



The **Domus Series** of products – **Domus**, **Domus 55**, and **Domus Small** – are all designed to complement each other and bring balance to any environment. Their charm is undeniable. Simplicity, refinement, and elegance, all fuse together to create harmonious beauty through designed equilibrium.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Ordering guide

example: DOS-30W16LED4K-T-LE4F-240-HS-DALI -DBA-1A-BKTX

Prefix	Lamp or LED	Lamp Type	Optical System	Ballast	Luminaire Options	Driver Options	Adaptor	Mounting	Configuration	Pole*	Finish
DOS		T									
DOS Domus Small LED	24W16LED4K	T	LE2F Type 2	120 120V	HS House Side Shield SP2 Surge Protection, 20KV 20KA 120-277	AST Adjustable Start Time CLO Constant Light Output DALI Digitally Addressable Lighting Interface Dynadimmer OTL Over The Life CDMGP Dimming Level determined by user Economy Profile CDMGE25 CDMGE50 CDMGE75 Median Profile CDMGM25 CDMGM50 CDMGM75 Safety Profile CDMGS25 CDMGS50 CDMGS75	MAS Adaptor for an existing mounting supplied by others for 1-1/4 NPT nipple	DBA DBB DBC DBF	1A 2 M	BE2TX Textured Midnight Blue BE6TX Textured Ocean Blue BE8TX Textured Royal Blue BG2TX Textured Sandstone BKTX Textured Black BRTX Textured Bronze GN4TX Textured Blue Green GN6TX Textured Forest Green GN8TX Textured Dark Forest Green GNTX Textured Green GR Gray Sandtex GY3TX Textured Medium Grey NP Natural Aluminum RD2TX Textured Burgundy RD4TX Textured Scarlet TG Hammertone Gold TS Hammertone Silver WHTX Textured White	
	30W16LED4K		LE3F Type 3	208 208V							
	35W32LED4K		LE4F Type 4	240 240V							
	55W32LED4K		LE5F¹ Type 5	277 277V							
	24W16LED3K										
	30W16LED3K										
	35W32LED3K										
	55W32LED3K										

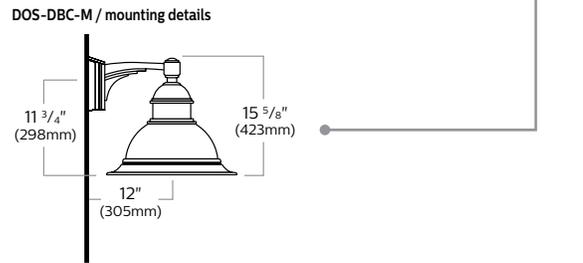
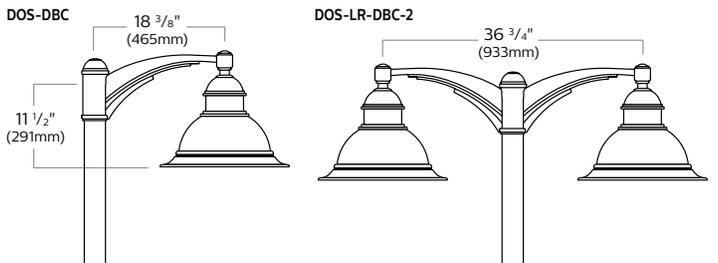
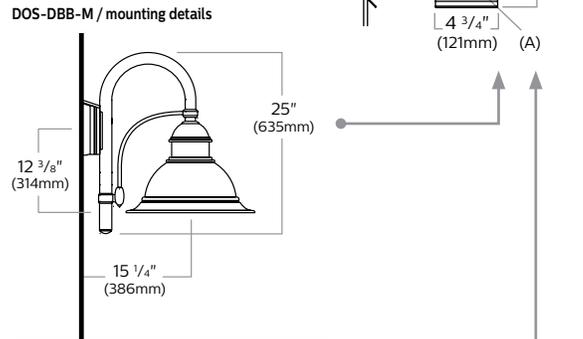
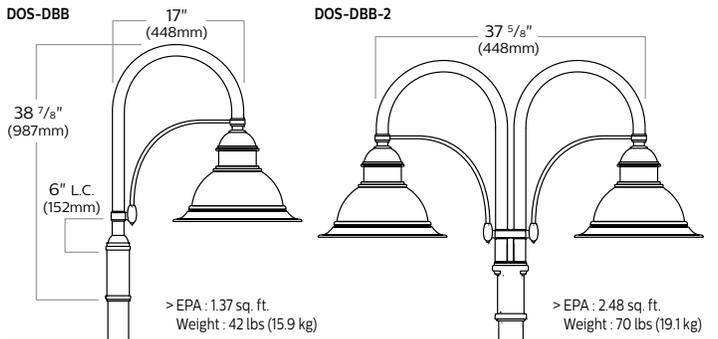
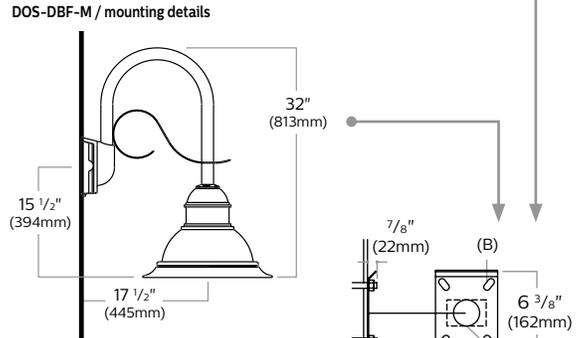
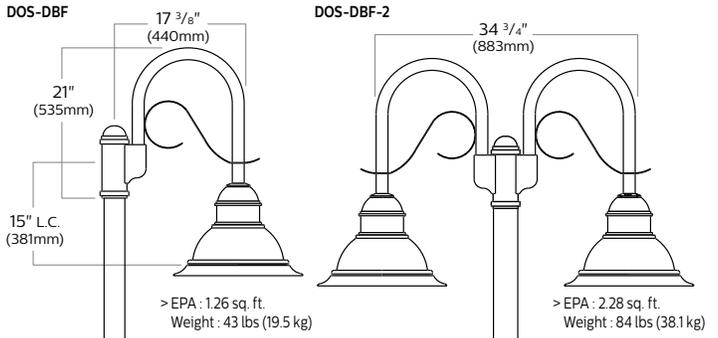
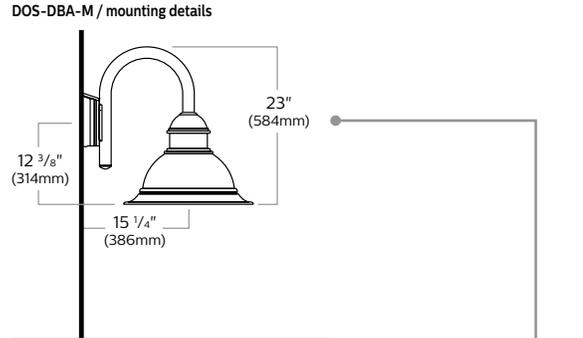
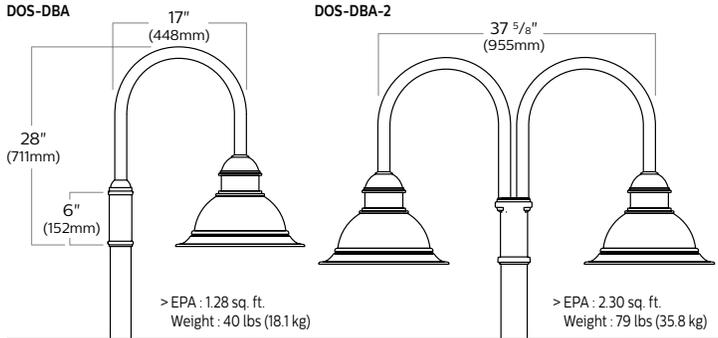
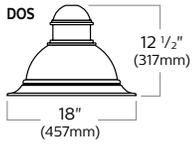
* Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets.

1. Not available with HS option.

DOS Domus Small

Urban Luminaire

Dimensions (DBA, DBF, DBB & DBC)



DOS Domus Small

Urban Luminaire

Specifications

Housing

In a round shape, this housing is made of die cast A380 aluminum, c/w a watertight grommet, mechanically assembled to the bracket with four bolts 5/16 18 UNC. This suspension system permits for a full rotation of the luminaire in 90° increments.

Access Mechanism

A die cast A360 aluminum technical ring with latch, hinge and a cast in decorative skirt. The mechanism shall offer tool free access to the inside of the luminaire. An embedded memory retentive gasket shall ensure weatherproofing.

Lens

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

Light Engine

LED engine composed of 5 main components: Heat Sink / Lens / LED lamp / Optical System / Driver. Electrical components are RoHS compliant.

LED Module

LED type Lumileds LUXEON T. Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K) or Warm White, 3000 Kelvin nominal (3045K +/- 175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

Heat Sink

Made of cast aluminum optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Optical System

Composed of high performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66. Performance shall be tested per LM 63, LM 79 and TM 15 (IESNA) certifying its photometric performance. Street side indicated. Dark Sky compliant with 0% uplight and U0 per IESNA TM 15.

Driver

Driver comes standard with dimming compatible 0-10V. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC 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 UL1310 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 driver experiences internal overheating 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. Standard built in driver surge protection of 2.5kV (min).

Driver Options

AST: Pre-set driver for progressive start-up of the LED module(s) to optimize energy management and enhance visual comfort at start-up.

CLO: Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the LED module.

DALI: Pre-set driver compatible with the DALI control system.

OTL: Pre-set driver to signal end of life of the LED module(s) for better fixture management.

CDMG: Dynadimmer standard dimming functionalities including pre-programmed scenarios to suit many applications and needs from safety to maximum energy savings.

Ordering code	Scenario	Dimming time	Dimming power level
CDMG525	Safety	4 hours	25%
CDMG550	Safety	4 hours	50%
CDMG575	Safety	4 hours	75%
CDMG25	Median	6 hours	25%
CDMG50	Median	6 hours	50%
CDMG75	Median	6 hours	75%
CDMGE25	Economy	8 hours	25%
CDMGE50	Economy	8 hours	50%
CDMGE75	Economy	8 hours	75%

Surge Protection

Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA.

Wiring

Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding from luminaire.

Hardware

All exposed screws shall be complete with Ceramic primer seal basecoat to reduce seizing of the parts and offers a high resistance to corrosion. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, System Reliability Tool, Advance data and Lumileds LM-80/TM-21 data, expected to reach 100,000 + hours with >L70 lumen maintenance @ 25°C. Luminaire Useful Life accounts for LED lumen maintenance AND all of these additional factors including: LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion. Entire luminaire is rated for operation in ambient temperature of -40°C / -40°F up to +35°C / +95°F.

Finish

In accordance with the AAMA 2603 standard. Application of polyester powder 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 D2244 standard, as well as luster retention in keeping with the ASTM D523 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 testing performed and per ASTM B117 standard.

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.

Vibration Resistance

Meets the ANSI C136.31 2001, American National Standard for Roadway Luminaire Vibration specifications for normal applications. (Tested for 1.5G over 100,000 cycles by an independent lab).

Certifications and Compliance

CSA, cULus Listed for Canada and USA

DOS Domus Small

Urban Luminaire

LED light engine technical information for DOS

LED = Lumileds Luxeon T, CRI = 70, CCT = 3000K (3045K +/- 175K or 2870K to 3220K), System (LED + driver) rated life = 100,000 hrs¹

LED Module	Typical delivered lumens	Typical system wattage ²	Typical current				LED current	HID Replacement ³	Luminaire Efficacy Rating (Lm/W)	BUG rating
			@ 120V	@ 208V	@ 240V	@ 277V				
24W16LED3K-T-LE2F	2277	29	0.25	0.15	0.13	0.12	530	70-100	79	B1-U0-G0
24W16LED3K-T-LE3F	2181	29	0.25	0.15	0.13	0.12	530	70-100	76	B1-U0-G0
24W16LED3K-T-LE4F	2132	29	0.25	0.15	0.13	0.12	530	70-100	74	B1-U0-G1
24W16LED3K-T-LE5F	2042	29	0.25	0.15	0.13	0.12	530	70-100	71	B2-U0-G0
30W16LED3K-T-LE2F	2865	38	0.32	0.19	0.17	0.15	700	70-100	76	B1-U0-G1
30W16LED3K-T-LE3F	2744	38	0.32	0.19	0.17	0.15	700	70-100	73	B1-U0-G1
30W16LED3K-T-LE4F	2683	38	0.32	0.19	0.17	0.15	700	70-100	71	B1-U0-G1
30W16LED3K-T-LE5F	2546	38	0.32	0.19	0.17	0.15	700	70-100	68	B2-U0-G1
35W32LED3K-T-LE2F	3113	36	0.31	0.19	0.17	0.16	350	70-100	87	B1-U0-G1
35W32LED3K-T-LE3F	2982	36	0.31	0.19	0.17	0.16	350	70-100	83	B1-U0-G1
35W32LED3K-T-LE4F	2915	36	0.31	0.19	0.17	0.16	350	70-100	82	B1-U0-G1
35W32LED3K-T-LE5F	2766	36	0.31	0.19	0.17	0.16	350	70-100	77	B2-U0-G1
55W32LED3K-T-LE2F	4515	53	0.47	0.27	0.24	0.22	530	100-150	85	B1-U0-G1
55W32LED3K-T-LE3F	4325	54	0.47	0.27	0.24	0.22	530	100-150	80	B1-U0-G1
55W32LED3K-T-LE4F	4228	54	0.47	0.27	0.24	0.22	530	100-150	79	B1-U0-G1
55W32LED3K-T-LE5F	4013	54	0.47	0.27	0.24	0.22	530	100-150	74	B3-U0-G1

LED = Lumileds Luxeon T, CRI = 70, CCT = 4000K (3985K +/- 275K or 3710K to 4260K), System (LED + driver) rated life = 100,000 hrs¹

LED Module	Typical delivered lumens	Typical system wattage ²	Typical current				LED current	HID Replacement ³	Luminaire Efficacy Rating (Lm/W)	BUG rating
			@ 120V	@ 208V	@ 240V	@ 277V				
24W16LED4K-T-LE2F	2596	29	0.25	0.15	0.13	0.12	530	70-100	91	B1-U0-G1
24W16LED4K-T-LE3F	2487	29	0.25	0.15	0.13	0.12	530	70-100	87	B1-U0-G0
24W16LED4K-T-LE4F	2431	29	0.25	0.15	0.13	0.12	530	70-100	85	B1-U0-G1
24W16LED4K-T-LE5F	2333	29	0.25	0.15	0.13	0.12	530	70-100	81	B2-U0-G0
30W16LED4K-T-LE2F	3267	38	0.32	0.19	0.17	0.15	700	70-100	87	B1-U0-G1
30W16LED4K-T-LE3F	3129	38	0.32	0.19	0.17	0.15	700	70-100	83	B1-U0-G1
30W16LED4K-T-LE4F	3059	38	0.32	0.19	0.17	0.15	700	70-100	81	B1-U0-G1
30W16LED4K-T-LE5F	2903	38	0.32	0.19	0.17	0.15	700	70-100	77	B2-U0-G1
35W32LED4K-T-LE2F	3550	36	0.31	0.19	0.17	0.16	350	70-100	99	B1-U0-G1
35W32LED4K-T-LE3F	3400	36	0.31	0.19	0.17	0.16	350	70-100	95	B1-U0-G1
35W32LED4K-T-LE4F	3324	36	0.31	0.19	0.17	0.16	350	70-100	93	B1-U0-G1
35W32LED4K-T-LE5F	3155	36	0.31	0.19	0.17	0.16	350	70-100	88	B2-U0-G1
55W32LED4K-T-LE2F	5149	53	0.47	0.27	0.24	0.22	530	100-150	96	B1-U0-G1
55W32LED4K-T-LE3F	4932	54	0.47	0.27	0.24	0.22	530	100-150	91	B1-U0-G1
55W32LED4K-T-LE4F	4822	54	0.47	0.27	0.24	0.22	530	100-150	90	B1-U0-G1
55W32LED4K-T-LE5F	4576	54	0.47	0.27	0.24	0.22	530	100-150	85	B3-U0-G1

1. L70 = 100,000 hrs (at ambient temperature = 25°C).
2. System wattage or total luminaire wattage includes the LED module and the LED driver.
3. These guidelines show typical replacements for the HID wattage ranges shown. Replacements should always be confirmed with a photometric layout.

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

