

Product catalogue

2015 Q1-Q2

BRIGHTTEK
BRIGHTTEK (EUROPE) LIMITED



3535XP 1-3W CERAMIC SMD

- **GREEN**
- **QUALITY**
- **INNOVATION**



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APPLICATIONS



High Bay Light



Stage Lighting



Street Light



Architectural Lighting



General Lighting



Outdoor Lighting



Plant Growing Light



Automotive Lighting*

WHITE



3535 WHITE



P/N	Product Description
NOW10S07P	3535 2.0t, Warm White, 1500-1900lm, 1~3W, 350/700/1000mA, 75/131/168lm, 3.2V, 120°, Automotive, CRI 70
NOW10S05	3535 2.0t, Warm White, 1980-2240K, 1~3W, 350/700/1000mA, 80/140/180lm, 3V, 120°, CRI 70
NOW06S60	3535 2.0t, Warm White, 2580-3710K, 1~2W, 350mA, 100lm, 3.2V, 120°, CRI 80
NOW09S09	3535 2.0t, Warm White, 2725-3045K, 1~3W, 350/700/1000mA, 110/192/247lm, 3V, 120°, CRI 82
NOW09S96ZP	3535 2.0t, Warm White, 2725-3045K, 1~2W, 350/700mA, 78/131lm, 3.2V, 120°, with Zeners, CRI 90
NOW06S59	3535 2.0t, Natural White, 3710-4745K, 1~2W, 350mA, 120lm, 3.2V, 120°, CRI 80
NOW09S94ZP	3535 2.0t, Natural White, 3710-4260K, 1~2W, 350/700mA, 90/157lm, 3.2V, 120°, with Zeners, CRI 90
NOW10S02	3535 2.0t, Natural White, 3710-4260K, 1~3W, 350/700/1000mA, 130/227/292lm, 3V, 120°, CRI 70
NOW10S03	3535 2.0t, Natural White, 3710-4260K, 1~3W, 350/700/1000mA, 110/192/247lm, 3V, 120°, CRI 82
NOW06S58	3535 2.0t, Cool White, 4745-7040K, 1~2W, 350mA, 120lm, 3.2V, 120°, CRI 70
NOW09S92ZP	3535 2.0t, Cool White, 4746-5310K, 1~2W, 350/700mA, 90/157lm, 3.2V, 120°, with Zeners, CRI 90
NOW10S01	3535 2.0t, Cool White, 4746-5310K, 1~3W, 350/700/1000mA, 130/227/292lm, 3V, 120°, CRI 70
NOW16S69	3535 2.0t, Cool White, 5310-6020K, 1~3W, 350/700/1000mA, 120/210/270lm, 3.2V, 120°, CRI 82
NOW09S89ZP	3535 2.0t, Cool White, 5710-6530K, 1~2W, 350/700mA, 100/175lm, 3.2V, 120°, with Zeners, CRI 90
NOW09S99	3535 2.0t, Cool White, 5710-6530K, 1~3W, 350/700/1000mA, 130/227/292lm, 3V, 120°, CRI 70
NOW10S00	3535 2.0t, Cool White, 5710-6530K, 1~3W, 350/700/1000mA, 120/210/270lm, 3V, 120°, CRI 82
NOW10S06P	3535 2.0t, Cool White, 5710-8530K, 1~3W, 350/700/1000mA, 130/227/292lm, 3.2V, 120°, Automotive, CRI 70



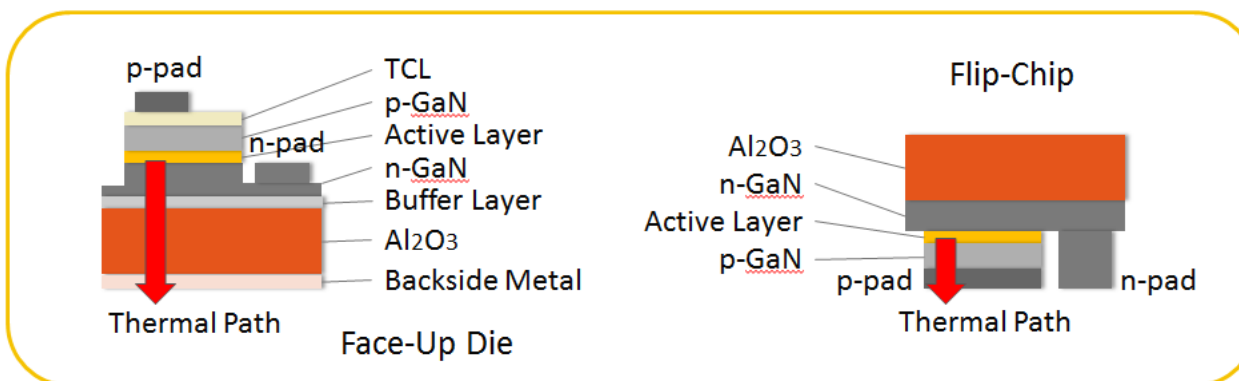
FLIP-CHIP SERIES

P/N	Product Description
<u>NOW10S07P</u>	3535 2.0t, Warm White, 1500-1900lm, 1~3W, 350/700/1000mA, 75/131/168lm, 3.2V, 120°, Automotive, CRI 70
<u>NOW10S05</u>	3535 2.0t, Warm White, 1980-2240K, 1~3W, 350/700/1000mA, 80/140/180lm, 3V, 120°, CRI 70
<u>NOW09S09</u>	3535 2.0t, Warm White, 2725-3045K, 1~3W, 350/700/1000mA, 110/192/247lm, 3V, 120°, CRI 82
<u>NOW10S02</u>	3535 2.0t, Natural White, 3710-4260K, 1~3W, 350/700/1000mA, 130/227/292lm, 3V, 120°, CRI 70
<u>NOW10S03</u>	3535 2.0t, Natural White, 3710-4260K, 1~3W, 350/700/1000mA, 110/192/247lm, 3V, 120°, CRI 82
<u>NOW10S01</u>	3535 2.0t, Cool White, 4746-5310K, 1~3W, 350/700/1000mA, 130/227/292lm, 3V, 120°, CRI 70
<u>NOW16S69</u>	3535 2.0t, Cool White, 5310-6020K, 1~3W, 350/700/1000mA, 120/210/270lm, 3.2V, 120°, CRI 82
<u>NOW09S99</u>	3535 2.0t, Cool White, 5710-6530K, 1~3W, 350/700/1000mA, 130/227/292lm, 3V, 120°, CRI 70
<u>NOW10S00</u>	3535 2.0t, Cool White, 5710-6530K, 1~3W, 350/700/1000mA, 120/210/270lm, 3V, 120°, CRI 82
<u>NOW10S06P</u>	3535 2.0t, Cool White, 5710-8530K, 1~3W, 350/700/1000mA, 130/227/292lm, 3.2V, 120°, Automotive, CRI 70



FLIP-CHIP SERIES

- Flip-Chip (Wire-Bond Free)



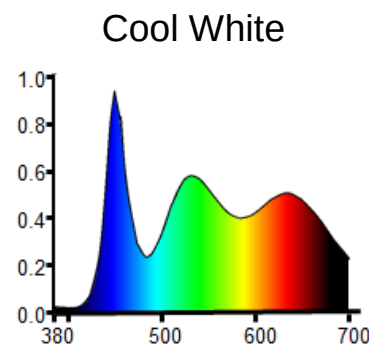
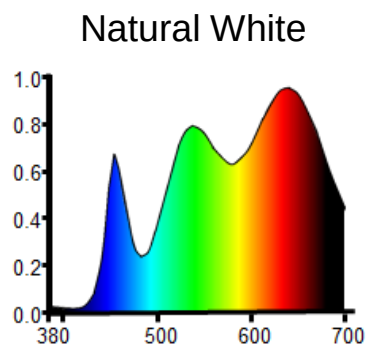
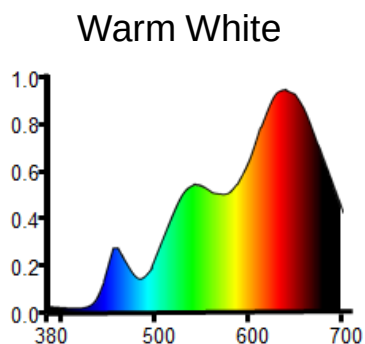
- Higher performance and higher reliability.
- Shorter thermal path. Better thermal resistance.
- Phosphor convert process (phosphor-on-die).
- Higher driving current. Driving current upto 1A.
- No shadow of wire. Higher light output.
- Eutectic die-bonding process applied.





HIGH CRI SERIES

P/N	Product Description
NOW09S96P	3535 2.0t, Warm White, 2725-3045K, 1~2W, 350/700mA, 78/131lm, 3.2V, 120°, with Zeners, CRI 90
NOW09S94P	3535 2.0t, Natural White, 3710-4260K, 1~2W, 350/700mA, 90/157lm, 3.2V, 120°, with Zeners, CRI 90
NOW09S92P	3535 2.0t, Cool White, 4746-5310K, 1~2W, 350/700mA, 90/157lm, 3.2V, 120°, with Zeners, CRI 90
NOW09S89P	3535 2.0t, Cool White, 5710-6530K, 1~2W, 350/700mA, 100/175lm, 3.2V, 120°, with Zeners, CRI 90



CRI=90



AUTOMOTIVE*

Features:

- External / Internal Automotive Application
- NiPdAu Lead Frame
- Flip-Chip (Wire-Bond Free)
- Application:
 - ☐ Daytime Running Light (DRL)
 - ☐ Head Lamp
 - ☐ Door Lamp
 - ☐ Reading Lamp



* under AEC-Q101 testing, available in 2015 Q2

P/N	Product Description
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<u>NOW10S07P</u>	3535 2.0t, Warm White, 1500-1900lm, 1~3W, 350/700/1000mA, 75/131/168lm, 3.2V, 120°, Automotive, CRI 70
<u>NOW10S06P</u>	3535 2.0t, Cool White, 5710-8530K, 1~3W, 350/700/1000mA, 130/227/292lm, 3.2V, 120°, Automotive, CRI 70

COLOUR



3535 COLOUR

P/N	Product Description
<u>N0B09S84Z</u>	3535 2.0t, Blue, 450-460nm, 1~2W, 350/700mA, 16/26lm, 3.4V, 120°, with Zeners, for Plant Growing
<u>N0B09S80Z</u>	3535 2.0t, Blue, 460-470nm, 1~2W, 350/700mA, 28/46lm, 3.4V, 120°, with Zeners
<u>N0B16S70Z</u>	3535 2.0t, Blue, 470-480nm, 1~2W, 350/700mA, 35/56lm, 3.4V, 120°, with Zeners
<u>N0G09S79Z</u>	3535 2.0t, Green, 520-530nm, 1~2W, 350/700mA, 100/165lm, 3.4V, 120°, with Zeners
<u>N0Y09S81</u>	3535 2.0t, Yellow, 585-595nm, 1~2W, 350/700mA, 55/93lm, 2.4V, 120°
<u>N0Y10S12P</u>	3535 2.0t, Yellow, 585-595nm, 1~2W, 350/700mA, 55/93lm, 2.4V, 120°, Automotive
<u>N0R09S78</u>	3535 2.0t, Red, 620-630nm, 1~2W, 350/700mA, 50/85lm, 2.4V, 120°
<u>N0R16S77P</u>	3535 2.0t, Red, 620-630nm, 1~2W, 350/700mA, 55/93lm, 2.4V, 120°, Automotive
<u>N0R16S78P</u>	3535 2.0t, Red, 620-630nm, 1~2W, 350/700mA, 55/93lm, 2.4V, 60°, Automotive
<u>N0R09S83</u>	3535 2.0t, Red, 650-670nm, 1~2W, 350/700mA, 18/30lm, 2.4V, 120°, for Plant Growing

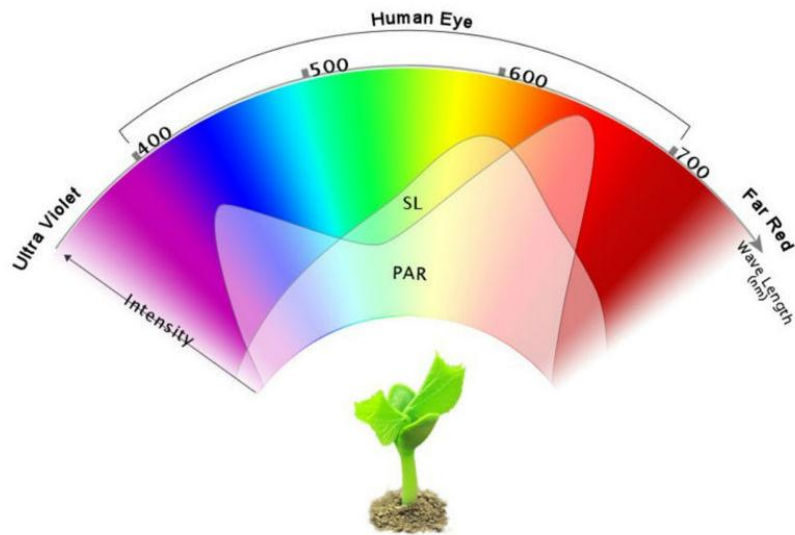




PLANT GROWING

P/N Product Description

<u>N0B09S84Z</u>	3535 2.0t, Blue, 450-460nm, 1~2W, 350/700mA, 16/26lm, 3.4V, 120°, with Zeners, for Plant Growing
<u>N0R09S83</u>	3535 2.0t, Red, 650-670nm, 1~2W, 350/700mA, 18/30lm, 2.4V, 120°, for Plant Growing



SL: Solar Light
PAR: Photosynthetically Active Radiation





AUTOMOTIVE*

Features:

- External / Internal Automotive Application
- NiPdAu Lead Frame
- Application:
 - ☐ Stop Light
 - ☐ Turning Light
 - ☐ Turning Light on Mirror



* under AEC-Q101 testing, available in 2015 Q2

P/N	Product Description
NOY10S12P	3535 2.0t, Yellow, 585-595nm, 1~2W, 350/700mA, 55/93lm, 2.4V, 120°, Automotive
NOR16S77P	3535 2.0t, Red, 620-630nm, 1~2W, 350/700mA, 55/93lm, 2.4V, 120°, Automotive
NOR16S78P	3535 2.0t, Red, 620-630nm, 1~2W, 350/700mA, 55/93lm, 2.4V, 60°, Automotive

INFRARED (IR)

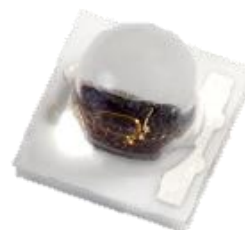


3535 INFRARED (IR)

P/N	Product Description	Available with 60°, 120° and Flat lens
NOF10S09	3535 2.0t, Infrared (IR), 840-870nm, 1~4W, 350/1400mA, 275/832mW, 1.6V, 60°	
NOF10S11	3535 2.0t, Infrared (IR), 840-870nm, 1~4W, 350/1400mA, 275/832mW, 1.6V, 120°	
NOF16S71	3535 2.0t, Infrared (IR), 840-870nm, 1~3W, 350/1000mA, 250/650mW, 1.6V, 120°	
NOF16S72	3535 2.0t, Infrared (IR), 840-870nm, 1~3W, 350/1000mA, 250/650mW, 1.6V, 60°	
NOF16S73	3535 2.0t, Infrared (IR), 840-870nm, 1~2W, 350/600mA, 225/382mW, 1.6V, 120°	
NOF16S74	3535 2.0t, Infrared (IR), 840-870nm, 1~2W, 350/600mA, 225/382mW, 1.6V, 60°	
NOF16S32P	3535 Flat 1.0t , Infrared (IR), 840-870nm, 1~3W, 350/1000mA, 240/650mW, 1.6/2.2V, 120°	
NOF16S33P	3535 Flat 1.0t , Infrared (IR), 930-950nm, 1~3W, 350/500mA, 240/410mW, 1.6/1.8V, 120°	

• Application:

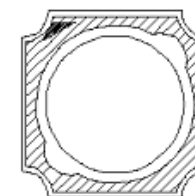
- ☐ Security Device
- ☐ Surveillance Camera
- ☐ Plant Growing Light
- ☐ De-Icing for Traffic Signs
- ☐ Automotive:
Event Data Recorder*



60°



120°



Flat Lens
for flexible 2nd
optics design



* under AEC-Q101 testing, available in 2015 Q2

ULTRAVIOLET (UV)

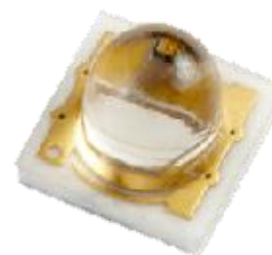


3535 ULTRAVIOLET (UV)

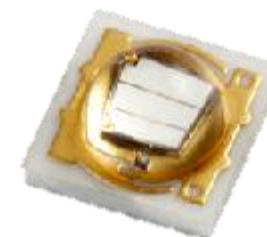
P/N	Product Description	Available with 60° and 120° lens
N0Q10S93Z	3535 2.0t, Ultraviolet (UV), 390-410nm, 1~2W, 500/700mA, 740/984mW, 3.72V, 120°, with Zeners	
N0Q10S94Z	3535 2.0t, Ultraviolet (UV), 390-410nm, 1~2W, 500/700mA, 740/984mW, 3.72V, 60°, with Zeners	
N0Q10S95Z	3535 2.0t, Ultraviolet (UV), 380-390nm, 1~2W, 500/700mA, 740/984mW, 3.72V, 120°, with Zeners	
N0Q10S96Z	3535 2.0t, Ultraviolet (UV), 380-390nm, 1~2W, 500/700mA, 740/984mW, 3.72V, 60°, with Zeners	
N0Q16S79Z	3535 2.0t, Ultraviolet (UV), 410-430nm, 1~2W, 500/700mA, 740/984mW, 3.72V, 120°, with Zeners	
N0Q16S80Z	3535 2.0t, Ultraviolet (UV), 410-430nm, 1~2W, 500/700mA, 740/984mW, 3.72V, 60°, with Zeners	

- **Application:**

- ☐ Industrial Curing
- ☐ Air Purifier
- ☐ Poster Printing Curing
- ☐ Counterfeit Money Detector
- ☐ Blood Detector
- ☐ Nail Curing
- ☐ Teeth Curing



60°



120°

IC DRIVER

IC DRIVER



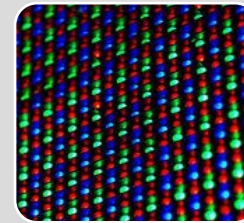
Lighting



Backlighting



High Power



RGB Display



VMS

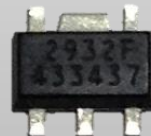
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SCT2932



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SCT2167
SCT2168

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