



## Press Release Quick Tips

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### VCC Delivers Low-profile Button Type Lens Assemblies for Heavy-duty Panel Solutions

**Distribution Date:** September 3, 2014

**Product Name:** CMS 442 Series and HMS 462 Series

**Product Description:** The CMS 442 and HMS 462 Series are NEMA 4-rated, low-profile button type lens assemblies designed not only to meet the needs of all indoor indication lighting applications, but also harsh environments.

**Key Markets/Applications:**

- Automotive
- Aerospace
- Industrial
- Instrumentation
- Medical
- Military
- Mining
- Outdoor
- Safety
- Transportation
- White Goods

**Key Benefits:**

- Low profile design provides smooth, clean look with a convex surface protruding just above the panel
- Enhances light output by reducing the ambient light effect on the lens
- Patented VCC diffusion ring technology provides a viewing angle of 180°
- Features unique spiral mating threads that offer a superior mounting system
- Moisture-sealed protection for harsh environment applications
- Exceeds all test criteria for NEMA 4 and beyond (water seal depths down to 100m; shock up to 6Gs; vibration up to 6 Gs from 0 to 2000Hz; temperature cycling from -40°C to +105°C; UV resistance; dust sealing; ice encasement)
- Simplified installation/removal for assembly or repair

**Product Specifications:**

- CMS 442 is used for 5mm LED applications with a .312" (7.92mm) diameter mounting hole
- HMS 462 is a 10mm LED solution with a .562" (16.56mm) diameter mounting hole 5mm thread

**Datasheet:**

CMS 442 lens assembly

<http://vcclite.com/pdf/CMS-442-5mm-fresnel-watertight-drawing.pdf>

HMS 462 lens assembly

<http://www.vcclite.com/pdf/HMS-462-10mm-fresnel-watertight-drawing.pdf>

**Application note**

<http://vcclite.com/pdf/VCC%20Cummings%20Design%20Win%20.pdf>

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For additional information about VCC, please visit [www.vcclite.com](http://www.vcclite.com)

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