



\* LUMINAIRE: DMS50-55W48LED4K-G3-LE3F-120-277-HS-GN6TX

\* OR APPROVED EQUAL

\*\* OR CURRENT WATTAGE REPLACING 65W

#### DESCRIPTION OF COMPONENTS:

**HOOD:** A DIE CAST A360.1 ALUMINUM DOME COMPLETE WITH CAST-IN TECHNICAL RING WITH LATCH AND HINGE. THE MECHANISM SHALL OFFER TOOLFREE ACCESS TO THE INSIDE OF THE LUMINAIRE. AN EMBEDDED MEMORY-RETENTIVE GASKET SHALL ENSURE WATER-PROOFING.

**SKIRT:** A DIE CAST A360 ALUMINUM SKIRT COMPLETE WITH A CAST-IN TECHNICAL RING.

**HOUSING:** IN A ROUND SHAPE, THIS HOUSING IS MADE OF CAST 356 ALUMINUM, C/W A WATERTIGHT GROMMET, MECHANICALLY ASSEMBLED TO THE BRACKET WITH FOUR BOLTS 3/-16 UNC. THIS SUSPENSION SYSTEM PERMITS FOR A FULL ROTATION OF THE LUMINAIRE IN 90 DEGREE INCREMENTS.

**LIGHT ENGINE:** LIFELED COMPOSED OF 5 MAIN COMPONENTS. ELECTRICAL COMPONENTS ARE ROSH COMPLIANT.

1. LENS: MADE OF SODA-LIME CLEAR TEMPERED GLASS, MECHANICALLY ASSEMBLED AND SEALED ONTO THE LOWER PART OF THE HEAT SINK.
2. LAMP: PHILIPS LUMILEDS REBEL ES. COMPOSED OF 49 HIGH-PERFORMANCE WHITE LEDS, 65W LAMP WATTAGE. COLOR TEMPERATURE OF 4000 KELVIN NOMINAL, 70 CRI. OPERATING LIFESPAN AFTER WHICH THE SYSTEM EMITS 70% OF ITS ORIGINAL LUMEN OUTPUT, ALL OF THOSE PARAMETERS ARE TESTED FOR 100% OF LIGHT ENGINES. USE OF A METAL CORE BOARD ENSURES GREATER HEAT TRANSFER AND LONGER LIFESPAN OF THE LIGHT ENGINE.
3. OPTICAL SYSTEM: (LE3F), I.E.S. TYPE III (ASYMMETRICAL). COMPOSED OF HIGH- PERFORMANCE COLLIMATORS, OPTIMIZED WITH VARYING BEAN ANGLES TO ACHIEVE DESIRED DISTRIBUTION. SYSTEM IS RATED IP66. PERFORMANCE SHALL BE TESTED PER LM63 AND LM 79 (IENSA) CERTIFYING ITS PHOTOMETRIC PERFORMANCE. STREET-SIDE INDICATED.



CITY OF GIG HARBOR  
ENGINEERING DIVISION

**LUMEC 5566 (MIN.)  
LUMEN 15 FT POLE  
LED LUMINAIRE HEAD**

DETAIL NO.

**2-34**

APPROVED FOR PUBLICATION \_\_\_\_\_  
CITY ENGINEER \_\_\_\_\_

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