

Internet of Things - LED Portfolio

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BioMon Sensor SFH 7060		<ul style="list-style-type: none"> - Sensor for measuring heart rate and blood oxygen content - Improved geometry for optimized signal quality; light barrier to block optical crosstalk - Package size: 7.2 x 2.5 x 0.9 mm²; active detection surface: 1.7 x 1.7 mm² - Emitter color: red (660 nm), green (530 nm), infrared (940 nm)
IR OSOLON® SFH 4715AS		<ul style="list-style-type: none"> - IR light source with high efficiency; suitable for all CMOS / CCD camera systems - Package size: 3.75 x 3.75 x 2.3 mm²; Emitting angle ± 45° - Radiant intensity up to 780 mW/sr at 1 A (typ.); wavelength: 850 nm / 940 nm
IR OSOLUX® SFH 4780S		<ul style="list-style-type: none"> - IR light source with high efficiency; double stack emitter - Package size: 3.5 x 3.5 x 2.4 mm²; Viewing angle: ± 10° - Typical radiant intensity: 2900 mW/sr @1 A; wavelength: 810 nm
Photodiodes SFH 2440		<ul style="list-style-type: none"> - Low capacitance 135 pF for fast modulation / short measurement pulses - improves accuracy and reduces energy consumption - High sensitivity @ 550 nm of 0.37 A/W; Relative IR sensitivity < 5% - Large active area of 7 mm²
CHIPLED		<ul style="list-style-type: none"> - Extremely efficient light source with smallest dimensions available - RGB solutions at the minimum space - Perfect for 7-segment displays / illumination of switches & buttons
DISPLIX® Oval		<ul style="list-style-type: none"> - SMD epoxy package with silicone lens; black package provides superior contrast - Available in red (620 nm), yellow (590 nm), blue (466 nm) & true green (528 nm) - Viewing angle at 50 % IV: 110 (horizontal), 60 (vertical)
DURIS® E 3		<ul style="list-style-type: none"> - 3014 compact lumen package for perfect uniform illumination; 115° beam angle - High lumen and chromaticity maintenance; available CRI 80 (2700-6500 K) – all CCTs
DURIS® S 5		<ul style="list-style-type: none"> - 3030 package with 120° beam angle; typ. 32 lm / 181 lm/W at 65 mA (4000 K/CRI 80) - 3 and 6V versions available - Available in CRI 80 (2700-6500 K) and CRI 90 (2700-4000 K)
Multi CHIPLED		<ul style="list-style-type: none"> - SMT package epoxy resin; viewing angle 120° - Very compact package size fits best for high resolution narrow pitch video walls - Additive mixture of color stimuli by independent driving of each chip - Color: red (623 nm), true green (530 nm), blue (471 nm)
OSLON® Signal		<ul style="list-style-type: none"> - Ceramic-based high-performance package for cutting edge designs using significantly reduced number of LEDs per signal; 120° beam angle - Tiny power package perfect for standard secondary lenses for signal lights - Sets new standards in electro-optical efficiency even at high temperatures
OSLON® Square		<ul style="list-style-type: none"> - Most compact, high power, highly efficient 3030 package; 120° beam angle - Currently one of the most widely used LEDs in general lighting applications - Secondary lenses available to cover applications from streetlights to indoor spots - NEW reduced forward voltage typ. 2.80 V & NEW 5700 / 6500 K with CRI 90 min
PointLED®		<ul style="list-style-type: none"> - Only round package available on the market; Ideal for very thin designs - Flexibility of mounting: integration into pcb-board/top mount possible - Viewing angle at 50 % IV: 120°

Product Selector Guide by Application ✓ - recommendation	Fitness Tracking/ Health Monitoring	Biometric Identification	Surveillance	Home Appliances	General Lighting/ Control	Variable Message Signs/ Signage	Entertainment/ Gaming/Sports	Automotive
LED								
CHIPLED	✓	✓	✓					
CHIPLED 0402 / 0603				✓				
DISPLIX® Black/Blackprint/Oval						✓		
DURIS® E 3 / E 5				✓	✓			
DURIS® S 2 / S 5 / S 8 / S 10					✓			
Micro SIDELED®				✓				
Mini TOPLED®								✓
Multi CHIPLED	✓	✓	✓				✓	
MULTILED® Black Surface						✓	✓	
OSLON® Square			✓	✓	✓			
OSLON® Signal						✓		
OSLON® SSL					✓		✓	
OSRAM OSTAR® Projection Compact							✓	
OSRAM OSTAR® Projection Cube							✓	
PointLED®	✓			✓				✓
Power TOPLED®						✓		✓
Power TOPLED® with lens								✓
SIDELED®				✓				
SOLERIQ® S 13 / S 19					✓			
SYNIO® E4014								✓
TOPLED®						✓		✓
TOPLED® E3014				✓				
TOPLED® Black						✓		
TOPLED® Black Surface						✓	✓	
Infrared								
Ambient Light Sensor				✓	✓		✓	✓
BioMon Sensor SFH 7050 / 7051 / 7060	✓							
IR CHIPLED w/ lens SFH 4046	✓			✓	✓			
IR Mini MIDLED® SFH 4441	✓							
IR OSOLUX® SFH 4780S		✓						
IR OSOLON® Black Series		✓	✓	✓		✓	✓	✓
IR OSOLON® Black Series 150°		✓	✓	✓				✓
IR Platinum DRAGON®								✓
IR Power TOPLED® with lens			✓	✓				✓
Photodiodes BPW 34 S	✓						✓	
Photodiodes SFH 2701							✓	
Photodiodes SFH 2440	✓							
Proximity Sensor SFH 7771				✓	✓			
T-MIDLED SFH 4140				✓	✓			