

# OmniCube™

With Intelligent Cube Technology

Avery Dennison™ has taken reflective sheeting to the next level in performance and safety. OmniCube™ full-cube sheeting provides higher reflectivity and a more cost-effective production solution.





## Specification:

OmniCube™ exceeds all requirements of ASTM D4956-09 for Type XI sheeting. Consult your Avery Dennison™ sales representative for conformance to other worldwide specifications.



White



Yellow



Blue



Green



Red\*

\*minimum order requirement



Fluorescent Yellow



Fluorescent Yellow-Green

## Widths

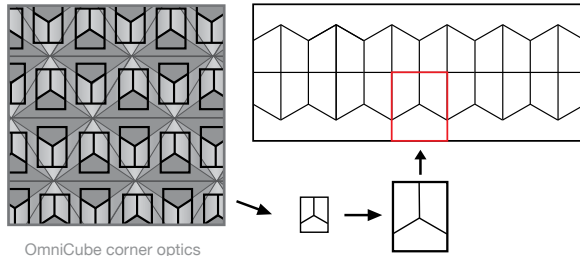
- 48"
- 36"
- 30"
- 24"
- 12"

## Lengths

50 yard rolls

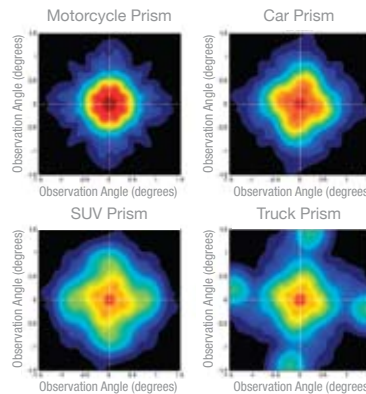
## Full-Cube Design for Unparalleled Efficiency and Improved Retroreflectivity

OmniCube™ from Avery Dennison takes full-cube retroreflective sheeting technology to a new level. OmniCube full-cube prisms are 100 percent efficient – returning approximately 60 percent of available light back to the driver compared to only 40 percent with other prismatic sheetings.



Improving retroreflective efficiency is a step in the right direction, but it's only a small part of what makes OmniCube unique. OmniCube takes a broad array of full cubes with angles tailored to meet the unique needs of drivers in different vehicle types and precisely aligns them in multiple orientations to deliver consistent performance. This is what sets it apart from the competition. OmniCube's **intelligent cube technology** efficiently returns light to drivers of all vehicles, including heavy trucks, SUV's, automobiles with the newest headlight designs and motorcycles.

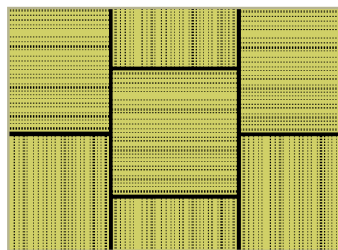
These graphs illustrate OmniCube's ability to direct light to the precise areas needed by drivers. Multiple arrays of cubes cause these light patterns to overlap. The result is a superior reflective sheeting that meets the visual needs of drivers for all traffic control signage.



## Full-Cube Sheeting with Omni-Directional Performance

OmniCube is the only full-cube sheeting produced using multiple tiles of prisms arranged to provide uniform reflectivity. By combining this precision tiling expertise with intelligent cube technology, Avery Dennison continues the tradition of supplying reflective sheeting that satisfies the widest range of performance goals including -

- Superior visual performance designed to improve safety for all highway users
- Predictable and uniform sign performance to benefit agencies and sign fabricators

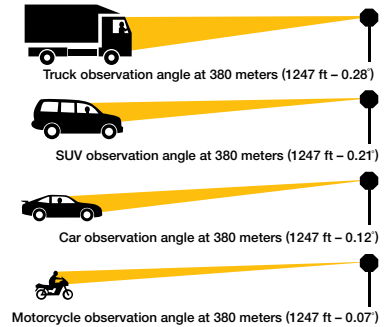


Tile orientation ensures maximum reflectivity

## Better Visibility at All Observation Angles to Benefit Drivers

Observation angles are an important specification parameter. Tied to vehicle geometry, observation angle is represented by the vertical plane separation between the headlight and driver's eyes, and distance of the vehicle to the sign. For example, drivers of large trucks sitting in an elevated position typically experience larger observation angles than do drivers of automobiles. In addition, the longer the distance to the sign the smaller the observation angle and vice versa. In order to meet the visual needs of drivers in multiple vehicle types, OmniCube is engineered with multiple cube angles to address short, medium and long distance sign viewing conditions.

- Truck cubes – larger observation angles
- SUV and minivan cubes – moderate observation angles
- Automobile cubes – lower observation angles
- Motorcycle cubes – very low observation angles



## Reduced Production Waste and Lower Material Costs

Transportation agencies can be confident their signs will provide superior retroreflective performance regardless of sign orientation – including computer-cut legend and sign border placement on guide signs. OmniCube's multi-oriented tiles eliminate the need to apply sheeting to sign blanks in the same direction in order to achieve uniform performance. **Smart at every angle**, sign fabricators will appreciate the savings in reduced time and material waste thanks to OmniCube's omni-directional design. Less waste in production lowers signing costs and allows agencies to maximize their signage investment while still achieving their safety goals.



Rotate graphics without affecting visibility

## Improved Safety

Avery Dennison is committed to highway safety. We have developed a full range of prismatic sheetings, including T-7500MVP, Omni-View™, and now introduce OmniCube. Avery Dennison offers the traffic engineering community multiple reflective options to meet any need and any budget.

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