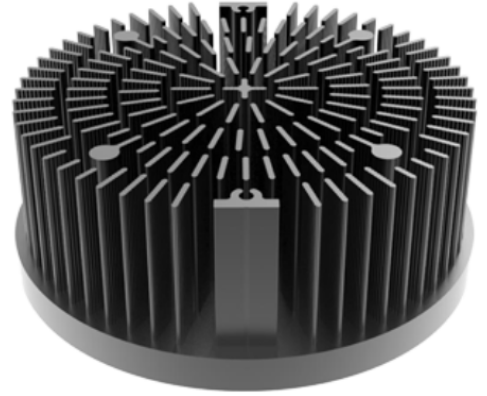


PADLED Heat Sink

Wakefield- Vette's PADLED is designed with 99.7% high-purity aluminum cold forging process. The design of the series is simple and gorgeous, and the blade is rectangular in a radial pattern, which makes the convection heat dissipation reasonable. This heat sink also has 4 PCS holes on top. This is compatible with Light Modules such as Edison, Xicato, Bridgelux, Osram, Lumileds, Cree, Tridonic, LG, Lustrous, Prolight, Samsung, SHARP, Luminus and Philips.



Features:

- Mechanical compatibility with direct mounting of the LED modules to the LED cooler and thermal performance matching the lumen packages
- Side fins to be frilled M3 or M4 Holes
- Several Diameters, Several Standard heights
- Forged from highly conductive aluminum
- Black Anodized
- Blank surface with no holes to mount any device listed below

Compatible with:

- Bridelux: Vero 18/22 Vero SE 18/29 LED engines;
- Cree: XLamp CXA 25xx, XLamp CXB 25xx, CXA 30xx, XLamp CXB 30xx LED engines;
- Citizen: CLU036, CLU038, CLU721, CLU711, CLU046, CLU048, CLU731 LED engines;
- Edison: EdiLex III COB LED engines;
- GE lighting: Infusion™ LED engines;
- LG Innotek: 32W, 42W, 56W LED engines;
- LumiLEDs: LUXEON 1211, LUXEON 1216, LUXEON 1812, LUXEON 1825 LED engines;
- Lumens: Ergon-COB-2530, 2540, 3050, 3070 LED engines;
- Luminus: CXM-18, CLM-22, CXM-22 LED engines;
- Nichia: NFCWL036B, NFCLL036B, NFCWL060B, NFCLL060B LED engines;
- Osram: SOLERIQ® S 19, Core series LED engines;
- Philips: Fortimo SLM LED engines;
- Prolight Opto: PABS, PABA, PACB, PANA LED engines;
- Samsung: LC026B, LC033B, LC040B, LC040D, LC060D, LC080D LED engines;
- Seoul Semiconductor: Acrich MJT COBs, DC COB LED engines;
- Tridonic: SLE G6 19mm, SLE G6 23mm LED engines;
- Vossloh-Schwabe: LUGA Shop and LUGA C LED engines;
- Xicato: XSM, XIM, XTM LED engines;

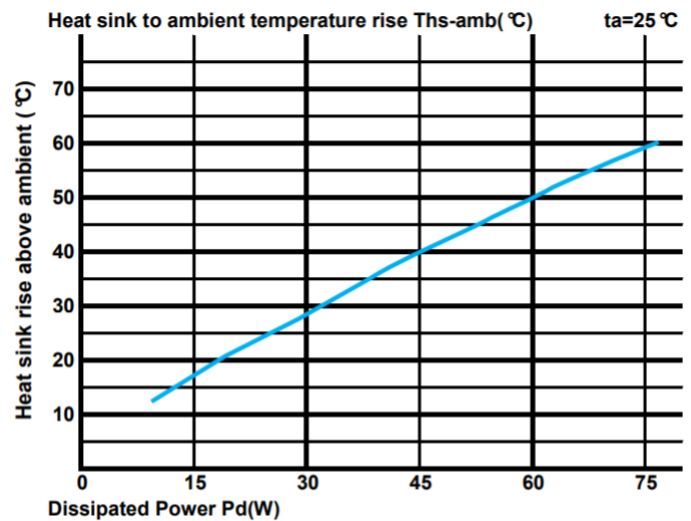
PADED Heat Sink**130mm Diameter**

WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
PADLED-13080	PAD LED Heat Sink 130MM DIA 80H	80	130	4600	33	1.5	492
PADLED-130100	PAD LED Heat Sink 130MM DIA 100H	100	130	6700	48	1	625

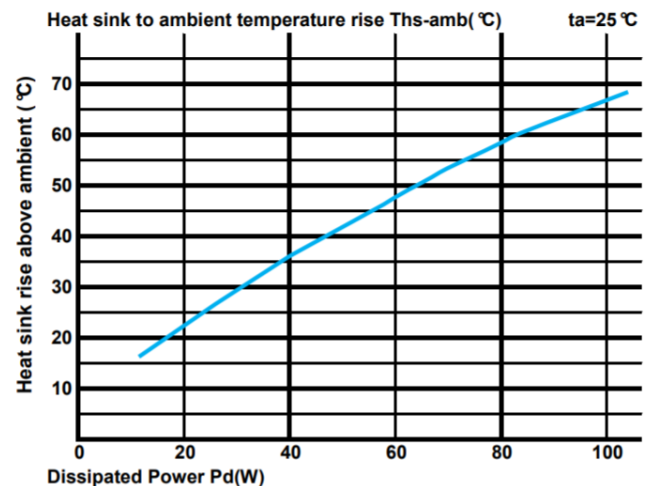
*Note: All Bases Have no Holes

**Thermal Data PADLED-13080**

$P_d = P_e \times (1-\eta_L)$		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)	15.0	1.13	17.0
	30.0	0.93	28.0
	45.0	0.89	40.0
	60.0	0.83	50.0
	75.0	0.77	58.0

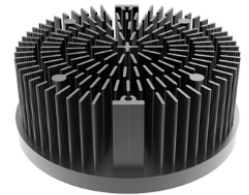
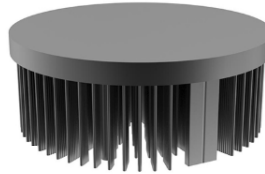
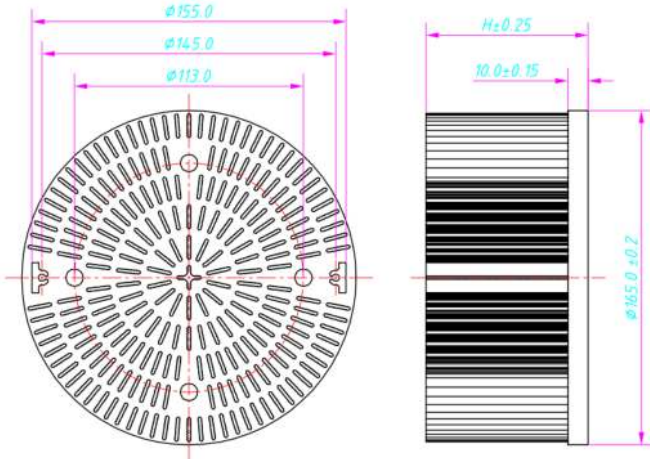
**Thermal Data PADLED-130100**

$P_d = P_e \times (1-\eta_L)$		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)	20.0	1.10	22.0
	40.0	0.90	36.0
	60.0	0.78	47.0
	80.0	0.73	58.0
	100.0	0.66	66.0



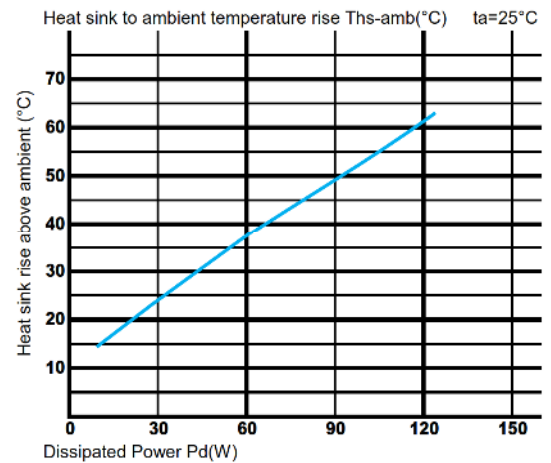
WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
PADLED-16580	PAD LED Heat Sink 165MM DIA 80H	80	165	15000	95	0.52	1550
PADLED-165100	PAD LED Heat Sink 165MM DIA 100H	100	165	16800	120	0.4	1700

*Note: All Bases Have no Holes



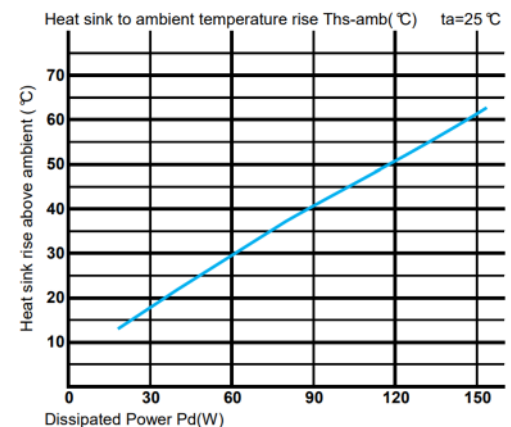
Thermal Data PADLED-16580

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)	30.0	0.78	23.5
	60.0	0.63	38.0
	90.0	0.52	47.0
	120.0	0.51	61.0
	150.0	0.49	73.0



Thermal Data PADLED-165100

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)	30.0	0.60	18.0
	60.0	0.48	29.0
	90.0	0.44	40.0
	120.0	0.42	50.0
	150.0	0.41	61.0



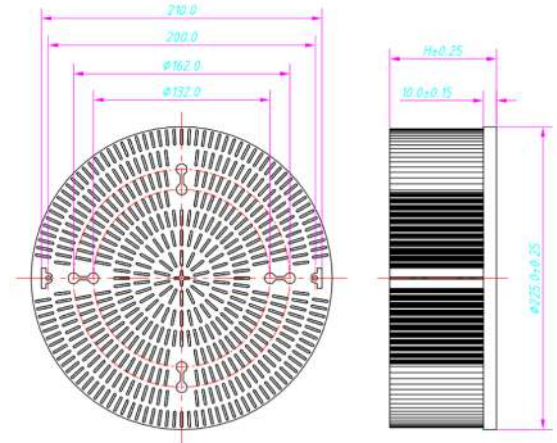
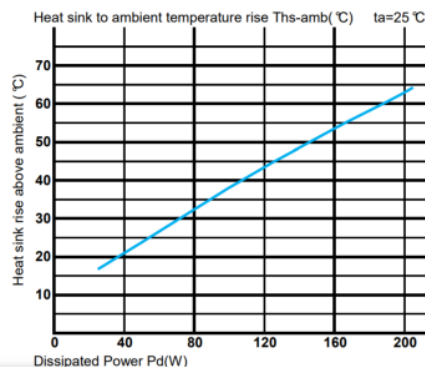
PADED Heat Sink**225mm Diameter**

WKV Part Number	Description	Height (mm)	Diameter (mm)	Max. Lumen (lm)	Dissipated Power (W)	Thermal Resistance (°C/W)	Weight (g)
PADLED-22560	PAD LED Heat Sink 225MM DIA 60H	60	225	21000	150	0.3	2220
PADLED-225100	PAD LED Heat Sink 225MM DIA 100H	100	225	28000	200	0.2	3150

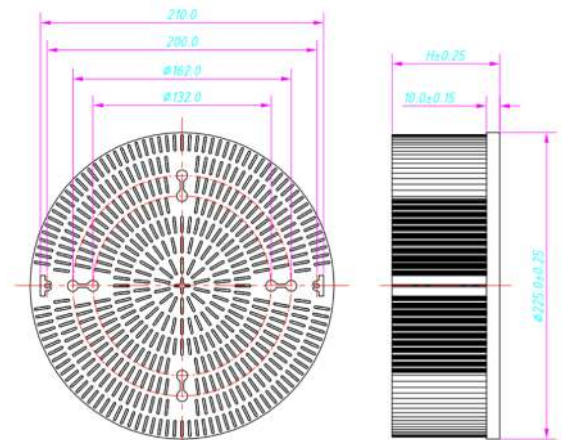
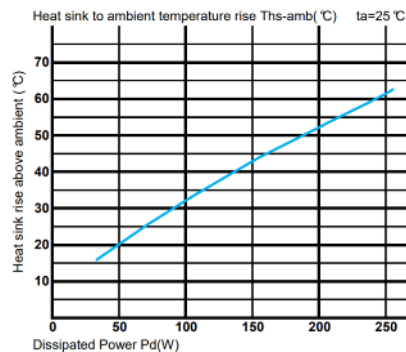
*Note: All Bases Have no Holes

**Thermal Data PADLED-22560**

Dissipated Power Pd(W)	$P_d = P_e \times (1 - \eta_L)$		Heat sink to ambient thermal resistance R _{hs-amb} (°C/W)	Heat sink to ambient temperature rise T _{hs-amb} (°C)
	40.0	80.0		
	0.53	0.41		21.0
	0.37	0.33		33.0
	0.33	0.32		44.0
	0.32			53.0
				63.0

**Thermal Data PADLED-225100**

Dissipated Power Pd(W)	$P_d = P_e \times (1 - \eta_L)$		Heat sink to ambient thermal resistance R _{hs-amb} (°C/W)	Heat sink to ambient temperature rise T _{hs-amb} (°C)
	50.0	100.0		
	0.40	0.32		20.0
	0.29	0.26		32.0
	0.26	0.24		43.0
	0.24			52.0
				61.0



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Wakefield Thermal:](#)

[PADLED-165100](#) [PADLED-225100](#) [PADLED-130100](#) [PADLED-16580](#) [PADLED-13080](#) [PADLED-22560](#)