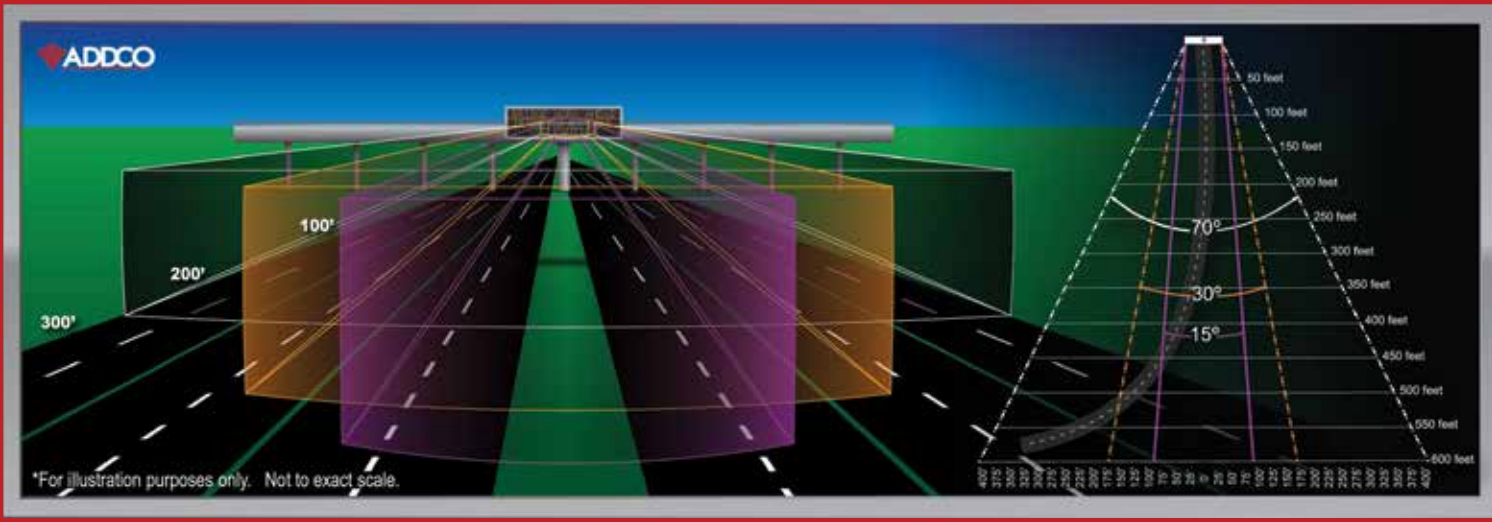


# TEXT SIZE, VIEWING AND RANGE



**EXTRA VIEWING TIME AT 600'**  
Rounded to the nearest second

70° to 30°		30° to 15°	
MPH	TIME	MPH	TIME
25	7	25	2
35	5	35	2
45	4	45	1
55	3	55	1
65	3	65	1

**VIEWING ANGLE AND DISTANCE**  
The viewing angle is the maximum point at which a DMS can be seen off center and ready by an approaching motorist. The angle and motorists' speeds help determine which angularity is best suited to the application. ADDCO offers 15, 30 and 70 degree LEDs to meet any application need.

- 15°**
- Straight roads
  - When weather visibility restrictions may exist
  - Directed at lanes of traffic depending on road topography

**MESSAGE TIME LEGIBILITY**  
Viewing time, in seconds, to read at the indicated character height

MAXIMUM VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT	VEHICLE SPEED IN MPH/KPH					
		25/40	35/40	45/40	55/40	65/40	75/40
1100' / 274m	18" / 457mm	30	21	17	14	12	10
650' / 198m	12" / 330mm	18	13	10	8	7	6
450' / 137m	9" / 229mm	12	9	7	6	5	4
300' / 91m	6" / 152mm	8	6	5	4	3	3

- 30°**
- Mainline Freeways
  - Arterial Streets
  - On/Off Ramps
  - Roadside-Mounted
  - Overhead

- 70°**
- Widest option available
  - Best for road side installations requiring visibility in multiple lanes

ADDCO works closely with its partners to select the best color and intensity LED Bins available. We look at flux rating, tint, Vf (forward voltage), and color. In addition to being environmentally sealed, all BRICK® LED boards have a silicon coat to further protect the IC components within the module for added resiliency.



# SOLAR POWER

Solar-powered BRICK® DMS Systems are available in different configurations and sizes. There are many variables used to decipher power usage and savings: daylight hours, season, size of DMS, daily running time, pixel usage percent, battery type, etc. ADDCO focuses on these variables to design the most efficient solar powered DMS Systems, limiting discharge/recharge cycles to save battery lifecycles and increasing cost and energy efficiency.

ADDCO supports the movement for solar power: Solar Powered DMS, yet another energy and cost-saving option with BRICK® DMS, are becoming more and more popular for their energy-saving consciousness and positive impact on our environment. Solar energy is safe, clean, abundant, and efficient.

