




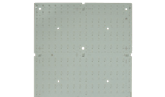

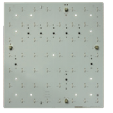





● Nichia Light Cluster™ Type L Standard Specifications

	Part No.	Single color or Tunable	Substrate Outer Dimensions (mm)		Recommended OD ¹ (mm)	Circuit			Rated current	Luminous flux(lm)	Driving Method	Supported specifications			
			L	W		Number of LEDs in series	Number of LEDs in parallel	Total number of LEDs		5000K Ra ≥ 80, R9 > 0		Ra ≥ 80, R9 > 0	H6 Series	Vitasolis™	Dynasolis™
W46	 NALW010AL	Single color	294.7	46.0	13.0	8	6	48	426	1480	Constant current	✓	✓	✓	
	 NALW013AL	Tunable	294.7	46.0	13.0	7	12	84	516	1560	Constant current	✓	✓	✓	✓
	 NALW020AL	Single color	196.4	46.0	13.0	5	6	30	426	930	Constant current	✓	✓	✓	
	 NALW021AL	Tunable	196.4	46.0	13.0	5	12	60	516	1110	Constant current	✓	✓	✓	
W133	 NALW009AL	Single color	293.2	133.0	13.0	16	8	128	426	2950	Constant current	✓	✓	✓	
□ 300	 NALW007BL	Single color	294.0	294.0	13.0	16	16	256	475	3430	Constant current	✓	✓	✓	
□ 450	 NALW008AL	Single color	433.0	216.0	13.0	16	18	288	426	3010	Constant current	✓	✓	✓	

Equipped with constant current circuit	 NALW016AL	Single color	290.0	290.0	30.0	7	8	56	$(290)^2$	840	Constant voltage (24V)	✓	✓	✓
	 NALW017AL	Single color	290.0	72.5	30.0	7	2	14	$(75)^2$	210	Constant voltage (24V)	✓	✓	✓
	 NALW018AL	Tunable	290.0	290.0	30.0	7	16	112	$(290)^2$	840	Constant voltage (24V)	✓	✓	✓
	 NALW019AL	Tunable	290.0	72.5	30.0	7	4	28	$(75)^2$	210	Constant voltage (24V)	✓	✓	✓

■ Supported specifications

- Standard product: $R_a \geq 80$, $R_9 > 0$ (6500K~2700K)
- H6 series: A new era of LED adoption by delivering the industry' s highest joint-bust in color quality and efficacy (5000~2700K)
- Dynasolis™: The combination of the energizing azure (sky blue) and a peaceful, calming warm white hue. (only available in dimmable color: Azure~2700K)
- Vitasolis™: The world' s first LED focused on human mind-body activation (5000~3000K)

■ Note

- The following characters are added to the end of the model number for H6 and Dynasolis specifications: H6 specification: “-H6” , Dynasolis: “-DY” .
- If you do not see your requested specification in the above list, please contact us for customization. For more details, please contact Nichia' s sales representatives or click “[Contact](#)” on Nichia' s website.

¹ OD(Optical Distance): Distance from the substrate surface to the diffuser. (Refer to the figure on the right).

² Rated current values are given for reference only, as products with constant-current circuit are driven by constant voltage.

