

Direct Mountable Chip

Color LED

High luminous flux density

Wide variety of power options

Easy control

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High luminous flux density chip scale LED

Nichia's Direct Mountable Chip is a chip scale LED. Matching the LED package size to the light-emitting surface area offers high luminous flux density from the limited space within a luminaire.

The color series offers a wide variety of discrete colors in two size options (1.1mm×1.1mm in four colors and 1.7mm×1.7mm in eleven colors) with a similar voltage level for each size to allow for easier fixture design.

This range complements a white series with color temperatures ranging from 1800K to 6500K, and color rendering index options from Ra≥70 to Ra≥90. The solutions enable fixture miniaturization, optimal color mixing, and uniformed forward voltage in all colors making electrical control easier.

- ✓ Easier compact fixture design
- ✓ Simpler tunable and multi-color fixture design
- ✓ Wide variety of power options

Discrete Color Options

11A - V1	Blue (Chip)	Green (Phosphor)	Brilliant Red (Phosphor)	Red (Phosphor)
Part No.	 NFSBE11A-V1L1	 NFSGE11A-V1	 NFSRE11A-V1	
λd (nm)	474	538	612	618
V _F	2.83	2.80	2.80	2.80
Typ. Flux (lm)	9.5	41.9	11.5	6.5

Size Options

The color series offers a wide variety of discrete colors in two size options with a similar voltage level for each size to allow for easier fixture design.

1.1mm×1.1mm	4 colors
1.7mm×1.7mm	11 colors

17A - V1	Royal Blue (Chip)	Blue (Chip)	Azure (Phosphor)	Bluish Green* (Chip)	Green* (Chip)	Green (Phosphor)	Lime (Phosphor)	Amber (Phosphor)
Part No.	 NCSCE17A	 NCSBE17A	 NCSEE17A-V1	 NCSEE17A-V1L1	 NCSGE17A-V1L1	 NCSGE17A-V1		 NSCAE17A-V1
λd (nm)	453	473	486	505	527	538	567	590
V _F	3.0	3.0	2.95	2.68	2.68	2.95		
Typ. Flux (lm)	18	42	137	135	175	221	225	131

Brilliant Red (Phosphor)	Red (Phosphor)	Deep Red* (Phosphor)
		
NCSRE17A-V1		
612	618	625
2.95		
60	32	24

* Under Development

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