

DEPARTURES		
1. New Rochelle	1:15	
2. Yonkers	1:38	
3. Edison	2:22	
4. Trenton	2:50	
5. Philadelphia	3:15	
6. Baltimore	4:00	

ALL LINES RUNNING ON TIME ... PLEASE KEEP



## CALKiN Outdoor Reflective LCD Screen

32" Outdoor Reflective LCD Screen IP66 with additional front light for night visibility / Power efficient, High visibility in sunlight, lightweight

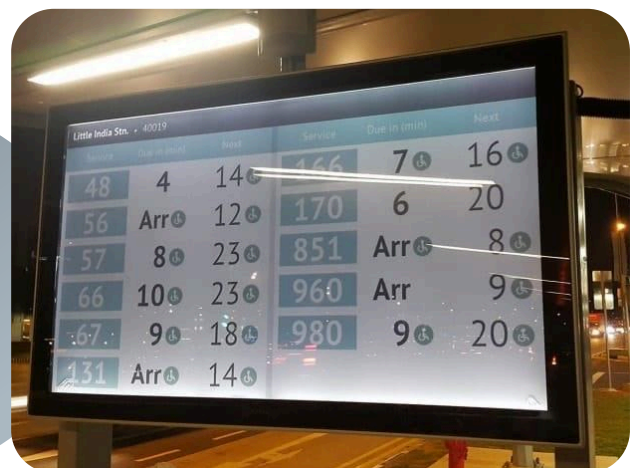


**CALKIN RLCD** outdoor display are an ideal solution for the sunny spots, where it can be difficult to view other display technologies. And, they use far less energy. Instead of using a backlight like other LCDs, Display panels have a mirrored layer installed behind the liquid crystal layer that reflects ambient light back to the viewer. As sunlight intensity increases, so does the panel's brightness - all while consuming very little power.



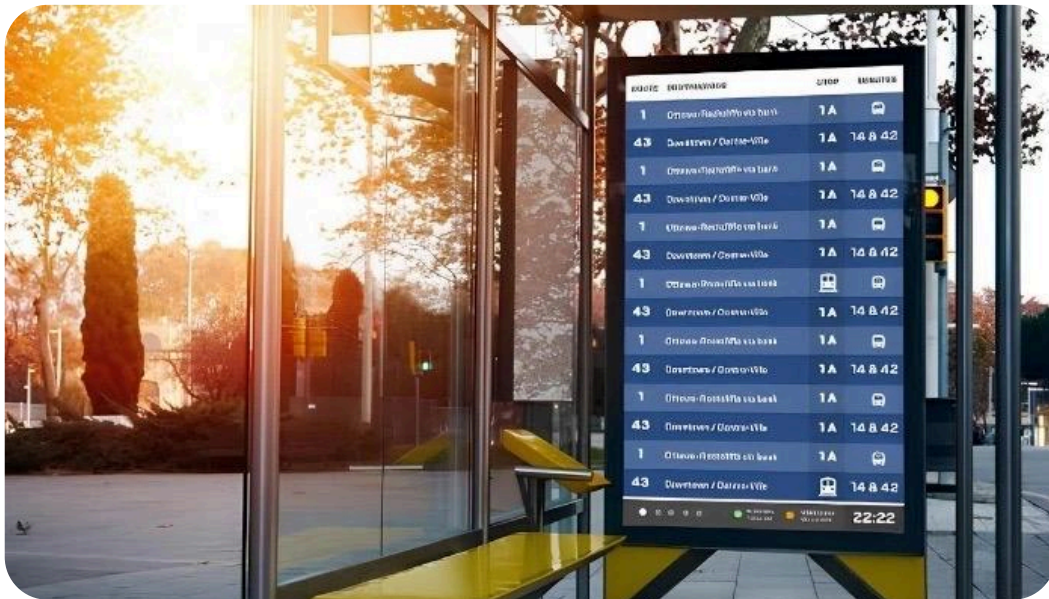
## Energy Efficient

Reflective LCDs consume far less energy than other types of display technologies. To give some perspective, Display's 32" reflective color LCD panel uses less than 6 watts. That's about 95% less power than comparably-sized high-brightness LCDs commonly used in digital signage applications. While other technologies require a 110-220V power source, Display panels can be powered by a 12V battery.



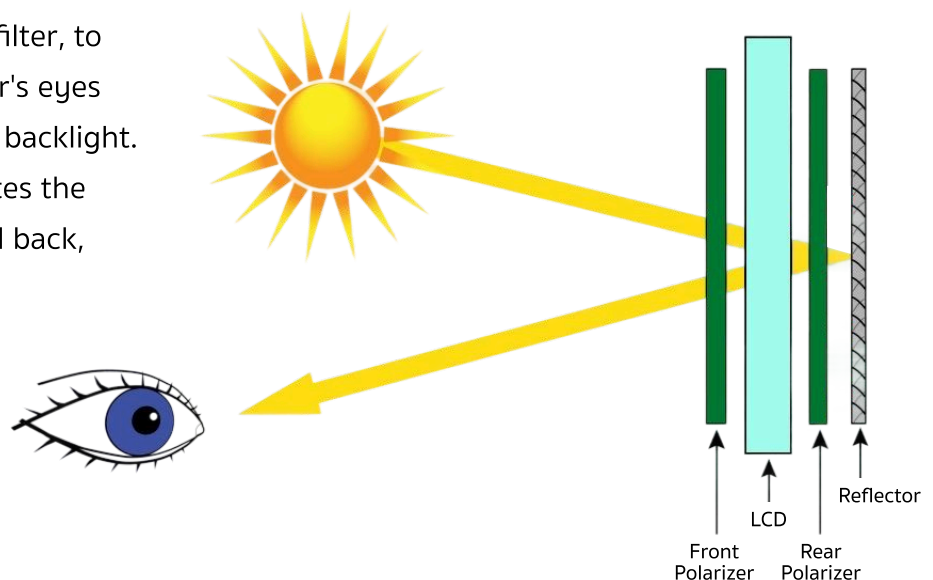
## Advantages of reflective LCDs

- Low power consumption: Reflective LCDs do not require a backlight, which reduces their power consumption and extends the device's battery life.
- High visibility in sunlight: The reflective nature of the display allows it to be easily read in bright sunlight.
- Thin and lightweight: Reflective LCDs are thinner and lighter than transmissive LCDs since they don't have a backlight, making them well-suited for portable devices.

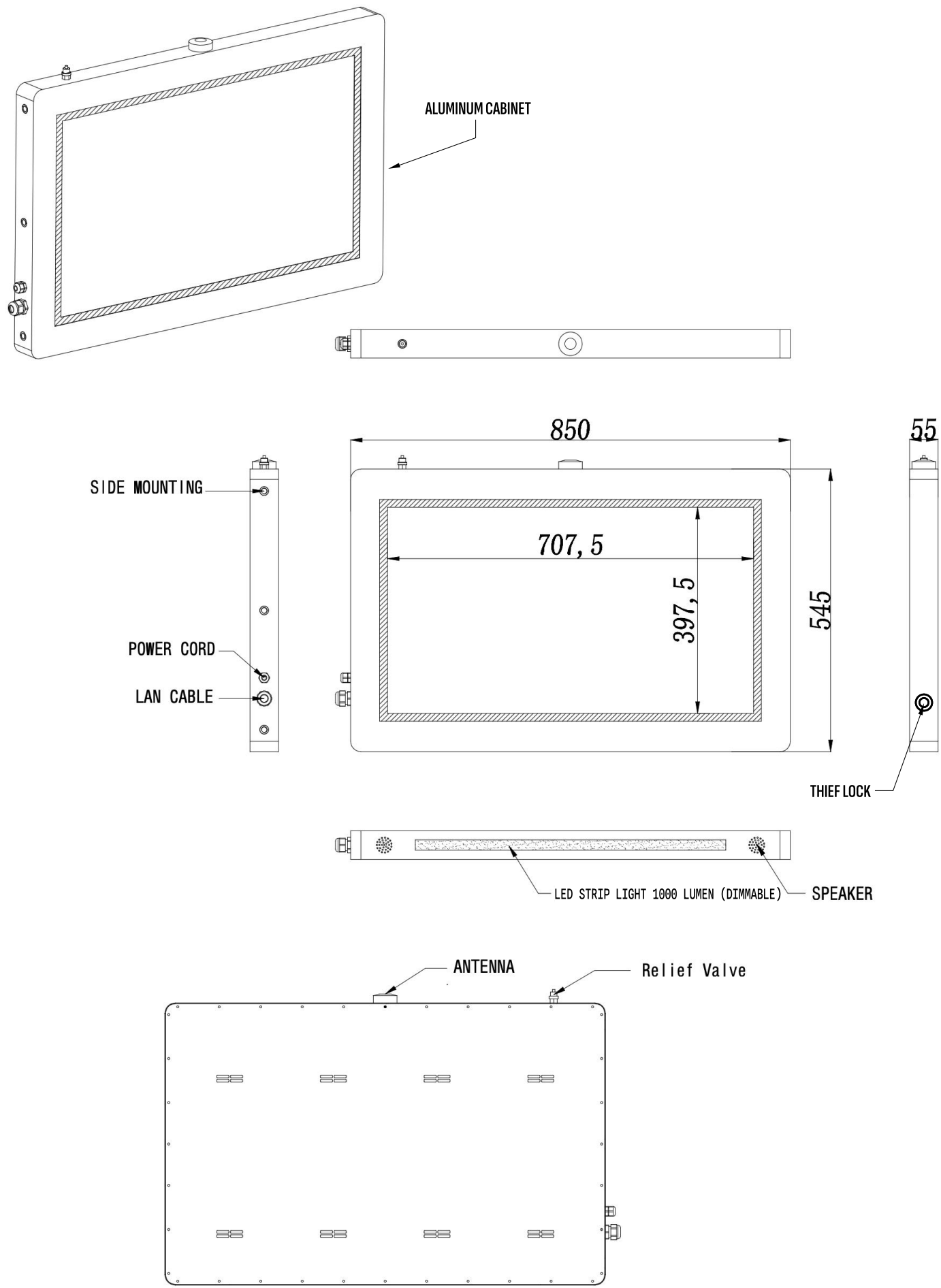


## How do reflective displays work?

Reflective LCDs work by using a reflective layer along with the polarizing filter, to reflect the light back to the user's eyes instead of emitting light from a backlight. The liquid crystal layer modulates the amount of light that is reflected back, creating the desired image.



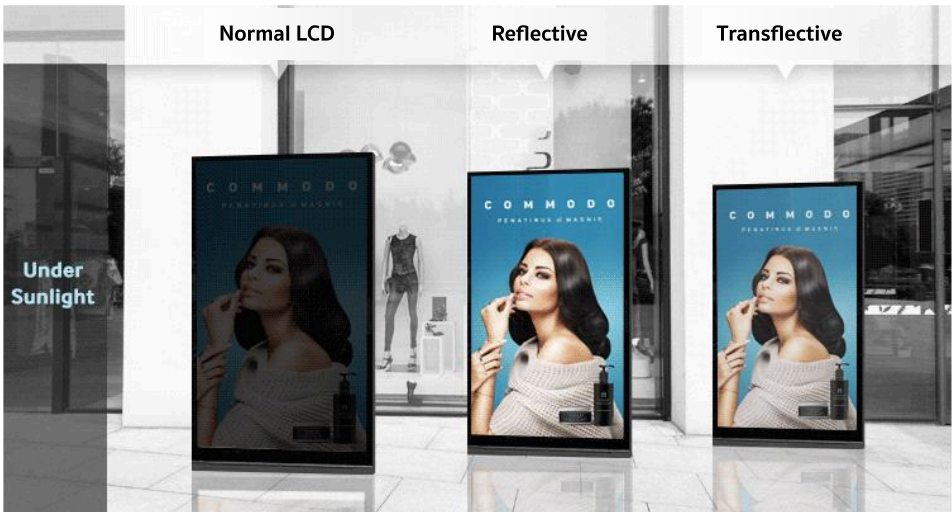
Dimension 32"



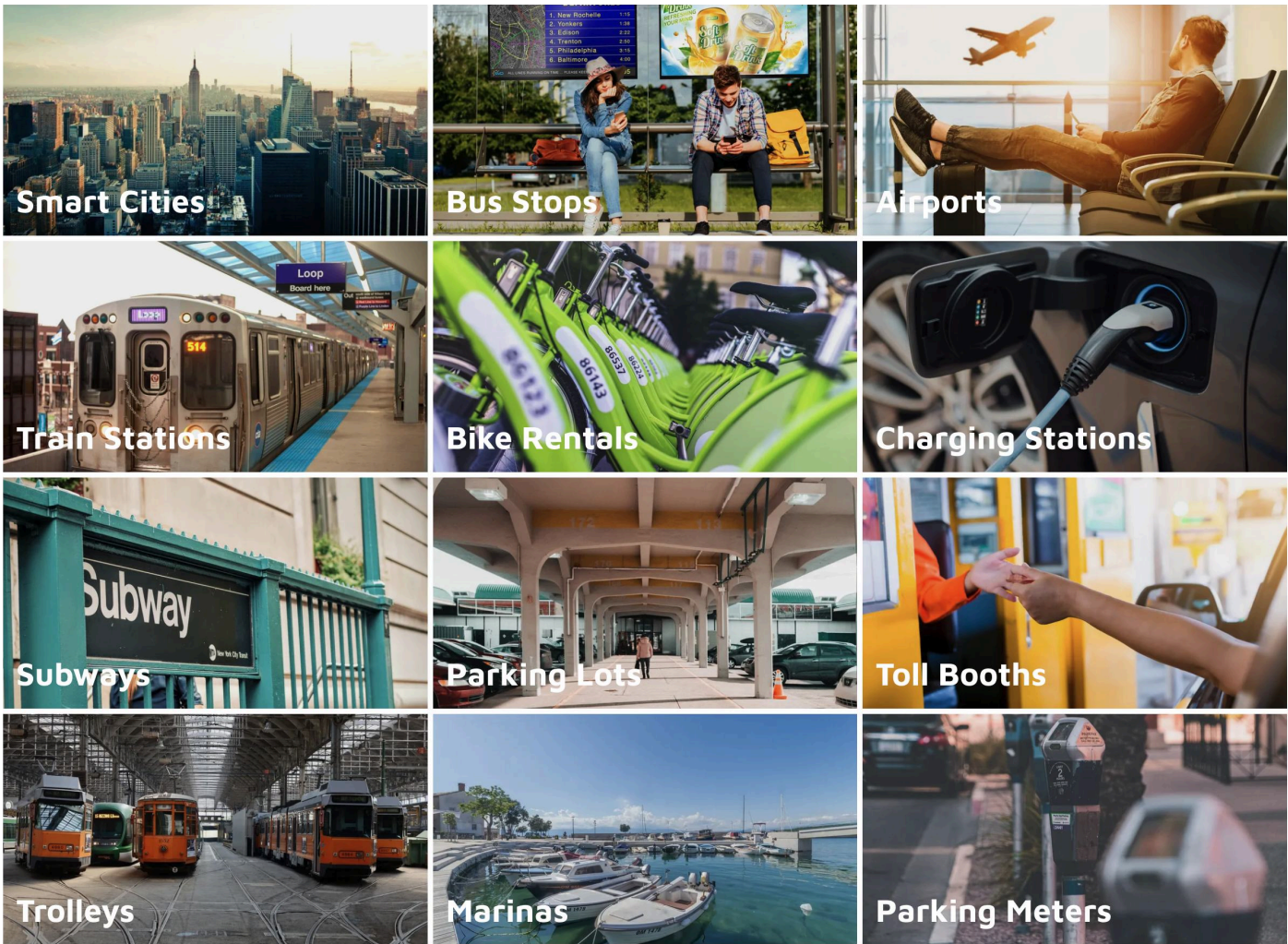


# Comparison

Normal LCD displays  
VS  
Reflective displays  
VS  
Transflective displays



# Application



# Specification

Display Size	32"
LCD Type	Reflective LCD
Orientation	Landscape
Display Mode	Reflective / Normally White
Product Size (mm)	545 x 850 x55
Viewing Area	707.5 x 397.5
Pixel Pitch	0.369 x 0.369
Color Gamut	15% (TYP)
Resolution	1920 x 1080
Display Color	16.7 M
Brightness	Reflective + Automatic dimmable front light with light sensor, software
Response Time	10 ms
Life Span	50,000 hrs
Main Board	Android Signage (Calkin CMS)/Linux OS Debian 11 (RK3566 Memory 4GB Ram +32GB Storage)
Image Format	GIF, JPEG, PNG, BMP (When use Android OS)
Audio Output	10 W
Networking Method	RJ45, Wifi, 4G / GPS (Optional)
Update Method	Remote, USM Flash
Timing Switch On/Off	Support anytime period
Working Temperature	-20 ~ 70
Working Humidity	5% ~ 100%
Storage Temperature	-30 ~ 80
Storage Humidity	5% ~ 90%
Noise	< 58 dB
Protection Level	IP66
Environment Humidity Protection	Humidity Relief Valve + Panel Moisture Protection
Frame Color	Black
Power Input	DC24V+-10%
Power Consumption (Watt)	1.85 (RLCD) + 21.6 (Front Light)(TYP)
Weight (kg)	15
Protection	Over current/ Short circuit/Over voltage

 CE Certified



1006/429 B Floor Master View Executive Place  
Charoen Nakorn Road, Khlongsan, Bangkok 10600