

Features:

- Thermal resistance range $R_{th}(7.69^{\circ}\text{C/W}; 5.0^{\circ}\text{C/W}; 4.17^{\circ}\text{C/W})$.
- Radial design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's: Diameter 48mm -110mm
- Extruded from highly conductive aluminum.
- Black anodized



Compatible with:

- Xicato XSM, XIM,XTM;
- Bridgelux ESS, ESR, Vero 10, Vero 13,Vero 18 V-series;
- Citizen CLL022-CLU024, CLL032-CLU034;
- Cree XLamp CXA13xx, CXA15xx,CSA18xx;
- Lumileds Luxeon COB's 1203, 1204, 1205, Luxeon K arrays K12, K16;
- Osram PrevaLED Core,SOLERIQ P and SOLERIQ S LED engines.
- Seoul Semiconductor ZC6, ZC12, ZC18,ZC25;
- Tridonic TALEXXmodule SLE modules;
- LG Innotek LEMWM18 10W, 13W, 17W
- Edison EdiLex SLM and EdiLex II COB LED engines.
- Lustrous LUSTRON 6 series LL604F, LL608D, LL613F, LL620F
- Prolight Opto PABS, PABA, PACB, PANA
- Samung LC013,LC019,LC026 COB LED engines.
- SHARP Mini Zenigata Intermo and Mega Zenigata LED engines.
- Philips Fortimo SLM LED engines.
- Vossloh-Schwabe LUGA Shop LED engines.
- Luminus C##9,C##14 LED engines.

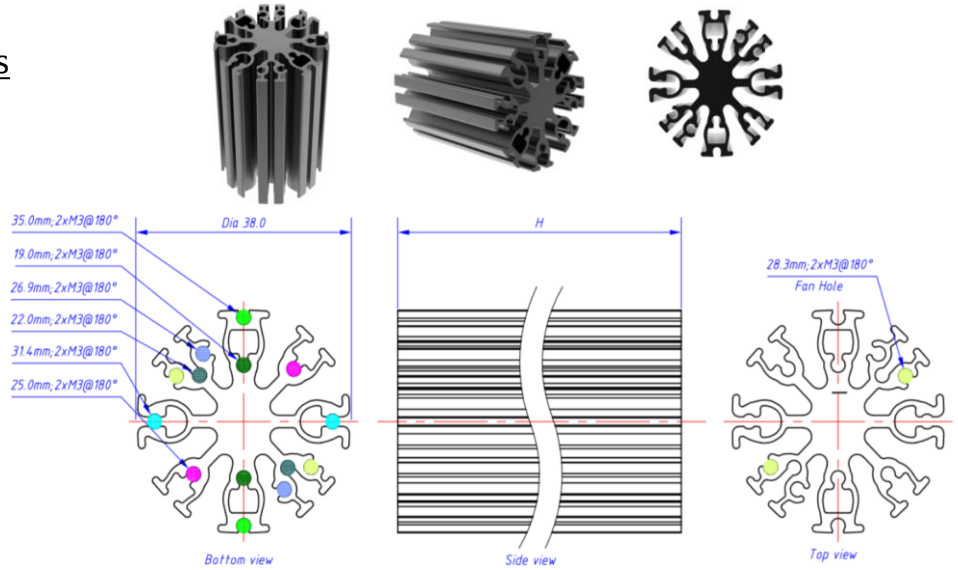
FLOWLED Heat Sink

38mm Diameter

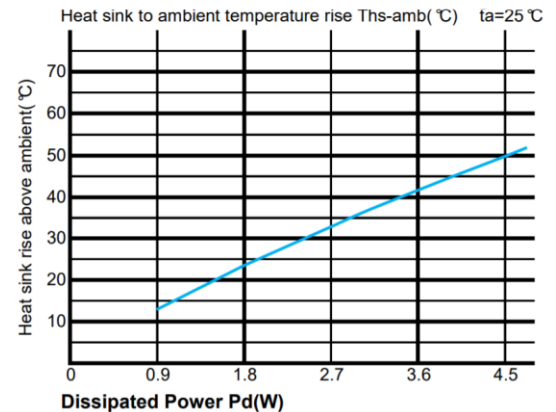
WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
FLOWLED-3820	Flow LED Heat Sink 38MM DIA 20H	20	38	630	4.5	7	24
FLOWLED-3850	Flow LED Heat Sink 38MM DIA 50H	50	38	980	7	11.4	60.9

*Note: All Bases Have no Holes

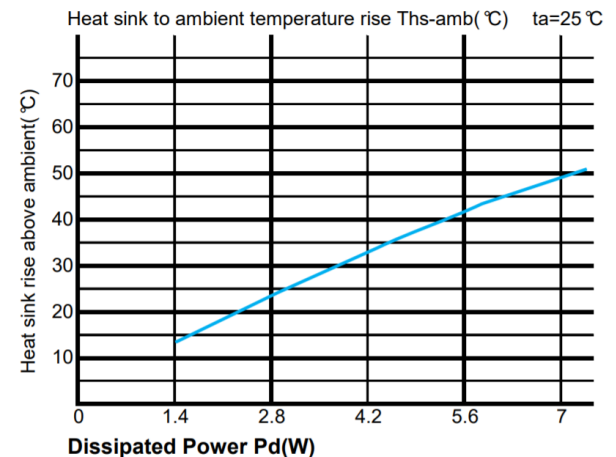
No.	Finish	Mounting hole
A1		19.0mm;2xM3@180°
A2		22.0mm;2xM3@180°
A3		25.0mm;2xM3@180°
A4		26.9mm;2xM3@180°
A5		28.3mm;2xM3@180°
A6		31.4mm;2xM3@180°
A7		35.0mm;2xM3@180°

Thermal Data FLOWLED-3820

Dissipated Power Pd(W)	$P_d = P_e \times (1-\eta_L)$	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
0.9		15.4	14
1.8		13.4	24.5
2.7		12.4	34
3.6		11.4	42
4.5		10.9	50

Thermal Data FLOWLED-3850

Dissipated Power Pd(W)	$P_d = P_e \times (1-\eta_L)$	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
1.4		9.8	14
2.8		8.4	24
4.2		7.7	33.2
5.6		7.2	41.6
7		6.9	49.5



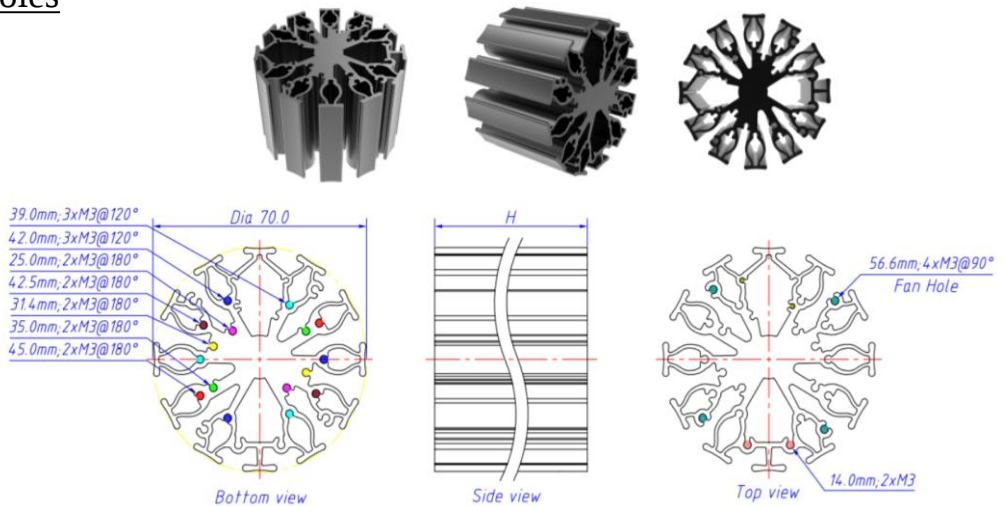
FLOWLED Heat Sink

70mm Diameter

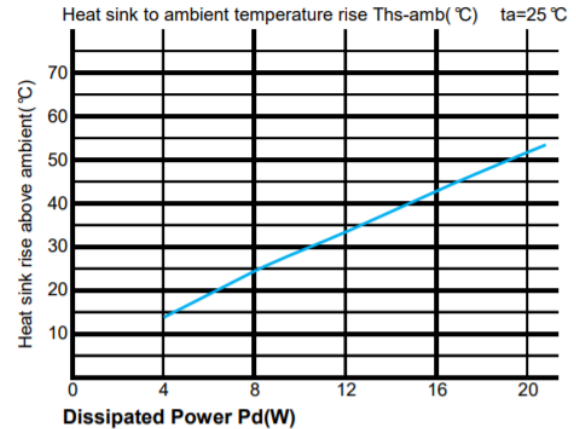
WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
FLOWLED-7040	Flow LED Heat Sink 70MM DIA 40H	40	70	2700	19.6	2.3	183
FLOWLED-7080	Flow LED Heat Sink 70MM DIA 80H	80	70	3200	23	1.9	294

*Note: All Bases Have no Holes

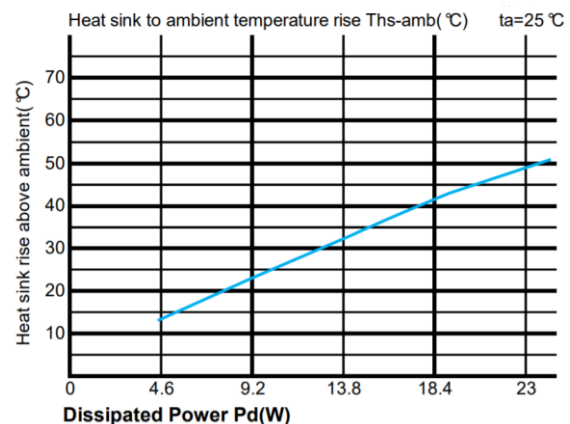
No.	Finish	Mounting hole
A1		25.0mm;2xM3@180°
A2		31.4mm;2xM3@180°
A3		35.0mm;2xM3@180°
A4		39.0mm;3xM3@120°
A5		42.0mm;3xM3@120°
A6		42.5mm;2xM3@180°
A7		45.0mm;2xM3@180°
A8		56.6mm;4xM3@90°
A9		14.0mm;2xM3
A10		18.3mm;2xM2

Thermal Data FLOWLED-7040

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 Ths-amb (°C)
	4		3.4	14.5
	8		2.9	25
	12		2.6	34.4
	16		2.5	43
	20		2.3	51

Thermal Data FLOW

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 Ths-amb (°C)
	4.6		2.8	14
	9.2		2.4	24
	13.8		2.2	33
	18.4		2	41.5
	23		1.9	49

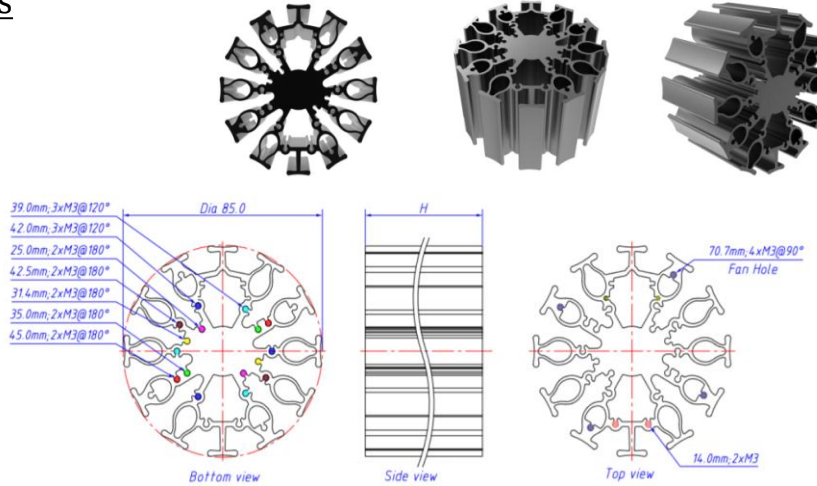


85mm Diameter

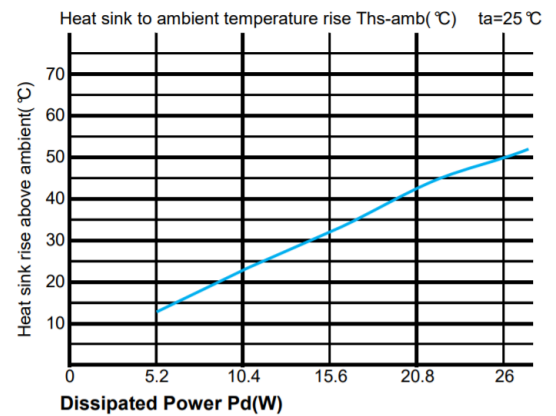
WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
FLOWLED-8540	Flow LED Heat Sink 85MM DIA 40H	40	85	3600	26	1.9	249
FLOWLED-8560	Flow LED Heat Sink 85MM DIA 60H	60	85	4440	32	1.6	398

*Note: All Bases Have no Holes

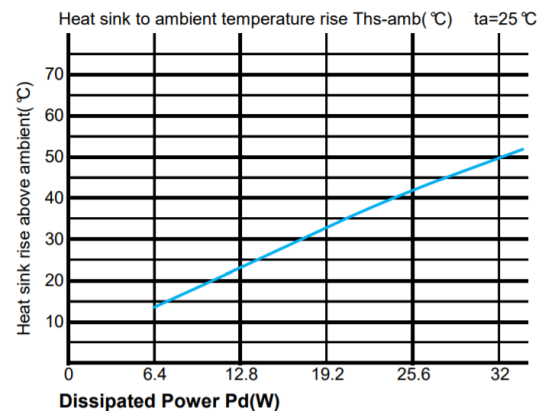
No.	Finish	Mounting hole
A1		25.0mm;2xM3@180°
A2		31.4mm;2xM3@180°
A3		35.0mm;2xM3@180°
A4		39.0mm;3xM3@120°
A5		42.0mm;3xM3@120°
A6		42.5mm;2xM3@180°
A7		45.0mm;2xM3@180°
A8		70.7mm;4xM3@90°
A9		14.0mm;2xM3
A10		22.2mm;2xM2

Thermal Data FLOWLED-8540

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 Ths-amb (°C)
5.2	2.5	14
10.4	2.1	24
15.6	1.9	33
20.8	1.9	43.5
26	1.7	50

Thermal Data FLOWLED-8560

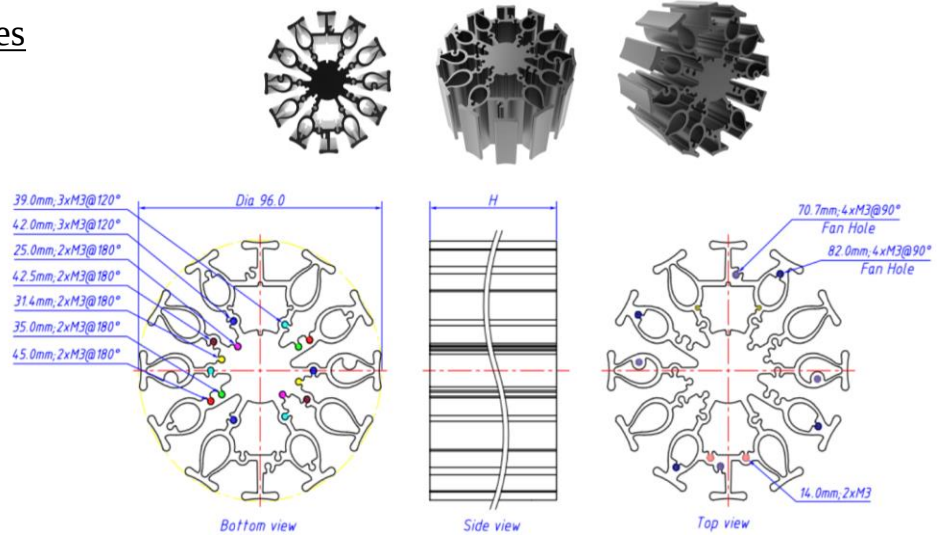
Dissipated Power Pd(W)	Pd = Pe x (1-ηL)	
	FanLED-8580	FanLED-8580
6.4	2	14
12.8	1.7	24
19.2	1.6	34
25.6	1.4	42
32	1.3	50



WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
FLOWLED-9650	Flow LED Heat Sink 96MM DIA 50H	50	96	4400	32	1.5	312
FLOWLED-9680	Flow LED Heat Sink 96MM DIA 90H	80	96	5600	40	1.2	499

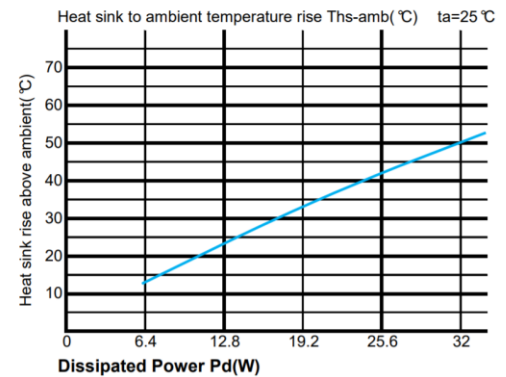
*Note: All Bases Have no Holes

No.	Finish	Mounting hole
A1		25.0mm; 2xM3@180°
A2		31.4mm; 2xM3@180°
A3		35.0mm; 2xM3@180°
A4		39.0mm; 3xM3@120°
A5		42.0mm; 3xM3@120°
A6		42.5mm; 2xM3@180°
A7		45.0mm; 2xM3@180°
A8		70.7mm; 4xM3@90°
A9		82.0mm; 4xM3@90°
A10		14.0mm; 2xM3
A11		22.2mm; 2xM2



Thermal Data FLOWLED-9650

	$P_d = P_e \times (1 - \eta_L)$	Heat sink to ambient thermal resistance R_{hs-amb} (°C/W)	Heat sink to ambient temperature rise T_{hs-amb} (°C)
Dissipated Power P_d (W)	6.4	1.9	14
	12.8	1.7	24
	19.2	1.5	33.5
	25.6	1.4	42
	32	1.3	50



Thermal Data FLOWLED-9680

	$P_d = P_e \times (1 - \eta_L)$	Heat sink to ambient thermal resistance R_{hs-amb} (°C/W)	Heat sink to ambient temperature rise T_{hs-amb} (°C)
Dissipated Power P_d (W)	8	1.5	14
	16	1.3	24
	24	1.2	34
	32	1.1	42
	40	1.0	50

