

THT Lamp

Round Oval Tower Cylindrical Rectangular Square Triangular Straw Hat

Reflector Blinking Duo-Colour Full Colour Integrated Resistor

HOT OEM Housing Lamp

CHIP LED

0402 0404 0603 0606 0805 1206 (40°) 1206

1209 1210 (40°) 1210

HOT 0603BF (50°) 0805 Colour Lens

Mini SMD

2214

Light Bar

Graphic Display

Dot Matrix

THT Digital Display

THT Alphanumeric Display

SMD Digital Display

OLED Module / Switch / Display

Character Graphic

OLED Modules

OLED Switch Colour Mono

OLED Display

SUNLIKE DISPLAY TECH. CORP.

LCD Module

Character Graphic

LCD Modules

SUNLIKE DISPLAY TECH. CORP.

TFT LCD Display / Touch Panel

Touch

Amson

IC Integrated RGB

Applications:

- Smart Audio Devices
- Gaming Devices
- Transparent LED Display
- VR and Wearable Devices
- Automotive Interior

Features:

- Higher saturation
- Simpler circuit design
- Less production costs

AUTOMOTIVE AEC-Q102

1010 2020 3535 5050

PLCC6 3528 RGB+IR

620nm
525nm
470nm
850nm

Applications:

- Scanning Machine
- Money Detector

Side View

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3C Electronics

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① High-Beam

4-chip Headlamp (CW)

② Low-Beam

Ceramic 3535 (CW) 4-chip Headlamp (CW)

③ Front Fog Lamp

Ceramic 3535 (CW) Ceramic 3535 (Y) 3030 Flat (CW)

④ Daytime Running Lamp

Ceramic 3535 (CW) PLCC6 3433 (CW) 3030 Flat (CW)

⑤ Front Position Lamp

PLCC6 3433 (CW) 3030 Flat (CW)

⑥ Front Turn Indicator

PLCC2 3528 (Y) PLCC4 3528 (Y) 3030 30° (Y) Ceramic 3535 (PC Amber) Ceramic 3535 (Y) PLCC6 3433 (Y) PLCC6 3433 (PC Amber) 3030 Flat (PC Amber)

⑦ Side Turn Indicator

PLCC2 3528 (Y) PLCC4 3528 (Y) 3030 30° (Y) Ceramic 3535 (PC Amber) Ceramic 3535 (Y) PLCC6 3433 (Y) PLCC6 3433 (PC Amber) 3030 Flat (PC Amber)

⑧ Side Marker Lamp

PLCC2 3528 (Y) PLCC4 3528 (Y) 3030 30° (Y) Ceramic 3535 (PC Amber) Ceramic 3535 (Y) PLCC6 3433 (Y) PLCC6 3433 (PC Amber) 3030 Flat (PC Amber)

⑨ Rear Turn Indicator

PLCC2 3528 (R) PLCC2 3528 (Y) PLCC4 3528 (R) PLCC4 3528 (Y) 3030 30° (A) 3030 30° (A) 3030 30° (R) (PC Amber) Ceramic 3535 (Y) PLCC2 3528 (SR) PLCC2 3528 (A) PLCC4 3528 (A) (PC Amber) Ceramic 3535 (Y) PLCC6 3433 (PC Amber) PLCC6 3433 (PC Amber) 3030 Flat (PC Amber)

⑩ Brake Lamp

PLCC2 3528 (R) PLCC4 3528 (R) 3030 30° (A) 3030 30° (R) Ceramic 3535 (PC Amber) Ceramic 3535 (R) Ceramic 3535 (Y) PLCC2 3528 (SR) PLCC2 3528 (A) PLCC4 3528 (A) PLCC6 3433 (A) PLCC6 3433 (Y) PLCC6 3433 (PC Amber) 3030 Flat (PC Amber)

⑪ Tail Lamp

PLCC2 3528 (R) PLCC4 3528 (R) 3030 30° (A) 3030 30° (R) Ceramic 3535 (PC Amber) Ceramic 3535 (R) Ceramic 3535 (Y) PLCC2 3528 (SR) PLCC2 3528 (A) PLCC4 3528 (A) PLCC6 3433 (A) PLCC6 3433 (Y) PLCC6 3433 (PC Amber) 3030 Flat (PC Amber)

⑫ Rear Fog Lamp

Ceramic 3535 (R) PLCC6 3433 (A)

⑬ Backup Lamp

Ceramic 3535 (CW) PLCC6 3433 (CW) 3030 Flat (CW)

⑭ CHMSL

PLCC2 3528 (R) PLCC4 3528 (R) 3030 30° (A) 3030 30° (R) Ceramic 3535 (PC Amber) Ceramic 3535 (Y) PLCC2 3528 (SR) PLCC2 3528 (A) PLCC4 3528 (A) PLCC6 3433 (A) PLCC6 3433 (Y) PLCC6 3433 (PC Amber) 3030 Flat (PC Amber)

⑮ Rear Registration Plate Lamp

PLCC6 3433 (CW)

⑯ Trunk Lamp

PLCC2 3528 (CW/SR/Y/Y/G/G) PLCC6 3433 (CW)

⑰ Dome Lamp

PLCC6 3433 (CW) Ceramic 3535 (WW)

⑱ Reading Lamp

Ceramic 3535 (WW) Ceramic 3535 (CW)

⑲ Makeup Lamp

Ceramic 3535 (WW) Ceramic 3535 (CW)

⑳ Ambient Lighting

PLCC 6 3433 (RGB) iCLead 35 (RGB+HIC)

㉑ Dashboard Backlight

3030 30° (SR) PLCC4 3528 (Y/A/R) PLCC2 2214 (CW/SR/O/Y/Y/G/G/B) PLCC2 3528 (SR/R/A/Y/Y/G/B/B)

㉒ Dashboard Indicator

3030 30° (SR) PLCC4 3528 (Y/A/R) PLCC2 2214 (CW/SR/O/Y/Y/G/G/B) PLCC2 3528 (SR/R/A/Y/Y/G/B/B)

㉓ Dashboard Warning light

3030 30° (SR) PLCC4 3528 (Y/A/R) PLCC2 2214 (CW/SR/O/Y/Y/G/G/B) PLCC2 3528 (SR/R/A/Y/Y/G/B/B)

㉔ Center Stack(Switch/Button /HVAC/Radio/Navigation)

PCB 0603 non-slide leakage (R/O/Y/Y/G/G/B/B) PLCC2 2214 (CW/SR/O/Y/Y/G/G/B) PLCC2 3528 (SR/R/A/Y/Y/G/B/B)

㉕ Step Lamp

PLCC2 3528 (IB)

㉖ Projection Lamp

PLCC6 3433 (CW) 3030 Flat (CW)

㉗ Night Vision

Ceramic 3535BS DJ 90° (850nm) Ceramic 3535 VCSEL (850nm)

㉘ Adaptive Cruise Control (ACC)

Ceramic 3535BS DJ 90° (850nm) Ceramic 3535 VCSEL (850nm)

㉙ Forward Collision Warning (FCW)

Ceramic 3535BS DJ 90° (850nm) Ceramic 3535 VCSEL (850nm)

㉚ Pedestrian Detection

Ceramic 3535BS DJ 90° (850nm) Ceramic 3535 VCSEL (850nm)

㉛ Rear Collision Warning (RCW)

Ceramic 3535BS DJ 90° (850nm) Ceramic 3535 VCSEL (850nm)

㉜ Lane Departure Warning

Ceramic 3535BS DJ 90° (850nm) Ceramic 3535 VCSEL (850nm)

㉝ Blind Spot Detection

Ceramic 3535BS DJ 90° (850nm) Ceramic 3535 VCSEL (850nm)

㉞ Parking Assistance

Ceramic 3535BS DJ 90° (850nm) Ceramic 3535 VCSEL (850nm)

㉟ Driver Monitoring

Ceramic 3535BS DJ 90° (850nm) Ceramic 3535 VCSEL (850nm)

㊱ Occupant Detection

Ceramic 3535BS DJ 90° (850nm) Ceramic 3535 VCSEL (850nm)

㊲ Tailgate Motion Sensing

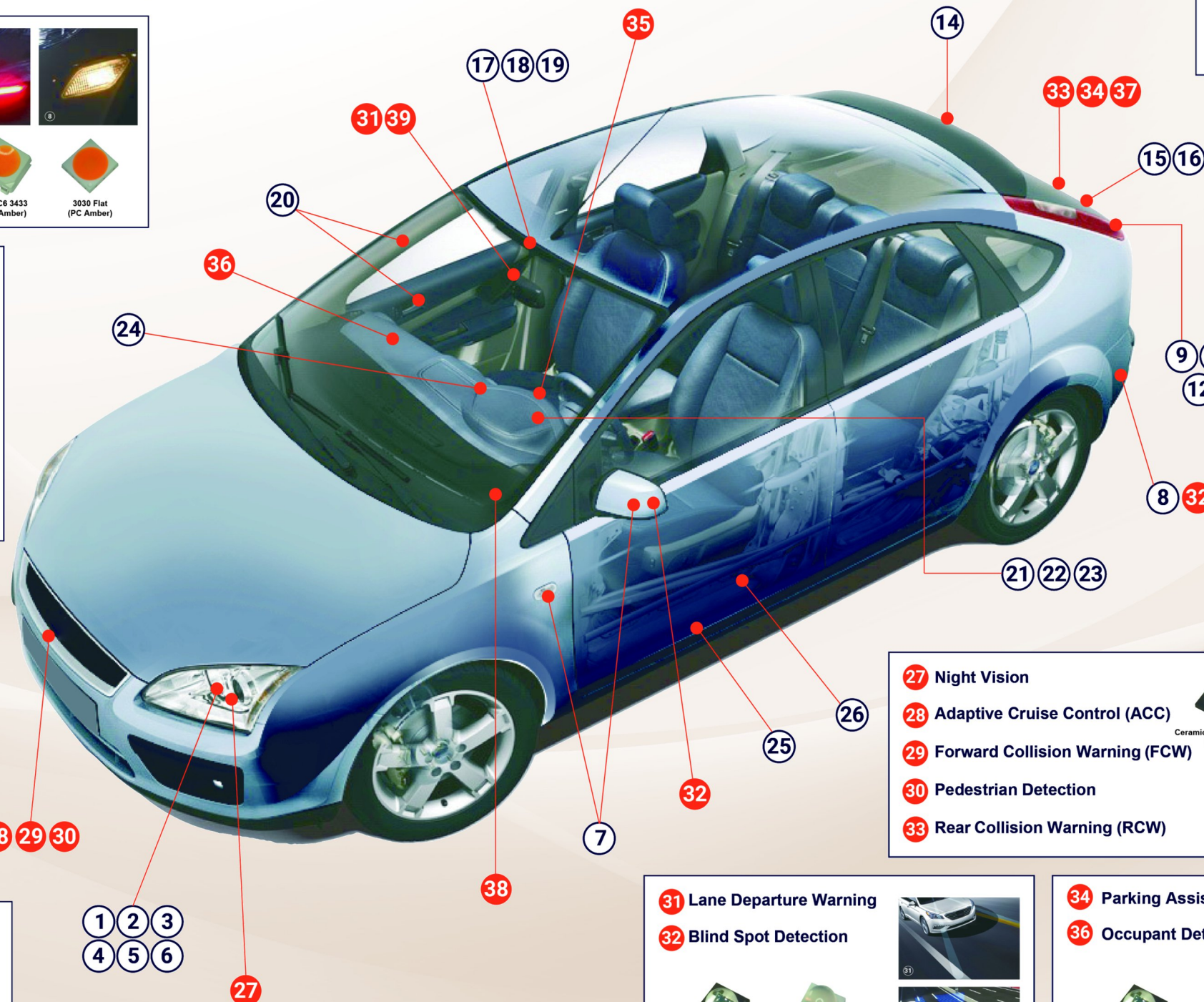
Ceramic 3535BS DJ 90° (850nm)

㊳ Head-Up Display

PCB 0603 (R/O/Y/Y/G/G/B/B)

㊴ Rain Sensor

3030 30° (IR)



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Automotive



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Single Colour **1**

0.06W



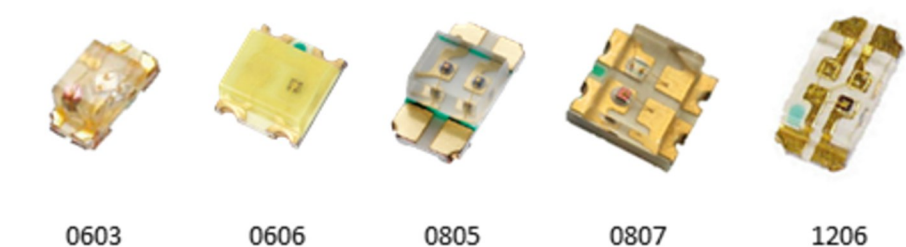
0.1~0.5W



1W+



Dual Colours **1+1**



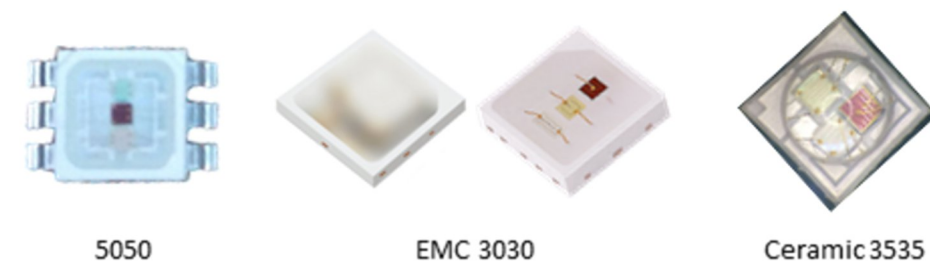
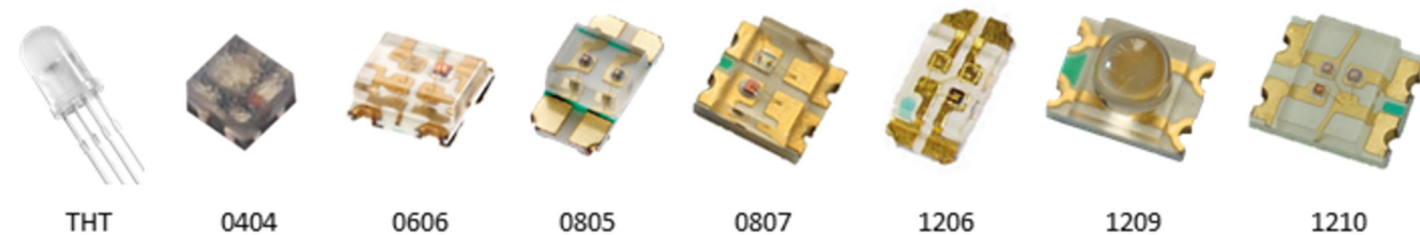
Side View



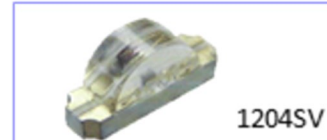
1W



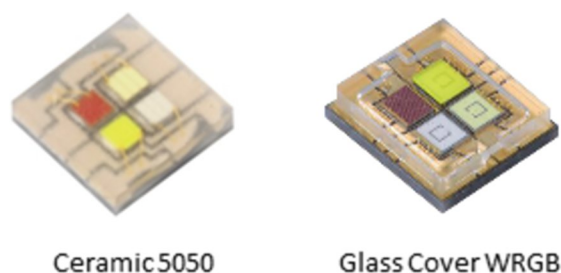
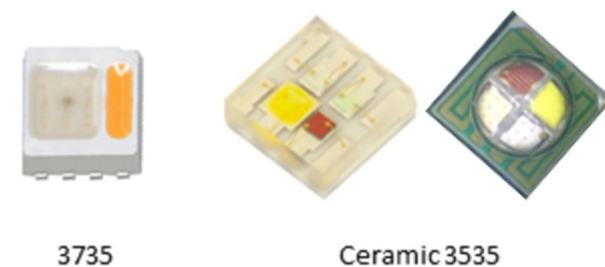
RGB / Tri Colours **1+1+1**



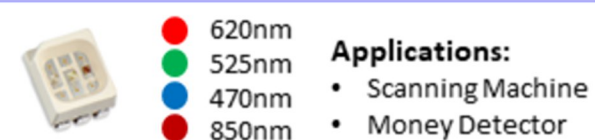
Side View



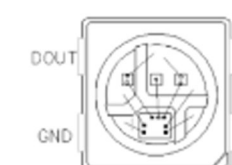
WRGB / Quad Colours **3+1**



PLCC6 3528 RGB+IR

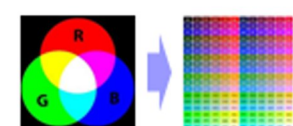
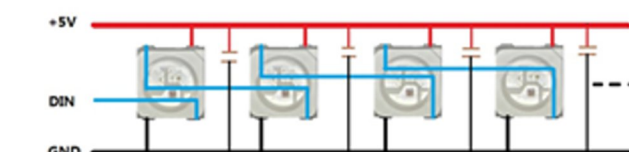


IC Integrated RGB **3+♥**



Applications:

- Smart Audio Devices
- Gaming Devices
- Transparent LED Display
- VR and Wearable Devices
- Automotive Interior



Features:

- Higher saturation
- Simpler circuit design
- Less production costs



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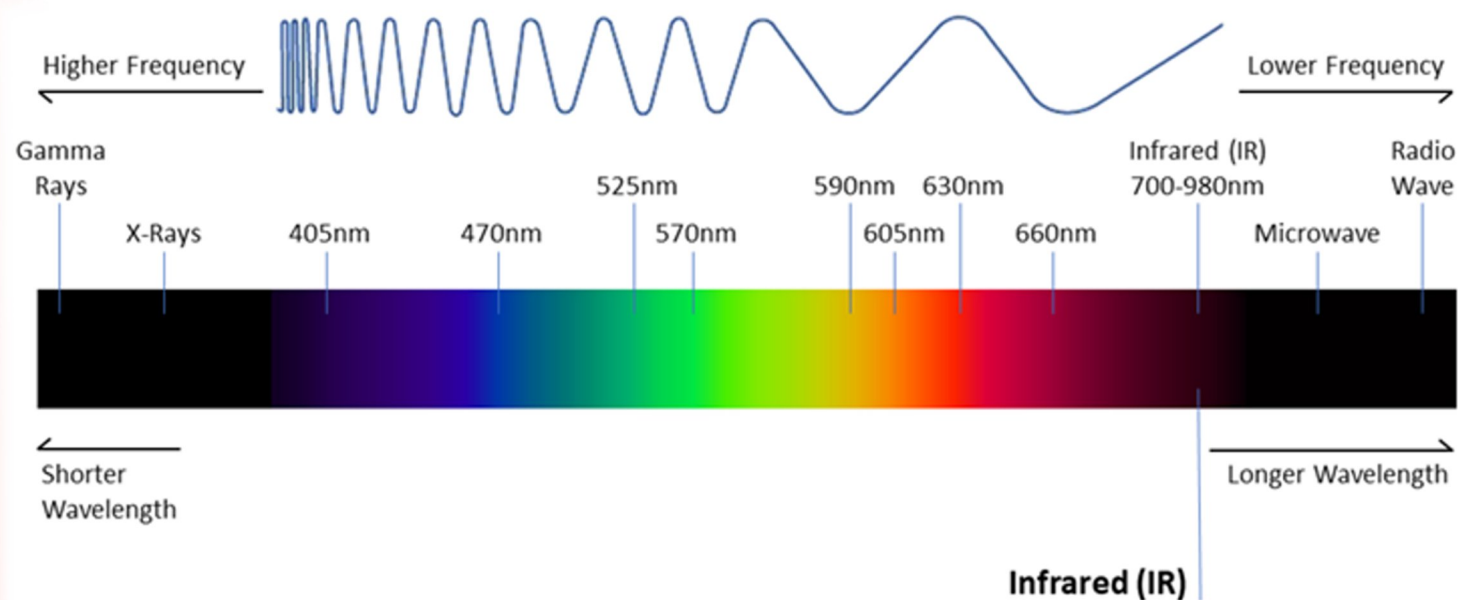
RGB / RGBW / IC-LED



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Infrared Applications



IR Applications

730nm	Intelligent transportation camera, licence plate recognition system.
808nm	Medical equipment, optical communication, infrared lighting, solid-state laser pump, iris recognition
830nm	Automatic highway card system
840nm	Waterproof IR zoom camera
850nm	Camera (video capture) digital photography, security monitoring, floor apartment intercom, burglar alarm, infrared waterproof, face recognition
870nm	Commercial and crossroad security cameras
940nm	Remote control, full covert surveillance camera

THT Lamp



Applications:

- Remote Control
- Security Camera

K1



Applications:

- CCTV Surveillance
- Security Camera

CHIP and PLCC LED



Applications:

- 3C Consumer Goods
- Wearable Device

PLCC6 3528 RGB+IR



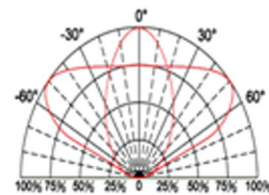
Applications:

- Scanning Machine
- Money Detector

Ceramic 3535 - 16:9 Rectangular Light Pattern



3535 16:9 Rectangular



X=45° Y=35°
X=50° Y=38°
X=130° Y=85°
X=140° Y=100°

Applications:

- Baby Monitor Camera
- CCTV in School and Hospital
- High Vision Coverage Application



Standard dom lens



16:9 rectangular lens

EMC 3030

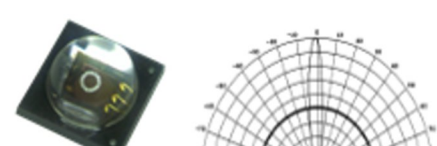


30°

90°

120°

Ceramic 3535BS - VCSEL



15°

Features:

- Narrow viewing angle
- High axial intensity
- Black ceramic substrate
- Far distance illumination
- Up to 200m with 2nd lens

Ceramic 3535



60°

120°

Ceramic 3535BS Single Junction / Dual Junction



90°

120°

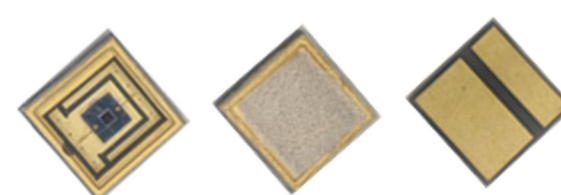
Features:

- Black ceramic substrate
- Variable viewing angle
- Single or Dual junction
- Compatible solder pads
- High radiant power

EMC 3030 and Ceramic 3535 / 3535BS Applications:

- Facial Recognition
- Automotive Night Vision
- Depth Detector
- Proximity Sensor
- Drone
- Sweeping Machine
- Motion Tractor
- Traffic Surveillance
- Iris recognition
- Gesture Detector
- HD CCTV Camera
- Network Camera

ToF 3535



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Infrared (IR)



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0.2W Mid Power



0.5W Mid Power



1W High Power



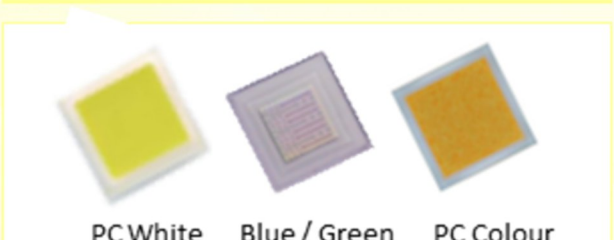
NCSP Cube (0.5~1W)



3W+ High Power



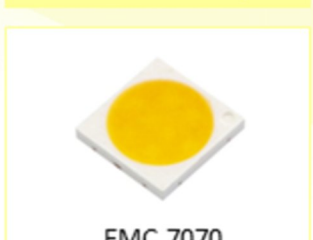
CSP (1~5W)



3~5W M-Chips



7~10W M-Chips



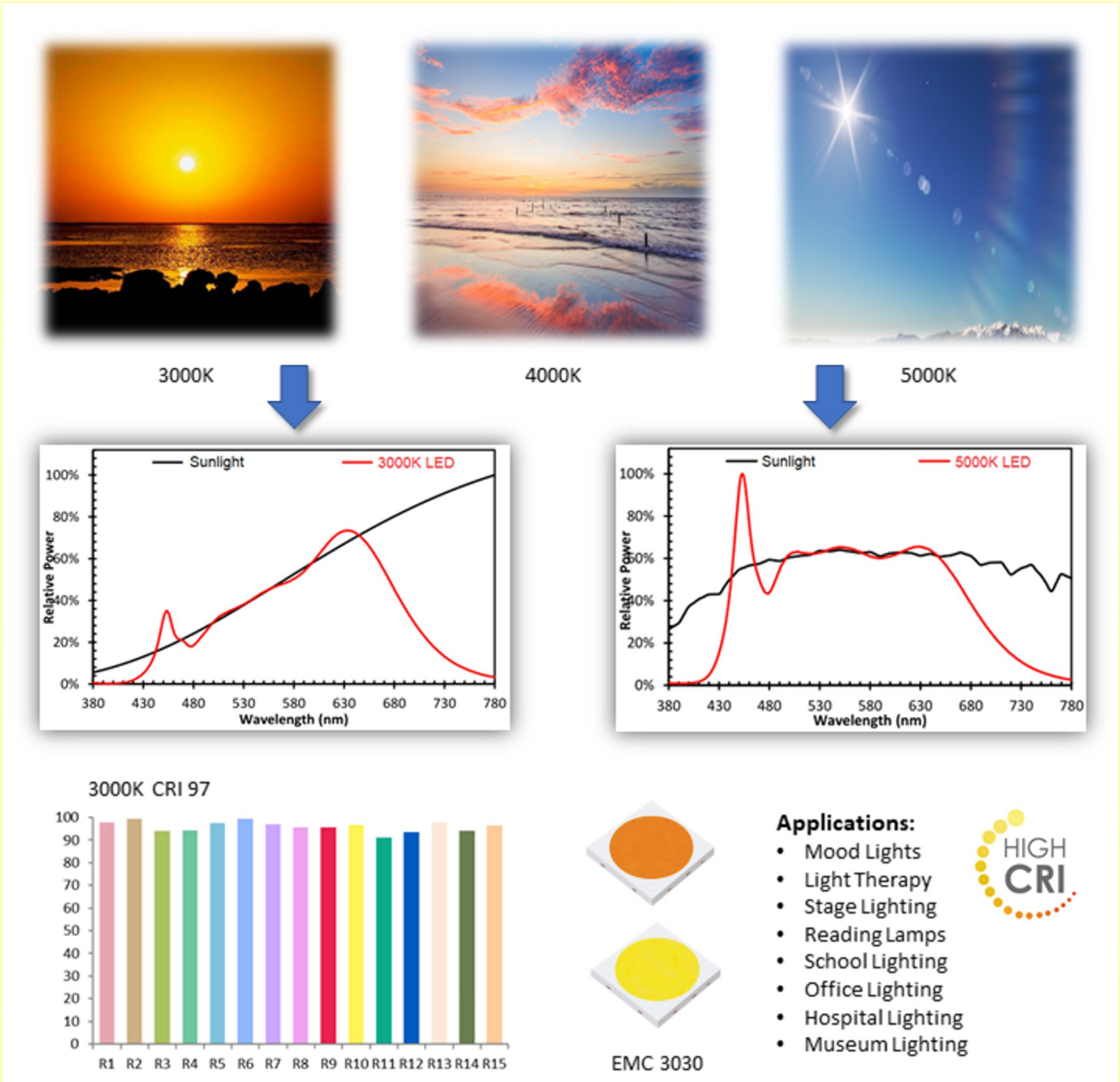
15~20W M-Chips



10~200W COB



High CRI Ra 90/95/97 Sun Like



Side View



Dual Whites



Head Lamp



Filament

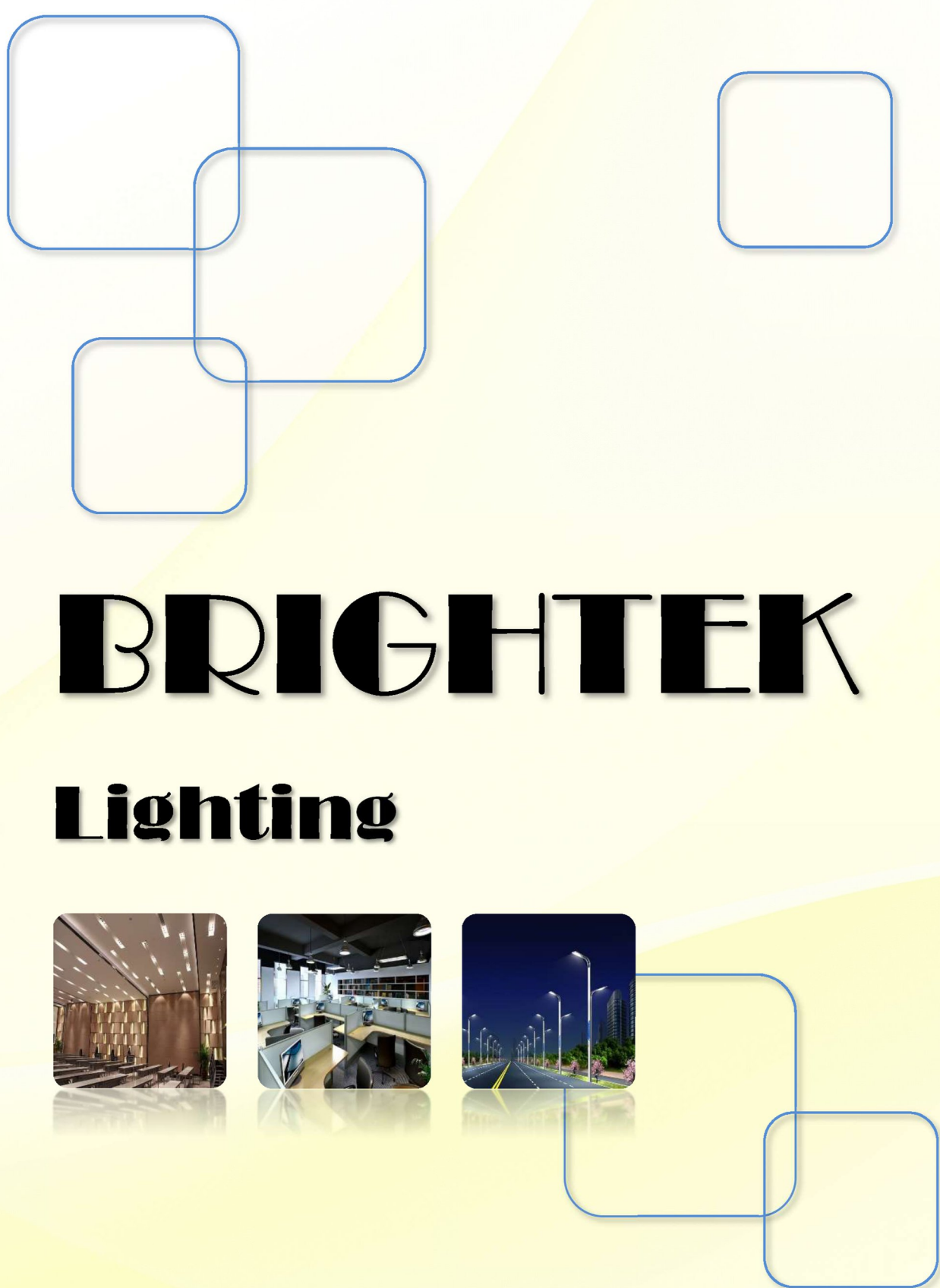


Photo Diodes



THT

Phototransistors



0805

1206

THT

THT Right Angle

Photo DMOS Relay



SOP4

SOP8

SMD4

SMD6

SMD8

DIP4

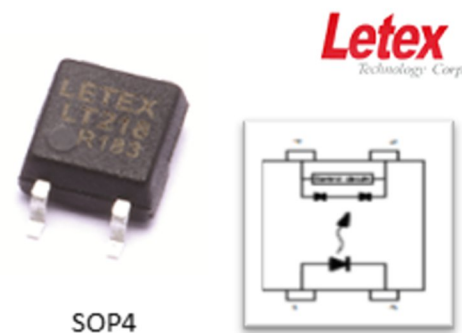
DIP6

DIP8

Photointerrupters



Photo-Voltaic MOSFET Drivers



SOP4

LED Control IC Drivers



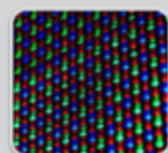
Lighting



Backlighting



High Power

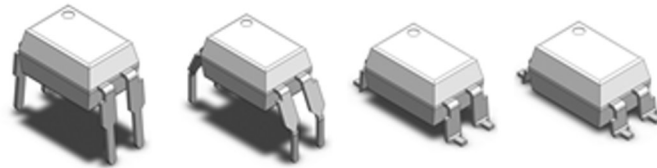


RGB Display



VMS

Photocouplers



DIP4:

- Transistor
- Darlington Transistor
- TRIAC Random Phase
- TRIAC Zero Cross



LSOP4/5:

- Transistor
- High Speed Transistor
- TRIAC
- IGBT Gate Driver



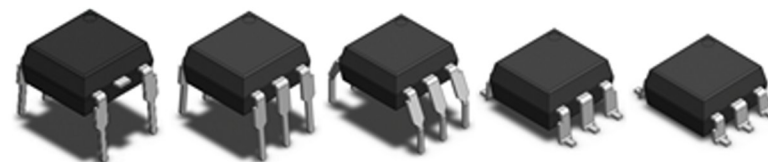
SOP4:

- TRIAC Random Phase
- TRIAC Zero Cross
- Transistor
- Darlington Transistor



SOP5:

- High Speed Transistor
- High Speed Logic Gate
- IGBT Gate Driver



DIP5/6:

- TRIAC Random Phase
- TRIAC Zero Cross
- Transistor
- Schmitt Trigger



DIP8:

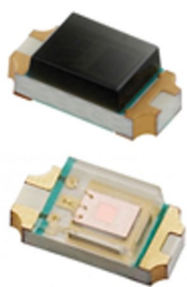
- High Speed Transistor
- High Speed Logic Gate
- Gate Driver



DIP7:

- SSR Random Phase
- Photo TRIAC
- Power TRIAC

Ambient Light Sensors

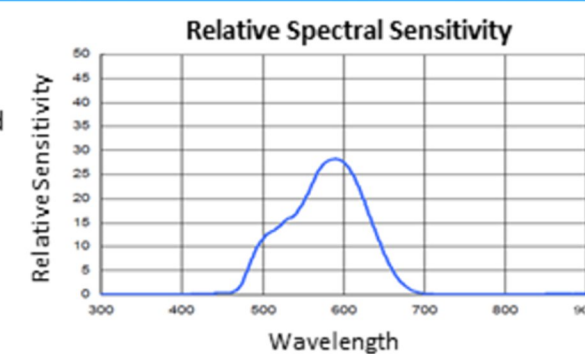


1206

Features:

- Analog voltage signal output
- Good linear relationship between signal and illuminance
- Close to Human Eye spectral response
- High accuracy at sensor detective range

Illuminance Range: 10-100-1000-10000 lux



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Photo-Electronics

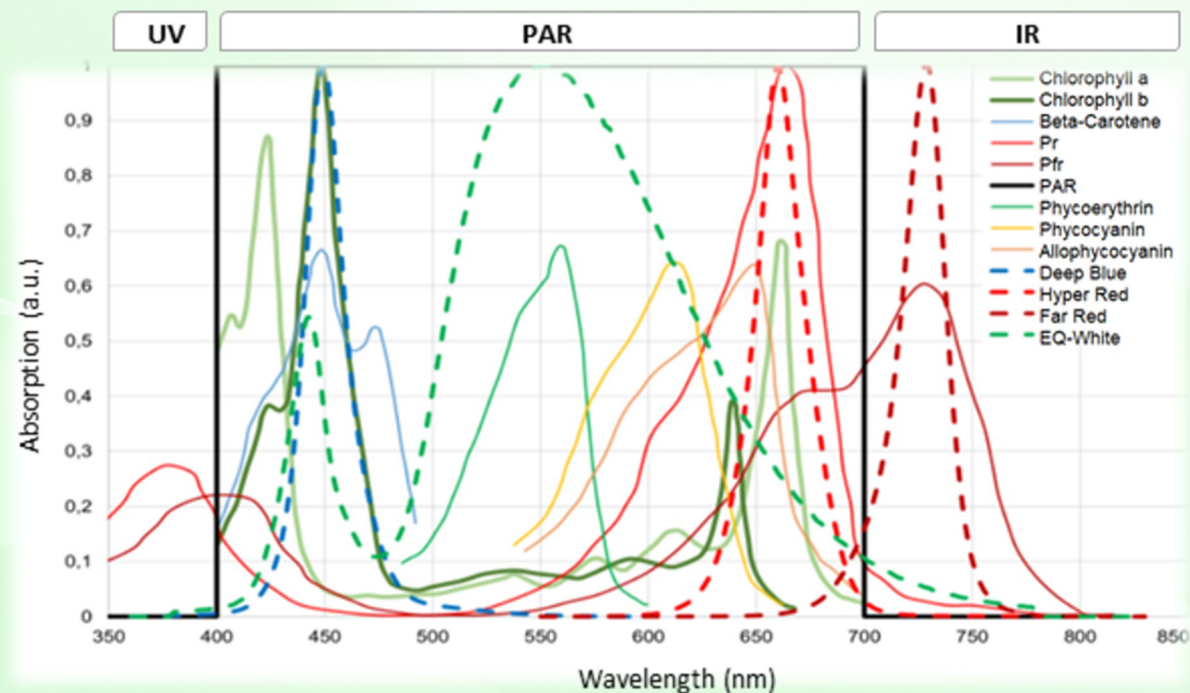


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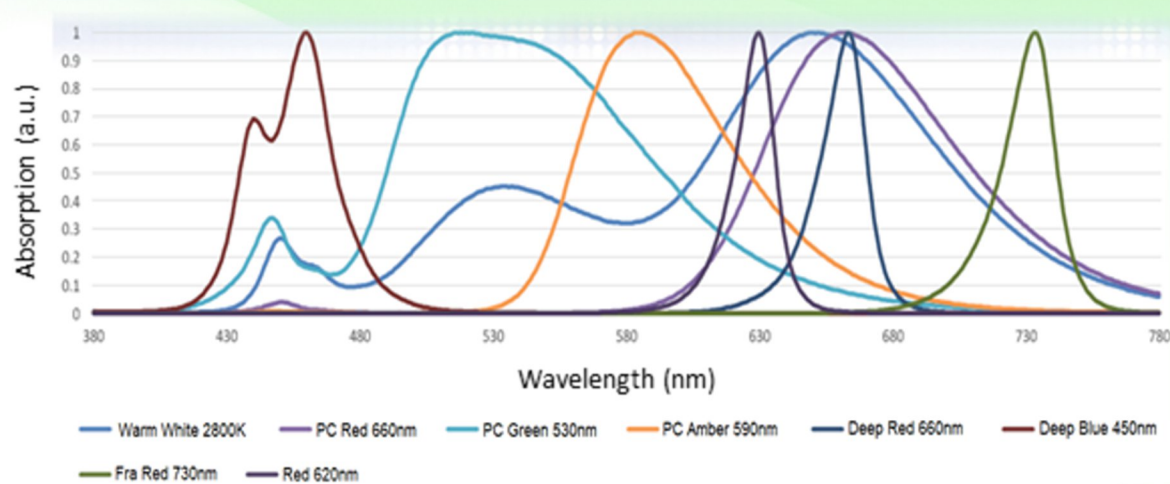
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Absorption Spectrum of Plants



LED Spectrum Solutions



EMC 2835 - 0.2W



EMC 3030 - 1W



EMC 5050 - 2W



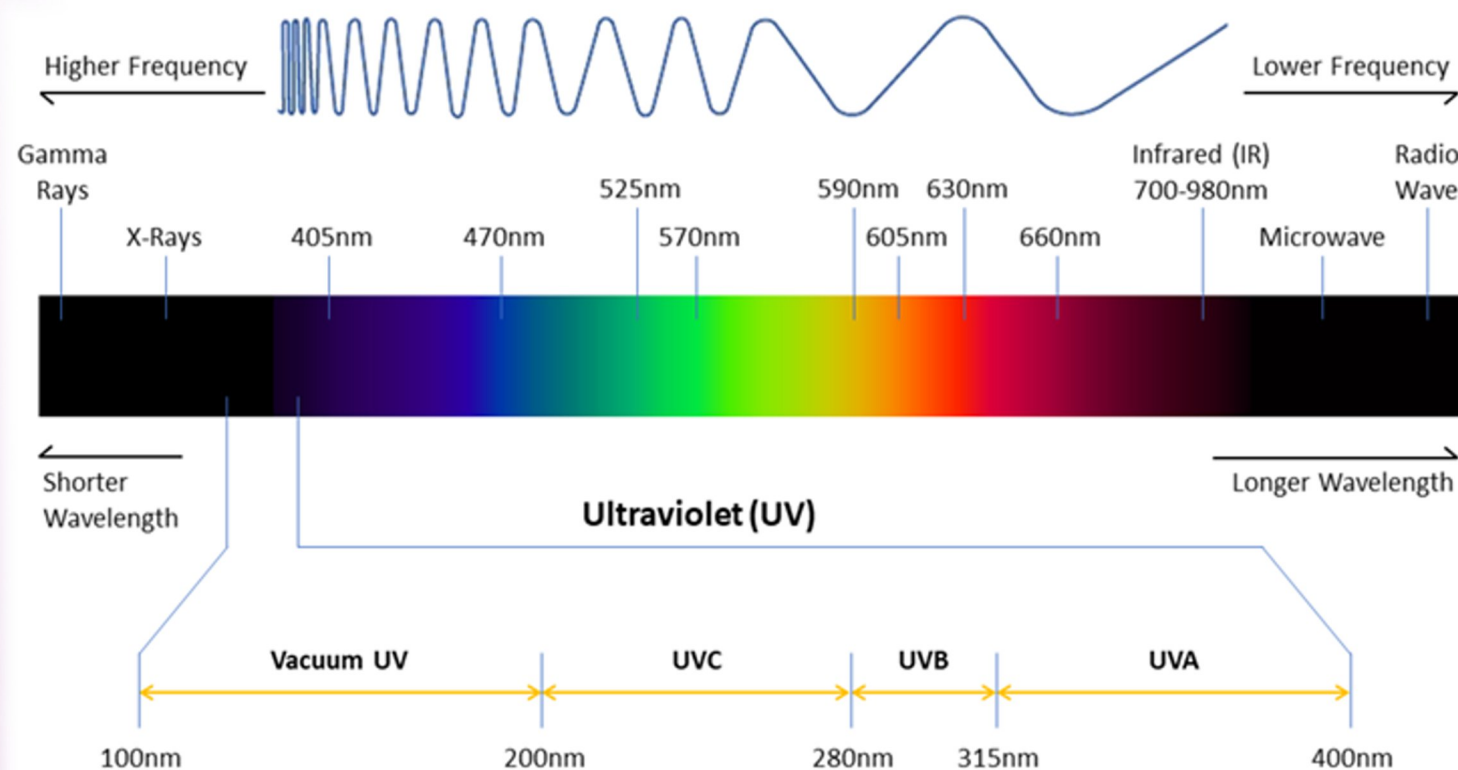
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Horticulture Lighting



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Ultraviolet Applications



UV Applications

UVA	Hardening of the polymer or printer ink, gas measurement, nitrogen factor measurement, insect traps, lighting, optical sensing, image tone measurement ID to identify counterfeit, white light source, curing, photocatalyst air purification.
UVB	UV-curable optical treatment, optical sensors, image tone measurements, crime analysis, protein analysis, DNA identification, drug development, plant growth.
UVC	Sterilization, ozone detection, clear surface water pollution, protein analysis, DNA identification, drug development, optical sensors, image tone measurement.

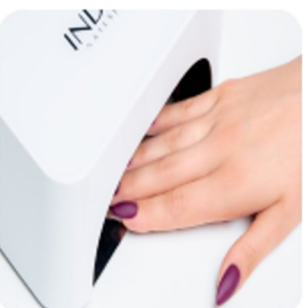
THT Lamp



CHIP LED



PLCC SMD



K1



Ceramic Au Plated 3535



Ceramic Au Plated 5252



EMC 3030



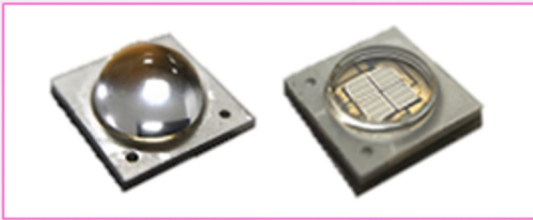
Ceramic 3939



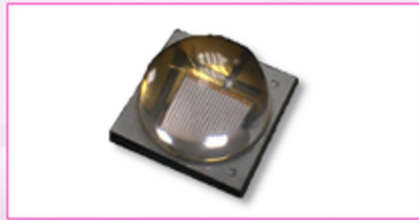
Ceramic 5050



Ceramic 6868



Ceramic 9090



EMC 3030



Cosmetic / Light Therapy LED

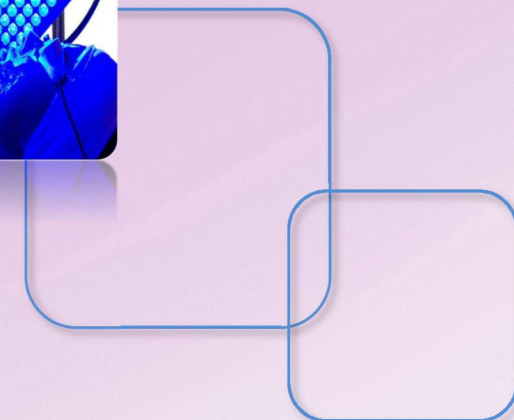
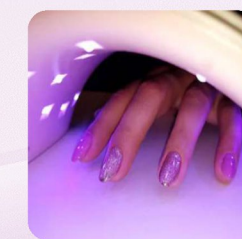
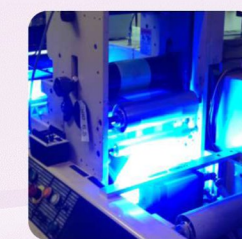
Wavelength	Light Therapy Effect*
750-1000nm	Amplifier: Penetrates deeper into the skin for amplified results.
625-700nm	Anti-Aging: Combats wrinkles and increases collagen production for younger looking skin.
590-625nm	Revitalizer: Promotes a brighter glow for more radiant skin.
565-590nm	Redness Reducer: Alleviates redness from inflammation, sunburn and rosacea.
520-565nm	Skin Balancer: Help even skin complexion for naturally beautiful skin.
500-520nm	Skin Soother: Calms and soothes irritated skin. Supports in reducing the size of capillaries.
440-500nm	Anti-Acne: Eliminates acne-causing bacteria and reduce acnes.
400-420nm	Cell Rejuvenation: Increases cell regeneration and renewal.

* We do not provide medical usage certificate.



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UV / Cosmetic LED



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