

CITY OF SANDY SPRINGS

GDOT MAINLINE NORTHRIDGE/SR 400

ROADWAY/BRIDGE LUMINAIRE

LUMEC CATALOG NUMBER: DMS50-135W80LED4K-ES-LEF3-MJ-1A-GN8/TX



LEDGINE



Some luminaires of this series are IDA (International Dark-Sky Association) approved.



DMS60-SHA

DMS50-SG-LM

DMS50-SHA-NM

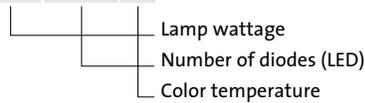
DMS50-SG-LD-MM

DOMUS SERIES

Designed Equilibrium / 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. >>

LAMPS / LED

LAMP CODE DEFINITION / 40W 49LED 4K



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

LED rated life = 100,000 hrs¹ - Driver rated life = 50,000 hrs

POWERED BY LifeLED™	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	PRISMATIC GLOBE								FLAT LENS	SAG LENS	PRISMATIC GLOBE
	40W49LED4K-ES	4025	4070	3550	42	47	0.39	0.20	0.17	285	100 W	86	87	76
	65W49LED4K-ES	5385	5440	4745	65	72	0.60	0.30	0.26	428	100 W	75	76	66
	90W49LED4K-ES	6450	6515	5685	90	102	0.85	0.43	0.34	530	150 W	63	64	56

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

System (LED + driver) rated life = 100,000 hrs¹

LEDGINE	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)

New

The Domus, now available powered by LEDgine, offers high output for parking lot and high density street lighting. The LEDgine provides a uniform, comfortable, smooth light distribution for a safe way home while maintaining excellent performance even in the most demanding environments.

- Saves up to 60% in energy costs
- Can replace up to 400W PSMH
- Equivalent up to 90 Lumen per watt

VOLTAGE

120 / 208 / 240 / 277 / 347¹ / 480¹

¹ Comes with a step-down transformer with 40W49LED4K-ES and 65W49LED4K-ES (LifeLED).

OPTICAL SYSTEMS / LED



Flat lens (LifeLED and LEDgine)

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with a tempered-glass flat lens permanently sealed onto the lower part of the heat sink.

- LE2F: Asymmetrical
- LE3F: Asymmetrical
- LE4F: Asymmetrical
- LE5F: Symmetrical (square)

> House shield available in option (HS)



Sag lens (LifeLED and LEDgine)

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with a tempered-glass sag lens permanently sealed onto the lower part of the heat sink.

- LE2S: Asymmetrical
- LE3S: Asymmetrical
- LE4S: Asymmetrical
- LE5S: Symmetrical (square)

> House shield available in option (HS)



Prismatic globe (LifeLED)

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with globe having an inner prismatic surface permanently sealed onto the lower part of the heat sink.

- LE2A: Asymmetrical
- LE3A: Asymmetrical
- LE4A: Asymmetrical

> LE2A/LE3A/LE4A available in acrylic and borosilicate.

> House shield available in option (HS)

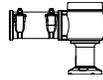
Add suffix ACDR or PC to optical system code.

* Photometry available on Philips Lumec web site www.philips.com/lumec.

LUMINAIRE OPTIONS

- HS** House shield
(Not available with LED)
- LD** Luminous dome, 250 W maximum
(SG optics only) (only with DMS50)
(remote ballast for 200 and 250 W in bracket or pole)
(Not available with LED)
- LR** Luminous ring,
250 W maximum
(SG optics only) (only with DMS50)
(remote ballast for 200 and 250 W in bracket or pole)
(Not available with LED)
- SLG** Tempered glass sag lens
(SG optics only)(Not available with LED)

ADAPTORS



SMB

The luminaire is suspended by means of a decorative side-mounting cast-aluminium adaptor. This adaptor accepts tubes from 1 5/8" to 2 3/8" (41 to 60 mm) and is adjustable to more or less 50.

SMART LUMINAIRE OPTIONS

Domus allows you many options in order to get different smart functionalities.

DMG (available with LifeLED and LEDgine*)

Driver is compatible with dimmer from 0 to 10 volts.

CDMG (available with LifeLED and LEDgine*)

Dynadimmer standard dimming functionalities including pre-programmed scenarios to suit many applications and needs from safety to maximum energy savings. (see Dynadimmer brochure for more information on pre-programmed scenarios)

CDMGP (available with LifeLED and LEDgine*)

Dynadimmer custom dimming scenario allowing the user to program up to 5 time periods and multiple dimming levels from 100% to 10% of total wattage.

OVR (available with LEDgine* only)

Dynadimmer override function offering the possibility to go back to full power at any time via an electrical signal of 120VAC to 277VAC from a motion sensor, a switch, a relay or else.

CLO (available with LEDgine* only)

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 lamp.

AST (available with LEDgine* only)

Pre-set driver for progressive start-up of the lamp to optimize energy management and enhance user visual comfort at start-up.

OTL (available with LEDgine* only)

Pre-set driver to signal end of life of the lamp for better fixture management.

DALI (available with LEDgine* only)

Pre-set driver compatible with the DALI control system.

* Not available with 347 and 480 volt.

SMART SYSTEM OPTIONS

Different options are available according to your needs. Please contact us for more information.

SMART CITY OPTIONS

AMPLIGHT (available with LEDgine* only)

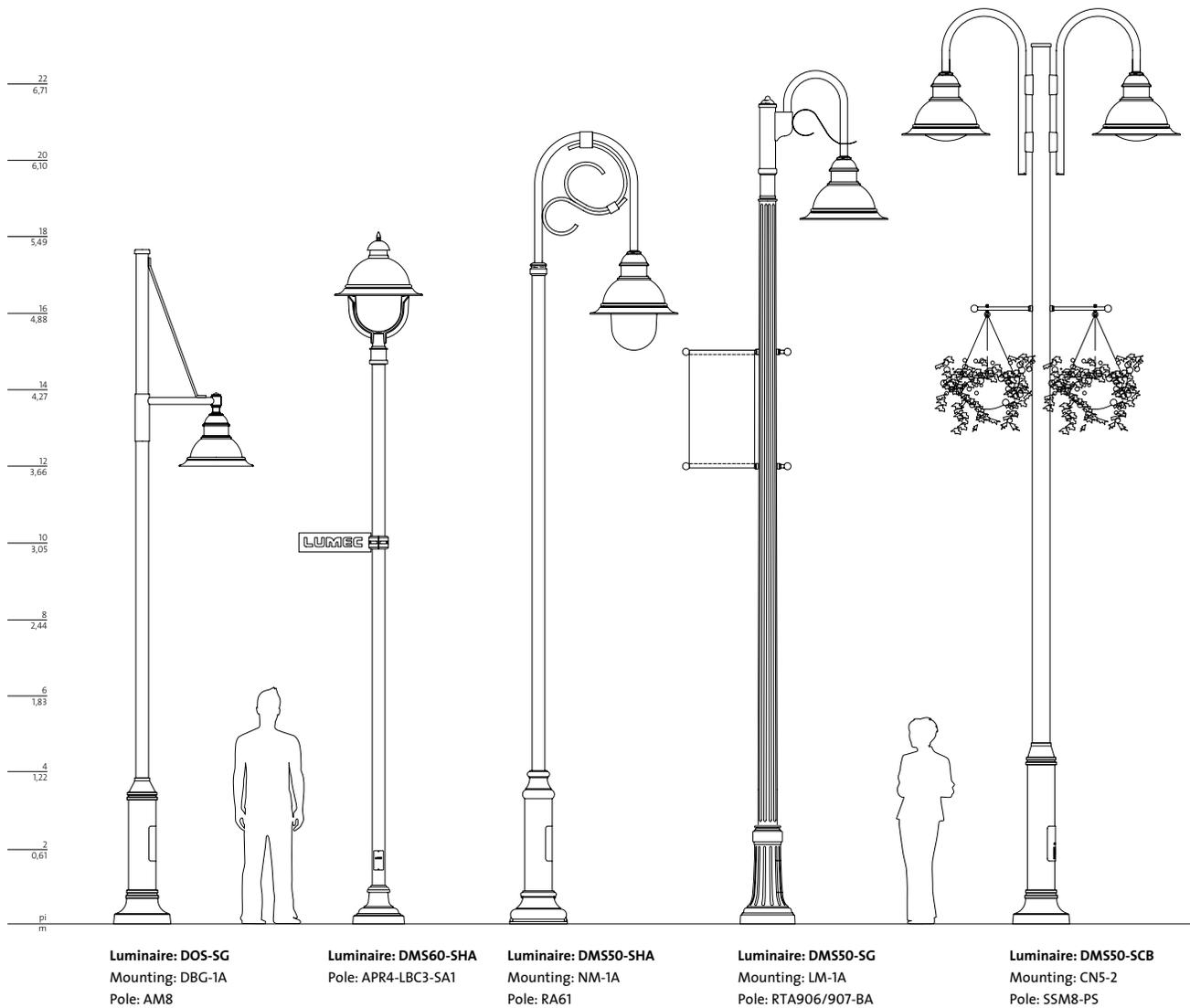
Amplight is the intelligent monitoring and control, automated management system that delivers up to 35% streetlight energy savings and makes it easy to monitor and manage the entire system, in real time. Please contact us for more information.

* Not available with 347 and 480 volt.

Other options are also available according to your needs. Please contact us for more information.



ASSEMBLY EXAMPLES





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LUMINAIRE > DMS50-SCB
BRACKET > CUSTOM
POLE > SSM8



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/ Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled "Contains Mercury" and/or with the symbol "Hg." Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org



The choice to not print paper brochures anymore but to make them available on-line is an example of the positive environmental actions that Philips Lumec has decided to undertake. This not only considerably reduces our paper consumption but also guarantees the exactitude of the information our clients receive.