



1-a Light Rules Appliance (LRA)
 The LRA hosts the software engine, serves the web application, and manages the dedicated LightRules network. LRA has two Network Interface Cards (NICs). One NIC connects LRA to the LightRules Network, one NIC connects LRA to the Facility Network. LightRules Appliance available as 1U Rack Mount or Tower. Based on number of system nodes. 100-240 VAC input voltage

1-b PoE Switch
 Power over Ethernet switches and Ethernet cables connect the Appliance to the Gateways. PoE switches also supply electrical power to the Gateways. Note that LightRules is compatible with non-PoE Ethernet switches, if PoE functionality is not desired. 100-240 VAC input voltage

1-c LightRules Network Gateways
 Gateways create a network bridge between the Ethernet components in the LightRules network infrastructure and the fixtures. Each Gateway manages communications for up to 50 fixtures or DLA nodes within RF range. Powered over ethernet via PoE switch. Optional power source 12-48 VDC Input

2-a DLA
 Digital Lumens Linear Fixture (LLE)
 Wireless two-way communication with LightRules Network Gateway
 12-24 VDC input voltage
 Integrated sensor package including occupancy sensing, ambient light sensing, and wireless networking
 Connects to DC power and controls data cable.

2-b LLE- Linear LED Fixture
 Fixtures can be connected end to end for continuous run or installed spaced over an interval. DLA-LLE connects to end of the fixture and can control up to 15 fixtures per DLA. Connects with control power cable and data cable. See spec sheets for input voltages, output optics, color and CRI options

DIGITAL
LUMENS

DIGITAL LUMENS
LLE SINGLE LINE DIAGRAM

DRAWING NO: DL-SLD-LLES

DRAWN BY: SDM

SHEET TITLE:

SINGLE LINE
DIAGRAM

SHEET 1 OF 1