

# Lightpath

## LightCube

Connected Edge Data Centers

Class-A Space, Power, and Connectivity on the Edge.  
Modular, Scalable, and Turnkey.

LightCube is a re-imagined, modern regeneration/ILA site that offers turnkey, class-A space to house and connect advanced technologies in strategic locations, along the edge or anywhere that is required.

LightCubes offer day-one readiness by accommodating all projected space and power requirements for full cable utilization. LightCubes can be deployed individually or in clusters while maintaining the ability to easily scale into the future.

### INFRASTRUCTURE

- All LightCubes fully owned & operated by Lightpath
- Modular design with up to 8k sq. ft of floor space per LightCube
- Multiple LightCubes possible at select locations
- Diverse fiber routing from Lightpath's network to each LightCube

### SECURITY & OPERATIONS

- Layered physical security via perimeter fencing and biometric entrance access controls
- Monitoring of entire electrical, mechanical, & fire protection systems 24/7/365 by Lightpath's Network Operations Center (NOC)
- 24/7/365 video monitoring with CCTV-system
- Escorted access for on-site visits
- All maintenance and repairs managed by Lightpath's in-house team

### ELECTRICAL

- Total Power per LightCube: 1.0 MW
- Single DC plant with redundant rectifiers + 2 hours of battery backup (at full load)
- A & B power feed distribution to customer rack
- Power backup through onsite diesel generator with 24 hours fuel reserve (at full load)



Rendering of a LightCube by Lightpath

### MECHANICAL

- Data center HVAC: N+1 CRAC units with individual condensers for true redundancy with cold-aisle or hot aisle containment

### FIRE PROTECTION

- Automatic smoke & fire detection and pre-action sprinkler system throughout

### CABINETS & CAGES

#### Standard Design:

- 23" x 19", 2 post racks, 4 post racks, cabinets, and cages available in 1/2 and full rack increments in a colocation environment
- Power density per rack: 3 – 5 kW

#### Custom Design: Built-to-suit

- Subject to overall available capacity
- Larger rack/cab options available
- Power density per rack: up to 15 kW with metered power capabilities
- Includes options for custom solid wall or cage partitions, biometric security access controls, private entrance, spares storage, and more

### AMENITIES

- Facilities to support onsite technicians with staging/storage room, free secure WIFI internet access, on-site parking, and general facilities