

SimpoleD

SimpoleD-CIT-16050 for Citizen Modular Passive LED Cooler Φ 160mm

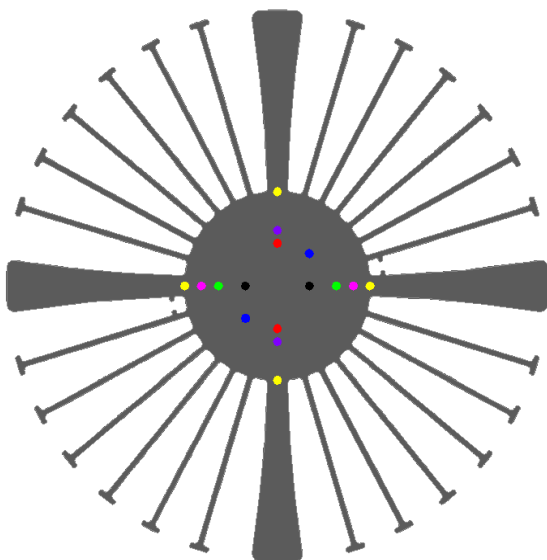
Features VS Benefits

- * The SimpoleD Citizen Modular Passive LED Coolers are specifically designed for luminaires using the Citizen 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 3600 to 12000 lumen.
- * Thermal resistance range Rth 0.68°C/W.
- * Modular design with mounting holes foreseen for direct mounting of Citizen CLL030、CLL032、CLU034、CLL040、CLL042、CLU044、CLL050 and CLL052 COB engines.
- * Diameter 160mm - standard height 50mm Other heights on request.
- * Extruded from highly conductive aluminum.



Citizen LED engine and radiator assembly directly Mounting Options

- * Below you find an overview of Citizen COB's which standard fit on the SimpoleD 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.



Citizen LED Modules Mounting indicator marks overview

CLL030, CLL032, CLU034 LED Modules:

- CLL030-1212A5-50xxxx ;
- CLL030-1212A5-40xxxx ;
- CLL030-1212A5-35xxxx ;
- CLL030-1212A5-30xxxx ;
- CLL030-1212A5-27xxxx ;
- CLL032-1212A5-50xxxx ;
- CLL032-1212A5-40xxxx ;
- CLL032-1212A5-35xxxx ;
- CLL032-1212A5-30xxxx ;
- CLL032-1212A5-27xxxx ;
- CLU034-1208B8-50xxxx ;
- CLU034-1208B8-40xxxx ;
- CLU034-1208B8-35xxxx ;
- CLU034-1208B8-30xxxx ;
- CLU034-1208B8-27xxxx ;

With Zhaga Book 3 LED holder

BJB Spotlight connector 47.319.2020.50

Mounting with 2 screws M3 x 10mm

Green indicator marks

Direct mounting with 2 screws M3 x 6mm

Blue indicator marks

Citizen CLL040 Modules:

- CLL040-1218A5-50xxxx ;
- CLL040-1218A5-40xxxx ;
- CLL040-1218A5-35xxxx ;
- CLL040-1218A5-30xxxx ;
- CLL040-1218A5-27xxxx ;
- CLL040-1818A5-50xxxx ;
- CLL040-1818A5-40xxxx ;
- CLL040-1818A5-35xxxx ;
- CLL040-1818A5-30xxxx ;
- CLL040-1818A5-27xxxx ;

With Zhaga Book 3 LED holder

BJB Spotlight connector 47.319.2030.50

Mounting with 2 screws M3 x 10mm

Green indicator marks

Direct mounting with 2 screws M3 x 6mm

Purple indicator marks



for

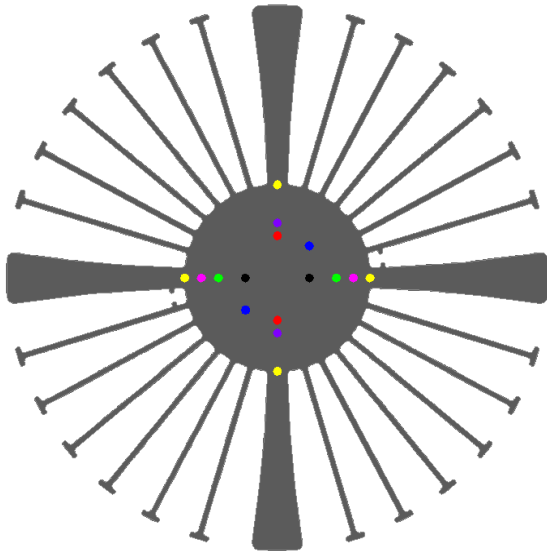
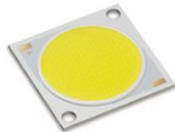
LED



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CITIZEN
Micro HumanTech



Citizen LED Modules Mounting indicator marks overview

Citizen CLL042,CLU034 LED Modules:

- CLL042-1218A5-50xxxx ;
- CLL042-1218A5-40xxxx ;
- CLL042-1218A5-35xxxx ;
- CLL042-1218A5-30xxxx ;
- CLL042-1218A5-27xxxx ;

- CLU044-1812B8-50xxxx ;
- CLU044-1812B8-40xxxx ;
- CLU044-1812B8-35xxxx ;
- CLU044-1812B8-30xxxx ;
- CLU044-1812B8-27xxxx ;

With Zhaga Book 3 LED holder

BJB Spotlight connector 47.319.2030.50

Mounting with 2 screws M3 x 10mm

Green indicator marks

Direct mounting with 2 screws M3 x 6mm

Purple indicator marks

Citizen CLL050,CLL052 LED Modules

- CLL050-1825A1-50xxxx ;
- CLL052-1825B1-40xxxx ;
- CLL052-1825B1-35xxxx ;
- CLL052-1825B1-30xxxx ;
- CLL052-1825B1-27xxxx ;

With LED holder

BJB Spotlight connector 47.319.4160.50

Mounting with 4 screws M3 x 10mm

Yellow indicator marks

Direct mounting with 2 screws M3 x 6mm

Pink indicator marks





for

LED



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Mounting Options and Drawings & Dimensions

Example: SimpoleD-CIT-16050-B-3

Example: SimpoleD-CIT-160 **1** - **2** - **3**

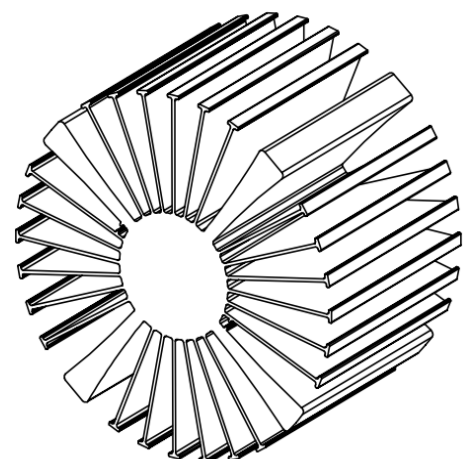
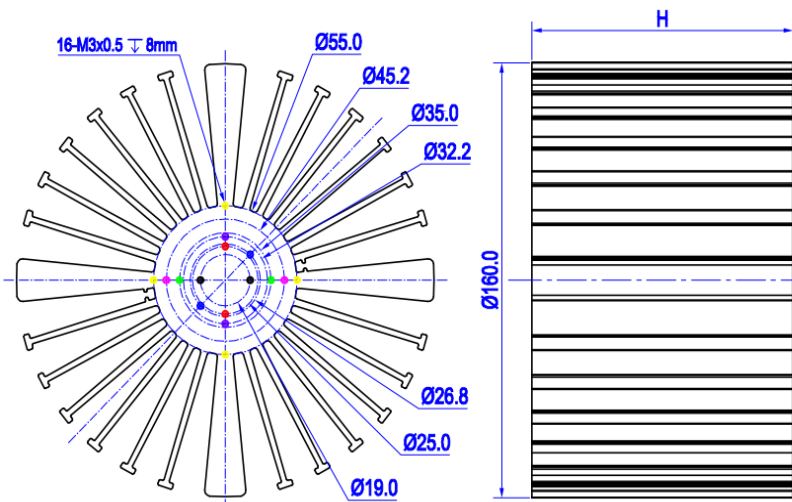
- 1** Height (mm)
- 2** Anodising Color
B-Black
C-Clear
Z-Custom
- 3** Mounting Options - see graphics for details Combinations available
Ex.order code - 12
means option 1 and 2 combined



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	CLL020-022/CLU024	/	M3	6mm	19.0mm/ 2-@180°
2	CLL020-022/CLU024	BJB:47.319.6060.50	M3	5mm	25.0mm/ 2-@180°
3	CLL030-032/CLU034	/	M3	6mm	26.8mm/ 2-@180°
4	CLL040-042/CLU044	/	M3	6mm	32.2mm/ 2-@180°
5	CLL030-032/CLU034	BJB:47.319.2020.50	M3	6mm	35.0mm/ 2-@180°
	CLL040-042/CLU044	BJB:47.319.2030.50			
6	CLL050-052 CLU054	/	M3	6mm	45.2mm/ 2-@180°
7		BJB: 47.319.4160.50	M3	6mm	55.0mm/ 4-@90°




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The thermal data table

	 <i>SimpoleD-16050</i>
Model No.	SimpoleD-CIT-16050
Size	D160xH50mm
Material	6063-T5
Finish	Black Anodized
Weight(g)	1052
Thermal Wattage	71.3W
HeatsinkOs-a²	179161
Heat Sink T Rise Above Ambient	0.68

	Pd = Pe x (1-ηL)	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
		SimpoleD-CIT-16050	SimpoleD-CIT-16050
Dissipated Power Pd(W)	15	0.92	13.8
	30	0.83	24.9
	45	0.78	35.1
	60	0.70	42.0
	75	0.65	48.8
	90	0.60	54.0
	100	0.55	55.0

