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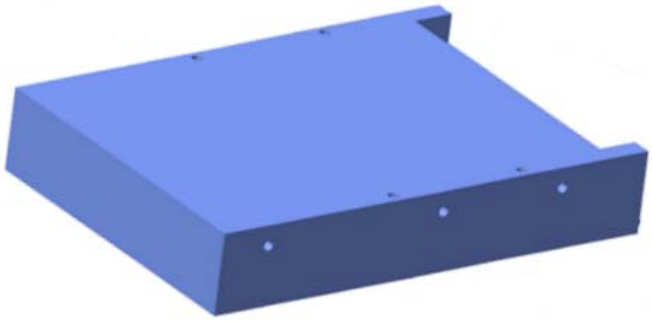
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Find the *Philips ZL-030-0* at our website: *Click HERE*

ZLx



# ZLx 30GB / 60GB / 90GB / 120GB
# DEEP CYCLE STATIC ARRAY 3.5 INCH DISK DRIVE

## Features

- Standard 3.5-inch form factor
- 30GB, 60GB, 90GB, 120GB capacities
- SATA II interface
- 300MB/sec sustained transfer rate
- 0.6ms random access time
- Very low power operation (2.65W max.)
- Light weight
- Shock and vibration resistant
- High altitude operation compatible


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## Summary


Phillips' ZLx series high performance solid state drives come in the standard 3.5-inch (Desktop) form factor. They are intended to be drop in replacements for conventional mechanical drives, achieving significantly better performance across the board.

Phillips' Deep Cycle Static Array (DCSA) flash technology is used in the ZLx drives, yielding a design with no moving parts and very low access times. The array structure of the ZLx allows for interleaving of data, resulting in significantly higher transfer rates over conventional flash and mechanical hard drives. One ZLx virtually saturates the SATA II (aka SATA 3G) bus, with almost zero random access time.

The ZLx also employs low level 'on-the-fly' ECC, and a 'write equalization' feature that spreads the workload across the entire storage range to reduce memory fatigue.

Since the ZLx is solid state, there is no spin-up time from an idle / shutdown state. This means that whenever the drive is not being used, it is always in a shutdown state, reducing power consumption and heat with no associated spin-up penalty.


## Specifications

| | |
|---|---|
| Capacity: | 30GB, 60GB, 90GB, 120GB |
| Transfer Rate: | 300MB/sec (sustained) |
| Random Access Time: | 0.6ms |
| Connectors: | SATA II I/O & Power |
| Power | |
| Reading/Writing: | 2.65W |
| Idle/Shutdown: | 0.4W |
| Dimensions | |
| Height (in/mm): | 1.03/26.1 |
| Width (in/mm): | 4.00/101.6 |
| Depth (in/mm): | 5.79/147.0 |
| Weight: (lb/g): | 0.603/274 |
| Acoustics: | 0 dB |
| Temperature | |
| Operating: | 0°C to 70°C |
| Non-Operating: | -20°C to 85°C |
| Shock (op & non-op): | 1000G |
| Vibration (op & non-op): | 15G peak, 0.5 sine wave, 10-5000Hz |
| Altitude: | 80k Feet |
| Reliability | |
| MTBF: | 100,000 power-on hours |
| ECC: | supporting two random bits of a sector "on-the-fly" ECC corrections |

## Ordering Information

| | |
|---|---|
| Part Number: | ZL-AAA-B |
| ZL | Base part number |
| AAA | Capacity (030, 060, 090, 120) |
| B | 0=Standard temp (0°C to 70°C) |
| | 1=Extended temp (-40°C to 85°C) |

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