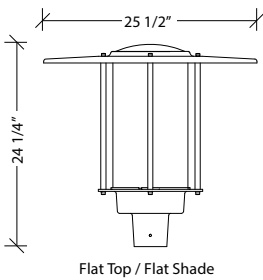
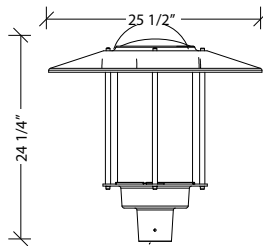




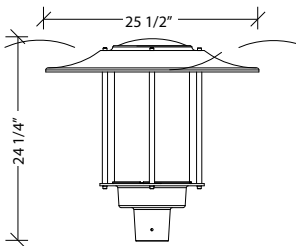
DIMENSIONS



Flat Top / Flat Shade



Flat Top / Sloped Shade



Flat Top / Curved Shade

SPECIFICATIONS

HOUSING - All cast aluminum parts shall be low copper alloy A356. All extruded aluminum parts shall be alloy 6061-T6, 6063-T5 or equal.

CONSTRUCTION - The upper chamber/lid shall be topped by a decorative cast aluminum finial/cap and mechanically fastened to the optical chamber. The cast multi-sided cage shall accommodate UV stabilized acrylic or polycarbonate lenses (side panels) which shall be sealed for weather tight operation. The electrical chamber/fitter shall be aluminum, decorative fitter designed to accommodate the ballast assembly and shall mount to 3 OD x 4" H tenon and secured by three stainless steel set screws.

FASTENERS - All fasteners shall be Corrosion Resistant. When tamper resistant fasteners are required, spanner HD (snake eye) style shall be provided (special tool required, available at additional cost).

FINISH - Finish shall be Beacote V polyester powder-coat electro-statically applied and thermocured. Beacote V finish shall consist of a five stage iron phosphate chemical pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

BEZEL OPTICAL SYSTEM - Each luminaire is supplied with an optical one piece cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel. The cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system. Two-piece silicone and polycarbonate foam gasket ensures a weather-proof seal around each individual LED and allows the luminaire to be rated for high-pressure hose down applications. The optical cartridge is secured to the extruded housing with fasteners and a heat pad to ensure thermal conductivity. The optics are held in place without the use of adhesives and the complete assembly is gasketed for high-pressure hose down cleaning. The cartridge assembly is available in various lighting distributions using a specially designed acrylic optical lens over each LED.

POWER SUPPLY / DRIVER REQUIREMENTS - U.L. UL1310, Class 2 and UL48 compliant.

COLOR RENDERING INDEX (CRI) - Luminaire shall have a minimum CRI of 67 at 5000K.

OPERATING ENVIRONMENT - Shall be able to operate normally in ambient temperatures from -40°C to 40°C.

ELECTRICAL - Luminaires are equipped with LED driver(s) that accept 90 through 305 VAC, 50 Hz to 60 Hz (UNIV). Power factor is .92 at full load. All electrical components are rated at 50,000 hours at full load and 25°C ambient conditions per MIL-217F Notice 2. All driver components supplied are component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use with 600 VAC at 50°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

AGENCY CERTIFICATION - The luminaire shall bear an NRTL label and be marked suitable for wet locations.

WARRANTY - Luminaire features a 5 year limited warranty.

Approved By: _____ Project Name: _____

Location: _____ Date: _____

1919 Windsor Place ■ Fort Worth, TX 76110 ■ 800.633.8711 ■ Fax: 817.735.4824 ■ www.wslighting.com

WLS LIGHTING SYSTEMS

Consider the Impact!

SDL SERIES

DECORATIVE LED

ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE. Refer to example below.

SERIES	LENS OPTIONS	ENGINE-WATTS	TEMP	VOLTAGE	OPTICS	ELECTRICAL OPTIONS	STYLE OPTIONS	SHADE OPTIONS	COLOR
SDL	NL - No Lens	24NB-27 - 27 Watts 24NB-55 - 55 Watts 36NB-80 - 80 Watts 48NB-110 - 110 Watts	3K - 3000K 4K - 4000K 5K - 5000K standard	UNIV - 120 - 277V	T2 - Type II T3 - Type III T4 - Type IV T5R - Type V rectangular T5QM - Type V square medium T5W - Type V round wide	PEC - Photocell, button 2PF - Dual Power Feed	FLT - Flat Top	FTS - Flat STS - Slope CTS - Curved	BBT - Basic Black Textured BMT - Black Matte Textured WHT - White Textured MBT - Metallic Bronze Textured BZT - Bronze Textured DBT - Dark Bronze Textured GYS - Gray Smooth MST - Metallic Silver Textured MTT - Metallic Titanium Textured OWI - Old World Iron RAL - _____
SDL	NL	24NB-55	5K	UNIV	T5	PEC	FLT	STS	BMT

(EXAMPLE ORDER)

ORDER:
WLS-SDL

Power/Lumens & Distributions

Engine	nominal Wattage	lumen output (5k) varies by optic	delivered LPW	TM21 Lumen Maintenance Tested at 25 °C (77°F)	
				tested per IESNA LM-80-08	tested per IESNA TM-21-11
24NB-30	30	2752-3014	105-115	@60,000hrs > 95%	@100,000hrs > 87%
24NB-55	55	5138-5500	93-100	@60,000hrs > 95%	@100,000hrs > 87%
36NB-80	80	6935-8215	93-103	@60,000hrs > 95%	@100,000hrs > 87%
48NB-110	110	10240-10950	93-103	@60,000hrs > 95%	@100,000hrs > 87%

The lumen maintenance factor (LLF) is calculated based on the hours of operation anticipated and the operating conditions of the application. Select the desired number from the table above that corresponds to the specific application. For other lumen maintenance values, consult factory.

CCT (COLOR TEMP) Lumen Output Multipliers	CRI (Color Rendering)
5000° K = 1.0	min 67 CRI
4000° K = .92	min 70 CRI
3000° K = .75	min 80 CRI

Approved By: _____ Project Name: _____

Location: _____ Date: _____

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