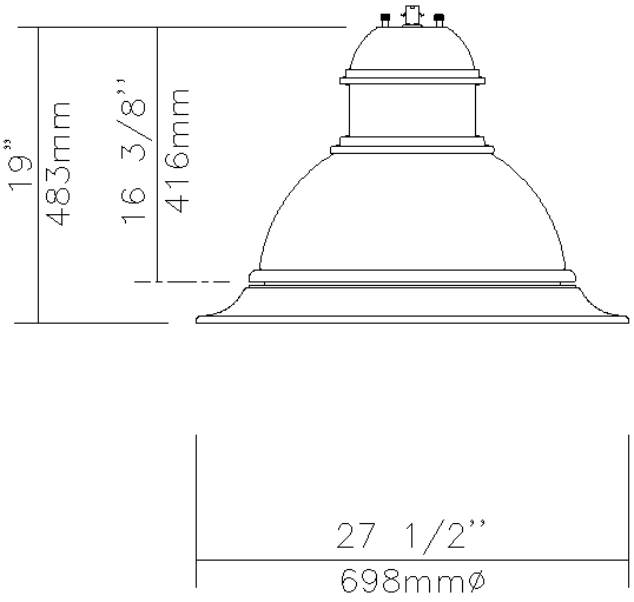
Specification



EPA: 1.42 sq ft / weight: 42 lb (19.09 kg)
Note: 3D image may not represent color or option selected.
Logos above include link, click to access.

Qty **1** Luminaire **DMS50-135W80LED4K-ES-LE3F-VOLT-GN8TX**

Description of Components:

Hood: A die cast A360.1 aluminum dome complete with a 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 weatherproofing.

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 3/8-16 UNC. This suspension system permits for a full rotation of the luminaire in 90 degree increments.

Light Engine: LEDgine composed of 4 main components: **LED lamp / Optical System / Heat Sink / Driver**
Electrical components are RoHS compliant.

Lens: Made of soda-lime clear tempered glass lens, mechanically assembled and sealed onto the lower part of the heat sink.

Lamp: *(Included)*, Lamp type Philips Lumileds Rebel ES. Composed of 80 high-performance white LEDs, 135w lamp wattage. Color temperature of 4000 Kelvin nominal, 70 CRI. Operating lifespan based on LM80 results after which 50% still emits over 70% (L70) of its original lumen output. Use of a metal core board insures greater heat transfer and longer lifespan of the light engine. The LED circuit board is included with a connector, (no connection wire required for ease of replacement).

Optical System: (LE3F), I.E.S type III (asymmetrical). Composed of high-performance acrylic refractors lenses to achieve desired distribution optimized to get maximum spacing, target lumen's and a perfect lighting uniformity. System is rated IP66. Performance shall be tested per LM63 and LM79 and TM15 (IESNA) certifying its photometric performance.

Heat Sink: Heat Sink: Made of die cast A360 aluminum optimising the LEDs efficiency and life, complete with a cast in skirt and technical ring. Product does not use any cooling device with moving parts (only passive cooling device)

Driver: High power factor of 95%. Electronic driver, operating range 50-60 Hz. **Auto-adjusting to a voltage between 120 and 277 volt AC rated for both application line to line or line to neutral, Class I**, THD of 20% max. Maximum ambient operating temperature from -40F(-40C) to 130F(55C) degrees. Certified in compliance to cULus requirement. Dry and damp location. Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221F(105C) degrees.

The current supplying the LEDs will be reduced by the driver if the internal temperature exceeds 176F(80C), as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction.

Surge Protector: LED Driver 3 poles 10KV surge Protectors that protect Line-Ground, Line-Neutral, and Neutral-Ground in accordance with IEEE / ANSI C62.41.2 guidelines.

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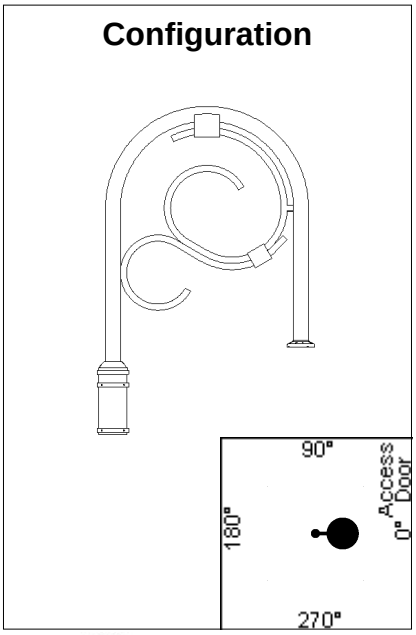
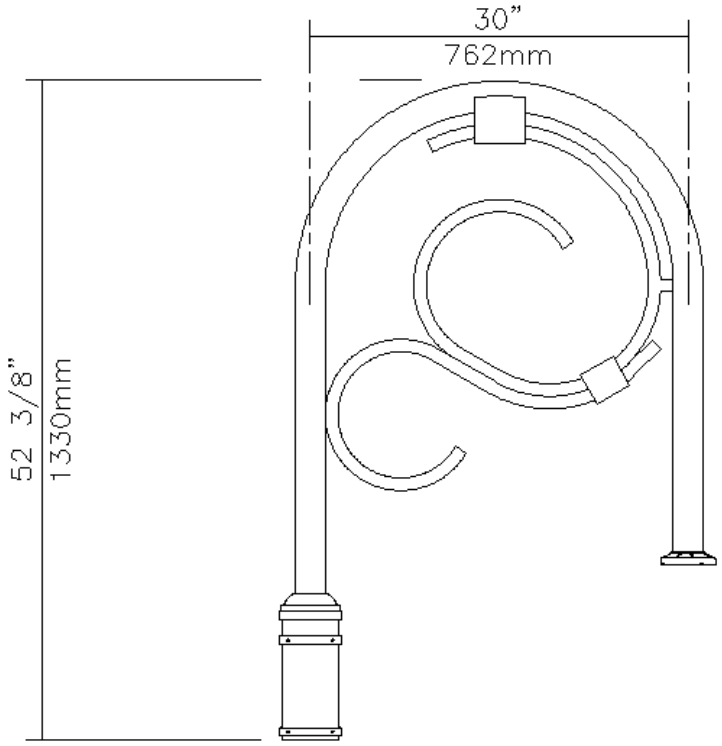
Specification

Configuration





Qty **1** Bracket **NM-1A-GN8TX**

Description of Components:

Arm: Shall be made from bent 6061-T6 aluminum tubing, 2 3/8" (60mm) outside diameter, welded.

Decorative Element: Made of cast 356 aluminum, welded.

Adaptor: Made of cast 356 aluminum. **Slip-fits on a 4" (102mm) outside diameter x 9" (229mm) long tenon.** Mechanically fastened by two sets of four set-screws at 90 degrees around the bracket.

Miscellaneous

Description of Components:

Wiring: Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding the bracket.

Hardware: All exposed screws shall be stainless steel with Ceramic primer-seal basecoat to reduce seizing of the parts. All seals and sealing devices are made and/or lined with EPDM and/or silicone.

Finish: Color to be **dark forest green textured (GN8TX)** and in accordance with the AAMA 2603 standard. Application of a polyester power coat paint (4 mils/100 microns) with ± 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D 2244 standard, as well as luster retention in keeping with the ASTM D 523 standard and humidity proof in accordance with the ASTM-D2247 standard.

The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with the tests performed and the ASTM-B117 standard.

Note: ***IMPORTANT: All missing details must be clearly specified on the return of these approval drawings. Thank you for your cooperation.***

VOLTAGE:_____

Pole Information: This bracket is **available for a 4"(102mm), 5"(127mm) or 5 9/16" (141mm) Outside Diameter** pole or tenon.
Please specify **diameter required:** _____
.

LED products manufacturing standard: The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality Control: The manufacturer must provide a written confirmation of its ISO 9001-2008 and ISO 14001-2004 International Quality Standards Certification.

Web site information details: Click on any specific information details you need:

Paint finish / Warranties / Installation pictures / ISO 9001-2008 Certification / ISO 14001-2004 Certification

Lamp technical information for DMS50 DMS55

LED = Philips Lumileds Rebel ES, CRI = 70, CCT = 4000K (+/- 350K)

System (LED + driver) rated life = 100,000 hrs [1]

Lamp	Typical delivered lumens [2]		Typical lamp wattage (W)	Typical system wattage [3] (W)	Typical current @ 120 V (A)	Typical current @ 240 V (A)	Typical current @ 277 V (A)	LED current (mA)	HPS equivalent [4]	Luminaire Efficacy Rating (Lm/W)
	Flat lens	Sag lens								
70W64LED4K-ES	6470	6680	70	86	0.72	0.36	0.31	350	100 W	78
110W64LED4K-ES	9170	9460	110	135	1.13	0.56	0.49	530	200 W	70
90W80LED4K-ES	8200	8450	90	95	0.79	0.40	0.34	350	150 W	89
135W80LED4K-ES	11600	12000	135	138	1.15	0.58	0.50	530	250 W	87

[1] L70 = 100,000 hrs (at ambient temperature= 25°C and forward current = 700 mA)

[2] May vary depending on the optical distribution used

[3] System wattage includes the lamp and the LED driver.

[4] Compared to Domus (equivalence should always be confirmed by a photometric layout)

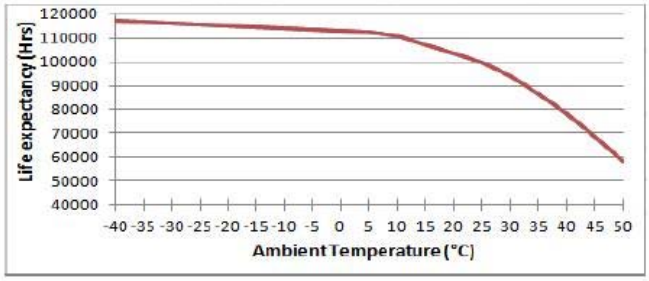
Photometric tests are done at 25°C ambient (as requested by LM-79). If our product is used at a different ambient temperature (nightime average), you can multiply the lumens by the percentage below.

Ambient (°C)	-20	-10	0	5	10	15	20	25
% Flux	105.8	105.1	104.2	103.8	102.8	101.9	101	100

As 4000K is our standard , photometric tests are only done with this CCT. If you want to use another CCT (6000K or 3000K) you can multiply the lumens by the percentage below.

CCT (K)	6000	4000	3000
% Flux	100	100	59.28

Life expectancy vs ambient temperature (@ 700 mA)



Note : Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of Philips.

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