.

Broad Control System Compatibility
Compatible with leading DMX control ecosystems including Crestron, Control4, Savant, Josh.ai, and Vantage – enabling seamless integration into residential and commercial smart lighting environments.

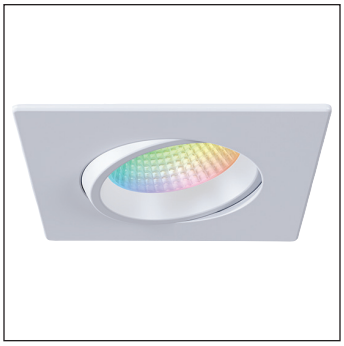
Quick Connect Wiring
The DMX decoder has a removable block connector for simplified power and DMX control field wiring.

Minimum Starting Temperature
-20°C (-4°F)



SPECIFICATION	
Application	Ceiling Recess Mount
Approved Location	Wet / Insulated Ceilings / Indoor / Outdoor
Beam Angle	40°
Color	RGB, 16M Colors
CCT	Tunable White (2200 K - 6000 K)
Certification	cETLus
Class II	Yes
CRI	90
Dimming	Yes – DMX Control (100-1%)
Dimming Resolution	8-bit
Energy Star	No
Finish	BK / WH
Hole Cut	Ø 4¼" (108mm)
Input	48V DC (non-dimmable, provided by others)
Lumens	Up to 910
Lumens per Watt	Up to 74
Power Factor	0.9
Projected Life	70% @ 50,000 hrs
Warranty	5-Year
Wattage	12W

CCT	Lumens
2200 K	650
2700 K	710
3000 K	750
3500 K	775
4000 K	800
5000 K	850
6000 K	910



Description

Evolved to be a flexible, low-glare, and aesthetically pleasing luminaire, the LUNA DMX offers contractors, builders, homeowners and designers, a fixture with regressed optics, RGB + Tunable White and DMX control abilities, to promote on-site flexibility, while enhancing sleek, directional lighting in both commercial and residential spaces.

IC RATED · AIR TIGHT · WET LOCATION ENDROITS MOUILLÉS · LED 5 YEAR WARRANTY

Notes: Accessories are sold separately. For additional options please consult your Liteline representative.
Due to our continued efforts to improve our products, product specifications are subject to change without notice.

Ordering Guide

RA4S-12RG-D-RGBTW- [Trim Finish]

WH : White
BK : Black

QUICKSHIP 7-DAY

QuickShip : In-Stock products ship within 7 business days of an order being released. Lead time may vary for orders greater than 100 pieces. No additional shipment rates apply. Subject to availability.

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Installation Notes

1. This luminaire requires a 48V DC non-dimmable voltage power supply, provided by others.
2. Connect DMX/RDM signal input/output to the DMX controller daisy-chain capable, see install instructions.
3. Do not overload. Verify all wiring before commissioning.
4. Install DMX Decoder in a dry, ventilated environment.
5. Accessories are sold separately. Consult your Liteline representative for additional options.

Accessories



P-4020
4¼" Round pre-mounting plate with driver attachment clip, for 4" LUNA LED fixtures.



P-4020NC
4¼" Round new construction plate with driver attachment clip, for 4" LUNA LED fixtures.



P-NCMK-1
New construction mounting kit. Includes hanger bars, brackets and screws.



SLM-60-RGBTW-FC
60" Flexible connector, for use with SlimLED, Skye and LUNA OnCloud RGBTW fixtures. 5 Extensions max can be connected together.

VBE-1
Vapour barrier extender. For use in new construction applications.



VBE-2
Vapour barrier extender. For use in remodel applications.



VBE-5
Vapour barrier extender. For use in new construction applications.



HWB-UWP100-1M48V
Non-dimming LED hardwire box with 5-channel connector, 48V, 100W.

Wiring Diagrams

