



for

LED



*SimpoleLED*

**SimpoleLED-BRI-160150 for Bridgelux Modular Passive LED Cooler Φ160mm**

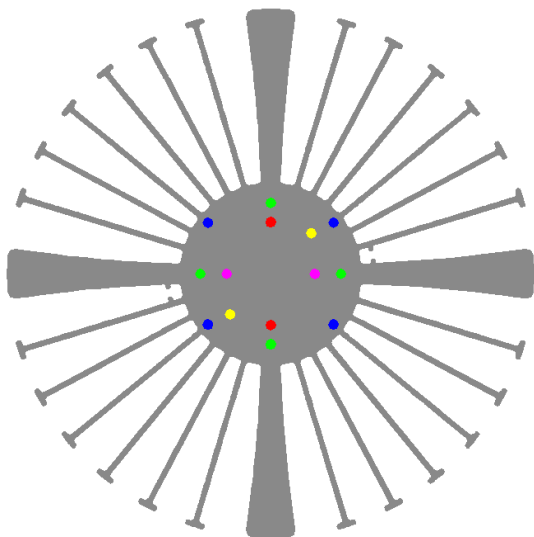
**Features VS Benefits**

- \* The SimpoleLED-160150 Bridgelux Modular Passive LED Coolers are specifically designed for luminaires using the Bridgelux LED engines.
- \* Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
- \* For spotlight and downlight designs from 4500 to 15000 lumen.
- \* Thermal resistance range Rth 0.42°C/W.
- \* Modular design with mounting holes foreseen for direct mounting of bridgelux Vero 18, Vero 29 and RS Array Series COB engines.
- \* Diameter 160mm - standard height 150mm Other heights on request.
- \* Extruded from highly conductive aluminum.



**Bridgelux LED engine and radiator assembly directly Mounting Options**

- \* Below you find an overview of Bridgelux COB's and LED modules which standard fit on the SimpoleLED coolers.
- \* In this way mechanical after work and related costs can be avoided, and lighting designers can standardize their designs on a limited number of LED coolers.



**Bridgelux LED Modules directly Mounting Options**

**Vero 18 Array Series LED engines**

- |                     |                     |
|---------------------|---------------------|
| BXRC-27E4000-F-xx ; | BXRC-30E4000-F-xx ; |
| BXRC-27G4000-F-xx ; | BXRC-30G4000-F-xx ; |
| BXRC-27H4000-F-xx ; | BXRC-30H4000-F-xx ; |
| BXRC-35E4000-F-xx ; | BXRC-50E4000-F-xx ; |
| BXRC-40E4000-F-xx ; |                     |

Direct mounting with machine screws M3x8mm;  
Red indicator marks.

**Vero 29 Array Series LED engines**

- |                     |                     |
|---------------------|---------------------|
| BXRC-27E10K0-L-xx ; | BXRC-35E10K0-L-xx ; |
| BXRC-27G10K0-L-xx ; | BXRC-40E10K0-L-xx ; |
| BXRC-30E10K0-L-xx ; | BXRC-50E10K0-L-xx ; |
| BXRC-30G10K0-L-xx ; |                     |

Direct mounting with machine screws M3x8mm;  
Green indicator marks.

**RS Array Series LED engines**

- |                   |                     |
|-------------------|---------------------|
| BXRA-27E7000-J-03 | BXRA-35E7000-J-03   |
| BXRA-27G7000-J-03 | BXRA-40E7500-J-03   |
| BXRA-30E7000-J-03 | BXRA-50C9000-J-xx;  |
| BXRA-30G7000-J-03 | BXRA-56C9000-J-xx ; |

Direct mounting with machine screws M3x8mm;  
Blue indicator marks.



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**Mounting Options and Drawings & Dimensions**

Example: SimpoLED-BRI-160150-B-2

Example: SimpoLED-BRI-160 **1** - **2** - **3**

**1** Height (mm)

**2** Anodising Color

- B-Black
- C-Clear
- Z-Custom

**3** Mounting Options - see graphics for details Combinations available

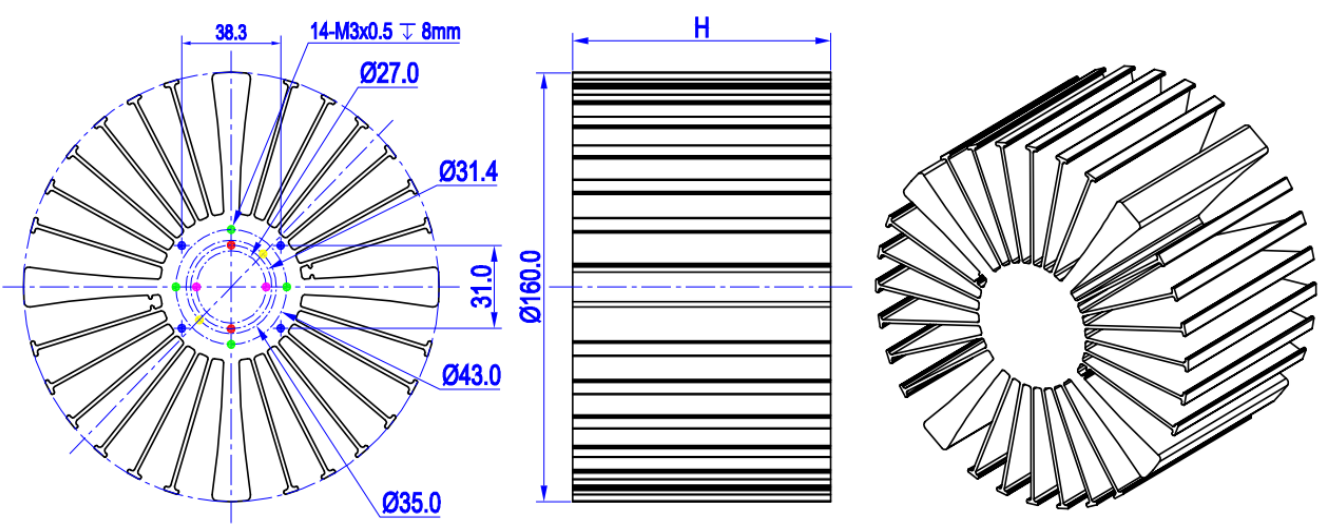
Ex.order code - 12  
means option 1 and 2 combined



**Notes:**

- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.
- MingfaTech reserves the right to change products or specifications without prior notice.

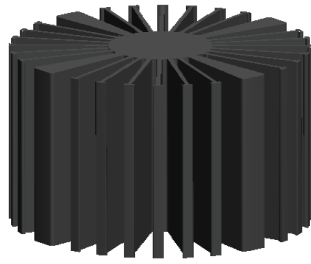
MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	ES-Rectangle	/	M3	8mm	27.0mm/ 2-@180°
2	Vero-18	/			31.4mm/ 2-@180°
3	ES-Rectangle	BJB 47.313.2040.50			35.0mm/ 2-@180°
4	Vero-29	/			43.0mm/ 4-@90°
5	RS-Array	/			(31.0mmx38.3mm)x2



*SimpoleD*

*SimpoleD-BRI-160150 for Bridgelux Modular Passive LED Cooler Φ160mm*

The thermal data table

	 <i>SimpoleD-160150</i>
<b>Model No.</b>	<b>SimpoleD-BRI-160150</b>
<b>Size</b>	<b>Φ160xH150mm</b>
<b>Material</b>	<b>AL 6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(g)</b>	<b>3155.0</b>
<b>Thermal Wattage</b>	<b>120.0W</b>
<b>HeatsinkΘs-a<sup>2</sup></b>	<b>506323</b>
<b>Heat Sink T<sub>Rise Above Ambient</sub></b>	<b>0.42</b>

Dissipated Power Pd(W)	Pd = Pe x (1-ηL)	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise T <sub>hs-amb</sub> (°C)
		SimpoleD-BRI-160150	SimpoleD-BRI-160150
25		0.56	14.0
45		0.53	24.0
60		0.50	30.0
75		0.47	35.0
90		0.44	40.0
100		0.43	43.0
120		0.42	50.0

