

Case Study



Shell Dodo Simpang Pulai, Perak, Malaysia

Energy efficiency and reliability were key criteria when selecting LED canopy lighting for a new Shell site in Perak, Malaysia. With LSI's CRO3 LED canopy fixtures, the customer got both – plus great lighting with virtually no maintenance.

Using a combination of LSI's CRO3 LED fixtures with 84 and 128 LEDs, both with integral motion sensors, translates to tremendous energy savings as compared to traditional light sources. With the intelligent internal motion sensors movement is detected in a 20-foot circle and fixtures are dimmed to 30% power when no presence is detected – further adding to the energy savings.

In addition to the LED canopy lights, LSI's LED area lights were installed.

Products Used: Crossover Generation 3 Ambient canopy fixtures (84 and 128 LEDs, Type S reflector; Integral Motion Sensor)
Crossover XAM area lights (119 LEDs, Type FT reflector) on 7m (24') poles

Results: Outstanding lighting – at full brightness and with the 30% dimming Great cutoff
75% monthly energy savings (*The owner's monthly electricity bill is RM 2,000 (\$645.00) as compared to the RM 8,000 (\$2,580) at a site with an HID light source.*)
Average RM 1,240 (\$400) annual maintenance savings as compared to traditional light source
3 year payback (*energy alone*)

