DLA-I
Luminaire-Integrated Digital Light Agent

Date: _____

Quantity: _____

Company: _____

Project: _____

Digital Light Agents (DLAs) are multi-strategy adaptive lighting controls that make any light, from any manufacturer, intelligent. The DLA-I brings wireless sensing and control, and SiteWorx® compatibility, to third-party luminaires.

Key Features & Benefits

- Designed to integrate directly into third-party luminaires, without external enclosures or connections

- Maximum energy savings via integrated sensing and software optimization

- Performance validation with utility-grade energy metering

- Provides a real-time stream of actionable facility usage and environmental data

Maximize Energy Savings

With SiteWorx Tune, customize and apply industry-leading lighting control strategies — including daylight harvesting and off-hour setback — to achieve up to 90% energy savings. Accessible via web and mobile applications, intuitive software provides easy management of lighting system settings and comprehensive reporting tools to maximize energy savings, safety, and visual comfort.

Instrument for the IIoT

With Digital Lumens intelligent LED luminaires and Digital Light Agent (DLA) lighting controls, your facility is immediately instrumented with SiteWorx, an easily expandable Industrial IoT solution that enables rapid deployment of additional sensor-based applications that extend beyond lighting to deliver even greater operational insight and create new value streams.

Quality and Reliability

Digital Lumens products are designed and manufactured to satisfy the highest standards of customers worldwide and deliver performance, reliability, and long life.

As an OSRAM business, Digital Lumens solutions are supported by a global network of partners and product specialists.

Our Brand

DIGITAL LUMENS

OSRAM

Specifications

SENSING AND CONTROL

Wireless Networking
- IEEE 802.15.4 Compatible
- 2.4 GHz Band

Onboard Intelligence
- Distributed sensing and control
- Facility usage and data-logging

Sensor Capabilities
- Integrated PIR occupancy sensor
- Integrated Daylight sensor
- SR driver-ready

Dimming Interface
- Dim range based on driver
- 0-10V dimming and switching when used with DLA-FA or DLA-CA adapters
- DALI compatible

Device Limit
- Up to (4x) DLA-FA or DLA-CA adapters, or (16x) DALI[1], SR[2], or DEXAL[2] drivers

ELECTRICAL

Input Voltage
- 12 – 24 VDC DALI bus powered (SELV)

Power Consumption
- 0.5 W

Connections
- Yellow/White: DALI+
- Yellow: DALI-

ENVIRONMENTAL

Operating Temperature
- -22° – 122°F (-30° – 50°C)

Operating Humidity
- 0% – 95% non-condensing

PHYSICAL

Enclosure
- PC/ABS Polymer

Dimensions (H x W x D)
- 1.9 x 3.3 x 3 inch (47 x 83 x 76 mm)

Weight
- 5 oz (140 g)

Mounting
- Housing mounted within luminaire enclosure; sensor lens assembly is external

Mounting Height
- Standard Optic: 8 – 20 ft (2.4 – 6.1 m)
- High-Bay Optic: 12 – 32 ft (3.7 – 9.8 m)

Mounting Hole Diameter
- 0.5 inch (Pg-7) trade size knockout

WARRANTY
- 5-Year Limited Warranty

CERTIFICATIONS & SAFETY

Approbations
- UL/cUL, CE, FCC Part 15 Class B, SR Certified

Environmental Suitability
- IP65 (when installed within appropriate third-party luminaire housing)

Ordering Information
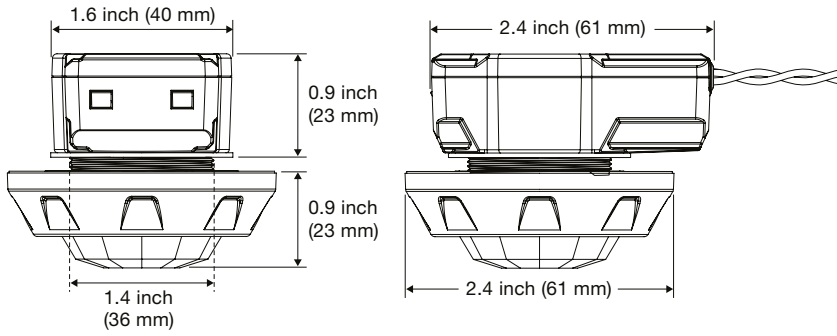
Part Number
DLA-I-D

Footnotes:

[1] DALI drivers require a separate DALI power supply in order to power the DLA.

[2] With SR and DEXAL drivers, to prevent damaging the DLA, ensure that no more than (1x) driver has the power bus enabled.
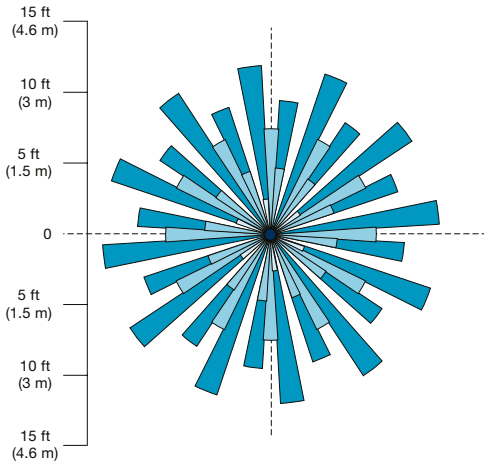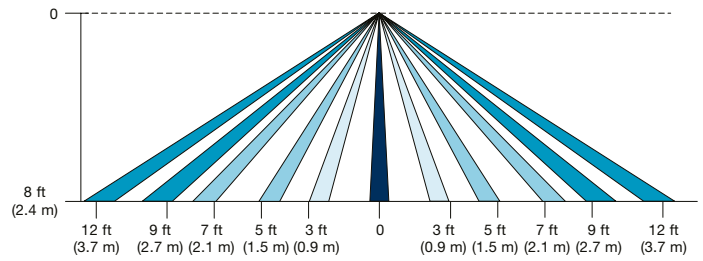
Dimensions

1.6 inch (40 mm)

0.9 inch (23 mm)

0.9 inch (23 mm)

1.4 inch (36 mm)

2.4 inch (61 mm)

2.4 inch (61 mm)

Sensor Coverage

Standard Optic

Top View

15 ft (4.6 m)
10 ft (3 m)
5 ft (1.5 m)
0
5 ft (1.5 m)
10 ft (3 m)
15 ft (4.6 m)

Side View

0

8 ft (2.4 m)

12 ft (3.7 m) | 9 ft (2.7 m) | 7 ft (2.1 m) | 5 ft (1.5 m) | 3 ft (0.9 m) | 0 | 3 ft (0.9 m) | 5 ft (1.5 m) | 7 ft (2.1 m) | 9 ft (2.7 m) | 12 ft (3.7 m)

High-Bay Optic

Top View

12 ft (3.7 m)
7 ft (2.1 m)
5 ft (1.5 m)
2 ft (0.6 m)
0
2 ft (0.6 m)
5 ft (1.5 m)
7 ft (2.1 m)
12 ft (3.7 m)

Side View

0

8 ft (2.4 m)

7 ft (2.1 m) | 5 ft (1.5 m) | 2 ft (0.6 m) | 0 | 2 ft (0.6 m) | 5 ft (1.5 m) | 7 ft (2.1 m)
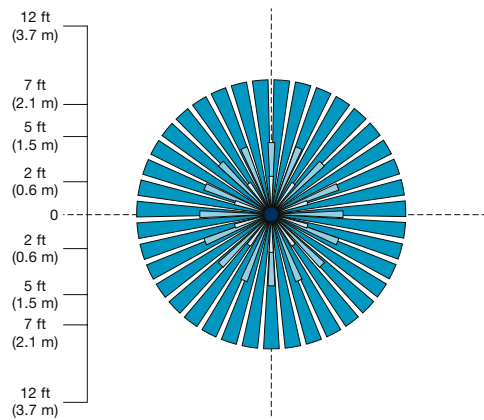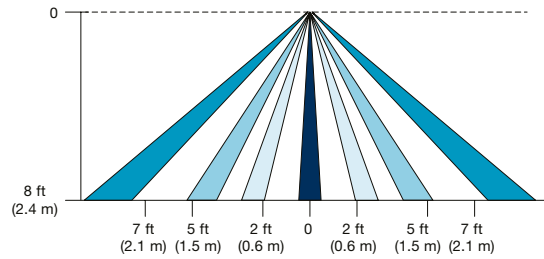
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