

GENERATION 3 LED PARKING GARAGE LIGHT (XPG3)



US patent D603081 & D611188 & 7828456 and US & Int'l. patents pending

SMARTTEC ENERGY SAVING FEATURES:

THERMAL CONTROL - Sensors in both the optical unit and driver enclosure reduce drive current when ambient temperatures exceed 50°C. Current is lowered in imperceptible 5% increments every 5 minutes until recommended operating temperature is reached.

DAYLIGHT SENSING (IPC) - Turns on unit when ambient light level falls to approximately 5fc below fixture, and turns light off when light level rises above this level. Sensor will not react to changes in light level for a period of 2 minutes to prevent on/off cycling due to momentary reflections or passing clouds.

OCCUPANCY SENSING (IMS) - Integral mounted sensor (optional) detects movement in 2 coverages: Wide (35 to 40-foot diameter) or Narrow (15 to 20-foot diameter), mounted at 8 - 12 feet. Unit dims to 40% light output when no presence is detected. Smart dim slowly lowers light level over a 15 second period. Unit quickly ramps up to full power when motion is detected, over a period of 5 seconds. The unit will remain at full power for a period of 2 minutes, without activity.

EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

LEDS - Two LED array choices; 50 and 68. Each feature select high-brightness LEDs; available in two color choices; cool white (5300°K) or neutral white (4100°K), 70 CRI nominal.

DRIVER CURRENT OPTIONS - Available in 350mA, 450mA or 550mA drive currents.

DISTRIBUTION/PERFORMANCE - Designed for non-enclosed parking garage applications. Ultra-high efficiency reflectors provide solid performance for typical spacings and heights, exceptional uniformity with vertical illumination and full cutoff. Ideal when maximum spacing is desired without sacrificing desired lumen levels. Meets RP20 recommendations while delivering unique control of distribution to minimize glare.

HOUSING/OPTICAL UNIT - The XPG3 features a slim 7-1/8" profile. Housing is die-formed aluminum with a gasketed clear flat tempered glass lens providing a water-resistant seal. Weather-tight aluminum enclosure contains factory prewired driver to ensure no water entry and to eliminate need to open fixture completely. Optical unit is IP67 rated.

MOUNTING - Standard mounting is rigid 3/4" pendant mount or direct surface mount to 4" (102mm) octagon box (box by others). Pendant and direct mount standard with 48" leads and 8" leads respectively. Direct mount features standard quick mount plate with elongated key hole slots to allow alignment of fixtures.

ELECTRICAL - Universal voltage power supply (120-277 VAC, 50/60 Hz). All luminaires are equipped with a surge protector (10,000V; 5000A) to guard against transient voltage spikes. Emergency LED battery back-up/driver operates 10 LEDs for a minimum of 90 minutes when primary AC power failure occurs.

DRIVER - Proprietary, state-of-the-art SmartTec driver technology designed specifically for LSI LED light sources provides unsurpassed system efficiency. Driver will operate with input of 120V thru 277V (50/60 Hz). Components are fully encased in potting material for IP68 moisture resistance. Driver complies with IEC and FCC standards.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F).

FINISH - Fixtures are finished with LSI's DuraGrip[®] polyester powder coat finishing process. DuraGrip withstands extreme weather changes without cracking or peeling. Guaranteed for five full years. Standard colors are white, black and metallic silver.

WARRANTY - Limited 5-year warranty.

PHOTOMETRICS - Application layouts are available upon request. Contact LSI Applications Group at lighting.apps@lsi-industries.com.

SHIPPING WEIGHT - Standard fixture 21 lbs. (9.5 kg). Fixtures with battery back-up 28 lbs. (13 kg)

LISTING - Listed to U.S. and International safety standards. Suitable for wet locations.

LIGHT OUTPUT - XPG3

	# of LEDs	Lumens (Nominal)		Watts
		Type 5	Type S	
350 mA	50	3789	5225	59
	68	4815	6390	79
450 mA	50	4548	6279	77
	68	5784	7540	104
550 mA	50	5152	6935	96
	68	6500	8273	133

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



IP64

Intertek

Suitable for wet locations

Not all versions of this product are CE certified.

02/11/11

Project Name _____

Fixture Type _____

Catalog # _____

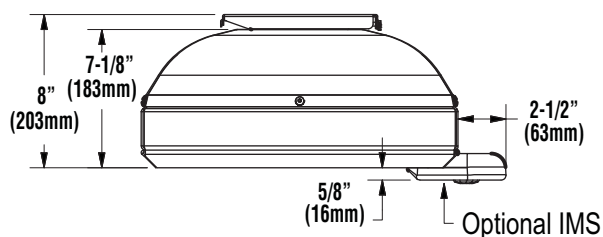
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PRODUCT ORDERING INFORMATION

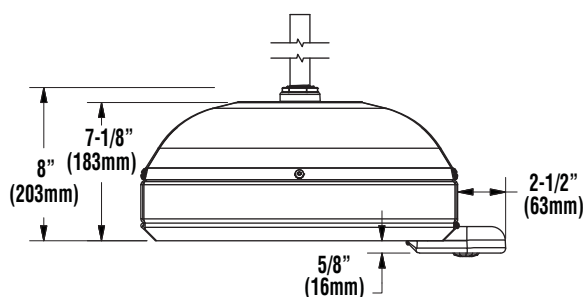
TYPICAL ORDER EXAMPLE: **XPG3P 5 LED 68 450 CW UE WHT**

Prefix	Distribution	Light Source	# of LED's	Drive Current	Color Temperature	Input Voltage	Finish	Options
XPG3D Direct Mount	5 - Type 5 S - Symmetric	LED	50 68	350 - 350mA 450 - 450mA 550 - 550mA	CW - Cool White (5300° K nom.) NW - Neutral White (4100k - nom.)	UE - Universal Electronic (120-277) 347 - 347 volt 480 - 480 volt	WHT - White BLK - Black MSV - Metallic Silver	BB - Battery Backup CWBB - Cold Weather BB IMSW - Integral Motion Sensor Wide IPC - Integral Photo Cell
XPG3P Pendant Mount								ACCESSORIES BG - Bird Guard

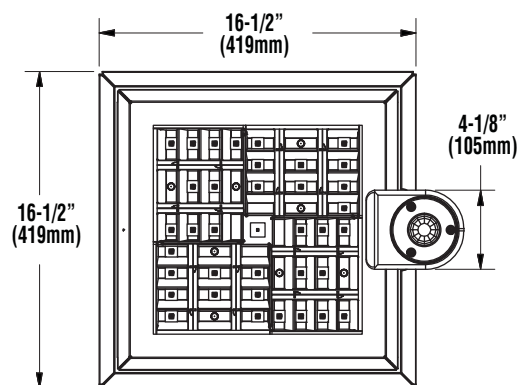
DIMENSIONS



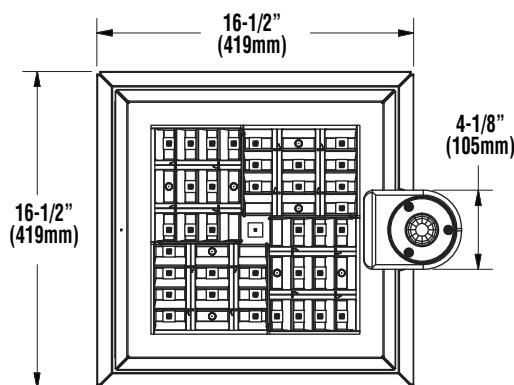
SIDE VIEW



SIDE VIEW



BOTTOM VIEW



BOTTOM VIEW