



NARROW Channel Letter

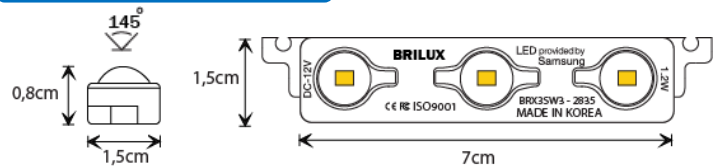
(untuk huruf timbul & neonbox TIPIS)

NARROW & SHALLOW Channel Letter

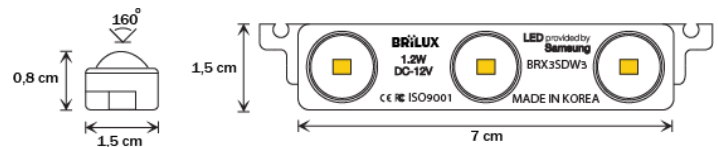
(untuk huruf timbul & neonbox TIPIS)

Operational Voltage : DC 12V
 Beam Angle : 150° for Transparent Lens
 : 160° for Transparent Lens
 Working Temp. : - 30°C to 70°C
 Waterproof class : IP68
 Case Material : ABS
 Connection Wire : AWG 18 Copper
 Warranty : 3 years

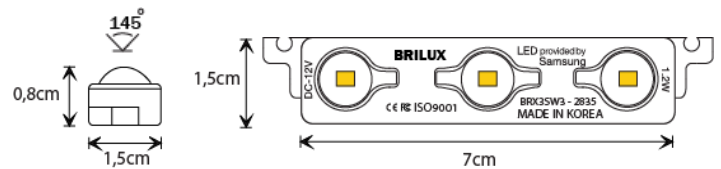
H17 – BRX3SW3 2835



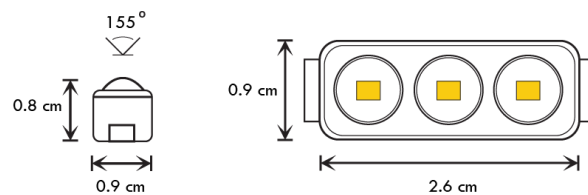
H18 – BRX3SDW



H19 – BRX3SWW3 2835



H11 – BRX3MPDW



Product model	Power	Voltage	Luminous Flux	LED Life Time	Dimension	Color	Chip Size	Cover
H17 – BRX3SW3 2835	1.2 Watt	12 Volt	120lm	50,000 hrs	7 x 1,5 x 0,8 cm	White (CCT 10.000K)	2,8 x 3,5 mm (SMD2835)	Transparent
H18 – BRX3SDW	1.2 Watt	12 Volt	120lm	50,000 hrs	7 x 1,5 x 0,8 cm	White (CCT 10.000)	2,8 x 3,5 mm (SMD2835)	Dove
H19 – BRX3SWW3	1.2 Watt	12 Volt	120lm	50,000 hrs	7 x 1,5 x 0,8 cm	Warm white (CCT 4000k)	2,8 x 3,5 mm (SMD2835)	Transparent
H11 – BRX3MPDW	0.72 Watt	12 Volt	155lm	50,000 hrs	2,6 x 0,9 x 0,8 cm	White (10.000K)	2,8 x 3,5 mm (SMD28365)	Transparent

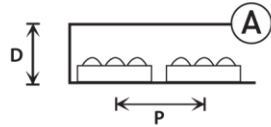
Layout Density Guidelines

Below are recommended pitch between each module to achieve optimum lighting output while maintaining efficient unit cost. However, guideline of each application may differ in accordance to field condition such as front lit material and thickness

(A) Recommended Pitch (P) per Depth (D)

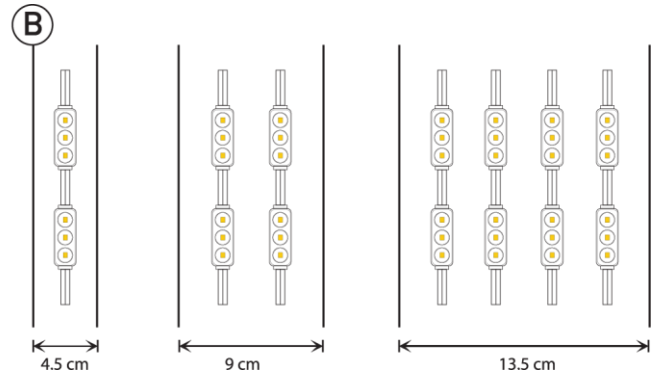
(B) Recommended Layout Density per Channel Width

3 LED Mini Module H11 – BRX3MPDW

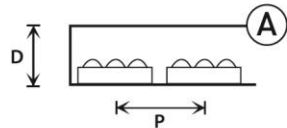


D = 4 cm → P = 5 cm
D = 6 cm → P = 7 cm

P : Pitch (Jarak antar lampu modal)
D : Depth (Ketebalan/Kedalaman Huruf)

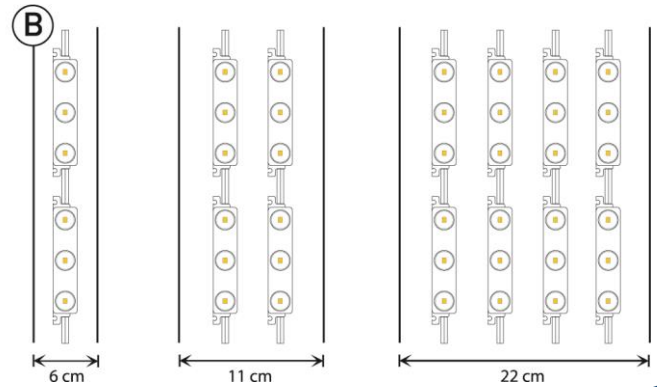


3 LED Dove Module H18 – BRX3SDW

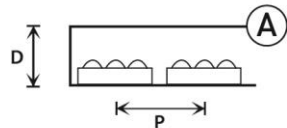


D = 4 cm → P = 8.5 cm
D = 6 cm → P = 10 cm

P : Pitch (Jarak antar lampu modal)
D : Depth (Ketebalan/Kedalaman Huruf)

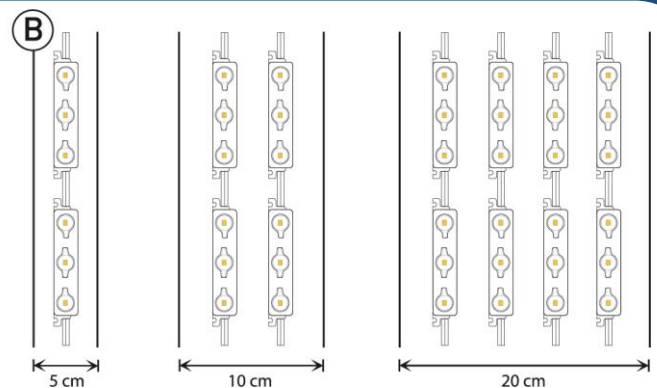


3 LED Transparent Module H17 & H19



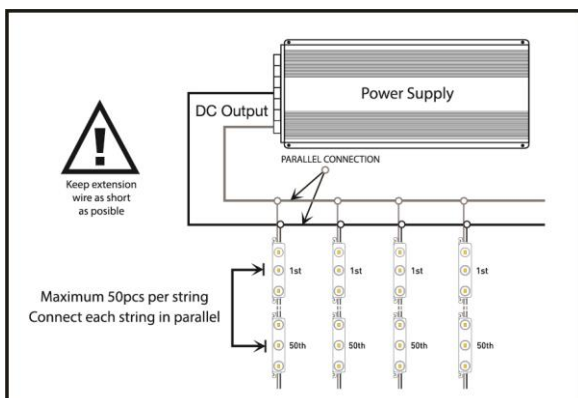
D = 8 cm → P = 10 cm
D = 10 cm → P = 11 cm

P : Pitch (Jarak antar lampu modal)
D : Depth (Ketebalan/Kedalaman Huruf)



LED to Power Supply Connection Guideline

Maximum LED module quantity must be carefully calculated to avoid overload and to ensure longer unit lifetime. Over quantity of LED module will also overheat and damage the power supply and connected products. Do not connect more than 50pcs of module per string since it will cause voltage drop and dimmed lighting output.



Power Supply (W) Max. Permissible LED Module Qty. (pcs)	Power Supply (W)			
	120W	150W	250W	300W
3 LED Module White (H17 dan H18)	80 pcs	100 pcs	167 pcs	200 pcs
3 LED Module Warm White (H19)	80 pcs	100 pcs	167 pcs	200 pcs
3 Mini LED Module (H11)	133 pcs	166 pcs	277 pcs	333 pcs

Maximum quantity for (white) LED module and the ideal maximum usage of 80-85% of power supply specified capacity for optimum product lifespan