

# IntenCity-2™

High Output

## Solid State Parking Garage Luminaire GL-3200



GLF - (Full)

### Installation

Luminaire is supplied with its own unique adapter for mounting to a standard 4-inch square NEMA electrical box. Also supplied with end to end conduit knock-outs.

Slide electrical feed wiring through adapter, attach adapter to box with two screws. Slide luminaire onto adapter nipple, slide the captive latch inside luminaire. Rotate Luminaire to align as needed, tighten 2 screws inside Luminaire, complete wiring, slide access cover closed and tighten cover screws.

Photocell is standard in all units, multiple unit photocells may be ganged with low-voltage wiring.

Electrical Box  
Mounting Adapter  
(for either style)



GLS-  
(split)



### Options

LED color (RGB, custom-contact factory)

(\*)LED color temperature

B-Warm White, C-Cool White, A-Amber

Style: Full, Split, Two-way, etc.

Mounting: Ceiling, Pendant, Wall-(Split only)

Cutoff orientation:

If Full, specify relative to the drive direction.

If Split, specify facing into the lens.

### Applications

Solid-state lighting system developed specifically for parking garages:

- For nominal 8 ft. mounting height
- Replaces 150 watt HPS, MH and Fluorescent lighting
- Designed for single-row layout

### Features

Unique mounting system supports luminaire prior to wiring for easy 1-man installation, and locks luminaire at 5° increments around full rotation.

No Hot-Spot beneath luminaire and No wasted energy by masking it off.

Mounts to existing electrical box in single or double-row designs.

Does not require new or closer spaced electrical service.

White LEDs with proprietary optics and control system.

Sealed light engine has no air intake and never needs internal cleaning.

No Ballast. High PF current regulated, solid-state power supply, completely encapsulated for weather resistance.

Integral 7KA 180-Joule MOV transient protection.

### Specifications

Lighting System Light Emitting Diodes

Input Power 80VA, PF > 0.95

Operating Voltage 100 to 277VAC, 47 to 63 Hz.

Humidity 0 - 99%

Dust and Moisture IP66 light units and PS

Operating Temperature -40° C to 55° C

Storage Temperature -40° C to 85° C

Finish Black Anodized

Dimensions 4 3/8" H x 12" W x 12" L

Mounting Fits existing NEMA box

Weight 15 lbs

Connections 3 x 8" 16 AWG wire leads

Photocell ON < 1 footcandle, OFF @ > 1.5

Correlated Color Temperature (CCT) 4,500K\*

Lumens (Watts) approx. 3,200 (75 Watts)

Compliance to Codes & Standards

CE, UL-C, NEC, NEMA, FCC Part 15 Class B

General Light weight. Sharp optical cutoff,

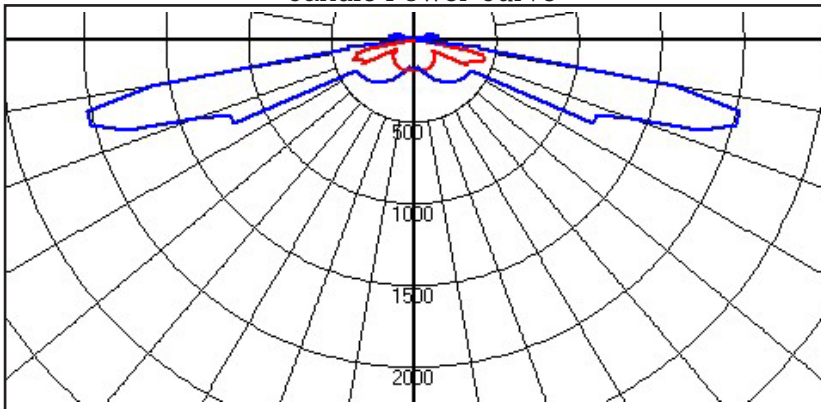
limited trespass, non-glare, 10+ year design life.

Lumen Maintenance 70% after 50,000 hrs.

at 30° C ambient temperature

Construction Heavy gauge aluminum extrusion, black anodized finish. Vandal resistant fasteners, injection molded polycarbonate lens with gasket seal. Access panel slides open for electrical connections and installation.

Candle Power Curve



Bilaterally Symmetric 180-0 Degrees 90-270 Degrees

EXAMPLES

### Part Numbering:

- Series  
Style: Full, Split, Two-way Full  
DAC - Left, Right, None, Both  
Wall Cutoff - Left, Right, None, Both  
Mounting - Ceiling, Wall, Pendant  
Color option
- GL3200 F R R C B (Full, R DAC, R-WC, Ceiling, Warm White)  
GL3200 T R N C B (Full 2-way, R DAC, No-wall, Ceiling, Warm)  
GL3200 S R N W C (Split, R DAC, Wall, Cool White)



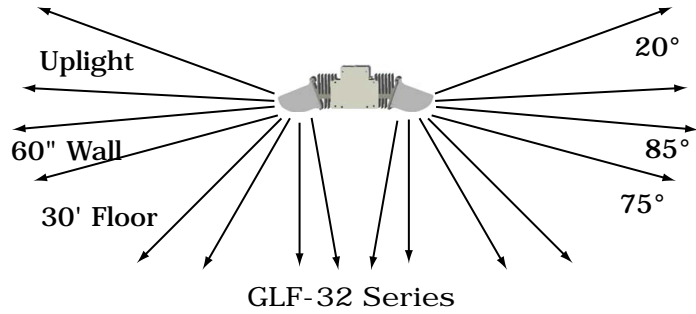
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# Applications Guide - Parking Garage Luminaire

GL Series is our highest coverage interior Luminaire. It provides illumination on walls, floor and task areas above the floor. The standard version has +20° uplight at each wing.



The GL Series provides maximum coverage, and due to its high-angular output, can contribute to veiling or disability glare. There are two cutoffs to choose: Driver Approach Cutoff and Wall Cutoff

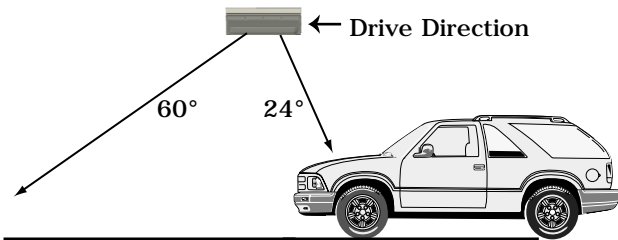
## DAC (Driver Approach Cutoff)

For Single-Row layout, the Luminaire is centered above the drive aisle and is marked with a drive-direction so that installation will reduce glare on the driver approach. It can be rotated for either direction of drive aisle.

For a Full Luminaire (F in Style column) DAC can be Left, Right, None or Both.

For a 2-way drive aisle, specify "T" rather than "F" in style number; DAC can be "R" for right-lane cutoff on BOTH sides, or "L" for left-lane cutoff on BOTH sides.

DAC for a "Split" Luminaire refers to L or R facing into the Luminaire.



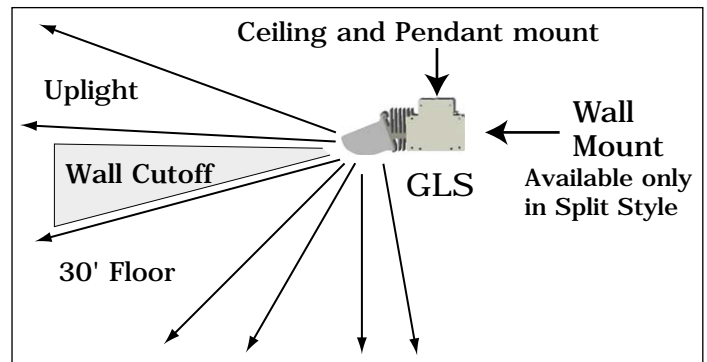
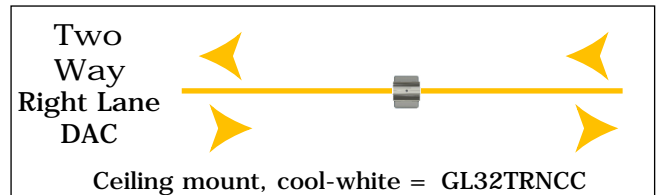
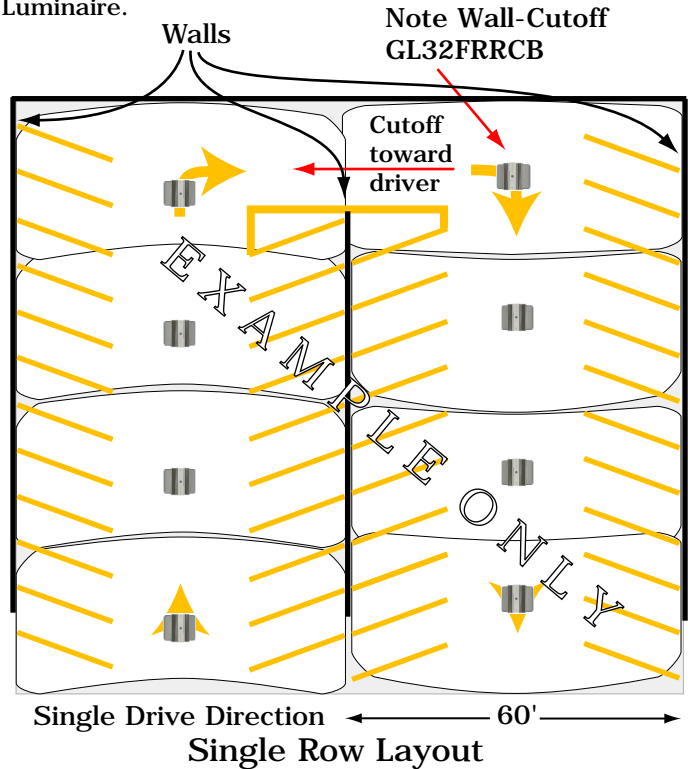
Example - Driver Approach Cutoff - (DAC)

## Wall Cutoff

Single-Row luminaires will typically illuminate walls on opposite sides of the aisle. But there may be applications without those walls, perhaps a window or an oncoming drive aisle (as shown in the example above right) where this light must be limited. For this control, "Wall Cutoff" can be specified on either end of the luminaire.

When Style is "Full", Wall Cutoff is Left, Right, None or Both. When Style is "Split" any WC designation other than "None" will result in Wall Cutoff.

The following sketch illustrates Single-Row layout and also shows application of a Wall Cutoff feature Luminaire.



Wall Cutoff is used when mounting either style Luminaire where a driver approach is directly into the lens.

Maintained Illumination for a Single Row System of Four IntenCity Luminaires

Bay Width	4-Luminaire Area Length	Luminaire Spacing	Vertical FC @ 60"	Avg. Horiz. FC 30" up	Horiz. FC on Floor			
					Min.	Max.	Avg.	Max/Min
55'	72'	18'	2.5	3.6	2.0	6.9	4.5	3.5
	80'	20'	2.3	3.2	1.8	6.5	4.2	3.6
	88'	22'	2.1	3.0	1.2	5.9	3.6	4.9
60'	72'	18'	2.1	2.8	1.7	6.9	4.3	4.0
	80'	20'	2.0	2.6	1.5	6.8	4.2	4.5
	88'	22'	1.8	2.4	1.2	6.2	3.7	5.2

