

SOLERA™ CL

Low Bay & Parking Garage Solutions

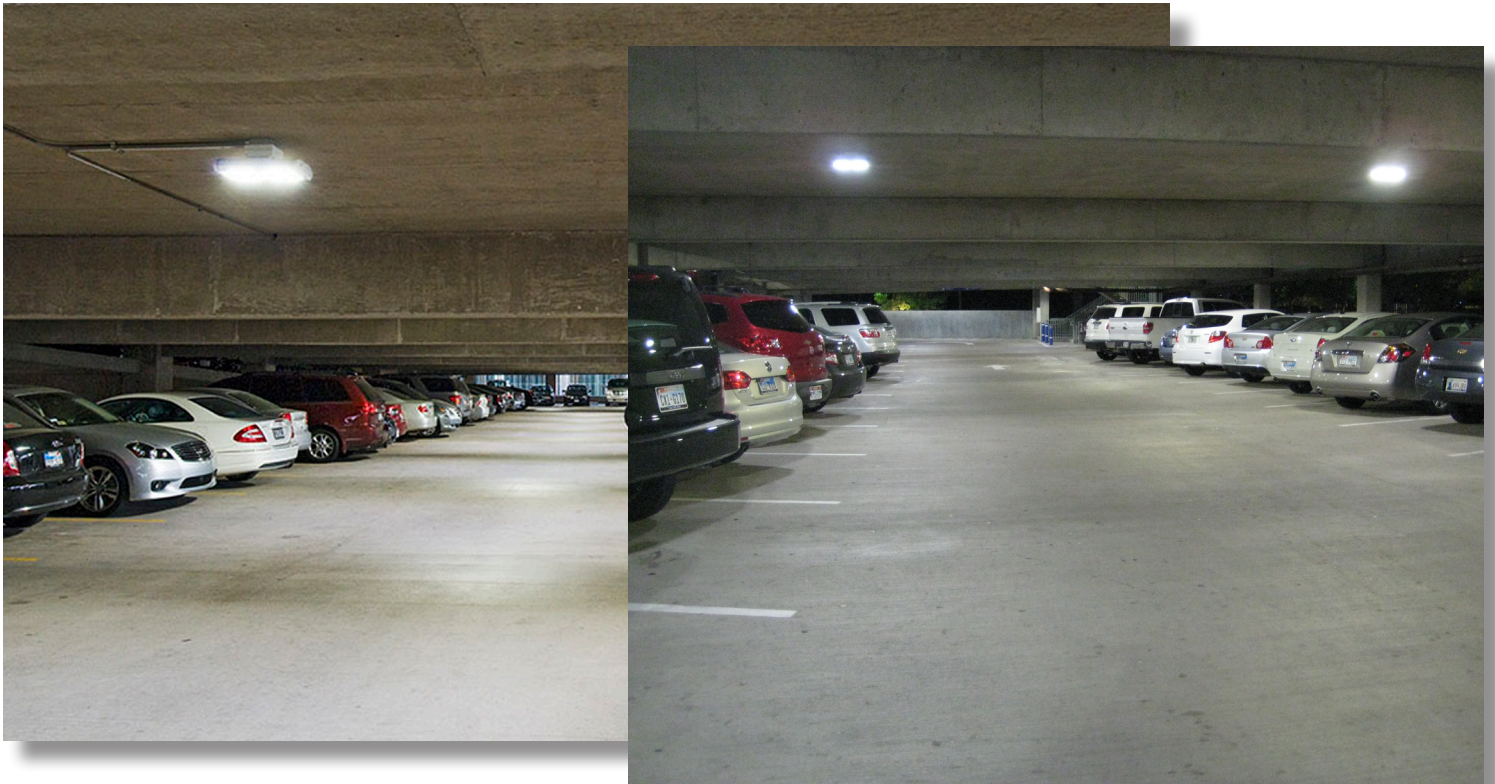


EFFICIENCY & PERFORMANCE for faster ROI and maintenance free lifespan

The SOLERA CL fixture provides energy savings and a long maintenance free lifespan for new and retrofit installations in parking garage and other low bay applications. The SOLERA CL with type 5SM optics delivers excellent vertical and horizontal illumination for vastly improved lighting conditions, safety and security in typically poorly lit parking garages. The Solera CL provides 50 - 75% energy savings as a direct retrofit or substitution for 50w - 250w HPS or Metal Halide low bay lighting systems.

FEATURES and BENEFITS

- ▶ Patented thermal design features convection air flow cooling for optimum performance and L70 lifespan over 100,000 hrs.
- ▶ Patented modular optics feature custom designed asymmetric targeted distribution options for wall washing or area lighting.
- ▶ 18lb fixture weight with easy fixture mounting to minimize labor for retrofits or new installations.
- ▶ Certified lab tested in-situ thermal, optic and electrical performance. Design Lights Consortium, ETL, CE, RoHS and Light Facts approved.
- ▶ IP-65 rated enclosure with ASTM B 117 tested, 10,000 hr. salt spray finish for maintenance free lifespan in any environment.
- ▶ Fully compliant and protected power supply with autoranging 90-305VAC and tool-less removal and replacement.



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Parking Garage Case Study

Lighting Requirements:

IESNA RP-20-98 revised: Min. 2 Fc (Daytime - Horizontal 60")
 Typical Commercial / Retail: Average 5 Fc (Daytime - Floor)

Parking Structure:

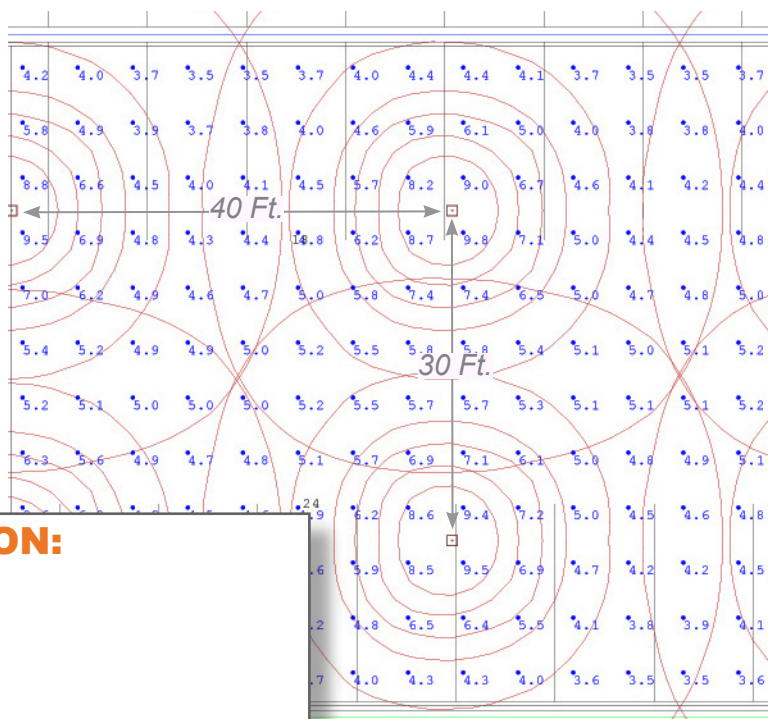
4 Levels - 120' x 360' each level.
 Single row - 30ft x 40ft spacing - 9ft AFF.
 10 ft. ceiling height. Unpainted concrete.

Existing Fixtures: 96 - 150W HPS

(187.5 total watts) 18,000 watts total.

Solera Retrofit: 1 to 1 replacement - 61.6% Energy Savings

96 - 72W Solera CL 7e
 6912 watts total



SOLERA SOLUTION:
SOLERA CL - 7e - 5SM
 6676 Lms - 72W - 93.2 lm/W

Illuminance (Fc)
 Average = 5.30
 Max / Min Ratio = 3.27
 Total project wattage 6912W
 Lighting power density: .04w/sq ft.

► Refer to SOLERA CL Data and Specification sheet for additional details, mounting and control options.

MODEL	Nom. Watts	LED Qty.	Nom. mA	L70 @ 25C	L70 @ 45C	CRI / CCT	Lms.	Fixture Watts	Lms/W
CL-4e	50	16	.700	>130K Hrs	>100K Hrs	75CRI - 4300K/5500K/6500K	3338	49.6	67.3
CL-4 He	50	32	.350	>200K Hrs	>174K Hrs	75CRI - 4300K/5500K/6500K	3555	46	77.3
CL-5He	50	32	.500	>168K Hrs	>130K Hrs	75CRI - 4300K/5500K/6500K	4524	45.9	98.6
CL-7e	75	32	.700	>130K Hrs	>100K Hrs	75CRI - 4300K/5500K/6500K	6676	71.6	93.2
CL-7 He	75	64	.350	>200K Hrs	>174K Hrs	75CRI - 4300K/5500K/6500K	7109	73.4	96.8
CL-12e	120	64	.550	>150K Hrs	>115K Hrs	75CRI - 4300K/5500K/6500K	10167	105	96.8



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