

1180 COB IN-GRADE SERIES

1185 and **1188** in-grades from Vista Architectural Lighting utilize integrated Chip-On-Board (COB) LED technology and precision optics to achieve high performance distributions of various spreads with controlled cutoff. A patent-pending magnetic hot aiming system allows the rotation of internal tilt optics without opening the fixture. Ventilated flow-through design allows cool air to enter and hot air to be exhausted from the Rough-in Section (RIS) to improve cooling of the LED module. Corrugations in the housing also facilitate air-cooling inflow/hot exhausted air outflow and provide significant RIS load strength, making these recessed in-grades suitable for use where vehicle drive over is a requirement. Four light distributions are available with outputs of more than 3000 delivered lumens in color temperatures from 3000°K to 5000°K.

PRODUCT ADVANTAGES

- » Patent-pending magnetic hot aiming; 360° rotation of internal tilt optics without opening the fixture
- » Ventilated flow-through RIS housing facilitates cooling of the LED module
- » Unitized housing designed for drive over applications
- » Chip-On-Board (COB) LED technology from 3000°K to 5000°K; outputs of more than 3000 delivered lumens
- » Optical distributions: Very Narrow Spot, Narrow Spot, Medium Flood and Wide Flood
- » Dimming methodologies available for both the 1185 and 1188
- » Wet location indoor and outdoor rated

1185:
8" (Diameter);
8" (Depth)



1188:
12" (Diameter);
12" (Depth)



1180 SERIES SPECIFICATIONS

LIGHT SOURCE

LED:

- » **1185:** Cree® CXA 1830 COB driven at 350mA, 500mA, or 620mA
- » **1188:** Cree® CXA 3050 COB driven at 700mA, 800mA, or 900mA
- » 3000°K, 3500°K, 4000°K, or 5000°K CCT ANSI white 4 step Cree® Easy White™ bins
- » **1185:** 900-2000 Delivered Lumens; **1188:** 2000-3200 Delivered Lumens
- » **1185:** 15-25 Watts; **1188:** 27-40 Watts

OPTICS/AIMING:

- » Fixture aiming achieved via a series of tilt optic lenses and patent-pending magnetic aiming system
- » Specular or semi-specular optics designed for maximum performance and uniformity
- » Very Narrow Spot (NEMA 2x2), Narrow Spot (NEMA 2x2), Medium Flood (NEMA 4x4) and Wide Flood (NEMA 6x6)

ELECTRICAL:

- » **1185:** Constant current 350mA, 500mA, or 620mA output driver
- » **1188:** Constant current 700mA, 800mA, or 900mA output driver
- » Multi-Volt MV 120V-277V universal input
- » Phase Cut, TRIAC and 0-10V dimming available for both models

FIXTURE

DOOR:

- » Die-cast A360 aluminum; vented, with captive stainless steel fasteners

FIXTURE HOUSING:

- » Compression-molded, glass-reinforced polymer
- » Unibody construction allows for superior door and optic housing support

OPTIC HOUSING:

- » Die-cast A360 aluminum; finned for maximum heat dissipation
- » Post hard anodized Class III and Henderlubed for maximum corrosion protection
- » Optic and driver compartments separately sealed while being electrically connected

DRIVER COMPARTMENT:

- » Injection molded PPS for maximum corrosion protection
- » Electronic LED drivers are thermally protected and completely potted to protect electronics from moisture

Magnetic Hot Aiming:

The 1180 In-Grade Series features a patent-pending magnetic hot aiming system that allows for rotation of tilted optics without opening the fixture.

A Vista-supplied magnetic wand is externally applied to the fixture's lens and then mated with a magnet affixed to the pre-installed tilt optics.



With the wand and magnet mated, the internal tilt optics can be rotated up to 360° within the fixture.

