

THE LIGHT YOU NEED

 **Welt
Electronic**



THE LIGHT YOU NEED

Welt Electronic, azienda leader nella distribuzione di componenti elettronici dal 1985, è da sempre un nome di riferimento nel settore Industrial. Un'esperienza basata su approfondite conoscenze di natura tecnica, grande professionalità e attenzione ai bisogni del cliente. Grazie alla sua rete internazionale di Partner Leader del settore la Divisione Industrial è sempre stata in grado di intravedere e anticipare le necessità e gli sviluppi del mercato. Forte di un'ampia gamma di prodotti standard e custom di alta qualità e un servizio tempestivo ed economico, soddisfa le richieste dei clienti più esigenti. Con il passare degli anni Welt ha ampliato e diversificato la sua offerta di prodotti e servizi affrontando anche il mercato delle applicazioni Lighting ad alto tasso tecnologico (dai Driver LED ai Dimmer e Strip LED, dai dissipatori ai COB LED fino ad arrivare ai complessi sistemi di controllo). Oggi, grazie alla sua Divisione Lighting e alla capacità di soddisfare le esigenze più svariate sia in ambito outdoor che indoor, è uno dei più importanti distributori di LED e soluzioni Lighting presente sul mercato Europeo. Welt Electronic, coniugando precisione, affidabilità, e cambiamento costante al servizio dei clienti è un'azienda in costante evoluzione. Sempre in grado di offrire soluzioni innovative che guardano al futuro.

Welt Electronic, a leading distributor of electronic components since 1985, has always been a point of reference for the Industrial sector. Its experience is based on a mix of technical know-how, great professionalism, and top-level customer care. Thanks to its Leading Partners in the Industrial Division, it has always succeeded in predicting and staying one-step ahead of future trends and the needs of the market. Moreover, it is capable of satisfying even the most demanding clientele, thanks to its wide range of high quality products that includes both standard and custom items, as well as a rapid and inexpensive service. Over time, Welt has expanded and diversified its products and services to include highly technological Lighting applications (from LED drivers to Dimmers and Strip LED, and from Heatsinks to COB LED and complex control systems). Today, Welt Electronic is considered one of the most important European leaders of LED distribution, thanks to its Lighting Division and its flexibility in providing indoor and outdoor lighting solutions. Welt Electronic is also a company that is in constant evolution, combining a strong commitment to precision with professionalism and flexibility, so that the needs of every customer are met in the best way possible. Welt offers the innovative solutions of tomorrow for every future customer need.

welt
Electronic



I NOSTRI PARTNER

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Con il motto ‘Sempre alla ricerca di un mondo più luminoso’ il colosso giapponese Nichia si è sviluppato nel campo della produzione e vendita di prodotti chimici ad alto contenuto tecnologico, in particolare materiali luminescenti inorganici (fosfori). La continua ricerca ha portato Nichia a sviluppare e commercializzare il super LED blu ad alta luminosità, accolto con grande stupore dalle società del settore di tutto il mondo. Dal primo annuncio del LED blu nel 1993, i LED Nitride-based con i loro diversi colori di emissione, dall’ultravioletto al giallo, hanno contribuito alla diversificazione dei campi di applicazione. Oltre ai LED, attualmente molte risorse sono concentrate sulla ricerca e sviluppo dei diodi laser blu-viola, che sicuramente rivestiranno un ruolo estremamente importante nell’ulteriore espansione dell’industria dei mezzi di informazione. Nichia ritiene che, a breve, i semiconduttori Nitride-based diventeranno una delle aree più interessanti del settore.

Nichia has quickly grown in the field of manufacturing and sales of fine chemicals, and particularly inorganic luminescent materials (phosphors). In its endless pursuit of brighter luminescent and light-emitting materials, it succeeded in developing and marketing its super high brightness Blue LED in 1993, stunning the sector’s global markets with its brilliance. Since Blue LED was first announced to the world in 1993, Nitride-based LEDs in different emission colors, ranging from Ultraviolet to yellow have been contributing to the diversification of LED application fields. In addition to LEDs, many resources are now being focused on the R/D of bluish purple laser diodes, which will definitely play a key role for the further expansion of the information media industry. Nichia believes that Nitride-based semiconductors will become one of the most exciting areas of the semiconductor industry in the near future.



LOW - MID POWER

| NICHIA LOW-MID POWER | | | | | | | | | | | |
|----------------------|--------------------|----------|-----------|-----------------|------|--------------------|-----|---------------------|-----|----------------------|-----|
| Model Name | Power [W] | Color | CCT [K] | ANSI 3 o 5 SDCM | CRI | Luminous Flux [lm] | | Forward Voltage [V] | | Forward Current [mA] | |
| | | | | | | Min | Max | Typ | Typ | Max | |
| NSSxT02A-V2 | 0.2 W (0.4 W Max) | White | 2700-6500 | | 80** | 21 | 36 | 2.94 | | 65 | 130 |
| Nxx757G | 0.3 W (0.5 W Max) | Colored* | ** | | / | ** | ** | ** | | ** | ** |
| NTSx757G-V1 | 0.2 W (0.4 W Max) | White | 2700-6500 | | 80** | 21 | 43 | 2.94 | | 65 | 120 |
| NT2x757G-V1 | 0.2 W (0.5 W Max) | White | 2700-6500 | | 80** | 21 | 43 | 2.80 | | 65 | 180 |
| NT2x757GR-V1 | 0.45 W (0.9 W Max) | White | 2700-6500 | | 80** | 43 | 102 | 5.95 | | 75 | 150 |
| NFSW757G-V2 | 0.2 W (0.5 W Max) | White | 2700-6500 | | 80** | 25 | 51 | 2.84 | | 65 | 180 |
| NF2x757GR-V1 | 0.95 W (1.2 W Max) | White | 2700-6500 | | 80** | 85 | 171 | 6.30 | | 150 | 200 |
| NF2W757G-V2F1 | 0.2 W (0.5 W Max) | White | 2700-6500 | | 80** | 25 | 51 | 2.73 | | 65 | 180 |

*COLORATI

**VALORI DIFFERENTI A SECONDA DEL COLORE

***DISPONIBILE SU RICHIESTA NELLA VERSIONE CON CRI MIN 90

****NFSX757G DISPONIBILE ANCHE NELLA VERSIONE CON CRI MIN 95



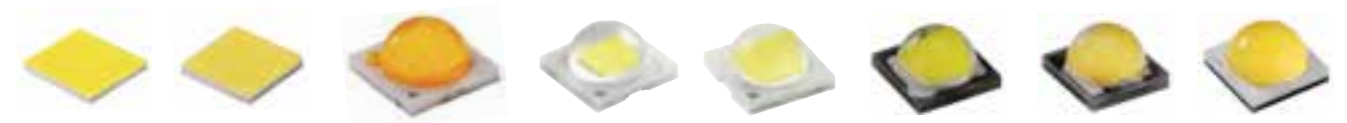
COB

| NICHIA COB-B-V2 | | | | | | | | | | |
|-----------------|---------------------|-------|---------------------|-----|--------------------|-------|---------------------|------|----------------------|--|
| Model Name | Power [W] | Color | CCT [K] ANSI 3 SDCM | CRI | Luminous Flux [lm] | | Forward Voltage [V] | | Forward Current [mA] | |
| | | | | | Min | Max | Typ | Typ | Max | |
| NTCWT012B-V2 | 2.5 W (5.3 W Max) | White | 2700-6500 | 80* | 340 | 500 | 35.0 | 70 | 150 | |
| NTCWS024B-V2 | 4.5 W (11 W Max) | White | 2700-6500 | 80* | 650 | 900 | 34.9 | 135 | 300 | |
| NFCWL036B-V2 | 9 W (19 W Max) | White | 2700-6500 | 80* | 1300 | 1750 | 34.7 | 260 | 540 | |
| NFCWL048B-V2 | 12.5 W (25 W Max) | White | 2700-6500 | 80* | 1800 | 2450 | 34.8 | 360 | 720 | |
| NFCWL060B-V2 | 16 W (31.5 W Max) | White | 2700-6500 | 80* | 2300 | 3000 | 34.9 | 460 | 900 | |
| NFCWL072B-V2 | 18.8 W (37.5 W Max) | White | 2700-6500 | 80* | 2700 | 3500 | 34.8 | 540 | 1080 | |
| NFCWJ084B-V2 | 23.5 W (44 W Max) | White | 2700-6500 | 80* | 3250 | 4450 | 35.0 | 670 | 1260 | |
| NFCWJ096B-V2 | 26.6 W (50.5 W Max) | White | 2700-6500 | 80* | 3700 | 4900 | 35.0 | 760 | 1440 | |
| NFCWJ108B-V2 | 30 W (56.7 W Max) | White | 2700-6500 | 80* | 4200 | 5700 | 35.0 | 860 | 1620 | |
| NFCWJ120B-V2 | 37 W (63.5 W Max) | White | 2700-6500 | 80* | 5000 | 6800 | 35.3 | 1050 | 1800 | |
| NFDWJ130B-V2 | 44.5 W (69.5 W Max) | White | 2700-6500 | 80* | 6000 | 8100 | 38.6 | 1150 | 1800 | |
| NFEWH306B-V2 | 72.7 W (109 W Max) | White | 2700-6500 | 80* | 10200 | 13750 | 51.9 | 1400 | 2100 | |

*DISPONIBILE SU RICHIESTA NELLA VERSIONE CON CRI MIN 90 R9>50 e CRI MIN 95

| NICHIA COB-Z | | | | | | | | | | |
|--------------|---------------------|-------|---------------------|-----|--------------------|-------|---------------------|------|----------------------|--|
| Model Name | Power [W] | Color | CCT [K] ANSI 3 SDCM | CRI | Luminous Flux [lm] | | Forward Voltage [V] | | Forward Current [mA] | |
| | | | | | Min | Max | Typ | Typ | Max | |
| NVNSW007Z-V1 | 12 W (22.7 W Max) | White | 2700-6500 | 80* | 1350 | 1900 | 20.6 | 580 | 1100 | |
| NJCWS024Z-V1 | 18 W (36 W Max) | White | 2700-6500 | 80* | 1900 | 2700 | 36.0 | 500 | 1000 | |
| NVEWL016Z-V1 | 28.2 W (51.7 W Max) | White | 2700-6500 | 80* | 3200 | 4500 | 47.0 | 600 | 1100 | |
| NVCWL024Z-V1 | 42 W (77.5 W Max) | White | 2700-6500 | 80* | 4800 | 6850 | 35.1 | 1200 | 2200 | |
| NVEWJ048Z-V1 | 84.5 W (155 W Max) | White | 2700-6500 | 80* | 9500 | 13500 | 47.0 | 1800 | 3300 | |

*DISPONIBILE SU RICHIESTA NELLA VERSIONE CON CRI MIN 90 R9>50



HIGH POWER

| NICHIA SMD HIGH POWER HIGH VOLTAGE | | | | | | | | | | |
|------------------------------------|--------------------|-------|-------------------------|-----|--------------------|------|---------------------|-----|----------------------|--|
| Model Name | Power [W] | Color | CCT [K] ANSI 3 o 5 SDCM | CRI | Luminous Flux [lm] | | Forward Voltage [V] | | Forward Current [mA] | |
| | | | | | Min | Max | Typ | Typ | Max | |
| NFMW481AR | 4.6 W (5.7 W Max) | White | 2700-6500 | 80* | 400 | 700 | 22.9 | 200 | 250 | |
| NFMW484AR | 6.5 W (8.2 W Max) | White | 2700-6500 | 80* | 560 | 960 | 32.8 | 200 | 250 | |
| NFMW486AR | 7.8 W (9.8 W Max) | White | 2700-6500 | 80* | 670 | 1140 | 39.3 | 200 | 250 | |
| NFMW488AR | 9.2 W (11.5 W Max) | White | 2700-6500 | 80* | 770 | 1330 | 45.9 | 200 | 250 | |

*DISPONIBILE SU RICHIESTA NELLA VERSIONE CON CRI MIN 90 R9>50

| NICHIA HIGH POWER | | | | | | | | | | |
|-------------------|------------------|----------|-------------------------|-------|--------------------|------|---------------------|------|----------------------|--|
| Model Name | Power [W] | Color | CCT [K] ANSI 3 o 5 SDCM | CRI | Luminous Flux [lm] | | Forward Voltage [V] | | Forward Current [mA] | |
| | | | | | Min | Max | Typ | Typ | Max | |
| NCSxE17A | 1 W (2 W Max) | White | 2700-6500 | 80*** | 120 | 170 | 3.0 | 350 | 700 | |
| NVSxE21A | 2 W (4 W Max) | White | 2700-6500 | 80*** | 240 | 340 | 3.0 | 700 | 1400 | |
| NCSx219B-V1 | 1 W (4.5 W Max) | Colored* | ** | / | ** | ** | ** | 350 | ** | |
| NCSx219B-V1 | 1 W (4.5 W Max) | White | 2700-6500 | 80*** | 140 | 170 | 2.96 | 350 | 1500 | |
| NVSx219B-V1 | 2 W (4.5 W Max) | White | 2700-6500 | 80*** | 220 | 320 | 2.98 | 700 | 1500 | |
| NVSx219C Impr. | 2 W (5.4 W Max) | White | 2700-6500 | 80*** | 220 | 340 | 2.98 | 700 | 1800 | |
| NVSx319A | 3W (6 W Max) | White | 2700-6500 | 80 | 320 | 520 | 3.02 | 1050 | 2000 | |
| NWSx229A | 4.2 W (6 W Max) | White | 2700-6500 | 80 | 500 | 700 | 3.0 | 1400 | 2000 | |
| NV4x144AR | 8.4 W (18 W Max) | White | 2700-6500 | 80 | 800 | 1400 | 11.9 | 700 | 1500 | |
| NV4x144AM | 8.4 W (18 W Max) | White | 2700-6500 | 80 | 800 | 1400 | 5.97 | 1400 | 3000 | |

*COLORATI

**VALORI DIFFERENTI A SECONDA DEL COLORE

***DISPONIBILE SU RICHIESTA NELLA VERSIONE CON CRI MIN 90

SORAA

Creando per prima lampade che utilizzano LED fabbricati a partire da substrati di nitruro di gallio puro (GaN on GaN™), Soraa ha reso gli ordinari apparecchi di illuminazione straordinariamente luminosi ed efficienti. Le lampade a LED GaN™ a spettro completo realizzate da Soraa presentano una resa cromatica e caratteristiche del fascio superiori rispetto alle lampade che utilizzano LED fabbricati a partire da substrati non nativi. Fondata nel 2008, Soraa ha sede a Fremont, in California, dove fabbrica i LED GaN on GaN™ in uno stabilimento all'avanguardia.

Soraa was founded in 2008 in Goleta, California, by a team of pioneering professors from the worlds of engineering and semiconductors. In 2007, they placed a bet on an LED technology platform that was completely different from those in use by other industries at that time, and even considered impossible to execute by most industry experts. The bet they placed was on Gallium GaN on GaN for their LEDs. Pioneering lamps using LEDs built from pure gallium nitride substrates (GaN on GaN™), Soraa has made ordinary lighting extraordinarily brilliant and efficient. Soraa's full spectrum GaN on GaN LED lamps have superior color rendering and beam characteristics compared to lamps using LEDs created from non-native substrates. Soraa is located in Fremont California, where it manufactures its GaN on GaN LEDs in the company's state-of-the-art facility.



LAMPS



HIGH POWER

| SORAA Optical Light Engine | | | | | | |
|----------------------------|----------------------------|-------------------|--------------|-----------------|---------|--------------------|
| Part Number | Model | CCT | CRI | Beam | | Luminous Flux [lm] |
| | | | | Min | Opening | |
| SLE30-xx-xxD-9xx-03-01 | SLE30 with heatsink | 2700K-3000K-4000K | VIVID 95 | 4°-9°-25°-36° | | 265-1050 |
| SLE30-xx-xxD-8xx-03-01 | SLE30 with heatsink | 2700K-3000K | BRILLIANT 85 | 4°-9°-25°-36° | | 330-1250 |
| SLE16-xx-xxD-9xx-03-01 | SLE16 with heatsink | 2700K-3000K-4000K | VIVID 95 | 10°-15°-25°-36° | | 435-755 |
| SLE16-xx-xxD-8xx-03-01 | SLE16 with heatsink | 2700K-3000K | BRILLIANT 85 | 10°-15°-25°-36° | | 545-900 |
| SLE16-xx-xxD-9xx-03-03 | SLE16 with larger heatsink | 2700K-3000K | VIVID 95 | 10°-15°-25°-36° | | 510-1000 |
| SLE16-xx-xxD-8xx-03-03 | SLE16 with larger heatsink | 2700K-3000K | BRILLIANT 85 | 10°-15°-25°-36° | | 640-1250 |
| SLE11-06-xxD-9xx-03-01 | SLE11 with heatsink | 2700K-3000K-4000K | VIVID 95 | 25°-36° | | 405-450 |
| SLE11-06-xxD-8xx-03-01 | SLE11 with heatsink | 2700K-3000K | BRILLIANT 85 | 25°-36° | | 510-535 |
| SLC30-xx-xxD-9xx-03-00 | SLC30 without heatsink | 2700K-3000K-4000K | VIVID 95 | 4°-9°-25°-36° | | 235-1050 |
| SLC30-xx-xxD-8xx-03-00 | SLC30 without heatsink | 2700K-3000K | BRILLIANT 85 | 4°-9°-25°-36° | | 285-1210 |
| SLC16-xx-xxD-9xx-03-00 | SLC16 without heatsink | 2700K-3000K-4000K | VIVID 95 | 10°-15°-25°-36° | | 475-1050 |
| SLC16-xx-xxD-8xx-03-00 | SLC16 without heatsink | 2700K-3000K | BRILLIANT 85 | 10°-15°-25°-36° | | 570-1210 |
| SLC11-06-xxD-9xx-03-00 | SLC11 without heatsink | 2700K-3000K-4000K | VIVID 95 | 25°-36° | | 475-525 |
| SLC11-06-xxD-8xx-03-00 | SLC11 without heatsink | 2700K-3000K | BRILLIANT 85 | 25°-36° | | 570-605 |

| SORAA Lamps | | | | | | |
|--------------------------|-------------------------|-------------------|--------------|--------------------------|---------|--------------------|
| Part Number | Model | CCT | CRI | Beam | | Power [W] |
| | | | | Min | Opening | |
| SM16-xx-xxD-9xx-03-S3 | MR16 - GU5.3 | 2700K-3000K-4000K | VIVID 95 | 10°-25°-36° | | 6W - 7.5W - 9W |
| SM16-xx-xxD-8xx-03-S3 | MR16 - GU5.3 | 2700K-3000K | BRILLIANT 85 | 10°-25°-36° | | 6W - 7.5W - 9W |
| SM16GW-xx-xxD-9xx-03-S3 | MR16 - GU10 | 2700K-3000K-4000K | VIVID 95 | 10°-25°-36°-60° | | 5.4W - 7.5W - 9.5W |
| SM16GW-xx-xxD-8xx-03-S3 | MR16 - GU10 | 2700K-3000K | BRILLIANT 85 | 10°-25°-36°-60° | | 5.4W - 7.5W - 9.5W |
| SM16C-CC1-xxD-9xx-03-S3 | MR16 - CONSTANT CURRENT | 2700K-3000K-4000K | VIVID 95 | 10°-25°-36° | | 8.5W |
| SP20W-xx-xxD-9xx-03-S3 | PAR20 | 2700K-3000K-4000K | VIVID 95 | 8°-10°-25°-36°-60° | | 5.4W - 10.8W |
| SP20W-xx-xxD-8xx-03-S3 | PAR20 | 2700K-3000K | BRILLIANT 85 | 8°-10°-25°-36°-60° | | 5.4W - 10.8W |
| SP30LW-xx-xxD-9xx-03-S3 | PAR30L - LONG NECK | 2700K-3000K-4000K | VIVID 95 | 8°-9°-25°-36°-50°-60° | | 12.5W-18.5W |
| SP30LW-xx-xxD-8xx-03-S3 | PAR30L - LONG NECK | 2700K-3000K | BRILLIANT 85 | 8°-9°-25°-36°-50°-60° | | 12.5W-18.5W |
| SP30SW-xx-xxD-9xx-03-S3 | PAR30S - SHORT NECK | 2700K-3000K-4000K | VIVID 95 | 8°-9°-25°-36°-50°-60° | | 12.5W-18.5W |
| SP30SW-xx-xxD-8xx-03-S3 | PAR30S - SHORT NECK | 2700K - 3000K | BRILLIANT 85 | 8°-9°-25°-36°-50°-60° | | 12.5W-18.5W |
| SP38W -18-xxD-9xx-03-S3 | PAR38 | 2700K-3000K-4000K | VIVID 95 | 9°-25°-36°-60° | | 18.5W |
| SP38W -18-xxD-8xx-03-S3 | PAR38 | 2700K-3000K | BRILLIANT 85 | 9°-25°-36°-60° | | 18.5W |
| P36W-xx-xxD-9xx-03-S3 | PAR36 | 2700K-3000K-4000K | VIVID 95 | 4°-8°-9°-25°-36°-50°-60° | | 6W - 12.5W - 18.5W |
| SP36W-xx-xxD-8xx-03-S3 | PAR36 | 2700K - 3000K | BRILLIANT 85 | 4°-8°-9°-25°-36°-50°-60° | | 6W - 12.5W - 18.5W |
| SR111-xx-xxD-9xx-03-S3 | AR111 | 2700K-3000K-4000K | VIVID 95 | 4°-8°-9°-25°-36°-50°-60° | | 6W - 12.5W - 18.5W |
| SR111-xx-xxD-8xx-03-S3 | AR111 | 2700K-3000K | BRILLIANT 85 | 4°-8°-9°-25°-36°-50°-60° | | 6W - 12.5W - 18.5W |
| SR111GW-xx-xxD-9xx-03-S3 | AR111 - GU10 | 2700K-3000K-4000K | VIVID 95 | 9°-25°-36°-60° | | 18.5W |
| SR111GW-xx-xxD-8xx-03-S3 | AR111 - GU10 | 2700K - 3000K | BRILLIANT 85 | 9°-25°-36°-60° | | 18.5W |

Lextar Electronics Corporation è leader mondiale nella produzione di LED capace di integrare upper stream epitaxial, middle stream chip e downstream package and LED lighting applications. Fondata nel maggio 2008, Lextar è una sussidiaria di AU Optronics, azienda leader nella produzione di pannelli solari e TFT-LCD. Con oltre 1500 brevetti nel mondo, Lextar è un importante innovatore di applicazioni del prodotto, che includono: retroilluminazione LCD e varie soluzioni di illuminazione. Per allargare ulteriormente il suo mercato, nel marzo 2010 Lextar ha acquisito LightHouse Technology Inc. e nel febbraio 2013 Wellpower Optronics. Attualmente ha tre stabilimenti di produzione in Taiwan e due a Suzhou, in Cina. Il nuovo sito di produzione a Suzhou, inaugurato nel 2012, copre una superficie di oltre 240.000 metri quadrati ed è la più grande base di produzione di LED Lextar in Cina.

Lextar Electronics Corporation is a global leader in LED (Light Emitting Diode) solutions, characterized by a strategic ability to integrate upper stream epitaxial, middle stream chip, downstream package, and LED lighting applications. Founded in May 2008, Lextar is a subsidiary of AU Optronics, the leading TFT-LCD and solar PV manufacturer. With over 1,500 patents worldwide, Lextar is an innovator of product applications, which include: LCD backlights, luminaire, and various lighting solutions. To further extend its market advantage, Lextar acquired LightHouse Technology Inc. in March 2010, and well power Optronics in February 2013. It currently has three manufacturing plants in Taiwan, and two in Suzhou China. The new manufacturing site in Suzhou, China is the first flagship LED enterprise in Suzhou Science Industrial Park to integrate upper stream, middle stream, and downstream manufacturing. Covering a land area of over 240,000 square meters, the facility was officially launched for production in 2012, and today, it has become Lextar's biggest LED production base in mainland China.



COB

LLEXTAR COB Ver.4 e SOLAR

| Model Name | Power [W] | Color | CCT [K] | CRI | Package | Luminous Flux [lm] | Forward Voltage [V] | Forward Current [mA] | |
|------------|-----------------|-------|-------------|--------------------|-------------------|--------------------|---------------------|----------------------|------|
| | | | ANSI 3 SDCM | | Size [mm] | Typ | Typ | Typ | Max |
| PB06H09.0 | 6 W (15 W Max) | White | 2700-6500 | 80 Min | 13.5x13.5 LES9.8 | 890 | 33.4 | 180 | 450 |
| PB06U10.0 | 6 W (15 W Max) | White | 2700-4000 | 90 Min | 13.5x13.5 LES9.8 | 726 | 33.4 | 180 | 450 |
| PB06V11.0 | 6 W (15 W Max) | White | 2700-6500 | 97 Typ (R9 Typ 90) | 13.5x13.5 LES9.8 | 717 | 33.4 | 180 | 450 |
| PB09H01.0 | 9 W (23 W Max) | White | 2700-6500 | 80 Min | 13.5x13.5 LES9.8 | 1317 | 33.4 | 270 | 675 |
| PB09U02.0 | 9 W (23 W Max) | White | 2700-4000 | 90 Min | 13.5x13.5 LES9.8 | 1078 | 33.4 | 270 | 675 |
| PB09V03.0 | 9 W (23 W Max) | White | 2700-6500 | 97 Typ (R9 Typ 90) | 13.5x13.5 LES9.8 | 1064 | 33.4 | 270 | 675 |
| PB13H01.0 | 12 W (30 W Max) | White | 2700-6500 | 80 Min | 13.5x13.5 LES9.8 | 1712 | 33.4 | 360 | 900 |
| PB13U02.0 | 12 W (30 W Max) | White | 2700-4000 | 90 Min | 13.5x13.5 LES9.8 | 1402 | 33.4 | 360 | 900 |
| PB13V03.0 | 12 W (30 W Max) | White | 2700-6500 | 97 Typ (R9 Typ 90) | 13.5x13.5 LES9.8 | 1384 | 33.4 | 360 | 900 |
| PB16H01.0 | 15 W (37 W Max) | White | 2700-6500 | 80 Min | 19.0x19.0 LES14.5 | 2255 | 33.4 | 450 | 1125 |
| PB16U02.0 | 15 W (37 W Max) | White | 2700-4000 | 90 Min | 19.0x19.0 LES14.5 | 1845 | 33.4 | 450 | 1125 |
| PB16V03.0 | 15 W (37 W Max) | White | 2700-6500 | 97 Typ (R9 Typ 90) | 19.0x19.0 LES14.5 | 1822 | 33.4 | 450 | 1125 |
| PB19H01.0 | 18 W (45 W Max) | White | 2700-6500 | 80 Min | 19.0x19.0 LES14.5 | 2679 | 33.4 | 540 | 1350 |
| PB19U02.0 | 18 W (45 W Max) | White | 2700-4000 | 90 Min | 19.0x19.0 LES14.5 | 2193 | 33.4 | 540 | 1350 |
| PB19V03.0 | 18 W (45 W Max) | White | 2700-6500 | 97 Typ (R9 Typ 90) | 19.0x19.0 LES14.5 | 2164 | 33.4 | 540 | 1350 |
| PB26H01.0 | 24 W (59 W Max) | White | 2700-6500 | 80 Min | 19.0x19.0 LES14.5 | 3507 | 33.4 | 720 | 1800 |
| PB26U02.0 | 24 W (59 W Max) | White | 2700-4000 | 90 Min | 19.0x19.0 LES14.5 | 2871 | 33.4 | 720 | 1800 |
| PB26V03.0 | 24 W (59 W Max) | White | 2700-6500 | 97 Typ (R9 Typ 90) | 19.0x19.0 LES14.5 | 2834 | 33.4 | 720 | 1800 |
| PB38H01.0 | 36 W (89 W Max) | White | 2700-6500 | 80 Min | 28.0x28.0 LES22.0 | 5415 | 33.6 | 1080 | 2700 |
| PB38U02.0 | 36 W (89 W Max) | White | 2700-4000 | 90 Min | 28.0x28.0 LES22.0 | 4433 | 33.6 | 1080 | 2700 |
| PB38V03.0 | 36 W (89 W Max) | White | 2700-6500 | 97 Typ (R9 Typ 90) | 28.0x28.0 LES22.0 | 4375 | 33.6 | 1080 | 2700 |



LOW - MID POWER

LEXTAR Low-Mid Power

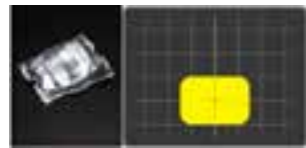
| Model Name | Power [W] | Color | CCT [K] | CRI | Package | Luminous Flux [lm] | Forward Voltage [V] | Forward Current [mA] | |
|------------|-----------|-------|-----------------|-----|-----------|--------------------|---------------------|----------------------|-----|
| | | | ANSI 3 o 7 SDCM | | Size [mm] | Typ | Typ | Typ | Max |
| PC20H01.0 | 0.2 W | White | 2700-6500 | 80 | 2.0x1.6 | 25.5 | 3.15 | 65 | 100 |
| PC20U06.0 | 0.2 W | White | 2700-4000 | 90 | 2.0x1.6 | 21.2 | 3.15 | 65 | 100 |
| PC30H08.1 | 0.2 W | White | 2700-6500 | 80 | 3.0x1.4 | 28.5 | 3.08 | 65 | 120 |
| PC30U12.0 | 0.2 W | White | 2700-6500 | 90 | 3.0x1.4 | 23.5 | 3.06 | 65 | 120 |
| PC35H12.0 | 0.2 W | White | 2700-6500 | 80 | 2.8x3.5 | 27 | 3.05 | 60 | 80 |
| PC35H11.1 | 0.2 W | White | 2700-6500 | 80 | 2.8x3.5 | 32 | 3.05 | 65 | 180 |
| PC35U16.1 | 0.2 W | White | 2700-6500 | 90 | 2.8x3.5 | 28 | 3.05 | 65 | 180 |
| PC35H13.1 | 0.94 W | White | 2700-6500 | 80 | 2.8x3.5 | 120 | 9.4 | 100 | 150 |
| PC33H23.0 | 0.2 W | White | 2700-6500 | 80 | 3.0x3.0 | 30.5 | 2.95 | 65 | 200 |
| PC33U28.2 | 0.2 W | White | 2700-6500 | 90 | 3.0x3.0 | 29.3 | 2.75 | 65 | 200 |
| PC33H05.1 | 1.2 W | White | 2700-6500 | 80 | 3.0x3.0 | 140 | 48 | 25 | 35 |
| PC33H13.1 | 1.3 W | White | 2700-6500 | 80 | 3.0x3.0 | 150 | 32 | 40 | 50 |
| PC33H07.0 | 1 W | White | 2700-6500 | 80 | 3.0x3.0 | 125 | 6.3 | 150 | 200 |
| PC33U30.0 | 1 W | White | 2700-6500 | 90 | 3.0x3.0 | 102.5 | 6.3 | 150 | 200 |
| PC56H19.0 | 0.2 W | White | 2700-6500 | 80 | 5.6x3.0 | 34.5 | 2.95 | 65 | 180 |
| PC56U21.0 | 0.2 W | White | 2700-6500 | 90 | 5.6x3.0 | 29.0 | 2.95 | 65 | 180 |
| PC56H14.0 | 0.45 W | White | 2700-6500 | 80 | 5.6x3.0 | 58 | 22 | 20 | 35 |
| PC55H10.0 | 5.5 W | White | 2700-6500 | 80 | 5.0x5.0 | 699.5 | 36.8 | 150 | 240 |
| PC55U14.0 | 5.5 W | White | 2700-6500 | 90 | 5.0x5.0 | 605 | 36.8 | 150 | 240 |

Ledil è un fornitore finlandese, produttore di ottiche LED secondarie di alta qualità. L'azienda è caratterizzata da un atteggiamento innovativo finalizzato a fornire ai propri clienti le migliori soluzioni anche personalizzate. La gamma standard conta oltre 1300 prodotti e comprende lenti, riflettori e le combinazioni per diverse luci a LED. Il reparto logistico di Ledil è di supporto ai clienti per trovare la soluzione migliore, per ricevere i prodotti rapidamente e ad un costo ragionevole.

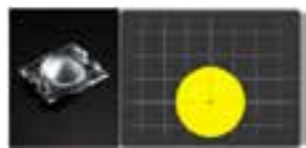
Ledil products and solutions bring out the best in lighting. It offers a wide range of high quality standard products and custom solutions that meet the needs and requirements of lighting and electronic manufacturers. Its wide standard product range of over 1300 products includes lenses, and reflectors and their combinations for various LED lights. Its professional logistics department helps its clientele find the best solutions, with products delivered promptly and at a reasonable cost.



STRADA-A



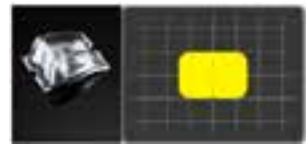
STRADA-B STRADA-DN



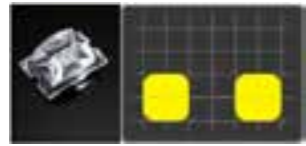
STRADA-C



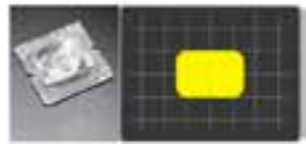
STRADA-DW



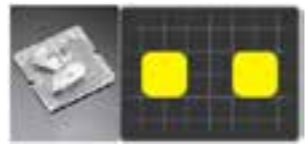
STRADA-T-DN



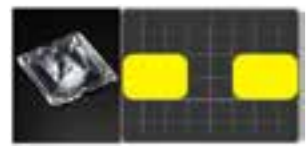
STRADA-T-DW



STRADA-SQ-T-DN



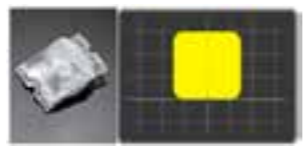
STRADA-SQ-T-DW



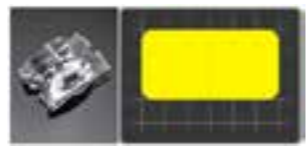
STRADA-SQ-T-DW-US



STRADA-SQ-A-T



STRADA-FT



STRADA-FW



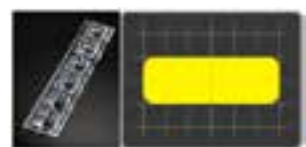
STRADA-2X2-A-T



STRADA-2X2-DNW



STRADA-2X2-DWC



STRADA-T-6X1-DNW



STRADA-T-6X1-DWC

| LEDiL® | | | | | | | | | | | |
|----------------------------|--------------------------|-----------|-----------|-----------|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------|---------------------------------------|---------------------------|
| LED | NTCWT012B/ COB T-Type | NSCxL036A | NSBxL066A | NSBxL121A | NFCWL060B/ COB L-Type (LES 11) | NFCWL048B/ COB L-Type (LES 9) | NFCWL048B/ COB L-Type (LES 11) | NFCWL072B/ COB L-Type (LES 11) | NFCWL024B/ COB S-Type | NVCxL024Z / COB L-Type (LES 11) | NJCxS024Z / COB S-Type |
| Package size (mm) | 15x15x1.0 | 19x16x1.0 | 19x16x1.0 | 19x16x1.0 | 19x16x1.0 | 19x16x1.0 | 19x16x1.0 | 19x16x1.0 | 19x16x1.0 | 19x16x1.0 | 15x12x1.0 |
| FP15490_ HEKLA-A | | | | | | | | | | | |
| FP15500_ HEKLA-B | | | | | | | | | | | |
| FP15501_ HEKLA-C | | | | | | | | | | | |
| FP15502_ HEKLA-D | | | | | | | | | | | |
| FP15503_ HEKLA-E | | | | | | | | | | | |
| FP15947_ HEKLA-G | X | | | | | | | | X | | X |
| FP15949_ HEKLA-H | | X | X | X | X | X | X | X | | X | |
| FP15957_ HEKLA-J | | | | | | | | | | | |
| F15253_HEK- LA-SOCKET-A | | | | | | | | | | | |
| F15254_HEK- LA-SOCKET-B | | | | | | | | | | | |
| F15255_HEK- LA-SOCKET-C | | | | | | | | | | | |
| F15256_HEK- LA-SOCKET-D | | | | | | | | | | | |
| F11988_HEK- LA-SOCKET-E | | | | | | | | | | | |
| F15616_HEK- LA-SOCKET-F | X | | | | | | | | X | | X |
| F15848_HEK- LA-SOCKET-G | | X | X | X | X | X | X | X | | X | |
| F15858_HEK- LA-SOCKET-H | | | | | | | | | | | |
| F15859_HEK- LA-SOCKET-I | | | | | | | | | | | |
| F15956_HEK- LA-SOCKET-J | | | | | | | | | | | |
| F16142_HEK- LA-SOCKET-K | | | | | | | | | | | |

MOSO

Moso Power Supply Technology Co. è un'azienda supportata dal National Twelfth Five-year Plan, si occupa di nuove tecnologie avanzate e risparmio energetico e produce alimentatori. Tecnologia e qualità sono l'anima dell'azienda, MOSO Power Supply ha portato avanti le sue ricerche industriali collaborando con molte università e molti College, fondando il MOSO Power Supply Technology Research Institute. L'Istituto è riconosciuto per affidabilità e sicurezza dei propri laboratori, che guidano l'industria con macchinari per produzione e test, incluso il computer tester completamente automatizzato con il quale ha sviluppato il commutatore elettrico ad alta efficienza. MOSO Power Supply ha acquistato più di 100 brevetti nazionali in pochi anni.

Moso Power Supply Technology Co. is a national hand-new-tech/energy-saving enterprise supported by the National Twelfth Five-year Plan. It is also a professional power supply manufacturer with a far-ranging sphere of influence on a national level. Several years after its establishment in 2006, it managed to create a number of strategic partnerships with various fortune-500 companies worldwide. With technology and quality at the heart of the company, MOSO power Supply has also undertaken a number of industrial studies in collaboration with universities and colleges, in order to create the MOSO Power Supply Technology Research Institute. This Institute has been recognized for the reliability and safety of its laboratories, which have set an example for the industry through its production and testing machinery. Among the machines, is a completely automated computer tester that has been used to develop the world-leading highly-efficient switching power supply products of MOSO and LED intelligent drivers for a number of categories. MOSO Power Supply has been granted more than one hundred national patents in just a few years time.



LDP / LHP Series

BIS SAA CB CE CCC cULus

| LDP / LHP Series | |
|--|---|
| Complied with CCC/CE/CB/ENEC/SAA/BIS/UL safety regulations | |
| Application | Led street lighting, Industrial lighting |
| Electrical | Isolation: Class I |
| | Input volt range: 90-305 VAC |
| | Output current: from 350 to 8900mA |
| Features | Power: 42W, 60W, 75W, 105W, 120W, 150W, 200W, 240W, 320W. |
| | 5 Years warranty |
| | Active Power Factor Correction |
| | Rating IP67 |
| | Operated Temperature -40+60°C |
| | Short Circuit, Over Voltage, Over Current and Over Temperature Protection |
| | 3 in 1 Dimming (0-10V, PWM, Timing Control) |
| CC+CP Constant Current Constant Power, output current programmable | |
| Efficiency 93% | |



LCP Series

BIS SAA CB CE CCC cULus

| LCP Series | |
|--|---|
| Complied with CE/CB safety regulations | |
| Application | Led street lighting, Industrial lighting |
| Electrical | Isolation: Class II |
| | Input volt range: 90-305 VAC |
| | Output current: from 350 to 8900mA |
| Features | Power: 75W, 105W, 120W, 150W, 200W, 240W, 320W. |
| | 5 Years warranty |
| | Active Power Factor Correction |
| | Rating IP67 |
| | Operated Temperature -40+60°C |
| | Short Circuit, Over Voltage, Over Current and Over Temperature Protection |
| | 3 in 1 Dimming (0-10V, PWM, Timing Control and DALI) |
| CC+CP Constant Current Constant Power, output current programmable | |
| Efficiency 93% | |



LTP Series

BIS SAA CB CE CCC cULus

| LTP Series | |
|--|---|
| Complied with CCC/CE/UL safety regulations | |
| Application | Industrial lighting |
| Electrical | Isolation: Class I |
| | Input volt range: 90-305 VAC |
| | Output current: from 700 to 6770mA |
| Features | Power: 60W, 100W, 160W, 200W, 240W. |
| | 5 Years warranty |
| | Active Power Factor Correction |
| | Rating IP67 |
| | Operated Temperature -40+60°C |
| | Short Circuit, Over Voltage, Over Current and Over Temperature Protection |
| | 2 in 1 Dimming (0-10V, PWM, Timing Control and DALI) |
| CC+CP Constant Current Constant Power, output current Adjustable | |
| Efficiency 93% | |



LSV Series

BIS SAA CB CE CCC ENEC UL us

| LSV Series | |
|--|---|
| Complied with CCC/CE/UL safety regulations | |
| Application | Landscape Lighting |
| Electrical | Isolation: Class I SELV |
| | Input volt range: 90-305 VAC |
| | Output Voltage: 12, 24, 36, 48 Vdc |
| | Power: 35W, 50W, 75W, 100W, 150W, 200W, 320W. |
| Features | 5 Years warranty |
| | Active Power Factor Correction |
| | Rating IP67 |
| | Operated Temperature -40+60°C |
| | Short Circuit, Over Voltage, Over Current and Over Temperature Protection |
| | CV Constant Voltage |
| | Efficiency 92% |

Fondata a Ningbo in Cina nel 1993, Self Electronics iniziò come piccola ditta manifatturiera di sensori IR esterni. Nel 1996, sviluppò trasformatori elettronici per il mercato europeo guadagnandosi così una buona reputazione anche nel Vecchio Continente. In seguito Self sviluppa una linea di alimentatori elettrici. Nel 2000 arriva la prima linea di componenti e illuminazioni LED. Nel 2003 arriva l'apertura di un ufficio vendite a ShenZhen e nel 2008 una nuova struttura di circa 32000mq. Gli uffici vendite vengono trasferiti in Germania e negli USA nel 2009. La visione di Self è diventare un punto di riferimento nel campo internazionale per la produzione e sviluppo di illuminazioni a LED e alimentatori elettrici per LED.

Established in Ningbo, China in 1993, Self Electronics began as a small manufacturer of outdoor IR sensor lighting. In 1996, SELF developed electronic transformers for the European market, creating a reliable reputation for itself in the European market. SELF then went on to develop additional lines of electronic power supply. In 2000, SELF developed its first lines of LED drivers and LED lighting. In 2003, it opened up a sales office in Shenzhen, followed by the creation of a new 32,000 square meter facility in 2008. Last but not least, sales offices were established in Germany and the US in 2009. SELF's vision is to become a leading international developer and manufacturer of LED Lighting and LED power supply.



COMPACT CC

SELV CE CCC ENEC EAC

| COMPACT CC | | | | | | | |
|-----------------|------|-------------|------|--------|--------------------|----------------|-----------|
| Model.no | Type | Input | λ | Output | Output power range | Output voltage | LxWxH mm |
| SLT20-300IS-E | CC | AC 220-240V | 0.95 | 300mA | 7.5-13.2W | 25-44V | 106x67x22 |
| SLT20-350IS-E | CC | AC 220-240V | 0.95 | 350mA | 8.8-15.4W | 25-44V | 106x67x22 |
| SLT20-400IS-E | CC | AC 220-240V | 0.95 | 400mA | 10-17.6W | 25-44V | 106x67x22 |
| SLT20-450IS-E | CC | AC 220-240V | 0.95 | 450mA | 11.3-19.8W | 25-44V | 106x67x22 |
| SLT20-500IS-E | CC | AC 220-240V | 0.95 | 500mA | 12.5-22W | 25-44V | 106x67x22 |
| SLT30-550IS-E | CC | AC 220-240V | 0.95 | 550mA | 13.8-24.2W | 25-44V | 106x67x22 |
| SLT30-600IS-E | CC | AC 220-240V | 0.95 | 600mA | 15-26.4W | 25-44V | 106x67x22 |
| SLT30-650IS-E | CC | AC 220-240V | 0.95 | 650mA | 16.3-28.6W | 25-44V | 106x67x22 |
| SLT30-700IS-E | CC | AC 220-240V | 0.95 | 700mA | 17.5-30.8W | 25-44V | 106x67x22 |
| SLT40-800IS-E | CC | AC 220-240V | 0.95 | 800mA | 20-35.2W | 25-44V | 122x79x22 |
| SLT40-900IS-E | CC | AC 220-240V | 0.95 | 900mA | 22.5-39.6W | 25-44V | 122x79x22 |
| SLT40-1050IS-E | CC | AC 220-240V | 0.95 | 1050mA | 26.3-46.2W | 25-44V | 122x79x22 |
| SLT40-1400IS-E | CC | AC 220-240V | 0.95 | 1400mA | 21-40.6W | 25-44V | 122x79x22 |
| SLD20-350ISA-E | CC | AC 220-240V | 0.95 | 350mA | 2.1-15.4W | 6-44V | 106x67x22 |
| SLD20-400ISA-E | CC | AC 220-240V | 0.95 | 400mA | 2.4-17.6W | 6-44V | 106x67x22 |
| SLD20-450ISA-E | CC | AC 220-240V | 0.95 | 400mA | 2.7-19.8W | 6-44V | 106x67x22 |
| SLD20-500ISA-E | CC | AC 220-240V | 0.95 | 500mA | 3-22W | 6-44V | 106x67x22 |
| SLD30-550ISA-E | CC | AC 220-240V | 0.95 | 550mA | 3.3-24.2W | 6-44V | 106x67x22 |
| SLD30-600ISA-E | CC | AC 220-240V | 0.95 | 600mA | 3.6-26.4W | 6-44V | 106x67x22 |
| SLD30-650ISA-E | CC | AC 220-240V | 0.95 | 600mA | 3.9-28.6W | 6-44V | 106x67x22 |
| SLD30-700ISA-E | CC | AC 220-240V | 0.95 | 700mA | 3.9-28.6W | 6-44V | 106x67x22 |
| SLD40-800ISA-E | CC | AC 220-240V | 0.95 | 800mA | 4.8-35.2W | 6-44V | 122x79x22 |
| SLD40-900ISA-E | CC | AC 220-240V | 0.95 | 900mA | 5.4-39.6W | 6-44V | 122x79x22 |
| SLD40-1050ISA-E | CC | AC 220-240V | 0.95 | 1050mA | 6.3-46.2W | 6-44V | 122x79x22 |



TRIAC DIABLE CV CC



| TRIAC DIABLE CV CC | | | | | | | |
|--------------------|------|-------------|------|------------|--------------------|----------------|-----------|
| Model.no | Type | Input | λ | Output | Output power range | Output voltage | LxWxH mm |
| SLD75-12VL-E | CV | AC220-240V | 0.95 | 75W/12VDC | 12-75W | | 185x60x31 |
| SLD75-24VL-E | CV | AC220-240V | 0.95 | 75W/24VDC | 12-75W | | 185x60x31 |
| SLD12-400IL-E | CC | AC 220-240V | 0.95 | 12W/400mA | 2.5-5.6W | 7-14V | 100x40x20 |
| SLD12-450IL-E | CC | AC 220-240V | 0.95 | 12W/450mA | 3.2-6.3W | 7-14V | 100x40x20 |
| SLD12-500IL-E | CC | AC 220-240V | 0.95 | 12W/500mA | 3.5-7W | 7-14V | 100x40x20 |
| SLD12-600IL-E | CC | AC 220-240V | 0.95 | 12W/600mA | 4.2-8.4W | 7-14V | 100x40x20 |
| SLD12-700IL-E | CC | AC 220-240V | 0.95 | 12W/700mA | 4.9-9.8W | 7-14V | 100x40x20 |
| SLD12-800IL-E | CC | AC 220-240V | 0.95 | 12W/800mA | 5.6-11.2W | 7-14V | 100x40x20 |
| SLD12-900IL-E | CC | AC 220-240V | 0.95 | 12W/900mA | 6.3-12.6W | 7-14V | 100x40x20 |
| SLD20-400IL-E | CC | AC 220-240V | 0.95 | 20W/400mA | 6-12W | 15-30V | 121x45x20 |
| SLD20-450IL-E | CC | AC 220-240V | 0.95 | 20W/450mA | 6.8-13.5W | 15-30V | 121x45x20 |
| SLD20-500IL-E | CC | AC 220-240V | 0.95 | 20W/500mA | 7.5-15W | 15-30V | 121x45x20 |
| SLD20-550IL-E | CC | AC 220-240V | 0.95 | 20W/550mA | 8.3-16.5W | 15-30V | 121x45x20 |
| SLD20-600IL-E | CC | AC 220-240V | 0.95 | 20W/600mA | 9-18W | 15-30V | 121x45x20 |
| SLD20-650IL-E | CC | AC 220-240V | 0.95 | 20W/650mA | 9.8-19.5W | 15-30V | 121x45x20 |
| SLD20-700IL-E | CC | AC 220-240V | 0.95 | 20W/700mA | 10.5-21W | 15-30V | 121x45x20 |
| SLD40-400IL-E | CC | AC 220-240V | 0.95 | 40W/400mA | 10.8-21.6W | 27-54V | 165x40x30 |
| SLD40-450IL-E | CC | AC 220-240V | 0.95 | 40W/450mA | 12.2-24.3W | 27-54V | 165x40x30 |
| SLD40-500IL-E | CC | AC 220-240V | 0.95 | 40W/500mA | 13.5-27W | 27-54V | 165x40x30 |
| SLD40-550IL-E | CC | AC 220-240V | 0.95 | 40W/550mA | 14.9-29.7W | 27-54V | 165x40x30 |
| SLD40-600IL-E | CC | AC 220-240V | 0.95 | 20W/600mA | 16.2-32.4W | 27-54V | 165x40x30 |
| SLD40-650IL-E | CC | AC 220-240V | 0.95 | 40W/650mA | 17.6-35.1W | 27-54V | 165x40x30 |
| SLD40-700IL-E | CC | AC 220-240V | 0.95 | 40W/700mA | 18.9-37.8W | 27-54V | 165x40x30 |
| SLD40-800IL-E | CC | AC 220-240V | 0.95 | 40W/800mA | 12-24W | 15-30V | 165x40x30 |
| SLD40-1100IL-E | CC | AC 220-240V | 0.95 | 40W/1100mA | 16.5-33W | 15-30V | 165x40x30 |
| SLD40-1200IL-E | CC | AC 220-240V | 0.95 | 40W/1200mA | 18-36W | 15-30V | 165x40x30 |
| SLD40-1300IL-E | CC | AC 220-240V | 0.95 | 40W/1300mA | 19.5-39W | 15-30V | 165x40x30 |
| SLD40-1400IL-E | CC | AC 220-240V | 0.95 | 40W/1400mA | 21-42W | 15-30V | 165x40x30 |



EU VERSION CC&CV CC CV



| EU VERSION CC&CV CC CV | | | | | | | |
|------------------------|-------|-------------|-------|--------------|--------------------|----------------|-----------------------------------|
| Model.no | Type | Input | λ | Output | Output power range | Output voltage | LxWxH mm |
| SLT6-350IL | CC&CV | AC 220-240V | 0.55C | 350mA or 24V | 1-7.2W | 3-21V | 68x35x20 |
| SLT6-700IL | CC&CV | AC 220-240V | 0.55C | 700mA or 12V | 3-6W | 3-9V | 68x35x20 |
| SLT6-350ILs | CC&CV | AC 220-240V | 0.55C | 350mA or 24V | 2.6-7.2W | 7.5-21V | 68x35x20 |
| SLT6-700ILs | CC&CV | AC 220-240V | 0.55C | 700mA or 12V | 2.1-6.3W | 3-9V | 68x35x20 |
| SLT6-350IL-4 | CC&CV | AC 100-240V | 0.40C | 350mA or 24V | 2.6-7.4W | 7.5-21V | 68x35x20 (2-11/16"x1-3/8"x13/16") |
| SLT6-500IL-4 | CC&CV | AC 100-240V | 0.40C | 500mA | 3.5-7.5W | 7-15V | 68x35x20 (2-11/16"x1-3/8"x13/16") |
| SLT6-700IL-4 | CC&CV | AC 100-240V | 0.40C | 700mA or 12V | 2.1-6.3W | 3-9V | 68x35x20 (2-11/16"x1-3/8"x13/16") |
| SLT3-350IS-1 | CC | AC 220-240V | 0.50C | 3W/350mA | 1.4-3.2W | 4-9V | 50x30x20 |
| SLT3-700IS-1 | CC | AC 220-240V | 0.50C | 3W/700mA | 1.4-2.9W | 2-4.2V | 50x30x20 |
| SLT12-350IF-Es | CC | AC 220-240V | 0.70C | 12W/350mA | 7.4-15.1W | 21-43V | 121x45x16 |
| SLT12-500IF-Es | CC | AC 220-240V | 0.70C | 12W/500mA | 7.5-15W | 15-30V | 121x45x16 |
| SLT12-700IF-Es | CC | AC 220-240V | 0.70C | 12W/700mA | 7-15.4W | 10-22V | 121x45x16 |
| SLT30-600ILE-E | CC | AC 220-240V | 0.95 | 30W/600mA | 15-27.6W | 25-46V | 165x40x30 |
| SLT30-700ILE-E | CC | AC 220-240V | 0.95 | 30W/700mA | 17.5-29.4W | 25-42V | 165x40x30 |
| SLT40-800ILE-E | CC | AC 220-240V | 0.95 | 40W/800mA | 20-36.8W | 25-46V | 165x40x30 |
| SLT40-900ILE-E | CC | AC 220-240V | 0.95 | 40W/900mA | 22.5-39.6W | 25-44V | 165x40x30 |
| SLT40-1050ILE-E | CC | AC 220-240V | 0.95 | 40W/1050mA | 26.3-44.1W | 25-42V | 165x40x30 |
| SLT45-700IL-E | CC | AC 220-240V | 0.95 | 45W/700mA | 2 3.1-45.5W | 33-65V | 206x44x30 |
| SLT6-12VL | CV | AC 220-240V | 0.90C | 6W/12V | 0.5-6W | | 180x16x15 |
| SLT15-12VF-2s | CV | AC 220-240V | 0.70C | 15W/12V | 0-15W | | 121x45x16 |
| SLT15-24VF-2s | CV | AC 220-240V | 0.70C | 15W/24V | 0-15W | | 121x45x16 |
| SLT30-12VLG-Es | CV | AC 220-240V | 0.95 | 30W/12V | 0-30W | | 165x40x30 |
| SLT30-24VLG-Es | CV | AC 220-240V | 0.95 | 30W/24V | 0-30W | | 165x40x30 |
| SLT30-48VLG-Es | CV | AC 220-240V | 0.95 | 30W/48V | 0-30W | | 165x40x30 |
| SLT60-12VLG-E | CV | AC 220-240V | 0.95 | 60W/12V | 0-60W | | 188x45x30 |
| SLT60-24VLG-E | CV | AC 220-240V | 0.95 | 60W/24V | 0-60W | | 188x45x30 |
| SLT60-12VL-E | CV | AC 220-240V | 0.95 | 60W/12V | 0-60W | | 185x60x31 |
| SLT60-12VL-E(DC) | CV | AC 220-240V | 0.95 | 60W/12V | 0-60W | | 185x60x31 |
| SLT50-24VL-E | CV | AC 220-240V | 0.95 | 50W/24V | 0-50W | | 185x60x31 |
| SLT75-24VL-E | CV | AC 220-240V | 0.95 | 75W/24V | 0-75W | | 185x60x31 |
| SLT100-24VL-E | CV | AC 220-240V | 0.95 | 100W/24V | 0-100W | | 185x60x31 |
| SLT150-24VL-E | CV | AC 220-240V | 0.95 | 150W/24V | 0-150W | | 223x64x32 |



SUPER THIN CC CV



| SUPER THIN CC CV | | | | | | | |
|---------------------------|-------|-------------|--------------|-----------|--------------------|----------------|-----------|
| Model.no | Type | Input | λ | Output | Output power range | Output voltage | LxWxH mm |
| SLT6-350IFG | CC&CV | AC 220-240V | 0.55C | 6W/350mA | 1.1-7.4W | 3-21V | 118x40x10 |
| SLT20-350IFG / 350IFG(DC) | CC | AC 220-240V | 0.50C | 20W/350mA | 2.1-19.6W | 6-56V | 166x40x14 |
| SLT20-500IFG / 500IFG(DC) | CC | AC 220-240V | 0.50C | 20W/500mA | 3-20W | 6-40V | 166x40x14 |
| SLT20-700IFG / 700IFG(DC) | CC | AC 220-240V | 0.50C | 20W/700mA | 4.2-20.3W | 6-29V | 166x40x14 |
| SLT6-350IFG | CC&CV | AC 220-240V | 0.55C | 7.2W/24V | 0-7.2W | | 118x40x10 |
| SLT15-12VFG / 12VFG(DC) | CV | AC 220-240V | 0.50C | 15W/12V | 0-15W | | 138x40x12 |
| SLT15-24VFG / 24VFG (DC) | CV | AC 220-240V | AC 220-240V | 15W/12V | 0-15W | | 138x40x12 |
| SLT20-12VFG / 12VFG(DC) | CV | AC 220-240V | AC 220-240V | 20W/12V | 0-20W | | 166x40x14 |
| SLT20-24VFG / 24VFG (DC) | CV | AC 220-240V | AC 220-240V | 20W/12V | 0-20W | | 166x40x14 |
| SLT30-12VFG | CV | AC 220-240V | 0.95 | 30W/12V | 0-30W | | 246x30x16 |
| SLT30-24VFG | CV | AC 220-240V | 0.95 | 30W/24V | 0-30W | | 246x30x16 |
| SLD15-24VLS-E / 24VLS-E1 | CV | AC 220-240V | $\geq 0.80C$ | 4x24VDC | 0-15W | | 166x49x15 |
| SLD30-24VLS-E / 24VLS-E1 | CV | AC 220-240V | $\geq 0.90C$ | 6x24VDC | 0-30W | | 189x59x16 |
| SLD60-24VLS-E / 24VLS-E1 | CV | AC 220-240V | $\geq 0.90C$ | 8x24VDC | 0-60W | | 257x71x16 |



NA VERSION CV



| NA VERSION CV | | | | | | | |
|-------------------------------|------|-------------|-----------|---------|--------------------|----------------|------------------------------------|
| Model.no | Type | Input | λ | Output | Output power range | Output voltage | LxWxH mm |
| SLT6-12VL(UL) | CV | AC 100-120V | 0.90C | 6W/12V | 0.5-6W | | 180x16x15 (7-1/16"x5/8"x9/16") |
| SLT15-12VF(UL) | CV | AC 120V | 0.80C | 15W/12V | 1-15W | | 121x46x18 (4-3/4"x1-3/4"x11/16") |
| SLT15-24VF(UL) | CV | AC 120V | 0.80C | 15W/24V | 1-15W | | 121x46x18 (4-3/4"x1-3/4"x11/16") |
| SLT20-12VLG-US / 12VLG-US(DC) | CV | AC 100-120V | 0.80C | 20W/12V | 0-20W | | 145x50x22 (5-11/16"x2"x7/8") |
| SLT20-24VLG-US / 24VLG-US(DC) | CV | AC 100-120V | 0.80C | 20W/12V | 0-20W | | 145x50x22 (5-11/16"x2"x7/8") |
| SLT20-24VF(UL) / 24VF(UL)-DC | CV | AC 100-120V | 0.95 | 20W/24V | 0-20W | | 145x50x22 (5-11/16"x2"x7/8") |
| SLT30-12VL(UL) | CV | AC 120V | 0.50C | 30W/12V | 0-30W | | 151x41x31 (5-15/16"x1-5/8"x11/16") |
| SLT30-24VL(UL) | CV | AC 120V | 0.50C | 30W/24V | 0-30W | | 151x41x31 (5-15/16"x1-5/8"x11/16") |
| SLD36-12VL-US | CV | AC 120V | 0.95 | 36W/12V | 0-36W | | 188x45x29 (7-3/8"x1-3/4"x1-1/8") |
| SLD40-24VL-US | CV | AC 120V | 0.95 | 40W/24V | 0-40W | | 188x45x29 (7-3/8"x1-3/4"x1-1/8") |



LINEAR CC



| LINEAR CC | | | | | | | |
|----------------|------|-------------|-----------|------------|--------------------|----------------|-----------|
| Model.no | Type | Input | λ | Output | Output power range | Output voltage | LxWxH mm |
| SLT35-700IL-E | CC | AC 220-240V | 0.95 | 35W/500mA | 13.5-27W | 27-54V | 278x30x21 |
| | CC | AC 220-240V | 0.95 | 35W/600mA | 16.2-32.4W | 27-54V | 278x30x21 |
| | CC | AC 220-240V | 0.95 | 35W/650mA | 17.6-35.1W | 27-54V | 278x30x21 |
| | CC | AC 220-240V | 0.95 | 35W/700mA | 18.9-37.8W | 27-54V | 278x30x21 |
| SLT50-1050IL-E | CC | AC 220-240V | 0.95 | 50W/800mA | 21.6-43.2W | 27-54V | 278x30x21 |
| | CC | AC 220-240V | 0.95 | 50W/800mA | 24.3-48.6W | 27-54V | 278x30x21 |
| | CC | AC 220-240V | 0.95 | 50W/800mA | 25.7-51.3W | 27-54V | 278x30x21 |
| | CC | AC 220-240V | 0.95 | 50W/1050mA | 28.4-56.7W | 27-54V | 278x30x21 |
| SLT60-800IB-E | CC | AC 220-240V | 0.95 | 60W/800mA | 36-60V | 45-75V | 290x39x22 |
| SLT60-1000IB-E | CC | AC 220-240V | 0.95 | 60W/1000mA | 30-60V | 30-60V | 290x39x22 |
| SLT80-1500IL-E | CC | AC 220-240V | 0.95 | 80W/1200mA | 32.4-64.8W | 27-54V | 360x30x21 |
| | CC | AC 220-240V | 0.95 | 80W/1300mA | 35.1-70.2W | 27-54V | 360x30x21 |
| | CC | AC 220-240V | 0.95 | 80W/1400mA | 37.8-75.6W | 27-54V | 360x30x21 |
| | CC | AC 220-240V | 0.95 | 80W/1500mA | 40.5-81W | 27-54V | 360x30x21 |
| SLD35-700ILA-E | CC | AC 220-240V | 0.95 | 35W/350mA | 2.1-16.8W | 6-48V | 278x30x21 |
| | CC | AC 220-240V | 0.95 | 35W/500mA | 3-24W | 6-48V | 278x30x21 |
| | CC | AC 220-240V | 0.95 | 35W/550mA | 3.3-26.4W | 6-48V | 278x30x21 |
| | CC | AC 220-240V | 0.95 | 35W/700mA | 4.2-33.6W | 6-48V | 278x30x21 |



UNIVERSAL INPUT CC CV



| UNIVERSAL INPUT CC CV | | | | | | | |
|-------------------------------|------|-------------|-----------|------------|--------------------|----------------|---|
| Model.no | Type | Input | λ | Output | Output power range | Output voltage | LxWxH mm |
| SLT3-350ISC | CC | AC 100-240V | 0.45C | 3W/350mA | 1.1-4.2W | 3-12V | 52x30x23 (2-1/16"x1-9/16"x15/16") |
| SLT3-700ISC | CC | AC 100-240V | 0.45C | 3W/700mA | 2.1-3.2W | 3-4.5V | 52x30x23 (2-1/16"x1-9/16"x15/16") |
| SLT4-500ISC | CC | AC 100-240V | 0.45C | 4W/500mA | 2.1-3.2W | 1.5-4.75V | 52x30x23 (2-1/16"x1-9/16"x15/16") |
| SLT12-350IF-4 / 350IF-4(DC) | CC | AC 100-240V | 0.90C | 12W/350mA | 1.1-11.9W | 3-34V | 133x45x18 (5-5/16"x1-3/4"x11/16") |
| SLT12-500IF-4 / 500IF-4(DC) | CC | AC 100-240V | 0.90C | 12W/500mA | 1.5-12W | 3-24V | 133x45x18 (5-5/16"x1-3/4"x11/16") |
| SLT12-700IF-4 / 700IF-4(DC) | CC | AC 100-240V | 0.90C | 12W/700mA | 2.1-11.9W | 3-17V | 133x45x18 (5-5/16"x1-3/4"x11/16") |
| SLT20-350IF-1 / 350IF-1(DC) | CC | AC 100-240V | 0.95 | 20W/350mA | 2.1-9.5W | 6-56V | 145x50x22 (5-11/16"x2"x7/8") |
| SLT20-500IF-1 / 500IF-1(DC) | CC | AC 100-240V | 0.95 | 20W/500mA | 3-20W | 6-40V | 145x50x22 (5-11/16"x2"x7/8") |
| SLT20-700IF-1 / 700IF-1(DC) | CC | AC 100-240V | 0.95 | 20W/700mA | 4.2-20.3W | 6-29V | 145x50x22 (5-11/16"x2"x7/8") |
| SLT20-1050IF-1 / 1050IF-1(DC) | CC | AC 100-240V | 0.95 | 20W/1050mA | 5.3-20W | 5-19V | 145x50x22 (5-11/16"x2"x7/8") |
| SLT30-500IF-1 / 500IF-1(DC) | CC | AC 100-240V | 0.95 | 30W/500mA | 5-28W | 10-56V | 160x50x22 (6-5/16"x2"x7/8") |
| SLT30-700IF-1 / 700IF-1(DC) | CC | AC 100-240V | 0.95 | 30W/700mA | 7-30.1W | 10-43V | 160x50x22 (6-5/16"x2"x7/8") |
| SLT50-1050IL / 1050IL(DC) | CC | AC 100-240V | 0.95 | 50W/1050mA | 21-50.4W | 20-48V | 180x60x30 (7-1/16"x2-3/8"x1-3/16") |
| SLT50-1400IL / 1400IL(DC) | CC | AC 100-240V | 0.95 | 50W/1400mA | 19.6-51.8W | 14-37V | 180x60x30 (7-1/16"x2-3/8"x1-3/16") |
| SLT50-24VL-2 / 24VL-2(DC) | CV | AC 100-240V | 0.95 | 50W/24V | 0-50W | | 180x60x30 (7-1/16"x2-3/8"x1-3/16") |
| SLT60-12VL-1 | CV | AC 100-240V | 0.95 | 60W/12V | 0-60W | | 180x60x30 (7-1/16"x2-3/8"x1-3/16") |
| SLT75-24VL-2 / 24VL-2(DC) | CV | AC 100-240V | 0.95 | 75W/24V | 0-75W | | 180x60x30 (7-1/16"x2-3/8"x1-3/16") |
| SLT96-24VC-UN1 | CV | AC 120-277V | 0.95 | 96W/24V | 0-96W | | 241.5x40.5x29.5 (9-1/2"x1-9/16"x1-13/16") |
| SLD96-24VC-UN1 | CV | AC 120-277V | 0.95 | 96W/24V | 0-96W | | 241.5x40.5x29.5 (9-1/2"x1-9/16"x1-13/16") |



OUTDOOR CC CV



| OUTDOOR CC CV | | | | | | | |
|-----------------|-------|-------------|-----------|-----------|--------------------|----------------|-----------------------------------|
| Model.no | Type | Input | λ | Output | Output power range | Output voltage | LxWxH mm |
| SLT3-350ISC | CC | AC 100-240V | 0.45C | 3W/350mA | 1.1-4.2W | 3-12V | 52x30x23 (2-1/16"x1-9/16"x15/16") |
| SLT3-700ISC | CC | AC 100-240V | 0.45C | 3W/700mA | 2.1-3.2W | 3-4.5V | 52x30x23 (2-1/16"x1-9/16"x15/16") |
| SLT4-500ISC | CC | AC 100-240V | 0.45C | 4W/500mA | 2.1-3.2W | 1.5-4.75V | 52x30x23 (2-1/16"x1-9/16"x15/16") |
| SLT12-350IGC | CC | AC 220-240V | 0.50C | 12W/350mA | 1.1-12.6W | 3-36V | 120x45x16 |
| SLT12-700IGC | CC | AC 220-240V | 0.50C | 12W/700mA | 2.1-11.9W | 3-17V | 120x45x16 |
| SLT20-350IC-UN | CC | AC 100-277V | 0.90C | 20/350mA | 9.8-18.2W | 28-52V | 80x74x26 (3-1/8"x2-15/16"x1") |
| SLT20-500IC-UN | CC | AC 100-277V | 0.90C | 20/500mA | 10-20W | 20-40V | 80x74x26 (3-1/8"x2-15/16"x1") |
| SLT20-700IC-UN | CC | AC 100-277V | 0.90C | 20/700mA | 9.8-21.7W | 14-31V | 80x74x26 (3-1/8"x2-15/16"x1") |
| SLT20-1050IC-UN | CC | AC 100-277V | 0.90C | 20/1050mA | 10.5-20W | 10-19V | 80x74x26 (3-1/8"x2-15/16"x1") |
| SLT15-12VFC-1 | CV | AC 220-240V | 0.50C | 15W/12V | 1-15W | | 121x45x16 |
| SLT15-24VFC-1 | CV | AC 220-240V | 0.50C | 15W/24V | 1-15W | | 121x45x16 |
| SLT15-12VSC-US | CV | AC 100-120V | 0.85C | 15W/12V | 0-15W | | 91x41x24 (3-9/16"x1-5/8"x15/16") |
| SLT15-24VSC-US | CV | AC 100-120V | 0.85C | 15W/24V | 0-15W | | 91x41x24 (3-9/16"x1-5/8"x15/16") |
| SLT60-12VC-E | CV | AC 220-240V | 0.95 | 60W/12V | 0-60W | | 257x44x32 |
| SLT60-24VC-E | CV | AC 220-240V | 0.95 | 60W/24V | 0-60W | | 257x44x32 |
| SLT100-12VC-E | CV | AC 220-240V | 0.95 | 100W/12V | 0-100W | | 257x44x32 |
| SLT100-24VC-E | CV | AC 220-240V | 0.95 | 100W/24V | 0-100W | | 257x44x32 |
| SLT150-24VC-UN | CV | AC 220-240V | 0.95 | 150W/24V | 0-150W | | 252.2x68x39 |
| SLT150-36VC-UN | CV | AC 220-240V | 0.95 | 150W/36V | 0-150W | | 252.2x68x39 |
| SLT150-48VC-UN | CV | AC 220-240V | 0.95 | 150W/48V | 0-150W | | 252.2x68x39 |
| SLT200-12VC-E | CV | AC 220-240V | 0.95 | 200W/12V | 0-200W | | 252x68x39 |
| SLT200-24VC-E | CV | AC 220-240V | 0.95 | 200W/24V | 0-200W | | 252x68x39 |
| SLT200-48VC-E | CV/CC | AC 220-240V | 0.95 | 200W/48V | 0-200W | | 252x68x39 |

| SELF LED | | | | | | |
|---------------------------------------|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | SLT60-12VFG-UN | SLT60-24VFG-UN | SLT75-12VFG | SLT75-24VFG | SLT100-12VFG | SLT100-24VFG-UN |
| turn on time(S) | ≤0.5 | ≤0.5 | <0.5 | <0.5 | <0.5 | |
| output power(W) | 60 | 60 | 75 | 75 | 96 | |
| output voltage(V) | 12 | 24 | 12 | 24 | 12 | |
| output voltage tolerance ¹ | +5/-5% | +/-5% | +/-5% | +/-5% | +/-5% | |
| ripple voltage(mV) | 230(Vp-p) | 200(Vp-p) | 500(Vp-p) | 200(Vp-p) | 800(Vp-p) | |
| working current range(A) | 0-5 | 0-2.5 | 0-6.25A | 0-3.1A | 0-8.33A | |
| dimming interface | no | no | no | no | no | no |
| dimming range | n/a | n/a | n/a | n/a | n/a | n/a |
| rated supply voltage(Vac) | 120-240 | 120-240 | 220-240 | 220-240 | 220-240 | 120-240 |
| voltage range(Vac) | 108-264 | 108-264 | 198-264 | 198-264 | 198-264 | 108-264 |
| line frequency(Hz) | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| input current(mA) | 700 | 700 | 400 | 400 | 600 | 600@230V,800@120V |
| efficiency ² | 91.1% | 91.6% | 91.5% | 91.6% | 91.5% | 92.3% |
| average efficiency ³ | 89% | 89% | 90.66% | 90.18% | 89% | 90% |
| no load power consumption(W) | ≤0.3 | ≤0.3 | ≤0.3 | ≤0.3 | <0.3 | <0.3 |
| power factor ² | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| inrush current(lpK) | 46A/180us | 46A/180us | 46A/180us | 46A/180us | 35.8A/92.5uS | 35.8A/92.5uS |
| over voltage protection | YES | YES | YES | YES | YES | YES |
| short circuit protection | YES | YES | YES | YES | YES | YES |
| over temperature protection | YES | YES | YES | YES | YES | YES |
| automatic restart | YES | YES | YES | YES | YES | YES |
| over load protection | YES | YES | YES | YES | YES | YES |
| surge capacity | L-N:1kV | L-N:1kV | L-N:1kV | L-N:1kV | L-N:1kV | L-N:1kV |
| Ta(°C) | -20...45 | -20...45 | -20...45 | -20...45 | -20...45 | -20...45 |
| Tc max.(°C) | 90 | 90 | 90 | 90 | 90 | 90 |
| Storage Temperature(°C) | -30...80 | -30...80 | -30...80 | -30...80 | -30...80 | -30...80 |
| ambient humidity range | 5%...85% Not condensing | 5%...85% Not condensing | 5%...85% Not condensing | 5%...85% Not condensing | 5%...85% Not condensing | 5%...85% Not condensing |
| nominal life-time(hrs) | 50000@Tc=90°C | 50000@Tc=90°C | 50000@Tc=90°C | 50000@Tc=90°C | 50000@Tc:85 | 50000@Tc:90 |
| weight(g) | 162 | 162 | 162 | 162 | 216 | 216 |
| dimensions (LxWxH)(mm) | 298x29.8x16 | 298x29.8x16 | 298x29.8x16 | 298x29.8x16 | 298x29.8x16 | 298x29.8x16 |
| casing material | Plastic | Plastic | Plastic | Plastic | Plastic | Plastic |
| housing colour | Grey+Blue | Grey+Blue | Grey+Blue | Grey+Blue | Grey+Blue | Grey+Blue |
| type of protection | IP20 | IP20 | IP20 | IP20 | IP20 | IP20 |
| protection class | Class2 | Class2 | Class2 | Class2 | Class2 | Class2 |
| NOTE | 1. Tolerance: includes set up tolerance, line regulation and load regulation. 2. Tested at full load,230Vac. Refer to "Power Factor" and "EFFICIENT" curve graphs. 3. Calculate the model's average efficiency for each test voltage by testing at 100%, 75%, 50%, and 25% of rated current and then computing the simple arithmetic erage of these four values. 4. All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature. 5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again." | | | | | |

Pairui Group è una società specializzata nella progettazione e produzione di alimentatori. Del gruppo fanno parte produttori di alimentatori, trasformatori, induttori, etc. I principali benefici dell'integrazione sono la riduzione dei costi e la flessibilità. Grazie alla sua trentennale esperienza e alla sua struttura integrata, Pairui è in grado di offrire prodotti per l'alimentazione a prezzi molto competitivi ed è in grado di progettare prodotti unici adatti a soddisfare le richieste più esigenti.

Pairui Group is a vertically integrated company focused on designing and manufacturing of power supplies. The group has from power supply manufacturers, through upstream manufacturers of transformers, inductors, magnetic cores and plastic parts, all under the same ownership. Most important benefits from integration include cost reduction and flexibilities. As a result, Pairui is able to offer power supply products with very competitive price, and design unique products to fit the most demanding needs. For more than 30 years cultivated in this industry.



LX Series

CE

| LX SERIES | |
|--|---|
| APPLICATION | Indoor Lighting, Spot Light, Cabinet Light, Down Light, Panel Light, Recessed Light |
| INPUT | 90~264VAC / 180~264VAC |
| OUTPUT | 240, 350, 700, 1050mA (CC Mode) |
| POWER | 10W, 15W, 30W, 40W, 45W, 50W |
| Features | 3 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP20 |
| | Ambient Temperature: -25°C to +70°C |
| Short Circuit, Over Voltage and Over Current Protections | |



LZ Series



| LZ SERIES | |
|-------------|---|
| APPLICATION | Indoor Lighting, Spot Light, Cabinet Light, Down Light, Panel Light |
| INPUT | 90~264VAC / 180~264VAC |
| OUTPUT | 240, 350, 500, 700, 1050mA (CC Mode) |
| POWER | 8W, 12W, 18W, 25W, 40W |
| Features | 3 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP20 |
| | Ambient Temperature: -25°C to +50°C |
| | Short Circuit, Over Voltage and Over Current Protections |



LC Series



| LC SERIES | |
|-------------|--|
| APPLICATION | Indoor & Outdoor Lighting, Garden Light, Cabinet Light, Down Light |
| INPUT | 90~305VAC |
| OUTPUT | 350, 450, 700, 1050, 1280, 1400, 1660mA (CC Mode) |
| POWER | 20W, 30W, 40W |
| Features | 5 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP67 |
| | Ambient Temperature: -35°C to +70°C |
| | 0-10V Dimming |



LL Series



| LL SERIES | |
|---------------|--|
| APPLICATION | Indoor Lighting, Strip Light, Cabinet Light, Panel Light, Tri-Proof Light |
| INPUT | 90~305VAC |
| OUTPUT | 300, 350, 400, 450, 500, 550, 600, 700, 750, 800, 900, 950, 1000, 1200, 1300, 1400, 1500, 1550mA (CC Mode) |
| POWER | 20W, 40W, 60W |
| Features | 3 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP20 |
| | Ambient Temperature: -30°C to +50°C |
| | 3 in 1 Dimming (0-10V, PWM, Resistor) |
| No Flickering | |



LF Series



| LF SERIES | |
|-------------|--|
| APPLICATION | Indoor & Outdoor Lighting, Garden Light, Cabinet Light, Down Light |
| INPUT | 90~264VAC / 180~264VAC |
| OUTPUT | 350, 500, 700, 1050, 1400, 1750, 2100, 2800, 3150mA (CC Mode) 5, 12, 15, 24, 36, 48Vdc (CV Mode) |
| POWER | 35W, 60W, 100W, 150W |
| Features | 3~5 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP67 |
| | Ambient Temperature: -25°C to +70°C |
| | Short Circuit, Over Voltage and Over Current Protections |



LG/LGS Series



| LG/LGS SERIES | |
|--|---|
| APPLICATION | Outdoor Lighting, Street Light, Tunnel Light, High/Low Bay Light, Flood Light |
| INPUT | 90-305VAC |
| OUTPUT | 350, 450, 700, 1050, 1280, 1400, 1660, 1750, 2100, 2450, 2800, 3150, 3500, 4200, 4800mA (CC Mode) |
| POWER | 30W, 40W, 50W, 60W, 75W, 85W, 100W, 120W, 150W, 185W, 200W, 250W |
| Features | 5 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP67 |
| | Ambient Temperature: -35°C to +70°C |
| | Optional Dimming (0-10V, PWM) |
| Short Circuit, Over Voltage, Over Current and Over Temperature Protections | |



LGE Series



| LGE SERIES | |
|--------------------------------------|---|
| APPLICATION | Outdoor Lighting, Street Light, Tunnel Light, High/Low Bay Light, Flood Light |
| INPUT | 90-305VAC |
| OUTPUT | 300, 700, 1050, 1400, 2100, 2450, 2800, 3150, 3500, 4200, 5000, 5500, 6300, 8300mA (CC & CV Mode) |
| POWER | 60W, 75W, 80W, 100W, 120W, 150W, 200W, 250W |
| Features | 5 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP67 |
| | Ambient Temperature: -35°C to +70°C |
| | Optional Dimming (0-10V, PWM) |
| | Short Circuit, Over Voltage, Over Current and Over Temperature Protections |
| | 3 in 1 Dimming (0-10V, PWM, Resistor) |
| Adjustable Output Current (60%~100%) | |



LT Series



| LT SERIES | |
|---|--|
| APPLICATION | Indoor Lighting, Spot Light, Down Light, Panel Light, Recessed Light |
| INPUT | 198-264VAC / 180-264VAC |
| OUTPUT | 350, 500, 700, 1050mA (CC Mode) |
| POWER | 10W, 12W, 15W, 20W, 25W, 30W, 35W, 40W, 45W, 50W |
| Features | 3 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP20 |
| | Ambient Temperature -25+70°C |
| | Short Circuit and Over Temperature Protection |
| Low Ripple, High Power Density, High Conversion Effici. | |



LV Series



| LV SERIES | |
|-------------|--|
| APPLICATION | Indoor Lighting, Spot Light, Down Light, Panel Light, Recessed Light |
| INPUT | 100-240VAC / 200-240VAC |
| OUTPUT | From 200 to 1500mA (CC Mode) |
| POWER | 15W, 24W, 45W, 60W |
| Features | 3 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP20 |
| | Ambient Temperature -20+70°C |
| | Short Circuit and Over Temperature Protection |
| | Low Ripple, High Power Density, High Conversion |



LGC Series



| LGC SERIES | |
|--|---|
| APPLICATION | Outdoor Lighting, Street Light, Tunnel Light, High/Low Bay Light, Flood Light |
| INPUT | 90-305VAC |
| OUTPUT | 350. 450. 700. 1050. 1400. 1750. 2100. 2800. 3150. 4200mA (CC Mode) |
| POWER | 100W. 150W. |
| Features | 5 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP67 |
| | Ambient Temperature -35+70°C |
| | Optional Dimming 0-10 |
| | PWM |
| Short Circuit, Over Voltage and Over Temperature Protections | |



LGH Series



| LGH SERIES | |
|--|---|
| APPLICATION | Outdoor Lighting, Street Light, Tunnel Light, High/Low Bay Light, Flood Light |
| INPUT | 90-305VAC |
| OUTPUT | From 36 to 274VDC / 240 - 8300mA (CV . CC Mode) NFC Programmable |
| POWER | 40W. 60W. 75W. 96W. 160W. 200W |
| Features | 5 Year Warranty |
| | Active Power Factor Correction |
| | Rating IP67 |
| | Ambient Temperature -35+70°C |
| | Optional Dimming 0-10 |
| | PWM |
| | Timer |
| Short Circuit, Over Voltage, Over Current and Over Temperature Protections | |

Harvard Technology è leader mondiale nella progettazione, sviluppo e produzione di reattori elettronici HID, driver LED e prodotti di controllo per l'industria dell'illuminazione. Harvard fornisce alcuni dei prodotti più innovativi ed efficienti per applicazioni di illuminazione commerciale, al dettaglio, di emergenza e di strada. Basandosi su oltre 20 anni di esperienza e competenza nel settore dell'illuminazione Harvard impiega alcuni dei progettisti più esperti e con esperienza nel settore dell'illuminazione. Harvard è anche specializzata nello sviluppo di prodotti su misura per soddisfare le esigenze dei singoli clienti.

Harvard Technology is a world leader in the design, development and manufacturing of electronic HID ballasts, LED drivers, and control products for the lighting industry. Harvard supplies some of the most innovative and effective products for commercial, retail, emergency, and street lighting applications.

Building upon its 20 plus years of experience and expertise in the lighting industry, Harvard employs some of the most knowledgeable and experienced design engineers in the lighting industry. Harvard is also specialized in developing bespoke products to suit individual customer requirements.

10 W



CL LOW POWER



CLK10 & PHASE

20 W



CL AN LOW VOLTAGE



CL DALI LOW VOLTAGE



CLK15-20 & PHASE

33 W



CL HIGH VOLTAGE



CL33 EYENUT



CLK UNI AN SOFT PROG



CLK28 ANALOGUE



CLK28 UNI SWITCH



CLP TWIN ANALOGUE



CLP TWIN LEAFNUT



CLQ TWIN SWITCHABLE



CLV PSU

40 W



CL40 FAN



CLS40



CLX40



CLZ40 EYENUT

50 W



CL50 & DUALDIM



CLP TWIN



CLR50 DUALDIM



CLS50



CLX50



CLZ50 EYENUT

66 W



CLP88V



CLQ SINGLE & 1050

80 W



CLS80 & 90

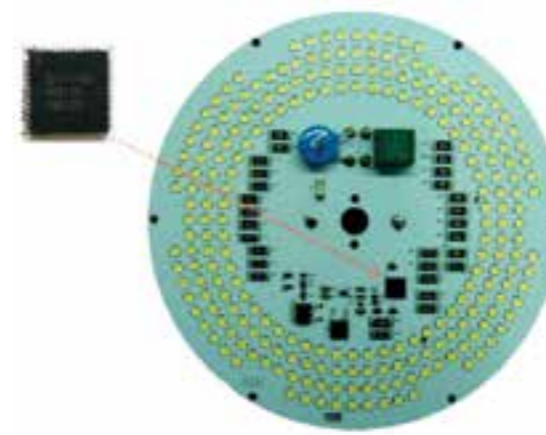
200 W



CLH150 & 200

TM Technology Inc. è stata fondata nel luglio 1994 al Parco della Scienza di Hsinchu, a Taiwan. Il 1° ottobre 2007 si è fusa con iCreate Technologies Corporation. TM Tech è un produttore di circuiti integrati leggendario, dotato di professionisti di alto calibro.

TM Technology Inc. was founded in July 1994 in Hsinchu Science Park, Taiwan. On October 1, 2007 it merged with iCreate Technologies Corporation. Tm tech is a fabless IC company supported by professionals of the highest caliber.



| DC-DC Step Down Converters |
|--|
| T6322 / T6333 / T8322 / T8308 |
| Wide Input Voltage Range: 7V to 30V (42V to T6333) |
| LED Output Current Up To 1A (1,5A To T8322) |
| Single pin on/off and brightness control using DC voltage or PWM |
| High efficiency (up to 97%) |
| Package: SOP-8, SOT-23, SOT-89 |
| Applications: LED/Display Back Light Driver |

| DC-DC Step Down Converters |
|--|
| T8302CD |
| Wide Input Voltage Range: 6V to 60V |
| LED Output Current Up to 1A |
| Single pin on/off and brightness control using DC voltage or PWM |
| SOT-89 and SOP-8 Lead-free Package |
| Application: MR-16, Light Bar, Street Light |

| DC-DC Step Down Converters |
|--|
| T8300 / T8309 |
| Wide Input Voltage Range: 4,5V to 30V, for IP Camera/CCTV |
| LED Output Current Up to 1,2A LED Driver with Buck Regulator (1,5A to T8309) |
| "CCTV IR LED Drive add CDS control Built-sensitive switch hysteresis control function" |
| Package: SOP-8 |
| Application: LED/Display, CCTV IR LED Drive, Handheld Electronics |

| Boost or SEPIC DC-DC Controller |
|---|
| T6331A |
| Buck & Boost DC-DC Converter |
| Wide Input Voltage Range: 2,7V to 5,5V |
| Support Analog & Digital Dimming Function |
| Build in over voltage protect |
| Package: SOP-8, SOT-23 |
| Application: MR-16, Light Bar, Architecture Light |

| 16 Channel LED driver |
|--|
| T6505 |
| 16 constant current output channels: 3-45 mA; VDD=3,3V and 3-60 mA; VDD=5V |
| High output current accuracy: $\pm 3\%$ between channels and $\pm 6\%$ between ICs |
| Fast response of output current: min 200ns. |
| 3.0V - 5.0V Supply voltage |
| Application: LED display drivers, Portable communication devices, Handheld electronics |

| AC-DC Converters |
|---|
| T8616AI / T8616AN |
| High PF, High Voltage Constant-Current, 60W, 100W |
| Package: TSSOP-28 / QFN48 7X7 |
| Status: Sample |
| Mode: Linear |
| Application: Solid State Lighting, Bulbs, Tubes, Street Light, Down Light, Spot Light |

| DC-DC Step Down Converters |
|---|
| T8305 / T8306 |
| Wide Input Voltage: 7V to 18V (36V To T8306) |
| LED Output Current Up to 3A |
| With External Power MOSFET |
| Single pin on/off and brightness control |
| "Single pin on/off and brightness control using DC voltage or PWM for BX" |
| Package: SOT-23 |
| Application: CCTV IR LED Driver, Lightings |



| Low Dropout Constant Current |
|---|
| T6340 / T8341 |
| Low-Dropout, Constant-Current white LED with Dimming Control and Low Voltage Detect |
| Up to 700 mA LED Bias Current (1A to T8341) |
| Package: SOP-8, TO-252 (only T6340A) |
| Application: Bike Lamp, Flash Light |

Le principali attività del Gruppo Silicon Touch Technology Inc. sono la ricerca, lo sviluppo, la produzione e la vendita di chip di azionamento di ventole elettroniche motorizzate senza spazzole, chip per il controllo di macchine fotografiche digitali, chip per la gestione di computer secondari, chip per circuiti misti analogico-digitali e circuiti integrati per il pilotaggio Led.

The Silicon Touch Technology Inc. Group is specialized in the research, development, manufacturing, and sales of electronic fan motor drive chips without brushes, digital camera control chips, subordinate computer manage chips, mix-digital chips, and analog chips.



DD313

DD313-4

40V Adjustable Current Sink Linear LED Driver

The DD313-4 IC is an economical, versatile, and robust device designed to provide cost-effective solution for regulating constant current in applications such as LED lighting over a 4.5 V to 40 V wide range of supply voltage which allows for single supply voltage operation from industry standard 5V, 12 V, 18 V, 24 V, 36 V power rails. The device is designed to operate as a constant current source.

General Features

Wide operating voltage range with self-bias power supply (4.5 V to 40 V)

Constant current regulator

Low reference voltage (VSENSE = 0.65V)

Integrated MOSFET with on resistance less than 2.9 Ω

Output current: 2mA ~ 150 mA

Channel current deviation among devices: $\pm 3\%$

PWM dimming up to 1 MHz (invisible flickering)

Voltage surge (40 V) suppressing for LED protection

Low temperature drift: $\pm 5\%$ over -40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$

High power supply rejection ratio: -64 dB (A/V)

Applications

General Illumination, Channel Lettering, Decorative Lighting, Pool Lighting, Landscaping Lighting, Instrument and Industrial Instrumentation, White Goods, Offline LED Luminaries

Package

SOT26 thermal robust package

DD312

High constant current LED driver with error detection

DD312 is a high constant current driver designed for LED lighting application and power LEDs. It incorporates a constant current circuitry with current value set by an external resistor. The output enable terminal allows dimming control by system. The fast response of output current can adapt to high dimming resolution and high refresh rate applications. Built-in LED open detection, over temperature and over current protection functions ensure the system reliability.

General Features

Maximum output current: 1A (determined by external resistor)

Minimum output voltage: 1V (Iout= 1A)

Maximum output voltage: 18V

Output enable terminal: 1MHz (max)

Supply voltage: 5V to 18V

Over current protection

Thermal shutdown

Thermal alarm (SOP8 only)

LED open detection (SOP8 only)

Applications

LED architectural or entertainment lighting, LED backlighting applications

Package

TO-252, SOP8 (with thermal pad), MSOP8, SOP8

DD313

3-channel High constant current LED driver with error detection

DD313 is a high constant current driver designed for power LED applications. It incorporates three-channel constant current circuitry with current value set by three external resistors. The three enable pins are specifically designed for independent control over each of the three output terminals. The fast response of the output current can adapt to high dimming resolution and high refresh rate applications. Built-in LED open detection, over temperature and over current protection functions ensure the system reliability.

General Features

Three channels with independent dimming control and current adjustment

Maximum output current: 500mA (determined by external resistor)

Minimum output voltage: 1V (Iout= 500mA)

Maximum output voltage: 18V

Supply voltage: 5V to 18V

Over current protection

LED open detection

Thermal alarm (junction temp. > 110 $^{\circ}\text{C}$)

Thermal shutdown (junction temp. > 180 $^{\circ}\text{C}$)

Applications

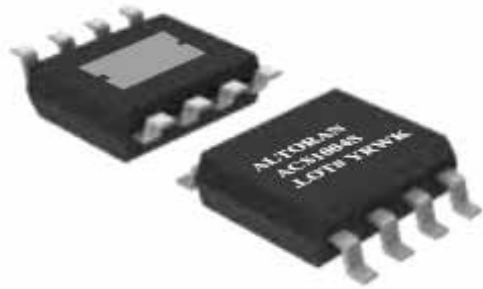
LED architectural or entertainment lighting, LED backlighting applications

Package

SOP16 (with exposed pad), TSSOP16 (with exposed pad)

Altoran Chip & Systems Inc. è stata fondata nel 2010 come azienda per la commercializzazione di semiconduttori per lo sviluppo di soluzioni semplici, affidabili e competitive nel mercato del LED lighting. Altoran ha sede a Santa Clara in California, nel centro della Silicon Valley. La soddisfazione del cliente è alla base della filosofia di lavoro dell'azienda che assolve alla sua mission grazie a un'offerta di prodotti di alta qualità, e un supporto alla clientela tempestivo e altamente professionale.

Altoran Chip & Systems Inc. was founded in 2010 as a fabless semiconductor company dedicated to the development of highly reliable, simple, and cost effective solutions for LED lighting. Altoran is based in Santa Clara, California, in the heart of the Silicon Valley, and strives to satisfy its customers by delivering quality products and offering reliable customer support.



ACS 1004

| ACS1004 | |
|---|--|
| FEATURES | BENEFITS |
| Highest level of intelligence and integration | Lowest cost, highest performance, smallest footprint, AC mains-to-light solution available Increased reliability – no electrolytic caps or transformers Increased functionality (dimming and smart controls) |
| Wide input voltage range (90-280VAC) | One IC to address U.S. and all international line voltages: US 115/277VAC, International 230VAC |
| Efficiency up to 97% | Increased system efficacy/Lower cost of light |
| Non-isolated design | Direct drive from AC mains – no transformer Smaller, lower cost, higher performance |
| Distortion-less AC operation | Near unity PF, Extremely low THD No need for PFC or THD reducing components No need for EMI filtering |
| Superior dim ability and dimmer compatibility (Supports Smart Lighting System Controls) | Works with Triac and 0-10V dimmers Smooth monotonic dimming from 100% to 0% |
| Optional Valley-Fill configuration | Reduced flicker illumination |
| Over Current / Over Temperature Protection | Protects SSL system from catastrophic damage |

| Parameter | Unit | Value |
|--------------|---------|--------------------------|
| AC Mains | VAC RMS | 90 - 280 |
| IF (max) | mA | 75 |
| Power, max * | W | 9 @ 120VAC / 17 @ 220VAC |
| Efficiency | % | 97 |
| PFC | | 0.99 |
| THD | % | < 15 |
| TJ (max) | C | 150 |

* IC's can be linked to enable higher power designs



ACS 1404

| ACS1404 | |
|---|--|
| FEATURES | BENEFITS |
| Highest level of intelligence and integration | Lowest cost, highest performance, smallest footprint, AC mains-to-light solution available Increased reliability – no electrolytic caps or transformers Increased functionality (dimming and smart controls) |
| Wide input voltage range (90-280VAC) | One IC to address U.S. and all international line voltages: US 115/277VAC, International 230VAC |
| Efficiency up to 97% | Increased system efficacy/Lower cost of light |
| Non-isolated design | Direct drive from AC mains – no transformer Smaller, lower cost, higher performance |
| Distortion-less AC operation | Near unity PF, Extremely low THD No need for PFC or THD reducing components No need for EMI filtering |
| Superior dim ability and dimmer compatibility (Supports Smart Lighting System Controls) | Works with Triac and 0-10V dimmers Supports analog or digital PWM dimming Smooth monotonic dimming from 100% to 0% |
| Optional Valley-Fill configuration | Reduced flicker illumination |
| Over Current / Over Temperature Protection | Protects SSL system from catastrophic damage |

| Parameter | Unit | Value |
|--------------|---------|---------------------------|
| AC Mains | VAC RMS | 90 - 280 |
| IF (max) | mA | 150 |
| Power, max * | W | 18 @ 120VAC / 33 @ 220VAC |
| Efficiency | % | 97 |
| PFC | | 0.99 |
| THD | % | < 15 |
| TJ (max) | C | 150 |

* IC's can be linked to enable higher power designs

DashingTek Inc. è una casa specializzata nella progettazione di circuiti integrati per il controllo dei LED per le applicazioni Lighting. Con un team RD ampiamente sperimentato impegnato nella ricerca, nell'innovazione e nel miglioramento continuo, DTI ha ottenuto molti brevetti anche a livello internazionale. L'azienda offre consulenza tecnica di alto livello e soluzioni su misura per le applicazioni dei clienti. Un team di supporto tecnico eccezionalmente competente è dedicato a servire con efficacia e rapidità la clientela.

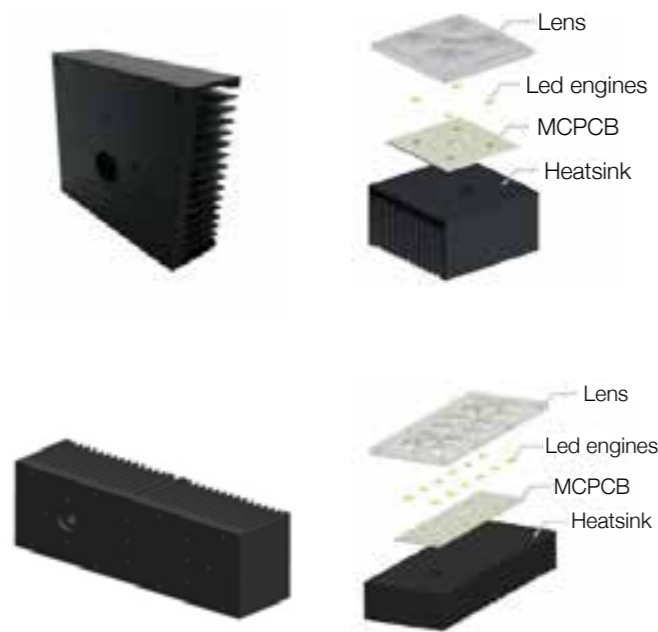
DashingTek Inc. is a design house specialized in LED Lighting IC design. It is dedicated to designing, testing, and marketing LED driver ICs. With a highly experienced RD team committed to continuous innovation and improvement, DTI has been granted many patents internationally and domestically and offers superior technical consulting, total solution, and customized design for its customers' applications. An exceptionally knowledgeable technical support team is dedicated to serving customers with effective and direct communication and quick answers.



| LED LIGHTING SOLUTION | | | | | |
|-----------------------|------------------------|-------------------|-----------------------|--|-------------------------|
| Part No. | InputVoltage Range (V) | OutputVoltage (V) | Output Current (mA) | Description | Package |
| DS6600 | AC110 | 90 (VBD) | 15/20/25/30/35 | Adaptive Conduction Linear Driver | SOP-8,TO252-3,TO252-5a |
| DS6601 | AC110 | 70 (VBD) | 60 | | TO252-3 |
| DS6602 | AC220 | 500 (VBD) | 20/25/30 | | SOP-8 |
| DS6621 | AC110 / AC220 | 600 (VBD) | 20/25/30/35/40/45/50 | | SOP-8 |
| DS6622 | AC110 / AC220 | 600 (VBD) | Adjustable: 15 to 50 | | SOP-8 |
| DS6624 | AC110 / AC220 | 600 (VBD) | Adjustable: 50 to 100 | | SOP-8 |
| DS6625 | AC110 / AC220 | 600 (VBD) | Adjustable: 50 to 100 | | SOP-8 |
| DS6603 | AC110 | 70 (VBD) | 20/30/35 | Constant Current Regulator | TO252-3 |
| DS6604 | AC110 | 70 (VBD) | 60 | | TO252-3 |
| DS6605 | AC220 | 500 (VBD) | 20/30 | | TO252-5 |
| DS6607 | AC110 / AC220 | 600 (VBD) | Adjustable: 15 to 50 | | SOP-8 |
| DS6609 | AC110 / AC220 | 600 (VBD) | Adjustable: 50 to 100 | | SOP-8 |
| DS6610 | AC110 / AC220 | 450 (VBD) | Adjustable: 15 to 60 | | SOP-8 |
| DS6611 | AC110 / AC220 | 450 (VBD) | Adjustable: 15 to 60 | | SOP-8 |
| DS6613 | AC110 / AC220 | 450 (VBD) | Adjustable: 60 to 100 | SOP-8 | |
| DS6614 | AC110 / AC220 | 600 (VBD) | Adjustable: up to 200 | SOP-8 | |
| DS6615 | AC110 / AC220 | 600 (VBD) | Adjustable: up to 300 | SOP-8 | |
| DS6631 | AC110 / AC220 | 600 (VBD) | 20/25/30/35/40/45/50 | TRIAC Dimmable Adaptive Conduction Linear Driver | SOP-8 |
| DS6632 | AC110 / AC220 | 600 (VBD) | Adjustable: 15 to 50 | | SOP-16,TSSOP-16 |
| DS6634 | AC110 / AC220 | 600 (VBD) | Adjustable: 50 to 100 | | SOP-16,TSSOP-16 |
| DS6636 | AC110 / AC220 | 600 (VBD) | Adjustable: 20 to 70 | | TSSOP-16 |
| DS6638 | AC110 / AC220 | 600 (VBD) | Adjustable: 60 to 150 | TSSOP-16 | |
| DS6608 | AC110 / AC220 | 600 (VBD) | Adjustable: 50 to 100 | TRIAC Dimmable Constant Current Regulator | SOP-8 |
| DS6692 | AC110 / AC220 | 600 (VBD) | Adjustable: 30 to 60 | | SOP-8 |
| DS6694 | AC110 / AC220 | 600 (VBD) | Adjustable: 60 to 120 | SOP-8 | |
| DS6682 | AC110 / AC220 | 600 (VBD) | Adjustable: 20 to 70 | Flicker Free Adaptive Conduction Linear Driver | TSSOP-16 |
| DS6684 | AC110 / AC220 | 600 (VBD) | Adjustable: 60 to 150 | | TSSOP-16 |
| DS2516 | 7.0-36 | 0.3VIN ~ 0.7VIN | 1200 | Buck Converter for High Brightness led | SOP-8, SOT23-5, SOT23-6 |
| DS2517 | 7.0-36 | 0.3VIN ~ 0.7VIN | 1200 | | SOP-8, SOT23-6 |

Mingfa Tech è designer e produttore di dissipatori per soluzioni LED. Da molti anni lavora con molti dei famosi OEM di illuminazione a LED in tutto il mondo fornendo supporto per l'analisi termica, il calcolo del dissipatore, la prototipazione e la produzione di massa.

Mingfa Tech is a LED heat sink designer and manufacturer. It has also worked with many famous LED lighting OEMs around the world for years, while assisting customers in led thermal analysis and management, heat sink calculations, prototyping and mass production for LED coolers.



TLED

| TLED | | | | | | | |
|------------|---------------|---|---------------|-------------|------------------|---|--|
| P.number | Thermal Res | Applications | Lumen from/to | Dimensions | Standard height* | Technology | Note: |
| tLED-9290 | Rth 0,34 °C/W | Flood light, street light and high bay design | 7000 / 16000 | L92-W90 mm | 30 / 50 mm | Extruded from highly conductive aluminium | Compatible with Ledil IP Lens STRADA 2x2MX Nichia SMD Chips Welt module WMD-2x2 with Nichia 144. Compatible with waterproof level design from IP65 to IP67 |
| tLED-19070 | Rth 0,25 °C/W | Flood light, street light and high bay design | 12000 / 22000 | L190-W70 mm | 30 / 50 mm | Extruded from highly conductive aluminium | Compatible with Ledil IP Lens HB-IP-2x6 Nichia SMD Chips Welt module WMD-IP2x6 available in both Nichia 219C and E21A version. Compatible with waterproof level design from IP65 to IP67 |

*Other heights on request



XLED

| XLED | | | | | | |
|--|--------------------|-----------------------|---------------|----------|------------------|--|
| P.number | Thermal Res | Applications | Lumen from/to | Diameter | Standard height* | Technology |
| xLED-45 | Rth 3,2 ~ 6,05°C/W | spotlight / downlight | 400 / 1900 | 45 mm | 30 / 50 / 68 mm | Forged from highly conductive aluminum |
| Nichia: NTCWS024B, NTCLS024B, NFCWL036B, NFCLL036B Lextar: PB06H90-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0 | | | | | | |
| xLED-60 | Rth 3,3 ~ 4,5°C/W | spotlight / downlight | 400 / 2000 | 60 mm | 30 / 50 mm | Forged from highly conductive aluminum |
| Nichia: NTCWS024B, NTCLS024B, NFCWL036B, NFCLL036B Lextar: PB06H90-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0 | | | | | | |
| xLED-70 | Rth 2,5 ~ 3,5°C/W | spotlight / downlight | 500 / 2700 | 70 mm | 30 / 50 / 60 mm | Forged from highly conductive aluminum |
| Nichia: NTCWS024B, NTCLS024B, NFCWL036B, NFCLL036B Lextar: PB06H90-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0, PB16H01-V0, PB16U02-V0, PB19H01-V0, PB19U02-V0 | | | | | | |
| xLED-80 | Rth 2,1 ~ 2,7°C/W | spotlight / downlight | 700 / 3100 | 80 mm | 30 / 50 mm | Forged from highly conductive aluminum |
| Nichia: NTCWS024B, NTCLS024B, NFCWL036B, NFCLL036B Lextar: PB06H90-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0, PB16H01-V0, PB16U02-V0, PB19H01-V0, PB19U02-V0, PB26H01-V0, PB26U02-V0 | | | | | | |

*Other heights on request



ELED

| ELED | | | | | | |
|--|--------------------|-----------------------|---------------|----------|------------------|--|
| P.number | Thermal Res | Applications | Lumen from/to | Diameter | Standard height* | Technology |
| eLED-46 | Rth 3,2 ~ 5,85°C/W | spotlight / downlight | 200 / 2000 | 46 mm | 20 / 50 / 80 mm | Extruded from highly conductive aluminum |
| Nichia: NTCWS024B, NTCLS024B, NFCWL036B, NFCLL036B Lextar: PB06H90-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0 | | | | | | |
| eLED-70 | Rth 1,8 ~ 2,2°C/W | spotlight / downlight | 400 / 3000 | 70 mm | 20 / 50 / 80 mm | Extruded from highly conductive aluminum |
| Nichia: NTCWS024B, NTCLS024B, NFCWL036B, NFCLL036B Lextar: PB06H90-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0, PB16H01-V0, PB16U02-V0, PB19H01-V0, PB19U02-V0, PB26H01-V0, PB26U02-V0 | | | | | | |
| eLED-95 | Rth 0,92 ~ 1,8°C/W | spotlight / downlight | 800 / 5000 | 95 mm | 20 / 50 / 80 mm | Extruded from highly conductive aluminum |
| Nichia: NTCWS024B, NTCLS024B, NFCWL036B, NFCLL036B Lextar: PB06H90-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0, PB16H01-V0, PB16U02-V0, PB19H01-V0, PB19U02-V0, PB26H01-V0, PB26U02-V0 | | | | | | |

*Other heights on request



BuLED

| BuLED coolers | | | | | | |
|---|---------------|-----------------------|---------------|----------|------------------|--|
| P.number | Thermal Res | Applications | Lumen from/to | Diameter | Standard height* | Technology |
| BuLED-30E/50E | 3.70-4.20°C/W | spotlight / downlight | 400 / 1200 | 48 mm | 30 / 50 mm* | Extruded from highly conductive aluminum |
| Nichia: NTCWS024B, NTCWL036B, NJCWS024Z Lextar: PB06H09-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0 | | | | | | |
| BuLED-30F/50F/68F | 3.70-4.20°C/W | spotlight / downlight | 500 / 1800 | 48 mm | 30 / 50 / 68 mm | Extruded from highly conductive aluminum |
| Nichia: NTCWS024B, NTCWL036B, NJCWS024Z Lextar: PB06H09-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0 | | | | | | |
| BuLED-30Fx/50Fx/68Fx | 3.80-6.40°C/W | spotlight / downlight | 500 / 1200 | 48 mm | 0 / 50 / 68 mm | Forged from highly conductive aluminum |
| Nichia: NTCWS024B, NTCWL036B, NJCWS024Z Lextar: PB06H09-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0 | | | | | | |
| *Other heights on request | | | | | | |



SimpoLED

| SimpoLED coolers | | | | | | |
|---|----------------------|-----------------------|---------------|----------|--------------------|--|
| P.number | Thermal Res | Applications | Lumen from/to | Diameter | Standard height* | Technology |
| SimpoLED-58 | Rth 2.9 ~ 3.7° C/W | spotlight / downlight | 400 / 1800 | 58 mm | 50 / 70 mm* | Extruded from highly conductive aluminum |
| Lextar: PB06H09-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0, PB16H01-V0, PB16U02-V0, PB19H01-V0, PB19U02-V0, PB26H01-V0, PB26U02-V0 | | | | | | |
| SimpoLED-81 | Rth 1.6 ~ 1.9° C/W | spotlight / downlight | 900 / 3700 | 81 mm | 50 / 80 mm* | Extruded from highly conductive aluminum |
| Lextar: PB06H09-V0, PB06U10-V0, PB09H01-V0, PB09U02-V0, PB13H01-V0, PB13U02-V0, PB16H01-V0, PB16U02-V0, PB19H01-V0, PB19U02-V0, PB26H01-V0, PB26U02-V0 | | | | | | |
| SimpoLED-135 | Rth 0.71 ~ 0.83° C/W | spotlight / downlight | 2100 / 8000 | 135 mm | 50 / 80 / 100 mm* | Extruded from highly conductive aluminum |
| Lextar: PB16H01-V0, PB16U02-V0, PB19H01-V0, PB19U02-V0, PB26H01-V0, PB26U02-V0, PB38H01-V0, PB38U02-V0 | | | | | | |
| SimpoLED-160 | Rth 0.50 ~ 0.70° C/W | spotlight / downlight | 3600 / 12000 | 160 mm | 50 / 100 / 150 mm* | Extruded from highly conductive aluminum |
| Lextar: PB16H01-V0, PB16U02-V0, PB19H01-V0, PB19U02-V0, PB26H01-V0, PB26U02-V0, PB38H01-V0, PB38U02-V0 | | | | | | |
| *Other heights on request | | | | | | |

Nata nel 1960, Bergquist (acquisita nel 2016 da Henkel), è leader mondiale nella produzione di interfacce termiche e substrati metallici isolati atti a risolvere i problemi di conduzione del calore su schede o assemblaggi elettronici. I prodotti Bergquist hanno una vasta gamma di applicazioni nei settori Automotive, Computer, Power Supply, e controlli motore. Oggi, Bergquist rifornisce il mondo con alcuni dei marchi più noti del settore: Sil-Pad, Gap Pad, Hi-Flow, Bond-Ply e Thermal Clad.

Founded in 1960, innovation, performance and customer satisfaction are Bergquist's guiding principles. In 2016 the company was acquired by Henkel. Today Bergquist supplies the world with some of the best-known brands in the business: Sil-Pad thermally conductive interface materials, Gap Pad electrically insulating and non-insulating gap fillers, Hi-Flow phase change grease replacement materials, Bond-Ply thermally conductive adhesive tapes, and Thermal Clad insulated metal substrates.



BOND-PLY 800

| BOND-PLY 800 |
|---|
| Biadesivo termico che offre un'ottima tenuta meccanica ed eccellente isolamento elettrico. Disponibile in lastre, rotoli con misure custom e pezzi fustellati a misura sia su lastra che su rotolo. |
| CARATTERISTICHE |
| Resistenza Termica pari a 0.60°C-in² / W @50psi |
| Grande tenuta meccanica su metalli e plastiche epossidiche |
| Biadesivo ideale per fissaggi strutturali in un ampio range di temperature: -40°C / +125°C |
| Soluzione cost effective rispetto ad adesivi che richiedono iter termici di attivazione, fissaggio a viti o clip |



HI-FLOW 225F-AC

| HI-FLOW 225F-AC |
|--|
| Interfaccia termica non isolante a cambiamento di fase: grazie al rammollimento raggiunto a temperature superiori a 55°C, garantisce una minima resistenza termica unendola ad un'eccellente lavorabilità e pulizia d'uso. Non isola elettricamente i componenti e si rivela una soluzione ideale per interfacciare COB e dissipatore. |
| CARATTERISTICHE |
| Resistenza Termica: 0.09°C-in² / W @50psi |
| Rinforzo interno in alluminio, adesivo su un lato per facilitarne un rapido posizionamento |
| Facilmente fustellabile su misura, disponibile anche in rotolo o lastra |
| Montaggio efficace già a basse pressioni, è il materiale ideale per sostituire l'uso di paste termiche |



SILPAD 900S

SILPAD 900S

Interfaccia termica rinforzata con fibra di vetro, disponibile anche in versione adesivizzata su un lato. Ottimo isolante elettrico e conduttore di calore, ideale per street lighting.

CARATTERISTICHE

Resistenza Termica: 0.61°C-in² / W @50psi - Conducibilità Termica: 1.6 W / m-K

Isolamento Elettrico: 5.5 kV su spessore di 0.23mm (9 mils)

Temperatura di esercizio certificata da -60°C a +180°C

Prodotto resistente al taglio, fustellabile e disponibile anche in lastre o rotoli con dimensioni custom



GAP FILLER 1500LV

GAP FILLER 1500LV

Filler bicomponente liquido a bassa volatilità, ideale per applicazioni indoor / outdoor sensibili all'outgassing silconico come i corpi illuminanti impermeabili.

CARATTERISTICHE

Conducibilità Termica di 1.8 W / m-K unita a eccellente stabilità meccanica ed isolamento elettrico

Si conforma facilmente a qualsiasi superficie, massimizzando così lo scambio termico

Il curing del materiale può avvenire sia a temperatura ambiente (8 hr @25°C) che a caldo (10 min @100°C)

Disponibile in cartucce o secchielli, per dosaggi manuali o automatizzati.



Nei suoi 25 anni di attività, Amtek Technology Co. si è evoluta come uno dei maggiori produttori di connettori del mondo. L'ampia gamma di prodotti offerti consente all'azienda di rispondere ad ogni esigenza di connessione e progettazione. Oltre alle versioni standard, Amtek offre la possibilità di customizzazioni e di molteplici personalizzazioni. Un team di tecnici qualificati è costantemente impegnato nella ricerca e nello sviluppo di nuove soluzioni in grado di rispondere in modo flessibile e a basso costo alle più svariate esigenze del mercato.

In the 25 years since it was first founded, Amtek Technology Co. has evolved into a leading worldwide professional manufacturer of various connectors. Its connectors are supplied in a wide range of styles and configurations to suit any design requirements. In addition to standard ranges, custom-built connectors can be designed, developed, and manufactured to meet individual requirements. Its experienced Research and Development team makes constant efforts to research and develop new solutions that are capable of replying, in a flexible and low-cost way, to the most diversified needs of the market.



53LED400S-AA02T0WUB-01

53LED400S-AA02T0WUB-01

| | |
|-------------------|---|
| TECHNICAL DETAILS | Connettore lighting |
| | Passo 4,00 mm |
| | 1 e 2 vie |
| | Wire range 20-18 AWG |
| | Tenuta meccanica 3.5 kg |
| Features | Idoneo per applicazioni LED e apparecchiature elettroniche con componenti SMD |
| | "L'altezza di montaggio ridotta di soli 4,5 mm riduce la formazione di ombre in caso di applicazioni LED" |
| | Azionamento con pulsante a molla che rende facile "inserzione/disinserzione" |
| | Confezionamento in reel per montaggio con "pick and place" |



5LED30ACM-XXT0WUH-A1

5LED30ACM-XXT0WUH-A1

| | |
|-------------------|--|
| TECHNICAL DETAILS | Connettore lighting |
| | Passo 3.00Mm |
| | Wire range 26-22 awg |
| | Insertion push wire |
| Features | Idoneo per applicazioni led e apparecchiature elettroniche con componenti smd |
| | "L'altezza di montaggio ridotta di soli 2,65 mm riduce la formazione di ombre in caso di applicazioni led" |
| | Azionamento con pulsante a molla che rende facile "inserzione/disinserzione" |
| | Confezionamento in reel per montaggio con "pick and place" |



LEDM-XXTWR-U

| LEDM-XXTWR-U | |
|-------------------|--|
| TECHNICAL DETAILS | Connettore ermafrodita |
| | Da 2 a 6 vie |
| | Portata 6A |
| | Passo 4,00 mm |
| Features | Sistema a connettori ermafroditi per comandi LED |
| | Connessione "wire-to-board" e "board-to-board" |
| | Utilizzabile anche per applicazioni "wire-to-board" con apposita interfaccia |
| | Possibilità di connessione anche su piani inclinati da 45° |



PIN HEADER / FEMALE HEADER

| PIN HEADER / FEMALE HEADER | |
|----------------------------|--|
| TECHNICAL DETAILS | Passi da 0.8mm a 5.08mm |
| | Altezze personalizzabili |
| | Custom su disegno |
| Features | Connettore di collegamento per varie correnti e tensioni |
| | Per connessioni "scheda/scheda" e "scheda/filo" |
| | Possibilità di customizzazione e personalizzazione |
| | Realizzati in plastica ad alta temperatura |

Zaward Corporation è stata fondata nel 1996 come agente esclusivo in tutto il mondo di Globefan Technology Co., uno dei principali produttori di ventilatori a corrente continua che opera a Taiwan dal 1986 rifornendo le maggiori aziende produttrici di dispositivi per l'alimentazione di personal computer con prodotti di qualità. Negli ultimi 10 anni Zaward si è costruita una solida reputazione, guadagnandosi la fiducia dei clienti per l'alto standard tecnico e l'efficiente sistema di controllo qualità.

Zaward Corporation was founded in 1996 as the sole worldwide agent of Globefan Technology Co., one of the leading manufacturers of DC fans, which has been supplying the top personal computer power supply companies with the best quality products, since it was first established in Taiwan, in 1986. Over the last 10 years, Zaward has created a reliable reputation for itself, winning the trust of customers for its high engineering standards and effective quality control system.



ZDA12015A

| ZDA12015A | | | | | | | | | | | | |
|------------------|------------------|---------------|---------------|-------------------|-------|--------------|-------|------------------|----------|---------|------------|------------|
| Model No. | Starting Voltage | Rated Voltage | Rated Current | Rated Input Power | Speed | Max Air Flow | | Max Air Pressure | | Noise | Dimension | Net Weight |
| | (V) | (V) | (A) | (W) | (RPM) | (CMM) | (CFM) | (mmAq) | (inchAq) | (db(A)) | (mm) | (g) |
| ZDAA12015X12YA01 | 6 | 12 | 0.20 | 2.40 | L1500 | 1.38 | 48.56 | 1.33 | 0.05 | 27.3 | 120x120x15 | 124 |
| | | | 0.25 | 3.00 | M1800 | 1.73 | 61.02 | 1.86 | 0.07 | 32.3 | | |
| | | | 0.38 | 4.56 | H2200 | 2.14 | 75.41 | 2.75 | 0.11 | 38.4 | | |



ZDA12020A SERIES

| ZDA12020A SERIES | | | | | | | | | | | | |
|------------------|------------------|---------------|---------------|-------------------|-------|--------------|-------|------------------|----------|---------|------------|------------|
| Model No. | Starting Voltage | Rated Voltage | Rated Current | Rated Input Power | Speed | Max Air Flow | | Max Air Pressure | | Noise | Dimension | Net Weight |
| | (V) | (V) | (A) | (W) | (RPM) | (CMM) | (CFM) | (mmAq) | (inchAq) | (db(A)) | (mm) | (g) |
| ZDAA12020X12YA01 | 7 | 12 | 0.2 | 2.4 | 1500 | 1.39 | 48.92 | 1.67 | 0.07 | 31.4 | 120x120x20 | 140 |
| ZDAA12020X12YA01 | 6 | 12 | 0.3 | 3.6 | M1800 | 1.72 | 60.9 | 2.43 | 0.10 | 36.5 | 120x120x20 | 140 |
| | | | 0.4 | 4.8 | H2200 | 1.92 | 67.81 | 3.05 | 0.12 | 40.9 | | |

X= Bearing Sy+A15:B25stem
Y= Speed Fan

B= Ball Baering (70k hours)
L= Low Sppeed

S= Sleeve Bearing (26k hours)
M= Medium Speed

DS= Duro Bearing (60k hours)
H= High Speed **V**= Very High Speed

F=Fluid Dynamic Bearing (40k hours)



ZDA12025A01 SERIES

| ZDA12025A01 SERIES | | | | | | | | | | | | |
|--------------------|------------------|---------------|---------------|-------------------|-------|--------------|--------|------------------|----------|-------|------------|------------|
| Model No. | Starting Voltage | Rated Voltage | Rated Current | Rated Input Power | Speed | Max Air Flow | | Max Air Pressure | | Noise | Dimension | Net Weight |
| | (V) | (V) | (A) | (W) | (RPM) | (CMM) | (CFM) | (mmAq) | (inchAq) | db(A) | mm | g |
| ZDAA12025X12YA01 | 6 | 12 | 0.18 | 2.16 | L2000 | 2.57 | 90.92 | 3.06 | 0.12 | 34 | 120x120x25 | 134 |
| | | | 0.20 | 3.60 | M2400 | 2.92 | 103.26 | 4.23 | 0.17 | 39 | | |
| ZDAA12025X12YA01 | 3.5 | 12 | 0.32 | 6.24 | 2800 | 3.51 | 124.11 | 5.79 | 0.23 | 43.6 | 120x120x25 | 134 |



ZDA12025A02 SERIES

| ZDA12025A02 SERIES | | | | | | | | | | | | |
|--------------------|------------------|---------------|---------------|-------------------|-------|--------------|--------|------------------|----------|-------|------------|------------|
| Model No. | Starting Voltage | Rated Voltage | Rated Current | Rated Input Power | Speed | Max Air Flow | | Max Air Pressure | | Noise | Dimension | Net Weight |
| | (V) | (V) | (A) | (W) | (RPM) | (CMM) | (CFM) | (mmAq) | (inchAq) | db(A) | mm | g |
| ZDAA12025X12YA02 | 10.8 | 12 | 0.18 | 2.16 | 1000 | 1.20 | 42.33 | 0.83 | 0.03 | 15.2 | 120x120x25 | 134 |
| ZDAA12025X12YA02 | 6 | 12 | 0.20 | 2.40 | L1800 | 2.47 | 87.19 | 2.75 | 0.11 | 33 | 120x120x25 | 134 |
| | | | 0.55 | 6.60 | M2400 | 3.10 | 109.44 | 4.59 | 0.18 | 41.2 | | |
| | | | 0.65 | 7.80 | H2800 | 3.53 | 124.8 | 5.33 | 0.21 | 44.9 | | |



ZDA12025B SERIES

| ZDA12025B SERIES | | | | | | | | | | | | |
|------------------|------------------|---------------|---------------|-------------------|-------|--------------|-------|------------------|----------|-------|------------|------------|
| Model No. | Starting Voltage | Rated Voltage | Rated Current | Rated Input Power | Speed | Max Air Flow | | Max Air Pressure | | Noise | Dimension | Net Weight |
| | (V) | (V) | (A) | (W) | (RPM) | (CMM) | (CFM) | (mmAq) | (inchAq) | db(A) | mm | g |
| ZDAA12025X12YB01 | 6 | 12 | 0.18 | 2.16 | L1900 | 1.78 | 62.93 | 3.93 | 0.15 | 32.5 | 120x120x25 | 150 |
| | | | 0.20 | 2.40 | M2200 | 2.11 | 74.84 | 5.15 | 0.20 | 35.5 | | |
| | | | 0.23 | 2.76 | H2500 | 2.34 | 82.67 | 6.25 | 0.25 | 38.5 | | |
| | | | 0.33 | 3.96 | V2800 | 2.69 | 95.14 | 7.73 | 0.30 | 41.5 | | |
| ZDAA12025X24YB01 | 12 | 24 | 0.10 | 2.40 | L1900 | 1.78 | 62.93 | 3.93 | 0.15 | 32.5 | 120x120x25 | 150 |
| | | | 0.12 | 2.88 | M2200 | 2.11 | 74.84 | 5.15 | 0.20 | 35.5 | | |
| | | | 0.14 | 3.36 | H2500 | 2.34 | 82.67 | 6.25 | 0.25 | 38.5 | | |
| | | | 0.18 | 4.32 | V2800 | 2.69 | 95.14 | 7.73 | 0.30 | 41.5 | | |



ZDA12038B SERIES

| ZDA12038B SERIES | | | | | | | | | | | | |
|------------------|------------------|---------------|---------------|-------------------|-------|--------------|--------|------------------|----------|--------|------------|------------|
| Model No. | Starting Voltage | Rated Voltage | Rated Current | Rated Input Power | Speed | Max Air Flow | | Max Air Pressure | | Noise | Dimension | Net Weight |
| | (V) | (V) | (A) | (W) | (RPM) | (CMM) | (CFM) | (mmAq) | (inchAq) | db(A) | mm | g |
| ZDAA12038X12YB01 | 6 | 12 | 0.30 | 3.60 | L2000 | 2.40 | 84.76 | 84.76 | 84.76 | 84.76 | 120x120x38 | 243 |
| | | | 0.40 | 4.80 | M2300 | 2.69 | 95.00 | 95.00 | 95.00 | 95.00 | | |
| | | | 0.70 | 8.40 | H2600 | 2.99 | 105.94 | 105.94 | 105.94 | 105.94 | | |
| | | | 0.90 | 10.8 | V2900 | 3.40 | 120.07 | 120.07 | 120.07 | 120.07 | | |
| ZDAA12038X24YB01 | 12 | 24 | 0.15 | 3.60 | L2000 | 2.40 | 84.76 | 4.56 | 0.18 | 32.5 | 120x120x38 | 243 |
| | | | 0.18 | 4.32 | M2300 | 2.69 | 95.00 | 6.00 | 0.24 | 35.5 | | |
| | | | 0.30 | 7.20 | H2600 | 2.99 | 105.94 | 7.60 | 0.30 | 38.5 | | |
| | | | 0.40 | 9.60 | V2900 | 3.40 | 120.07 | 9.00 | 0.36 | 41.5 | | |
| ZDAA12038X48YB01 | 24 | 48 | 0.08 | 3.84 | L2000 | 2.40 | 84.76 | 84.76 | 84.76 | 32.5 | 120x120x38 | 243 |
| | | | 0.10 | 4.80 | M2300 | 2.69 | 95.00 | 95.00 | 95.00 | 35.5 | | |
| | | | 0.18 | 8.64 | H2600 | 2.99 | 105.94 | 105.94 | 105.94 | 38.5 | | |
| | | | 0.25 | 12.0 | V2900 | 3.40 | 120.07 | 120.07 | 120.07 | 41.5 | | |

X= Bearing Sy+A15:B25stem
Y= Speed Fan

B= Ball Baering (70k hours)
L= Low Sppeed

S= Sleeve Bearing (26k hours)
M= Medium Speed

DS= Duro Bearing (60k hours)
H= High Speed V= Very High Speed

F=Fluid Dynamic Bearing (40k hours)



ZAA12025C01 SERIES

| ZAA12025C01 SERIES | | | | | | | | | | | | | |
|--------------------|------------------|---------------|-----------|---------------|-------------------|-------|--------------|-------|------------------|----------|-------|------------|------------|
| Model No. | Starting Voltage | Rated Voltage | Frequency | Rated Current | Rated Input Power | Speed | Max Air Flow | | Max Air Pressure | | Noise | Dimension | Net Weight |
| | (V) | (V) | (Hz) | (A) | (W) | (RPM) | (CMM) | (CFM) | (mmAq) | (inchAq) | db(A) | mm | g |
| ZAAN12025X11YC01 | 100-120 | 115 | 50 | 0.13 | 14.0 | L1800 | 1.40 | 50 | 2.78 | 0.11 | 30 | 120x120x25 | 330 |
| | | | | 0.16 | 16.0 | M2000 | 1.64 | 58 | 3.00 | 0.12 | 35 | | |
| | | | | 0.19 | 19.0 | H2200 | 1.87 | 66 | 3.56 | 0.14 | 38 | | |
| ZAAN12025X11YC01 | 100-120 | 115 | 60 | 0.11 | 13.0 | L1700 | 1.36 | 48 | 2.68 | 0.10 | 29 | 120x120x25 | 330 |
| | | | | 0.15 | 15.0 | M2000 | 1.64 | 58 | 3.20 | 0.12 | 35 | | |
| | | | | 0.18 | 18.0 | H2400 | 2.21 | 78 | 4.06 | 0.16 | 40 | | |
| ZAAN12025X22YC01 | 220-240 | 220 | 50 | 0.05 | 14.0 | L1800 | 1.40 | 50 | 2.78 | 0.11 | 30 | 120x120x25 | 330 |
| | | | | 0.16 | 16.0 | M2000 | 1.64 | 58 | 3.00 | 0.12 | 35 | | |
| | | | | 0.09 | 19.0 | H2200 | 1.87 | 66 | 3.56 | 0.14 | 38 | | |
| ZAAN12025X22YC01 | 220-240 | 220 | 60 | 0.05 | 13.0 | L1700 | 1.36 | 48 | 2.68 | 0.10 | 29 | 120x120x25 | 330 |
| | | | | 0.15 | 15.0 | M2000 | 1.64 | 58 | 3.20 | 0.12 | 35 | | |
| | | | | 0.09 | 18.0 | H2400 | 2.21 | 78 | 4.06 | 0.16 | 40 | | |



ZAA12038C01

| ZAA12038C01 | | | | | | | | | | | | | |
|------------------|------------------|---------------|-----------|---------------|-------------------|-------|--------------|-------|------------------|----------|-------|------------|------------|
| Model No. | Starting Voltage | Rated Voltage | Frequency | Rated Current | Rated Input Power | Speed | Max Air Flow | | Max Air Pressure | | Noise | Dimension | Net Weight |
| | (V) | (V) | (Hz) | (A) | (W) | (RPM) | (CMM) | (CFM) | (mmAq) | (inchAq) | db(A) | mm | g |
| ZAAN12038X11YC01 | 100-120 | 115 | 50 | 0.14 | 12.0 | L2000 | 1.87 | 66 | 4.80 | 0.19 | 30 | 120x120x38 | 530 |
| | | | | 0.17 | 16.0 | M2400 | 2.10 | 75 | 5.60 | 0.22 | 37 | | |
| | | | | 0.22 | 21.0 | H2650 | 2.58 | 91 | 7.35 | 0.29 | 40 | | |
| ZAAN12038X11YC01 | 100-120 | 115 | 60 | 0.12 | 10.5 | L1800 | 1.70 | 60 | 4.50 | 0.18 | 29 | 120x120x38 | 530 |
| | | | | 0.15 | 14.0 | M2200 | 2.00 | 70 | 5.00 | 0.20 | 35 | | |
| | | | | 0.18 | 18.0 | H2950 | 3.20 | 113 | 8.62 | 0.34 | 45 | | |
| ZAAN12038X22YC01 | 220-240 | 220 | 50 | 0.08 | 12.0 | L2000 | 1.87 | 66 | 4.80 | 0.19 | 30 | 120x120x38 | 530 |
| | | | | 0.09 | 16.0 | M2400 | 2.10 | 75 | 5.60 | 0.22 | 37 | | |
| | | | | 0.12 | 20.0 | H2650 | 2.58 | 91 | 7.35 | 0.29 | 40 | | |
| ZAAN12038X22YC01 | 220-240 | 220 | 60 | 0.08 | 10.5 | L1800 | 1.70 | 60 | 4.50 | 0.18 | 29 | 120x120x38 | 530 |
| | | | | 0.11 | 14.0 | M2200 | 2.00 | 70 | 5.00 | 0.20 | 35 | | |
| | | | | 0.12 | 19.0 | H2950 | 3.20 | 113 | 8.62 | 0.34 | 45 | | |
| | | | | | 21.0 | V3100 | 3.25 | 115 | 9.65 | 0.38 | 47 | | |



ZAA12038C02

| ZAA12038C02 | | | | | | | | | | | | | |
|------------------|------------------|---------------|-----------|---------------|-------------------|-------|--------------|-------|------------------|----------|-------|------------|------------|
| Model No. | Starting Voltage | Rated Voltage | Frequency | Rated Current | Rated Input Power | Speed | Max Air Flow | | Max Air Pressure | | Noise | Dimension | Net Weight |
| | (V) | (V) | (Hz) | (A) | (W) | (RPM) | (CMM) | (CFM) | (mmAq) | (inchAq) | db(A) | mm | g |
| ZAAN12038X11YC02 | 100-120 | 115 | 50 | 0.14 | 12.0 | L2000 | 1.87 | 66 | 4.80 | 0.19 | 30 | 120x120x38 | 530 |
| | | | | 0.17 | 16.0 | M2400 | 2.10 | 75 | 5.60 | 0.22 | 37 | | |
| | | | | 0.22 | 21.0 | H2650 | 2.58 | 91 | 7.35 | 0.29 | 40 | | |
| ZAAN12038X11YC02 | 100-120 | 115 | 60 | 0.12 | 10.5 | L1800 | 1.70 | 60 | 4.50 | 0.18 | 29 | 120x120x38 | 530 |
| | | | | 0.15 | 14.0 | M2200 | 2.00 | 70 | 5.00 | 0.20 | 35 | | |
| | | | | 0.18 | 18.0 | H2950 | 3.20 | 113 | 8.62 | 0.34 | 45 | | |
| ZAAN12038X22YC02 | 220-240 | 220 | 50 | 0.08 | 12.0 | L2000 | 1.87 | 66 | 4.80 | 0.19 | 30 | 120x120x38 | 530 |
| | | | | 0.09 | 16.0 | M2400 | 2.10 | 75 | 5.60 | 0.22 | 37 | | |
| | | | | 0.12 | 20.0 | H2650 | 2.58 | 91 | 7.35 | 0.29 | 40 | | |
| ZAAN12038X22YC02 | 220-240 | 220 | 60 | 0.08 | 10.5 | L1800 | 1.70 | 60 | 4.50 | 0.18 | 29 | 120x120x38 | 530 |
| | | | | 0.11 | 14.0 | M2200 | 2.00 | 70 | 5.00 | 0.20 | 35 | | |
| | | | | 0.12 | 19.0 | H2950 | 3.20 | 113 | 8.62 | 0.34 | 45 | | |
| | | | | | 21.0 | V3100 | 3.25 | 115 | 9.65 | 0.38 | 47 | | |

X= Bearing Sy+A15:B25stem
Y= Speed Fan

B= Ball Baering (70k hours)
L= Low Sppeed

S= Sleeve Bearing (26k hours)
M= Medium Speed

DS= Duro Bearing (60k hours)
H= High Speed V= Very High Speed

F=Fluid Dynamic Bearing (40k hours)



sede operativa

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