

SPIRLED Heat Sink
Features:

- Thermal resistance range $R_{th}(7.69^{\circ}\text{C}/\text{W}; 5.0^{\circ}\text{C}/\text{W}; 4.17^{\circ}\text{C}/\text{W})$.
- 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
- Samsung 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.

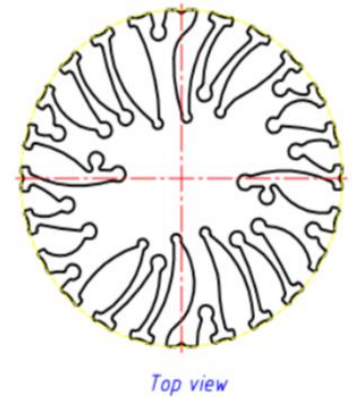
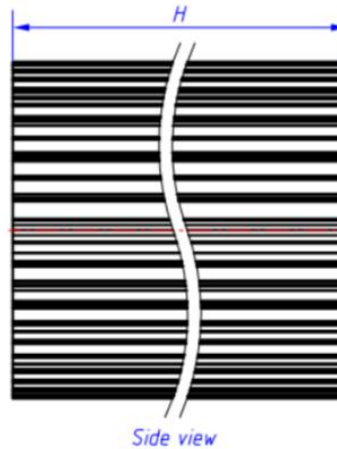
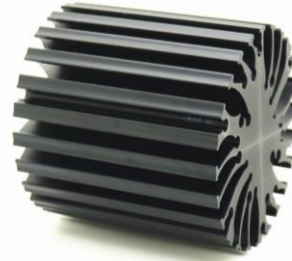
SPIRLED Heat Sink

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 |

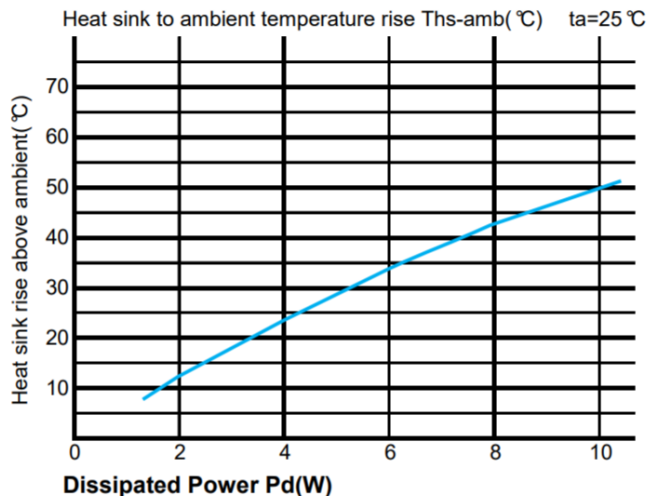
*Note: All Bases Have no Holes

| 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 | Light 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 | 2 | 6.5 |
| 4 | 4 | 6 | 24 |
| 6 | 6 | 5.67 | 34 |
| 8 | 8 | 5.38 | 43 |
| 10 | 10 | 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 | 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 | Light 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) |



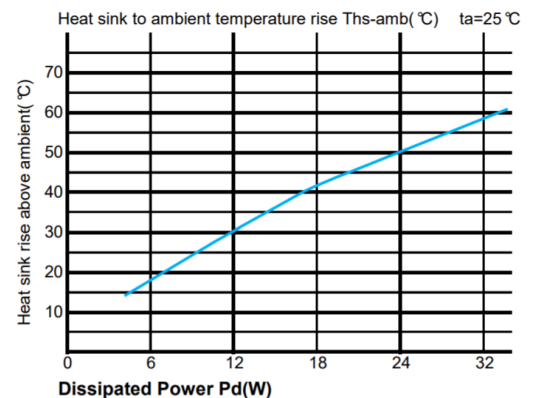
Thermal Data SPIRLED-7050

| 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

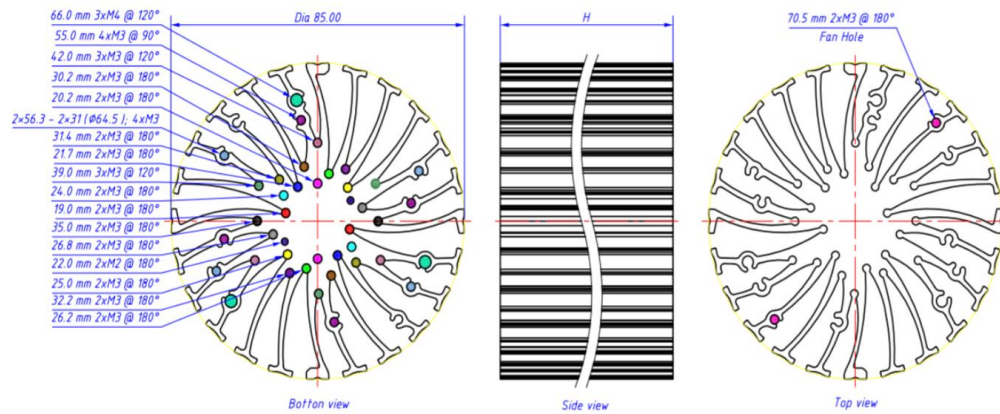
85mm Diameter

| 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 | 5300 | 38 | 1.8 | 458 | |

*Note: All Bases Have no Holes

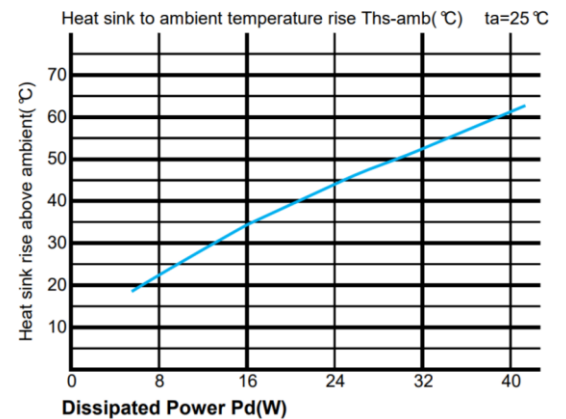


| No. | Finish | Mounting Hole |
|-----|--------|--------------------------------|
| A1 | ● | 19.0 mm 2xM3 @ 180° |
| A2 | ● | 20.2 mm 2xM3 @ 180° |
| A3 | ● | 21.7 mm 2xM3 @ 180° |
| A4 | ● | 22.0 mm 2xM2 @ 180° |
| A5 | ● | 24.0 mm 2xM3 @ 180° |
| A6 | ● | 25.0 mm 2xM3 @ 180° |
| A7 | ● | 26.2 mm 2xM3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



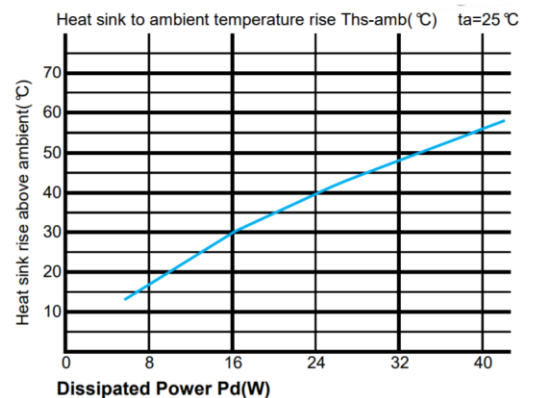
Thermal Data SPIRLED-8550

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



Thermal Data SPIRLED-8580

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

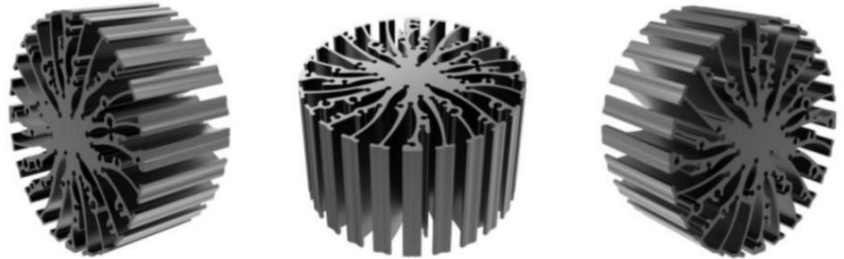


SPIRLED Heat Sink

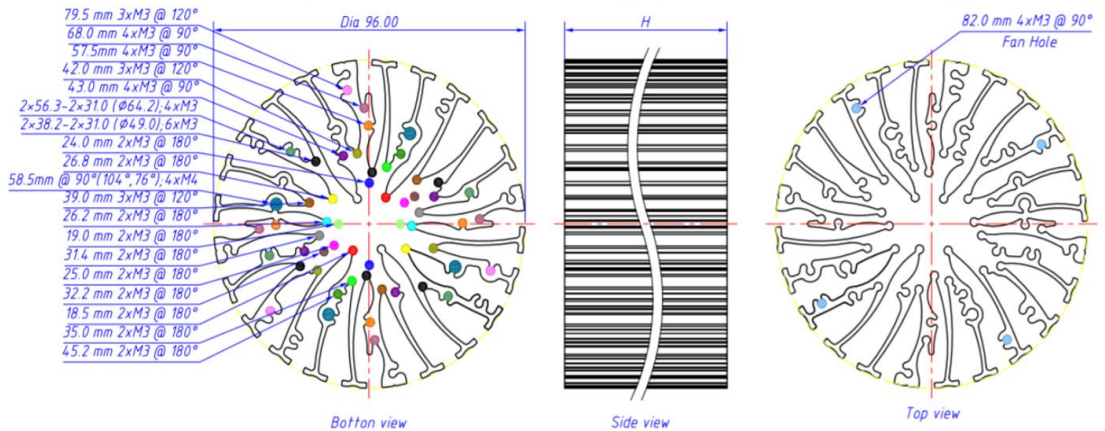
96mm Diameter

| 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 | 6800 | 49.2 | 0.9 | 575 | |

*Note: All Bases Have no Holes

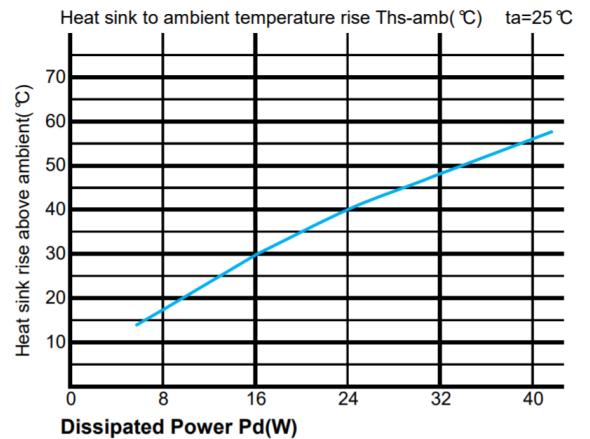


| No. | Finish | Mounting Hole |
|-----|--------|-------------------------------|
| H1 | ● | 18.5 mm 2xM3 @ 180° |
| H2 | ● | 19.0 mm 2xM3 @ 180° |
| H3 | ● | 24.0 mm 2xM3 @ 180° |
| H4 | ● | 25.0 mm 2xM3 @ 180° |
| H5 | ● | 26.2 mm 2xM3 @ 180° |
| H6 | ● | 26.8 mm 2xM3 @ 180° |
| H7 | ● | 31.4 mm 2xM3 @ 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) |



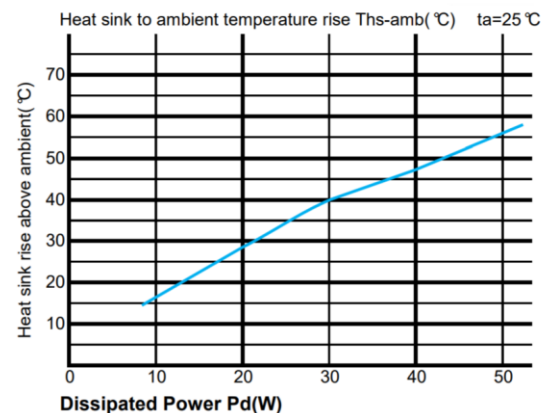
Thermal Data SPIRLED-9650

| 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 |
| 16 | | | 1.88 | 30 |
| 24 | | | 1.67 | 40 |
| 32 | | | 1.5 | 48 |
| 40 | | | 1.4 | 56 |



Thermal Data SPIRLED-9680

| 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) |
|------------------------|------------------|--|--|--|
| | 10 | | | 1.7 |
| 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 | 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° |



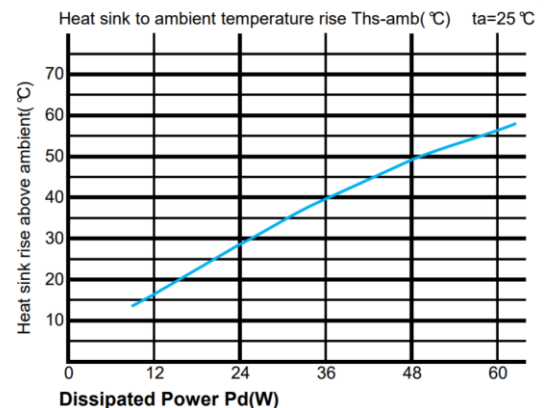
Thermal Data SPIRLED-11050

| 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) |
|------------------------|-------------------------------|--|--|
| | 10 | 1.6 | 16 |
| 20 | 1.4 | 28 | |
| 30 | 1.33 | 40 | |
| 40 | 1.23 | 49 | |
| 50 | 1.16 | 58 | |



Thermal Data SPIRLED-11080

| 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) |
|------------------------|-------------------------------|--|--|
| | 12 | 1.33 | 16 |
| 24 | 1.21 | 29 | |
| 36 | 1.11 | 40 | |
| 48 | 1.03 | 49.5 | |
| 60 | 0.95 | 57 | |





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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