

Features:

- Thermal resistance range R_{th} (7.69°C/W; 5.0°C/W; 4.17°C/W).
- Modular design with mounting holes foreseen for direct mounting 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.

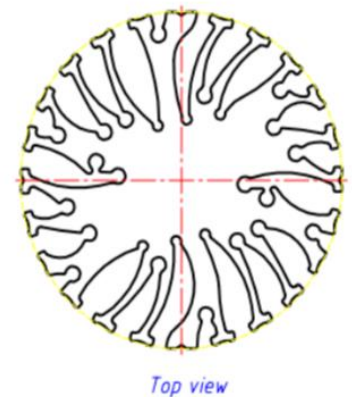
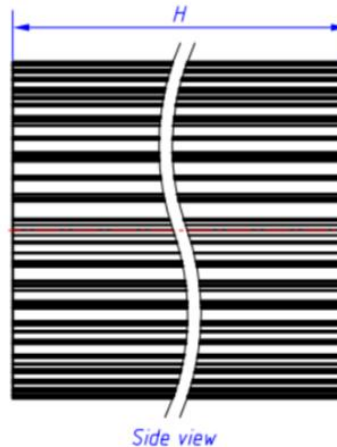
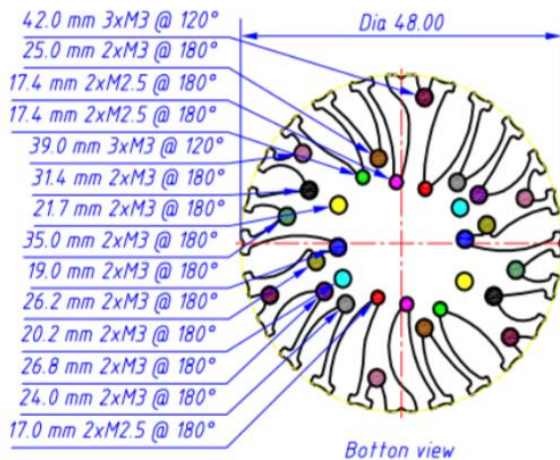
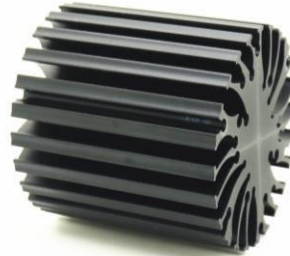
SPIRLED Heat Sink

48mm Diameter

WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
SPIRLED-4850	SPIR LED Heat Sink 48MM DIA 50H	50	48	1400	10	5	134

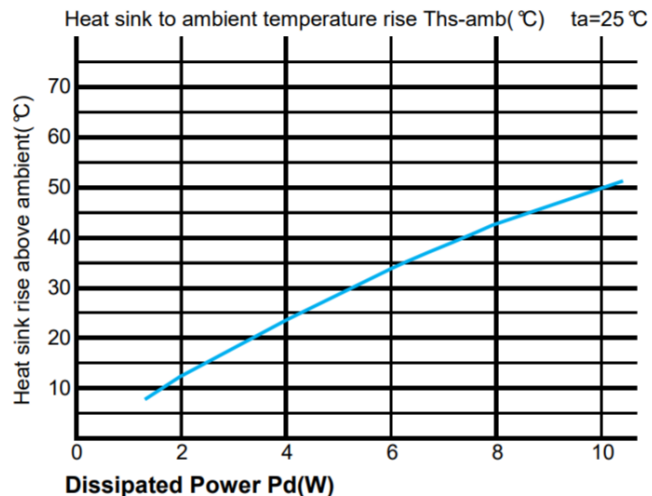
*Note: All Bases Have no Holes

No.	Finish	Mounting Hole
H1	Red	17.0 mm 2xM2.5 @ 180°
H2	Magenta	17.4 mm 2xM2.5 @ 180°
H3	Blue	19.0 mm 2xM3 @ 180°
H4	Cyan	20.2 mm 2xM3 @ 180°
H5	Yellow	21.7 mm 2xM3 @ 180°
H6	Green	22.0 mm 2xM2.5 @ 180°
H7	Grey	24.0 mm 2xM3 @ 180°
H8	Brown	25.0 mm 2xM3 @ 180°
H9	Olive	26.2 mm 2xM3 @ 180°
H10	Purple	26.8 mm 2xM3 @ 180°
H11	Black	31.4 mm 2xM3 @ 180°
H12	Dark Green	35.0 mm 2xM3 @ 180°
H13	Pink	39.0 mm 3xM3 @ 120°
H14	Dark Red	42.0 mm 3xM3 @ 120°



Thermal Data SPIRLED-4850

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)
	2	4		
	6.5	6	5.67	5.38
	13	24	34	43
			5	50



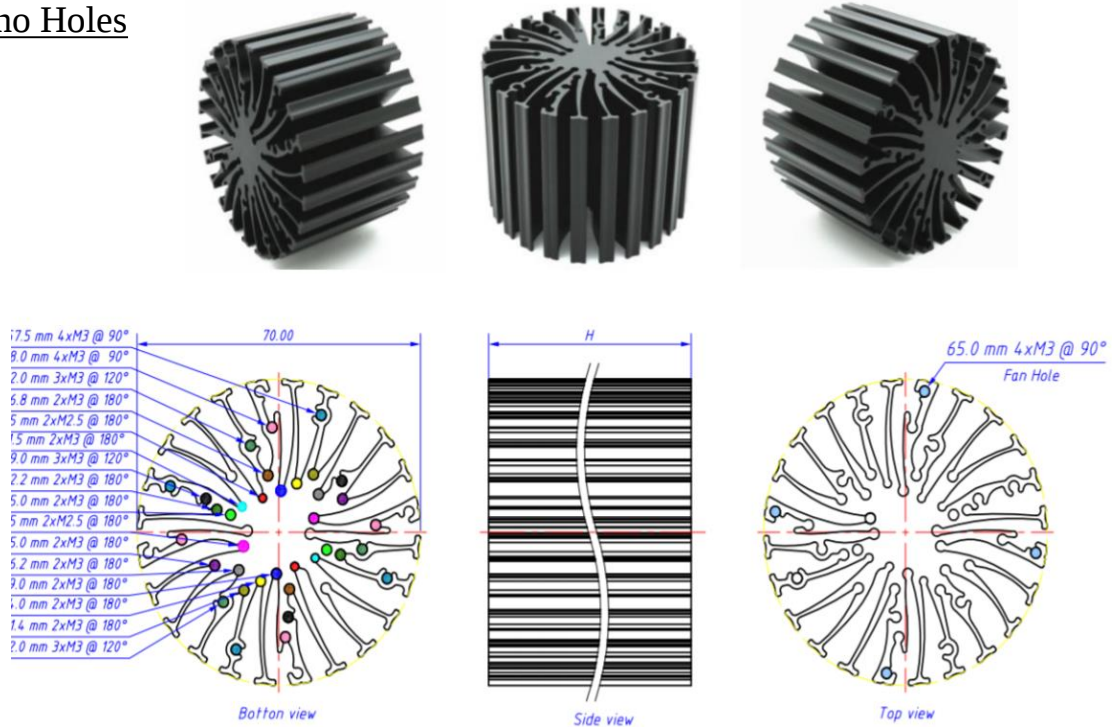
SPIRLED Heat Sink

70mm Diameter

WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
SPIRLED-7050	SPIR LED Heat Sink 70MM DIA 50H	50	70	3200	22.9	2.2	192
SPIRLED-7080	SPIR LED Heat Sink 70MM DIA 80H	80	70	3900	28.1	1.8	308

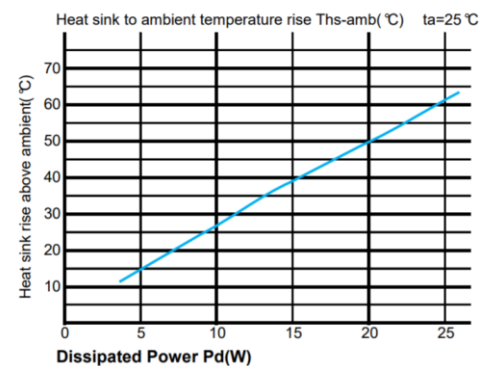
*Note: All Bases Have no Holes

No.	Finish	Mounting Hole
H1	Red	17.5 mm 2xM2.5 @ 180°
H2	Magenta	18.5 mm 2xM2.5 @ 180°
H3	Blue	19.0 mm 2xM3 @ 180°
H4	Cyan	21.5 mm 2xM3 @ 180°
H5	Yellow	24.0 mm 2xM3 @ 180°
H6	Green	25.0 mm 2xM3 @ 180°
H7	Grey	26.2 mm 2xM3 @ 180°
H8	Brown	26.8 mm 2xM3 @ 180°
H9	Olive	31.4 mm 2xM3 @ 180°
H10	Dark Green	32.2 mm 2xM3 @ 180°
H11	Purple	35.0 mm 2xM3 @ 180°
H12	Black	39.0 mm 3xM3 @ 120°
H13	Dark Green	42.0 mm 3xM3 @ 120°
H14	Pink	48.0 mm 4xM3 @ 90°
H15	Dark Blue	57.5 mm 4xM3 @ 90°
H16	Light Blue	65.0 mm 4xM3 @ 90° (Fan Hole)



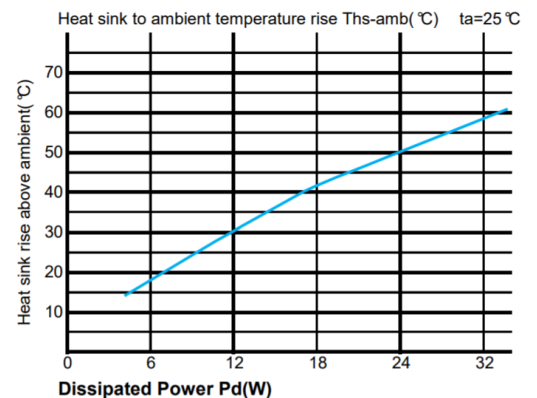
Thermal Data SPIRLED-7050

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	3	15
10	2.7	27
15	2.6	39
20	2.5	50
25	2.44	61



Thermal Data SPIRLED-7080

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)
6	3	18
12	2.5	30
18	2.28	41
24	2.08	50
32	1.84	59



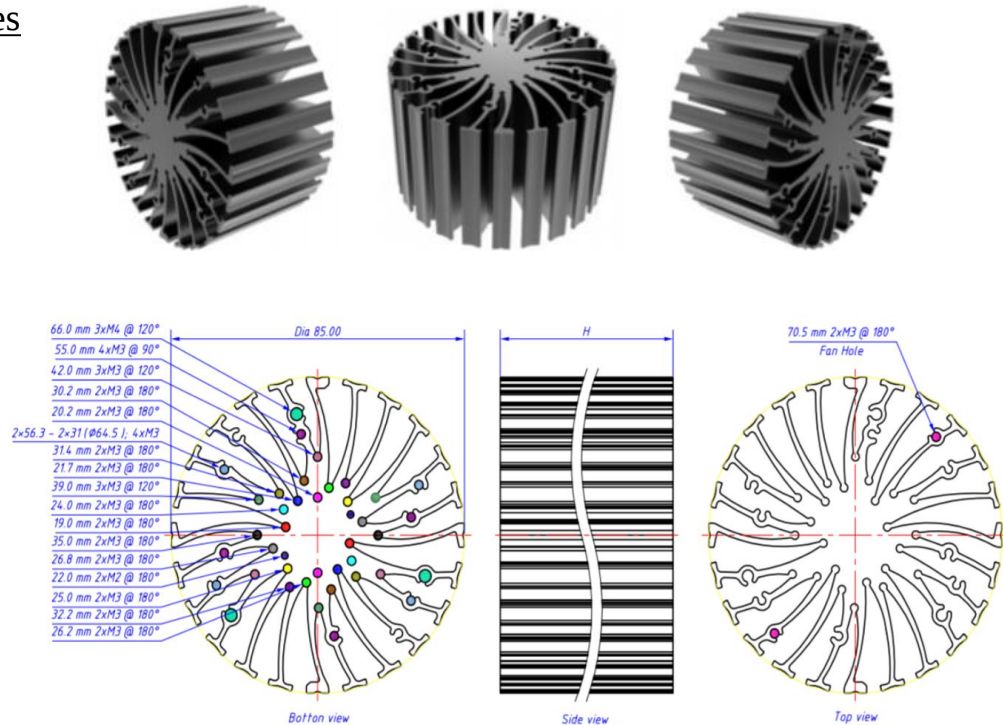
SPIRLED Heat Sink

85mm Diameter

WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
SPIRLED-8550	SPIR LED Heat Sink 85MM DIA 50H	50	85	4700	34	2.2	286
SPIRLED-8580	SPIR LED Heat Sink 85MM DIA 80H	80	85	5300	38	1.8	458

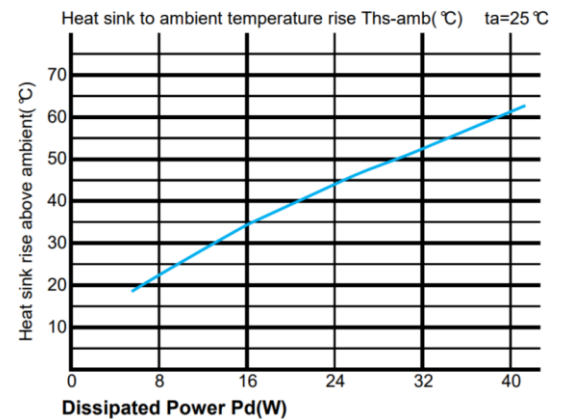
*Note: All Bases Have no Holes

No.	Finish	Mounting Hole
A1	Red	19.0 mm 2xM3 @ 180°
A2	Magenta	20.2 mm 2xM3 @ 180°
A3	Blue	21.7 mm 2xM3 @ 180°
A4	Purple	22.0 mm 2xM2 @ 180°
A5	Cyan	24.0 mm 2xM3 @ 180°
A6	Yellow	25.0 mm 2xM3 @ 180°
A7	Green	26.2 mm 2xM3 @ 180°
A8	Grey	26.8 mm 2xM3 @ 180°
A9	Brown	30.2 mm 2xM3 @ 180°
A10	Olive	31.4 mm 2xM3 @ 180°
A11	Purple	32.2 mm 2xM3 @ 180°
A12	Black	35.0 mm 2xM3 @ 180°
A13	Green	39.0 mm 3xM3 @ 120°
A14	Pink	42.0 mm 3xM3 @ 120°
A15	Purple	55.0 mm 4xM3 @ 90°
A16	Blue	2*56.3 - 2*31 (Ø64.5); 4xM3
A17	Green	66.0 mm 3xM4 @ 120°
A18	Magenta	70.5 mm 2xM3 @ 180° (Fan Hole)



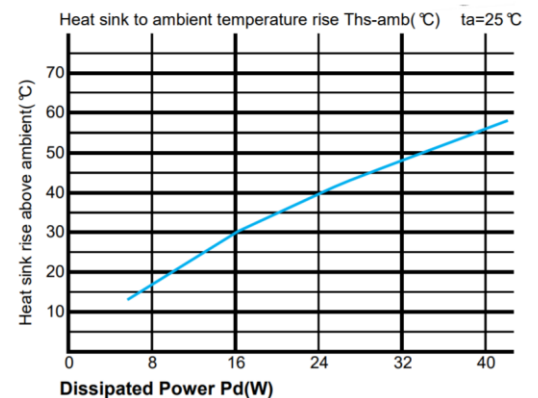
Thermal Data SPIRLED-8550

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)
	8	2.88	23
16		2.19	35
24		1.88	45
32		1.66	53
40		1.53	61



Thermal Data SPIRLED-8580

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)
	8	2.25	18
16		1.88	30
24		1.67	40
32		1.5	48
40		1.4	56



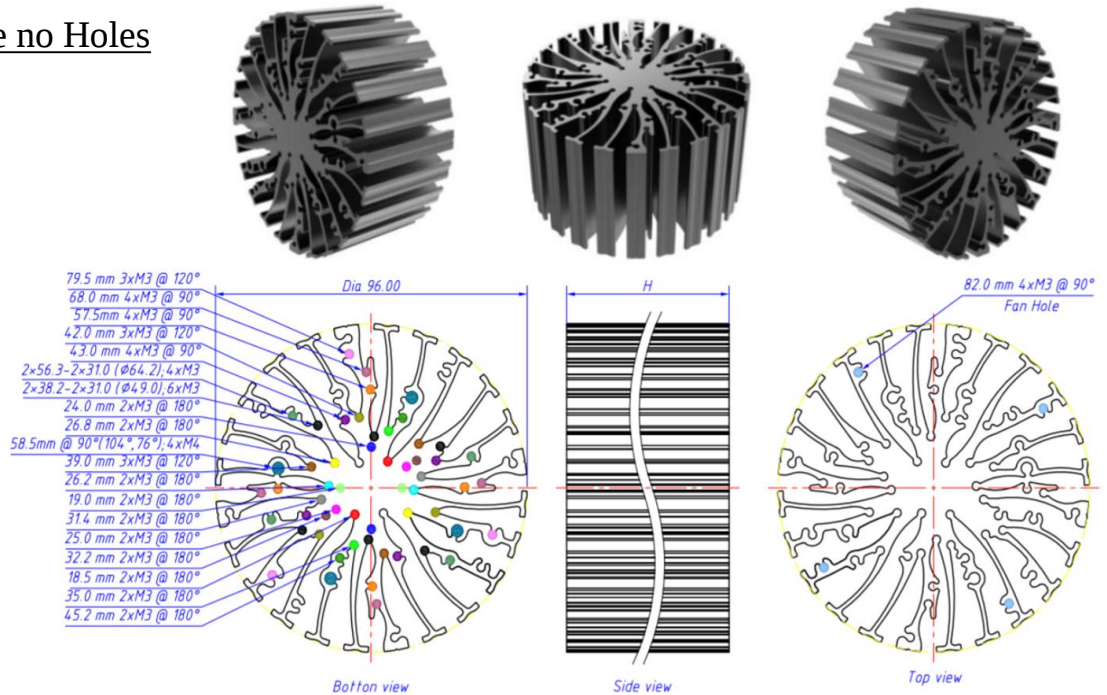
SPIRLED Heat Sink

96mm Diameter

WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
SPIRLED-9650	SPIR LED Heat Sink 96MM DIA 50H	50	96	5200	37.5	1.2	360
SPIRLED-9680	SPIR LED Heat Sink 96MM DIA 80H	80	96	6800	49.2	0.9	575

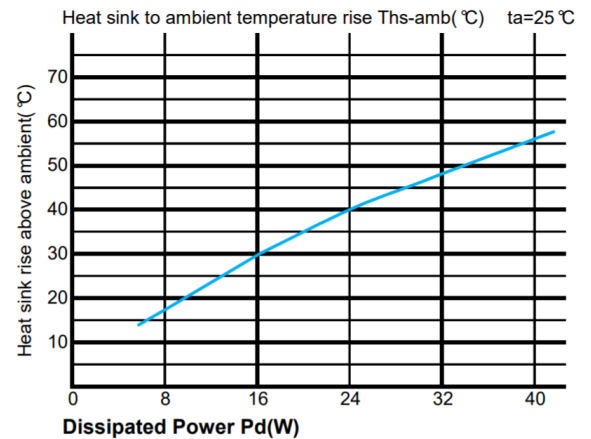
*Note: All Bases Have no Holes

No.	Finish	Mounting Hole
H1	●	18.5 mm 2xM3 @ 180°
H2	●	19.0 mm 2xM3 @ 180°
H3	●	24.0 mm 2xM3 @ 180°
H4	●	25.0 mm 2xM3 @ 180°
H5	●	26.2 mm 2xM3 @ 180°
H6	●	26.8 mm 2xM3 @ 180°
H7	●	31.4 mm 2xM3 @ 180°
H8	●	32.2 mm 2xM3 @ 180°
H9	●	35.0 mm 2xM3 @ 180°
H10	●	39.0 mm 3xM3 @ 120°
H11	●	42.0 mm 3xM3 @ 120°
H12	●	43.0 mm 4xM3 @ 90°
H13	●	45.2 mm 2xM3 @ 180°
H14	●	2*38.2-2*31.0 (Ø49.0); 6xM3
H15	●	57.5mm 4xM3 @ 90°
H16	●	58.5mm @ 90°(104°,76°); 4xM4
H17	●	2*56.3-2*31.0 (Ø64.2); 4xM3
H18	●	68.0 mm 4xM3 @ 90°
H19	●	79.5 mm 3xM3 @ 120°
H20	●	82.0 mm 4xM3 @ 90° (Fan Hole)



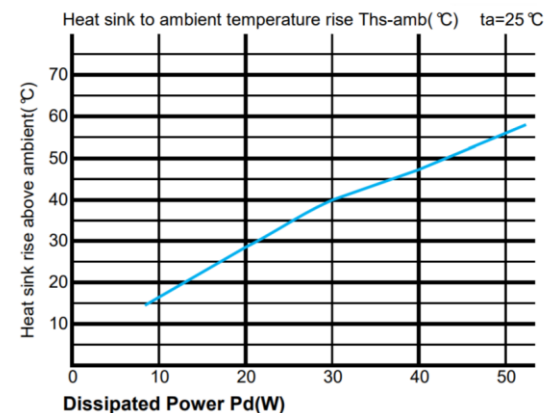
Thermal Data SPIRLED-9650

Pd = Pe x (1-ηL)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
Dissipated Power Pd(W)	8	2.25	18
	16	1.88	30
	24	1.67	40
	32	1.5	48
	40	1.4	56



Thermal Data SPIRLED-9680

Pd = Pe x (1-ηL)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
Dissipated Power Pd(W)	10	1.7	17
	20	1.45	29
	30	1.33	40
	40	1.2	48
	50	1.12	56



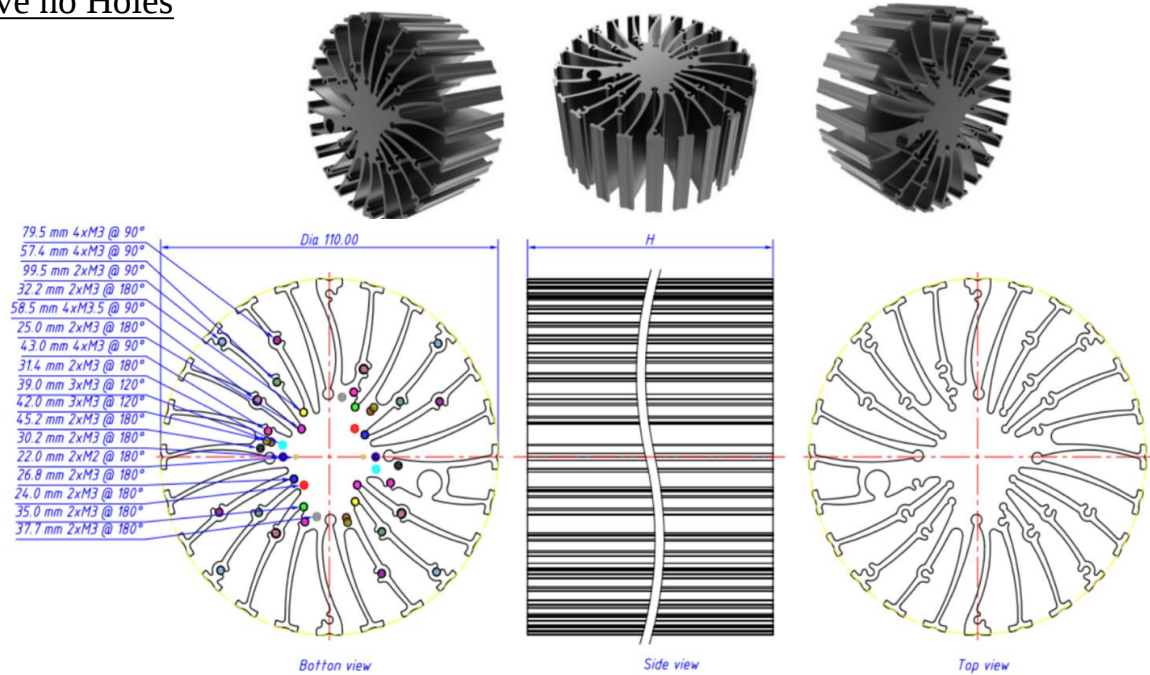
SPIRLED Heat Sink

110mm Diameter

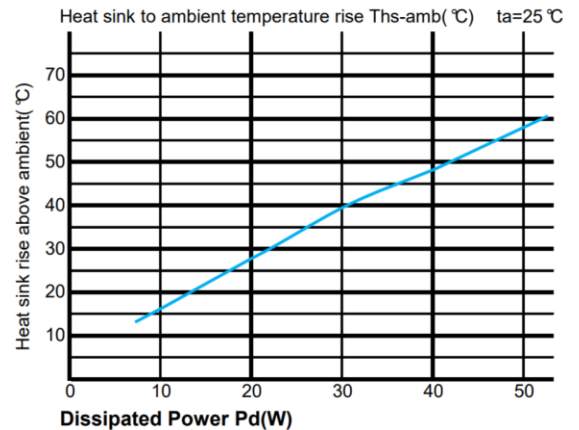
WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
SPIRLED-11050	SPIR LED Heat Sink 110MM DIA 50H	50	110	6700	48	1.1	414
SPIRLED-11080	SPIR LED Heat Sink 110MM DIA 80H	80	110	7900	57	0.9	662

*Note: All Bases Have no Holes

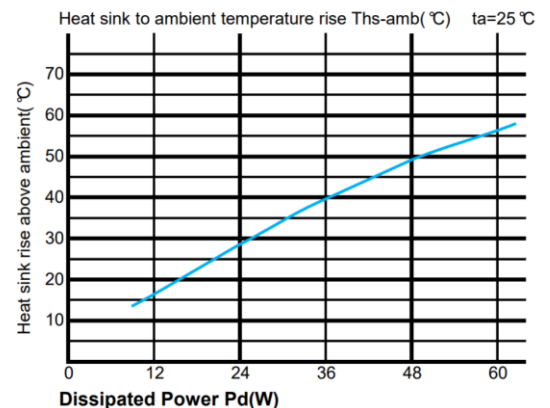
No.	Finish	Mounting Hole
H1	●	22.0 mm 2xM2 @ 180°
H2	●	24.0 mm 2xM3 @ 180°
H3	●	25.0 mm 2xM3 @ 180°
H4	●	26.8 mm 2xM3 @ 180°
H5	●	30.2 mm 2xM3 @ 180°
H6	●	31.4 mm 2xM3 @ 180°
H7	●	32.2 mm 2xM3 @ 180°
H8	●	35.0 mm 2xM3 @ 180°
H9	●	37.7 mm 2xM3 @ 180°
H10	●	39.0 mm 3xM3 @ 120°
H11	●	42.0 mm 3xM3 @ 120°
H12	●	43.0 mm 4xM3 @ 90°
H13	●	45.2 mm 2xM3 @ 180°
H14	●	57.4 mm 4xM3 @ 90°
H15	●	58.5 mm 4xM3.5 @ 90°
H16	●	79.5 mm 4xM3 @ 90°
H17	●	99.5 mm 2xM3 @ 90°

Thermal Data SPIRLED-11050

Pd = Pe x (1-ηL)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
Dissipated Power Pd(W)	10	1.6	16
	20	1.4	28
	30	1.33	40
	40	1.23	49
	50	1.16	58

Thermal Data SPIRLED-11080

Pd = Pe x (1-ηL)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
Dissipated Power Pd(W)	12	1.33	16
	24	1.21	29
	36	1.11	40
	48	1.03	49.5
	60	0.95	57



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