

IRD - IBAMS – LIGHTING CONTROL SYSTEMS INTERFACE PLAN

PREPARED BY: SCHNEIDER ELECTRIC



DESTINATION
BRISBANE
CONSORTIUM

QUEEN'S WHARF BRISBANE

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AB1	09.05.2025	Updates to lighting zone schedules

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2 Nomenclature

NAME	DESCRIPTION
AC	Air Conditioning
ACS	Access Control System, synonymous with SMS
AHU	Air Handling Unit
ACU	Air Conditioning Unit
AD	Microsoft Active Directory
AI	Analogue Input
AO	Analogue Output
API	Application Programming Interface, a connection between computers or between computer programs. It is a type of software interface, offering a service to other pieces of software.
AS	Schneider Electric SpaceLogic Automation Server
AWCS	Automated Waste Collection System
AV	Audio Visual
BACnet	A data communication protocol for building automation and control networks. Developed under ASHRAE.
BDA	Bi-Directional Amplifier
BIM	Building Information Model
BMS	Building Management System
Brick	Brick Ontology. Brick is an open-source effort to standardize semantic descriptions of the physical, logical and virtual assets in buildings and the relationships between them.
CA	Certificate Authority
CCTV	Closed-circuit television system, synonymous with VMS
CHWV	Chilled water valve
CRAC	Computer Room Air Conditioning
CREMS	Computer Room Environmental Management System
CWHF	Central Waste Handling Facility
DALI	Digital Addressable Lighting Interface
DALI Group	See Lighting Zone
DAS	Distributed Antenna System
DB	1. Deadband 2. Distribution Board 3. Database
DBC	Destination Brisbane Consortium
DI	Digital Input
DHCP	The Dynamic Host Configuration Protocol, a network management protocol used on Internet Protocol (IP) networks for automatically assigning IP addresses and other communication parameters to devices connected to the network using a client-server architecture.
DLP	Defect Liability Period
DO	Digital Output
EACS	Electronic Access Control System, synonymous with SMS
EBO	Schneider Electric EcoStruxure Building Operation software
EcoStruxure	Schneider Electric EcoStruxure product family

NAME	DESCRIPTION
EMS	Energy Management System
Energy Expert	Schneider Electric Energy Expert software
EC	EcoStruxure Building Operation Enterprise Central
ELV	Extra low voltage
ES	EcoStruxure Building Operation Enterprise Server
EMS	Energy Management System
ESN	Engineering Services Network (by Fredon)
EWS	EcoStruxure Web Services
FACP	Fire Alarm Control Panel
FIP	Fire Indication Panel
FQDN	Fully Qualified Domain Name
FVLS	AWCS Full Vacuum Load Station
GIMS	Garment Inventory Management System
GRMS	Guest Room Management System
GSCP	Gas Suppression Control Panel
GUI	Graphical user interface
HB	Heater bank
HLI	High level interface
HPT	Heater protection thermostat
HTML	HyperText Markup Language, the standard markup language for documents designed to be displayed in a web browser
HTTP	Hypertext Transfer Protocol
HTTPS	Secured HTTP
HV	High voltage
IBAMS	Intelligent Building Automation and Management System
ICG	Integrated Common Areas and Gaming zone of Queen's Wharf Brisbane IRD
ICN	TSEG Integrated Converged Network
IIS	Microsoft Internet Information Services, Microsoft Windows based web server software
IO	Input and output points
IP	Internet Protocol, the network layer communications protocol in the Internet protocol suite for relaying datagrams across network boundaries.
IPMS	Intelligent Power Monitoring System
IRC	In Row Cooler
IRD	Queen's Wharf Brisbane Integrated Resort Development
ISMS	Integrated Security Management System
LAN	Local area network
Lighting Area	See Lighting Zone
Lighting Channel	A channel refers to an individual controllable lighting circuit.
Lighting Group	See Lighting Zone

NAME	DESCRIPTION
Lighting Zone	<p>Lighting Zones/Groups are a collection of DALI devices (like luminaires) and channels that can be controlled together.</p> <p>Lighting control system vendors use differing nomenclature when referring to lighting zones (areas, zones, groups, switching groups, trigger groups).</p> <p>In this document, a lighting zone is a space or group of spaces within a building for which the requirements are sufficiently similar that desired light conditions can be maintained throughout by a single controlling device. A lighting zone provides a common control point for output devices (DALI channels, individual fittings) and where applicable, a common occupancy status determined from one or more occupancy sensors in the lighting zone., while areas are larger collections of groups.</p>
LV	Low Voltage
Maximo	IBM Maximo Asset Management system
MFIP	Main Fire Indicator Panel
Modbus	Industry standard data communications protocol originally published by Modicon
MSB	Main Switchboard
MSSB	Mechanical Services Switchboard
MPX	Multiplex
MV	Medium Voltage
NTP	Network time protocol or NTP server
NVR	Network Video Recorder
OA	Outside Air
OLE Process Control	An open, third party communication protocol
OPC	Data sharing technology based on OLE and Active X.
OPC Server	A server for communication using OLE Process control
OT	Operational technology
OTS	Operational technology systems
PDU	Power Distribution Unit
PI	Proportional and Integral control algorithm
PLC	Programmable Logic Controller
PME	Schneider Electric Power Monitoring Expert software
PTZ	Pan-tilt-zoom camera, a camera that is capable of remote directional and zoom control
QWB	Queen's Wharf Brisbane
RA	Return air
REST	Representational state transfer (REST), a software architectural style used in RESTful web APIs
RF	Radio Frequency Communication
RFID	RF identification (either tags or reader)
RFoF	RF over fibre
RD	Access control smart card reader

NAME	DESCRIPTION
RTP	Real-time Transport Protocol, a network protocol for delivering audio and video over IP networks
RTSP	Real Time Streaming Protocol, an application-level network protocol designed for multiplexing and packetizing multimedia transport streams (such as interactive media, video and audio) over a suitable transport protocol, such as RTP
SA	Supply air
SC	EcoStruxure SmartConnector Server
SCADA	Supervisory Control and Data Acquisition system
SFIP	Sub Fire Indicator Panel
SNMP	Simple network management protocol, an internet standard protocol used to monitor and manage network devices connected over an IP network.
SOAP	Simple Object Access Protocol, a messaging protocol specification for exchanging structured information in the implementation of web services
SP	Setpoint
SQL	Structured Query Language, a domain-specific language used in programming and designed for managing data held in a relational database management system
SR	Maximo Service Request
SSL	Secure Sockets Layer, now-deprecated by TLS is a cryptographic protocol designed to provide communications security over a computer network. Often used to refer to TLS.
TCP	Transport Control Protocol, a protocol of the Internet Protocol Suite
TETRA	Terrestrial Trunked Radio
TLS	Transport Layer Security, successor of the now-deprecated Secure Sockets Layer (SSL), is a cryptographic protocol designed to provide communications security over a computer network. Often referred to as SSL.
TSEG	The Star Entertainment Group
SMS	Security Management System
SNMP	Simple Network Management Protocol, an Internet Standard protocol for collecting and organizing information about managed devices on IP networks
SP	Setpoint
UDP	User Datagram Protocol, a protocol of the Internet Protocol Suite
UHF	Ultra high frequency radio communication
UI	User Interface
URL	Uniform Resource Locator, a web address or reference to a web resource
UX	User Experience
VAV	May refer to a Variable Air Volume AC system, a Variable Air Volume terminal unit or a Variable Air Volume terminal unit BMS controller
VLAN	Virtual LAN

NAME	DESCRIPTION
VM	Virtual machine
VMS	Video Management System
VRV	Variable Refrigerant Volume
VSD	Variable Speed Drive
WAN	Wide area network
WebRTC	Web Real-Time Communication, a free and open-source project providing web browsers and mobile applications with real-time communication (RTC) via APIs
WebStation	EcoStruxure operator interface web browser client
Windows	Microsoft Windows operating system
WO	Maximo Work Order
WorkStation	EcoStruxure Building Operation WorkStation. Operator interface Windows desktop software client
www	World wide web

3 General information and overview

3.1 Purpose of this document

This document describes the scope, intent, design and configuration of the of the integration of the Intelligent Building Automation and Management System and the various IRD Lighting Control Systems.

This document forms part of the Schneider Electric Integrated Management System and IBAMS Functional Description. The purpose of this document is to function as a reference tool, defining functionality common across each of the IRD lighting control systems and their integration with iBAMS.

3.2 Superseded documents

This document consolidates and supersedes the Interface Plans written for each individual lighting control system integration.

ACONEX DOCUMENT NUMBER	DOCUMENT NAME	PUBLISHER	ACCESS
M-MPX-SCH-BRF-ICT-TF-IRD-71004	IRD - IBAMS - CBUS LIGHTING CONTROL SYSTEM PART A INTERFACE PLAN	Schneider Electric	Aconex
M-MPX-SCH-BRF-ICT-TF-IRD-71013	IRD - IBAMS - ZENCONTROL LIGHTING CONTROL SYSTEM PART B1 INTERFACE PLAN	Schneider Electric	Aconex
M-MPX-SCH-BRF-ICT-TF-IRD-71014	IRD - IBAMS - DYNALITE LIGHTING CONTROL SYSTEM PART B2 INTERFACE PLAN	Schneider Electric	Aconex
M-MPX-SCH-BRF-ICT-TF-IRD-71015	IRD - IBAMS - DYNALITE LIGHTING CONTROL SYSTEM PART C INTERFACE PLAN	Schneider Electric	Aconex

3.3 Reference documents

Other documents to be read in conjunction with this specification below. Non-project transmittal issued reference documents have been appended in the [Appendices](#). For project issue reference documents, refer to Aconex Document Register.

ACONEX DOCUMENT NUMBER	DOCUMENT NAME	PUBLISHER	ACCESS
M-MPX-SCH-BRF-ICT-TF-IRD-71036	Information Technology System Planning Guide - EcoStruxure Building Management	Schneider Electric	Aconex
M-MPX-SCH-BRF-ICT-TF-IRD-71010	IRD - IBAMS FUNCTIONAL DESCRIPTION	Schneider Electric	Aconex
M-MPX-SCH-SDW-ICT-TF-IRD-71042	IRD - IBAMS - ALL LIGHTING CONTROL SYSTEMS INTERFACE ARCHITECTURE	Schneider Electric	Aconex
M-MPX-FRE-RPT-ELE-IRD-00017	Lighting Control Design Report	Fredon	Aconex
M-MPX-SDE-BRF-ELE-IRD-00002	ICG - PART B1 - LIGHTING CONTROL - FUNCTIONAL BRIEF	SDF Electrical	Aconex
M-MPX-PER-RPT-ELE-IRD-00002	Electrical Services Design Report-Lighting Control	Perigon	Aconex

3.4 Directory

ORGANISATION	NAME	ROLE	PHONE	EMAIL
Schneider Electric	Clive Gross	Master Systems Integrator	+61 405 686 517	clive.gross@se.com
Schneider Electric	Paul Armsden	Project Director	+61 419 987 563	Paul.Armsden@se.com
Multiplex	Tony Ross	Services Manager	+61 404 003 992	Tony.Ross@multiplex.global
Built	Simon Lunn	Part C Design Manager	+61 457 397 535	simonlunn@built.com.au
Fredon	Justin Batrachenko	Queens Wharf Brisbane Part A lighting Design/ Commissioning Manager	+61 439 983 528	jbatrachenko@fredon.com.au
SDF Electrical	Joel Potter	Queens Wharf Brisbane Part B1 lighting Project Manager	+61 401 484 589	jpotter@sdf.net.au
Smartscape	Steven Connors	Queens Wharf Brisbane Part B1 lighting control system integrator subcontractor Services Manager	+61 427 798 324	steven@ssqld.com.au
Perigon Pty Ltd	Dane Grant	Queens Wharf Brisbane Part B2 lighting Commissioning Manager	+61 423 324 539	dane.grant@perigon.com.au
Bluebottle	Nick Gilbert	Queens Wharf Brisbane Part B2 lighting control system integrator subcontractor State Manager	+61 481 396 259	nick@bb3.net.au
SDF Electrical	James Cooper	Queens Wharf Brisbane Part C lighting Project Manager	+61 492 941 226	jcooper@sdf.net.au
iAutomation	Robert Rowell	Queens Wharf Brisbane Part C lighting control system integrator subcontractor System Integrator	+61 406 003 737	robertr@iautomation.com.au

3.5 Scope of works

Generally, the lighting control system integrator is responsible for:

1. Defining, programming and integrating of the lighting control system lighting zones/groups/areas, down to the driver/fitting/sensor.
2. Issue to the iBAMS integrator lighting groups schedules, including iBAMS control requirements, eg iBAMS time schedule, monitored only and corresponding BACnet interface points lists.
3. Programming and fine tuning of scene control, light levels, alarm monitoring and components within the lighting control system scope of work.
4. Creating and hosting the lighting control system BACnet interface, provisioning access to the interface to iBAMS to enable monitoring and control of the lighting, as defined in this interface plan.

Generally, iBAMS integrator is responsible for:

1. Interfacing to the respective lighting control system BACnet interface as a BACnet client.
2. Monitor lighting control system at the groups level. Scenes, occupancy status and alarms are observed by iBAMS at the group level only, as defined in the associated iBAMS – lighting control system interface plan.
3. Wherever defined by the lighting control system integrator, provide scene control at the group level, via automatic time schedule and/or manual override.

Organizations and their respective responsibilities related to the interface are listed below.

Organisation	Responsibilities
Schneider Electric	<ul style="list-style-type: none"> • Supply, engineer and/or configure, install the IBAMS Interface Servers and interface to the Lighting Control Systems. • Maintain this interface plan. • Testing and commissioning of the IBAMS interfaces in coordination with lighting control system integrators.
Fredon	Part A lighting control system <ul style="list-style-type: none"> • Supply, engineer and/or configure, install the C-Bus BACnet interface and provision access to IBAMS. • Issue of accurate lighting group lists, points lists, equipment lists, IP addresses or relevant technical data to Schneider Electric to facilitate consumption utilization of data from the interface by IBAMS. • Testing and commissioning of each interface in coordination with Schneider Electric.
SDF	Part B1 lighting control system <ul style="list-style-type: none"> • Supply, engineer and/or configure, install the Dynalite BACnet interface and provision access to IBAMS. • Issue of accurate lighting group lists, points lists, equipment lists, IP addresses or relevant technical data to Schneider Electric to facilitate consumption utilization of data from the interface by IBAMS. • Testing and commissioning of each interface in coordination with Schneider Electric.
Perigon	Part B2 lighting control system <ul style="list-style-type: none"> • Supply, engineer and/or configure, install the Dynalite BACnet interface and provision access to IBAMS. • Issue of accurate lighting group lists, points lists, equipment lists, IP addresses or relevant technical data to Schneider Electric to facilitate consumption utilization of data from the interface by IBAMS. • Testing and commissioning of each interface in coordination with Schneider Electric.
SDF	Part C lighting control system <ul style="list-style-type: none"> • Supply, engineer and/or configure, install the zencontrol controller BACnet interface and provision access to IBAMS. • Issue of accurate lighting group lists, points lists, equipment lists, IP addresses or relevant technical data to Schneider Electric to facilitate consumption utilization of data from the interface by IBAMS. • Testing and commissioning of each interface in coordination with Schneider Electric.
Built	<ul style="list-style-type: none"> • Coordination of Part C trades.
Multiplex	<ul style="list-style-type: none"> • Coordination of trades associated with systems integrated with IBAMS.
TSEG	<ul style="list-style-type: none"> • Provision and configuration of compute and network infrastructure. • Routing and firewall policy as required for interface communication.

3.6 Change management

Any changes to the lighting control system interface, such as addition, update or deletion of HLI points or lighting groups, shall be communicated to Schneider Electric via the Queens Wharf Brisbane Aconex project as soon as practical. Where applicable, interface tests will be repeated, either partially or fully, upon changes to the interface.

3.7 Design status

At time of issue, the IBAMS integration with IRD Lighting Control Systems has reached the following design status.

ZONE	STATUS	REMARKS
IRD ICG Part A	100%	Fredon
IRD ICG Part B1	100%	SDF/Smartscape
IRD IT2 IT3 Part B2	100%	Perigon/Bluebottle
ICG Part C Lower Gaming	100%	SDF/iAutomation
Part C Upper Gaming	0%	SDF/iAutomation . Upper Gaming not started, awaiting advice from lighting control system integrator on lighting control design.
ISD	100%	
IT1 Dorset	N/A	Out of scope
IT1 Rosewood	N/A	Out of scope
Public Realm	N/A	Out of scope

4 System Architecture

4.1 Description of the interface

There are multiple lighting control systems in IRD. In principle, additional systems could be added and integrated into iBAMS following the same architecture and functional description. Generally, each lighting control system is comprised of controllers and DALI gateways. The system is networked to one or more gateways hosting a BACnet/IP interface. An iBAMS interface server located on the same VLAN integrates with the lighting control system BACnet/IP interface as a BACnet client. The IBAMS server monitors and control lighting through BACnet objects hosted on the lighting control system BACnet/IP interface.

4.1.1 Part A ICG Basement to ICG L01

The Lighting Control System in IRD Part A is a Clipsal C-Bus system by Fredon. The C-Bus system is primarily responsible for switching lighting circuit control relays with several additional DALI outputs. Each group is managed by a Schneider Electric SpaceLogic 5500NAC2 Network Automation Controller. Each Network Automation Controller is equipped with a BACnet/IP interface. An IBAMS Interface Server is located on the same VLAN as the Network Automation Controllers to avoid BBMDs. Network Automation Controller C-Bus data points are exported to its BACnet/IP interface to be consumed and commanded by the IBAMS Interface Server. Each Network Automation Controller is equipped with a web server for programming and configuration. An authorized IBAMS user can access the Network Automation Controller user interface via a URL redirect from the IBAMS web application.

4.1.2 Part B1 ICG Podium L0 to L07

The lighting control system in IRD Part B1 is a Zencontrol system by SDF Electrical. The field devices, including DALI sensors, ballasts and switches, are managed by Zencontrol DALI Application Controllers. All controllers are networked together and reside on the IRD-wide Lighting Control Systems network zone in the ICN. Each controller hosts a BACnet/IP interface. The zencontrol application controllers are integrated into Zencontrol Cloud, a cloud based lighting control system head end. An authorized IBAMS user can access the Zencontrol Cloud user interface via a URL redirect from the IBAMS web application.

4.1.3 Part B2 IT2 and IT3 Hotel Corridors and L23 Skydeck

The lighting control system in IRD Part B2 is a Phillips Dynalite system by Perigon. The field devices, including Dynalite controllers and DALI ballasts, are managed by two Dynalite Ethernet Gateways, one in IT2 and another in IT3: A PDDEG-S and a PDEB, which each reside on the IRD-wide Lighting Control Systems network zone in the ICN. The PDDEG-S interfaces with a Pharos Video Lighting Controller over the ICN to drive the façade feature lighting. The PDDEG-S also hosts a BACnet/IP interface, which an IBAMS Interface Server located on the same VLAN interfaces with.

4.1.4 Part C Lower Gaming and Upper Gaming

The Lighting Control System in IRD Part C is a Philips Dynalite system by SDF Electical. In addition to the IBAMS interface, this system is integrated with and controlled by the Q-SYS AV System for lighting in gaming areas, restaurants and entry wall panel scenes. The field devices, including Dynalite controllers and DALI ballasts, are managed by Dynalite Ethernet Gateways each of which reside on the IRD-wide Lighting Control Systems network zone in the ICN. A Dynalite DDNG-BACNET gateway also hosts a BACnet/IP interface, which an IBAMS Interface Server located on the same VLAN interfaces with.

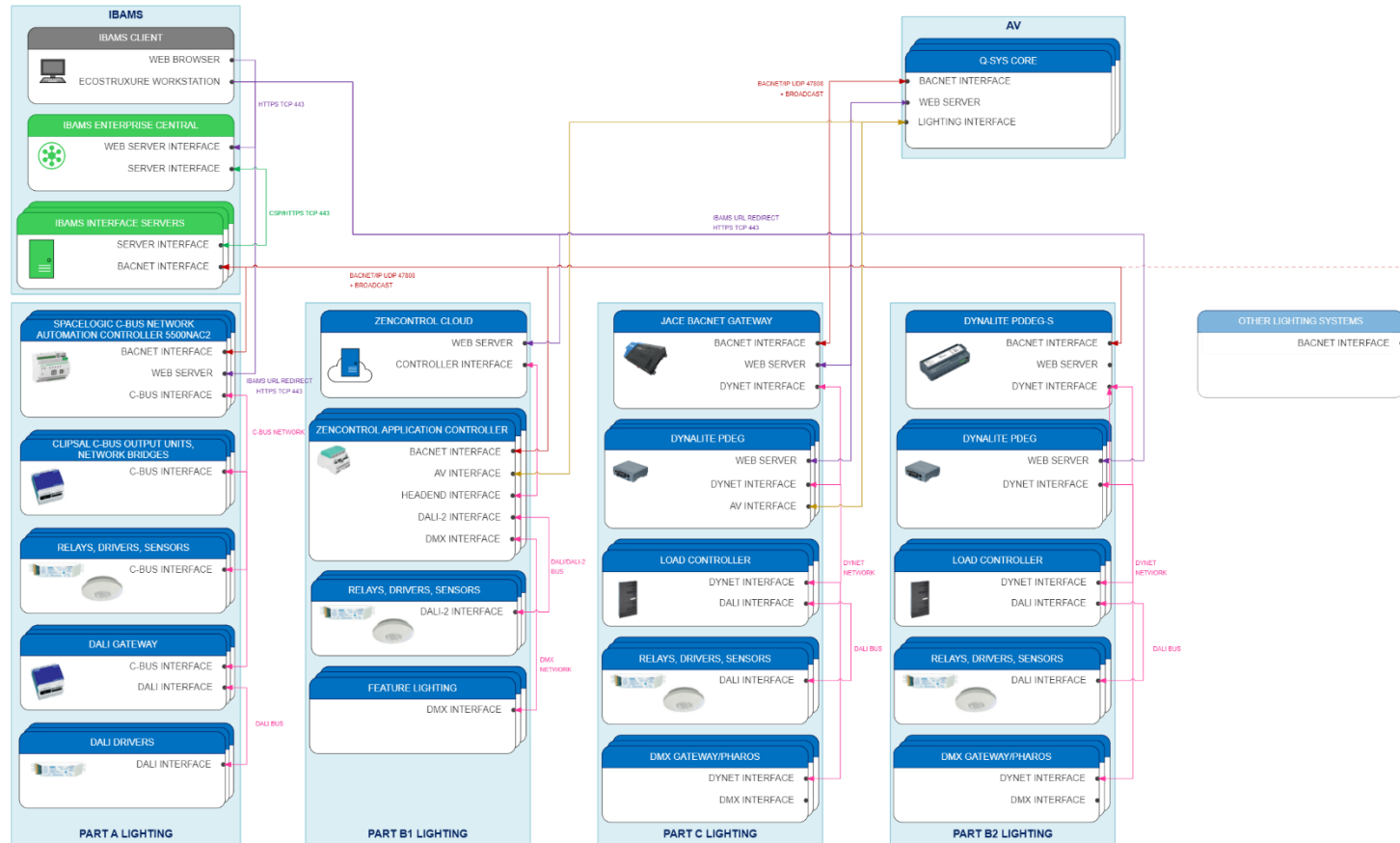
4.2 Browser-based client

Where supported by the lighting control system, the iBAMS web application shall provide a link to the lighting control system web application, enabling an authorised user to drill down into the system if advanced use is required, such as programming, commissioning, fault finding.

Lighting Control System	Web application
Part A	C-Bus NACs
Part B1	Zencontrol Cloud
Part B2, Part C	None

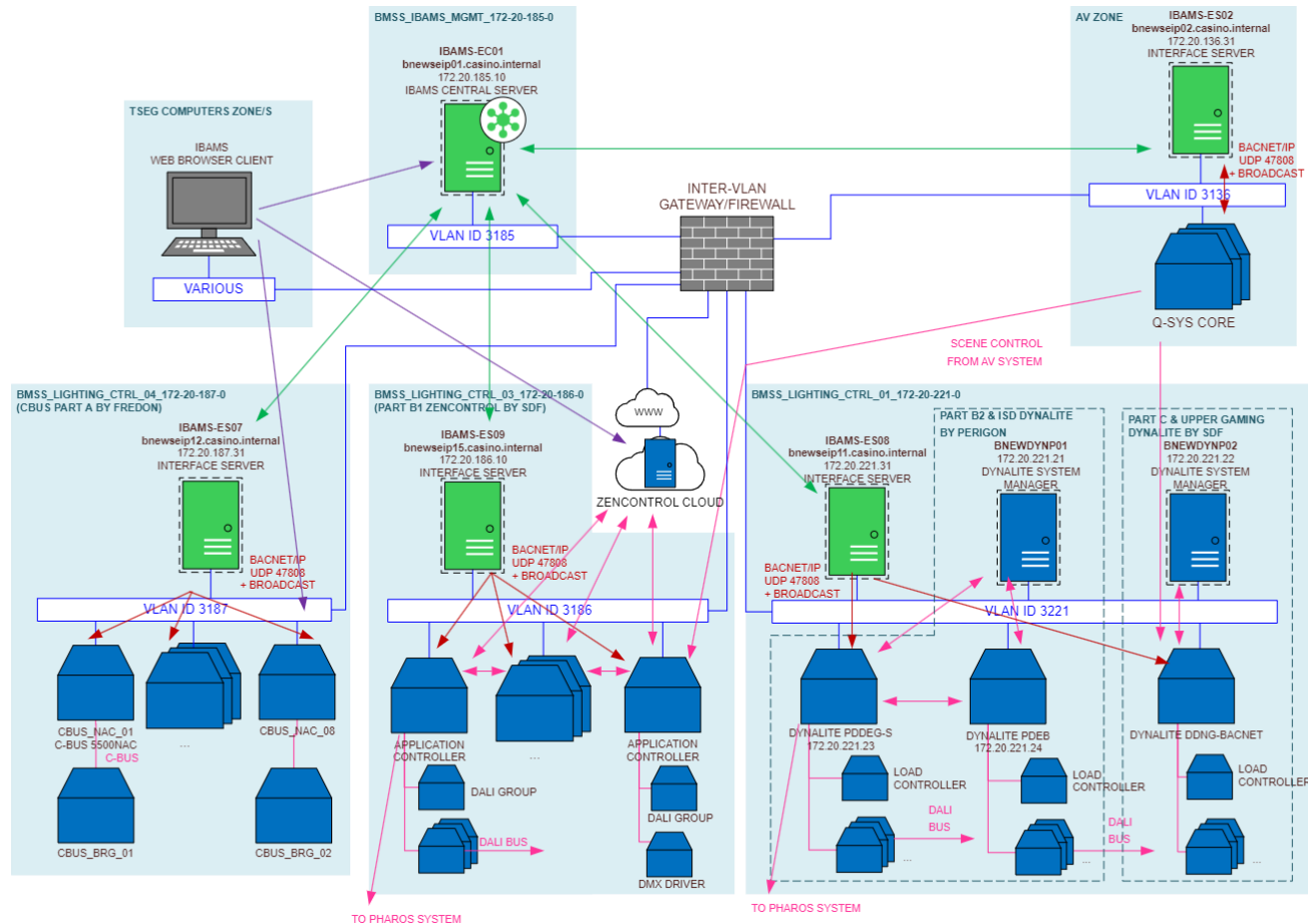
4.3 System architecture

Refer M-MPX-SCH-SDW-ICT-TF-IRD-71042 for detail drawing.



4.4 Network architecture

Refer M-MPX-SCH-SDW-ICT-TF-IRD-71042 for detail drawing.



4.5 Interface protocols

IBAMS Interface Servers communicate with each lighting control system gateway over BACnet/IP.

4.6 Interface applications and equipment

4.6.1 IBAMS Interface Server (EcoStruxure Building Operation Enterprise Server)

The Enterprise Server can run multiple control programs using a variety of protocols. It can manage alarms, users, schedules, and trend logs. Data from the Enterprise Server can be delivered directly to the user or to the EcoStruxure Enterprise Central, the IBAMS Central Server.

The Enterprise Server communicates directly to BACnet/IP networks. The Enterprise Server is BTL-listed as a BACnet Building Controller (B-BC), the most advanced BACnet device profile, and as a BACnet Operator Workstation (B-OWS). This capability provides access to the full range of BACnet devices from Schneider Electric and other vendors.

4.6.2 SpaceLogic C-Bus Network Automation Controller (5500NAC2)

The SpaceLogic C-Bus Network Automation Controller controls and manages C-Bus systems for buildings and integrates Building Management Systems. The Controller can act as a BACnet server only (not as a client). The Controller serves data which can be read by BACnet client devices (like IBAMS). BACnet client devices can write data to the server. This allows for a wide functional integration.

The Controller has been certified by BACnet Testing Laboratories (BTL) as a BACnet Application Specific Controller (B – ASC).

4.6.3 Zencontrol DALI Application Controller

The Zencontrol DALI Application Controller shall act as a BACnet server, hosting the lighting system data as BACnet objects, which the IBAMS Interface Server BACnet client can then read from or write to as required.

4.6.4 Philips Dynalite Ethernet Gateway – Supervisor (PDDEG-S)

The PDDEG-S is a gateway between Ethernet and Dynet devices and shall act as a BACnet server. It hosts the Dynalite lighting system data as BACnet objects, which the IBAMS Interface Server BACnet client can then read from or write to as required.

4.6.5 Philips Dynalite BACnet Gateway DDNG-BACNET

The DDNG-BACNET is a gateway between Ethernet and Dynet devices and shall act as a BACnet server. It hosts the Dynalite lighting system data as BACnet objects, which the IBAMS Interface Server BACnet client can then read from or write to as required.

5 Interface schedule

5.1 Part A C-Bus lighting control system

Total: 8 interfaces

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
B01_Zone1_NAC_130001	SpaceLogic C-Bus NAC	LSS5500NAC	Schneider Electric	Fredon	IBAMS-ES07	BACnet/IP	Device ID: 130001	3187	172.20.187.101
B01_Zone2_NAC_130002	SpaceLogic C-Bus NAC	LSS5500NAC	Schneider Electric	Fredon	IBAMS-ES07	BACnet/IP	Device ID: 130002	3187	172.20.187.102
B01_Zone3_NAC_130003	SpaceLogic C-Bus NAC	LSS5500NAC	Schneider Electric	Fredon	IBAMS-ES07	BACnet/IP	Device ID: 130003	3187	172.20.187.103
B01_Zone4_NAC_130004	SpaceLogic C-Bus NAC	LSS5500NAC	Schneider Electric	Fredon	IBAMS-ES07	BACnet/IP	Device ID: 130004	3187	172.20.187.104
L00_Zone1_NAC_130005	SpaceLogic C-Bus NAC	LSS5500NAC	Schneider Electric	Fredon	IBAMS-ES07	BACnet/IP	Device ID: 130005	3187	172.20.187.105
L00_Zone2_NAC_130006	SpaceLogic C-Bus NAC	LSS5500NAC	Schneider Electric	Fredon	IBAMS-ES07	BACnet/IP	Device ID: 130006	3187	172.20.187.106
L00_Zone3_NAC_130007	SpaceLogic C-Bus NAC	LSS5500NAC	Schneider Electric	Fredon	IBAMS-ES07	BACnet/IP	Device ID: 130007	3187	172.20.187.107
L00_Zone4_NAC_130008	SpaceLogic C-Bus NAC	LSS5500NAC	Schneider Electric	Fredon	IBAMS-ES07	BACnet/IP	Device ID: 130008	3187	172.20.187.108

5.2 Part B2 and Part C Dynalite lighting control system

Total: 2 interfaces

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
Interact_BACnet_IP_Gateway	Dynalite Ethernet Gateway	PDDEG-S	Dynalite	Perigon	IBAMS-ES08	BACnet/IP	Device ID: 190001	3221	172.20.221.23
QW_Dynalite_StationTemplate_V8_210001	Philips Dynalite DDNG-BACnet	DDNG-BACnet	Dynalite	SDF (Part C Team)	IBAMS-ES08	BACnet/IP	Device ID: 210001	3221	172.20.221.60

5.3 Part B1 zencontrol lighting control system

Total: 103 interfaces

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
zencontrol AC PRO - Level 00 - CDB-ICG-L00-02-1 DALI Zone 5 - 250001	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250001	3186	172.20.186.101
zencontrol AC PRO - Level 01 - CDB-ICG-L01-02-1 DALI Zone 6 - 250002	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250002	3186	172.20.186.64
zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-1 DALI Zone 7%2A - 250003	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250003	3186	172.20.186.104
zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-10 DALI Zone 54M - 2500011	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 2500011	3186	172.20.186.106

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-11 DALI Zone 55M%2A - 2500012	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 2500012	3186	172.20.186.113
zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-2 DALI Zone 8 - 250004	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250004	3186	172.20.186.111
zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-4 DALI Zone 32 - 250006	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250006	3186	172.20.186.109
zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-5 DALI Zone 33 - 250007	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250007	3186	172.20.186.112
zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-6 DALI Zone 34 - 250008	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250008	3186	172.20.186.110
zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-7 DALI Zone 45 - 250009	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250009	3186	172.20.186.108
zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-9 DALI Zone 53 M - 2500010	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 2500010	3186	172.20.186.103
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-1 DALI Zone 9%2A - 250014	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250014	3186	172.20.186.37
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-10 DALI Zone 37 - 250022	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250022	3186	172.20.186.75
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-11 DALI Zone 38 - 250023	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250023	3186	172.20.186.50

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-12 DALI Zone 39 - 250024	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250024	3186	172.20.186.72
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-13 DALI Zone 40 - 250025	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 2500Device ID: 25	3186	172.20.186.76
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-2 DALI Zone 10 - 250015	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250015	3186	172.20.186.97
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-3 DALI Zone 11 - 250016	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250016	3186	172.20.186.74
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-4 DALI Zone 12 - 250017	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250017	3186	172.20.186.78
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-5 DALI Zone 13 - 250018	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250018	3186	172.20.186.79
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-6 DALI Zone 25%2A - 250019	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250019	3186	172.20.186.80
zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-7 DALI Zone 26 - 250020	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250020	3186	172.20.186.73
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-1 DALI Zone 14 - 250026	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250026	3186	172.20.186.47
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-10 DALI Zone 41%2A - 250035	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250035	3186	172.20.186.62
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-11 DALI Zone 42 - 250036	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250036	3186	172.20.186.81

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-2 DALI Zone 15 - 250027	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250027	3186	172.20.186.34
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-3 DALI Zone 16 - 250028	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250028	3186	172.20.186.82
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-4 DALI Zone 17 - 250029	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250029	3186	172.20.186.48
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-5 DALI Zone 18 - 250030	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250030	3186	172.20.186.57
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-6 DALI Zone 19 - 250031	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250031	3186	172.20.186.42
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-7 DALI Zone 20 - 250032	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250032	3186	172.20.186.45
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-8 DALI Zone 29 - 250033	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250033	3186	172.20.186.63
zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-9 DALI Zone 30 - 250034	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250034	3186	172.20.186.70
zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-1 DALI Zone 21 - 250038	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250038	3186	172.20.186.55
zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-1 DALI Zone 43 - 250039	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250039	3186	172.20.186.56
zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-2 DALI Zone 22 - 250040	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250040	3186	172.20.186.27

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-3 DALI Zone 23 - 250041	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250041	3186	172.20.186.49
zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-4 DALI Zone 31 - 250042	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250042	3186	172.20.186.61
zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-5 DALI Zone 35 - 250043	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250043	3186	172.20.186.65
zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-6 DALI Zone 36 - 250044	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250044	3186	172.20.186.59
zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-7 DALI Zone 44 - 250045	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250045	3186	172.20.186.66
zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-1 DALI Zone 49 - 250055	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250055	3186	172.20.186.43
zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-2 DALI Zone 50 - 250056	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250056	3186	172.20.186.38
zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-3 DALI Zone 51 - 250057	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250057	3186	172.20.186.58
zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-4 DALI Zone 59 M - 250058	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250058	3186	172.20.186.54
zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-5 DALI Zone 60 M - 250059	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250059	3186	172.20.186.53
zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-6 DALI Zone 47 - 250060	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250060	3186	172.20.186.102

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-7 DALI Zone 62 M - 250061	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250061	3186	172.20.186.44
zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-8 DALI Zone 62A M - 250063	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250063	3186	172.20.186.88
zencontrol AC PRO - Level 04 - CDB-ICG-L04-03-1 DALI Zone 46 - 250064	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250064	3186	172.20.186.32
zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-1 DALI Zone 47 - 250047	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250047	3186	172.20.186.115
zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-2 DALI Zone 48 - 250048	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250048	3186	172.20.186.86
zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-3 DALI Zone 52 M - 250049	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250049	3186	172.20.186.85
zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-4 DALI Zone 56 M - 250050	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250050	3186	172.20.186.116
zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-5 DALI Zone 57 M - 250051	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250051	3186	172.20.186.51
zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-6 DALI Zone 58 M - 250052	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250052	3186	172.20.186.33
zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-7 DALI Zone 119 M - 250053	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250053	3186	172.20.186.31
zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-8 DALI Zone 118 M%2A%2A%2A - 250054	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250054	3186	172.20.186.52

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
zencontrol AC PRO - Level 04M - CDB-ICG-L04-03-3 DALI Zone 63 M - 250065	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250065	3186	172.20.186.28
zencontrol AC PRO - Level 04M - CDB-ICG-L04-03-4 DALI Zone 64 M - 250066	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250066	3186	172.20.186.35
zencontrol AC PRO - Level 05 - CDB-ICG-L05-01 DMX PRINTER - 250069	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250069	3186	172.20.186.40
zencontrol AC PRO - Level 05 - CDB-ICG-L05-01-01 DALI Zone 65 - 3628543	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	3628543	3186	172.20.186.36
zencontrol AC PRO - Level 05 - CDB-ICG-L05-02-1 DALI Zone 67 - 250070	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250070	3186	172.20.186.24
zencontrol AC PRO - Level 05 - CDB-ICG-L05-03-01 DALI Zone 120 - 250071	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250071	3186	172.20.186.23
zencontrol AC PRO - Level 05 - CDB-ICG-L05-04-1 DALI Zone 121 - 250072	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250072	3186	172.20.186.25
zencontrol AC PRO - Level 05M - CDB-ICG-L05M-01-1 DALI Zone 122 M - 250073	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250073	3186	172.20.186.39
zencontrol AC PRO - Level 05M - CDB-ICG-L05M-02-1 DALI Zone 123 M - 250074	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250074	3186	172.20.186.26
zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-1 DALI Zone 68 M - 250075	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250075	3186	172.20.186.21
zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-2 DALI Zone 69 M - 250076	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250076	3186	172.20.186.71
zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-3	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250077	3186	172.20.186.30

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
DALI Zone 70 M DMX - 250077									
zencontrol AC PRO - Level 05M - CDB-ICG-L05M-04-1 DALI Zone 117 - 250078	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250078	3186	172.20.186.41
zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-1 DALI Zone 1 - 250079	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250079	3186	172.20.186.207
zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-2 DALI Zone 2 - 250080	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250080	3186	172.20.186.208
zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-3 DALI Zone 3 - 250081	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250081	3186	172.20.186.209
zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-4 DALI Zone 4 - 250082	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250082	3186	172.20.186.210
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-1 DALI Zone 71 - 250083	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250083	3186	172.20.186.211
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-10 DALI Zone 80 - 250092	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250092	3186	172.20.186.69
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-11 DALI Zone 81 - 250093	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250093	3186	172.20.186.90
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-12 DALI Zone 83 - 250094	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250094	3186	172.20.186.91
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-13 DALI Zone 84 - 250095	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250095	3186	172.20.186.46
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-14 DALI Zone 82 - 250096	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250096	3186	172.20.186.93

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-2 DALI Zone 72 - 250084	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250084	3186	172.20.186.212
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-3 DALI Zone 73 - 250085	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250085	3186	172.20.186.87
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-4 DALI Zone 74 - 250086	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250086	3186	172.20.186.213
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-5 DALI Zone 75 - 250087	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250087	3186	172.20.186.89
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-6 DALI Zone 76 - 250088	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250088	3186	172.20.186.214
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-7 DALI Zone 77 - 250089	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250089	3186	172.20.186.68
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-8 DALI Zone 78 - 250090	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250090	3186	172.20.186.94
zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-9 DALI Zone 79 - 250091	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250091	3186	172.20.186.60
zencontrol AC PRO - Level 06 - CDB-ICG-L06-02-1 DALI Zone 124 - 250097	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250097	3186	172.20.186.22
zencontrol AC PRO - Level 06 - CDB-ICG-L06-03-1 DALI Zone 85 - 250098	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250098	3186	172.20.186.29
zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-1 DALI Zone 86 - 250100	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250100	3186	172.20.186.98

Hostname	Description	Application Name	Application Publisher	System Integrator	IBAMS Interface Server	Protocol	Protocol Address	Vlan Id	Private IP Address 1
zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-2 DALI Zone 87 - 250101	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250101	3186	172.20.186.96
zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-3 DALI Zone 88 - 250102	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250102	3186	172.20.186.92
zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-4 DALI Zone 89 - 250103	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250103	3186	172.20.186.95
zencontrol AC PRO - Level 07 - CDB-ICG-L07-01-1 DALI Zone 90 - 250104	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250104	3186	172.20.186.107
zencontrol AC PRO - Level 07 - CDB-ICG-L07-01-2 DALI Zone 91 - 250105	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250105	3186	172.20.186.84
zencontrol AC PRO - Level 07 - CDB-ICG-L07-01-3 DALI Zone 102 - 250106	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	Device ID: 250106	3186	172.20.186.100
zencontrol AC PRO - Level 07 - CDB-ICG-L07-01-4 DALI Zone 96 M - 3876761	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	TBC	3186	172.20.186.99
zencontrol AC PRO - Level 07 - CDB-ICG-L07-04-1 DALI Zone 100 - 4023813	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	TBC	3186	172.20.186.117
zencontrol AC PRO - Level 07 - CDB-ICG-L07-04-2 DALI Zone 101 - 3512541	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	TBC	3186	172.20.186.119
zencontrol AC PRO - Level 07 - CDB-ICG-L07-04-3 DALI Zone 116 - 3745854	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	TBC	3186	172.20.186.121
zencontrol AC PRO - Level 07 - CDB-ICG-L07-04-4 DALI Zone 111 - 1354821	zencontrol AC PRO application controller	zencontrol AC PRO	Zencontrol	SDF	IBAMS-ES09	BACnet/IP	TBC	3186	172.20.186.120

6 Communication schedule - Firewall Rules

LIGHTING CONTROL SYSTEM	SOURCE HOST	SOURCE HOSTNAME (IF APPLICABLE)	DESTINATION HOST	DESTINATION HOSTNAME (IF APPLICABLE)	SOURCE PORT	DESTINATION PORT	IP PROTOCOL	APPLICATION PROTOCOL	ENCRYPTION
Part A	*ANY IBAMS CLIENT		*ANY LIGHTING CONTROLLER		ANY	443	TCP	HTTPS	TLS 1.2
Part A	*ANY LIGHTING CONTROLLER		IBAMS-ES07	BNEWSEIP12	ANY	47808	UDP	BACNET/IP	NONE
Part A	*ANY LIGHTING CONTROLLER		BROADCAST (LOCAL SUBNET)		ANY	47808	UDP	BACNET/IP	NONE
Part A	IBAMS-ES07	BNEWSEIP12	*ANY LIGHTING CONTROLLER		ANY	47808	UDP	BACNET/IP	NONE
Part A	IBAMS-ES07	BNEWSEIP12	BROADCAST (LOCAL SUBNET)		ANY	47808	UDP	BACNET/IP	NONE
Part B1	*ANY IBAMS CLIENT		ZENCONTROL CLOUD	cloud.zencontrol.com	ANY	443	TCP	HTTPS	TLS 1.2
Part B1	*ANY ZENCONTROL CONTROLLER		IBAMS-ES09	BNEWSEIP15	ANY	47808	UDP	BACNET/IP	NONE
Part B1	IBAMS-ES09	BNEWSEIP15	*ANY ZENCONTROL CONTROLLER		ANY	47808	UDP	BACNET/IP	NONE
Part B1	IBAMS-ES09	BNEWSEIP15	BROADCAST (LOCAL SUBNET)		ANY	47808	UDP	BACNET/IP	NONE
Part B2	IBAMS-ES08	BNEWSEIP11	PDDEG-S		ANY	47808	UDP	BACNET/IP	NONE

LIGHTING CONTROL SYSTEM	SOURCE HOST	SOURCE HOSTNAME (IF APPLICABLE)	DESTINATION HOST	DESTINATION HOSTNAME (IF APPLICABLE)	SOURCE PORT	DESTINATION PORT	IP PROTOCOL	APPLICATION PROTOCOL	ENCRYPTION
Part B2	IBAMS-ES08	BNEWSEIP11	BROADCAST (LOCAL SUBNET)		ANY	47808	UDP	BACNET/IP	NONE
Part B2	PDDEG-S		IBAMS-ES08	BNEWSEIP11	ANY	47808	UDP	BACNET/IP	NONE
Part C	DDNG-BACNET		IBAMS-ES08	BNEWSEIP11	ANY	47808	UDP	BACNET/IP	NONE
Part C	IBAMS-ES08	BNEWSEIP11	DDNG-BACNET		ANY	47808	UDP	BACNET/IP	NONE
Part C	IBAMS-ES08	BNEWSEIP11	BROADCAST (LOCAL SUBNET)		ANY	47808	UDP	BACNET/IP	NONE

7 Data exchange

7.1 Lighting Zone

Brick Class

brick:Lighting_Zone

Lighting control system vendors use differing nomenclature when referring to lighting zones (areas, zones, groups, switching groups, trigger groups). Irrespective of the differing nomenclature, for clarity, this document defines a **lighting zone** as the following:








A lighting zone is a space or group of spaces within a building for which the requirements are sufficiently similar that desired light conditions can be maintained throughout by a single controlling device. A lighting zone provides a common control point for output devices (DALI channels, individual fittings) and where applicable, a common occupancy status determined from one or more occupancy sensors in the lighting zone.

In this document, a lighting zone refers to a functional lighting zone (eg corridor lighting) and does not include feature lighting, such as the Pharos façade lighting. [Feature lighting is defined separately.](#)

Where appropriate, common lighting channels or zones may also be grouped into a master trigger lighting zone, defined by the lighting control system integrator, for example:

Lighting Zone (C-Bus Master Trigger Group)	Channel name
ICG Level 0 Zone 3 BOH Corridors	L00_Z03_D01_GA03 - Corridor (0.56.103)
	L00_Z03_D01_GA04 - BOH Cor (0.56.104)
	L00_Z03_D01_GB01 - Corridor (0.56.106)
	L00_Z03_D01_GB02 - BOH Cor (0.56.107)
	L00_Z03_D01_GB04 - BOH Cor (0.56.109)
	L00_Z03_D01_GB06 - BOH Cor (0.56.111)
	L01_Z03_D01_GA01 - BOH Cor (239.57.101)
	L01_Z03_D01_GA02 - BOH Cor (239.57.102)
	L01_Z03_D01_GA03 - BOH Cor (239.57.103)
	L00_Z03_D01_GA03 - Corridor (0.56.103)

7.1.1 Lighting Zone Control Types

Control Type	iBAMS UI Icon	Description	iBAMS time schedule	iBAMS manual override
Time schedule (basic relay)		Non-dimmable relay switched light fittings- on/off control- eg basement carpark. iBAMS time schedule ON 24/7.	YES	YES
Time schedule		Automatic scene control from iBAMS time schedule.	YES	YES
Master Trigger Group		Same as “time scheduled” but is a virtual group in the lighting control system, comprised of a collection of smaller, logically similar lighting zones/groups with identical scene control requirements. The underlying lighting zones/groups are not individually represented on iBAMS.	YES	YES
Local sensor only		Lighting on/off control provided by local occupancy sensor/s. iBAMS monitor only.	NO	NO
Time schedule + local sensor		Lighting on/off control provided by local occupancy sensor/s but light levels whilst on provided by automatic scene control from iBAMS time schedule.	YES	YES
AV system controlled		Lighting scene control is provided by AV system local touch panel. iBAMS monitor only.	NO	NO
AV system controlled + local sensor		Lighting scene control is provided by AV system local touch panel in conjunction with on/off control provided by local occupancy sensor/s. iBAMS monitor only.	NO	NO

Note the control types:

- Time scheduled (basic relay)
- Time scheduled
- Master Trigger Group

Are effectively identical from iBAMS monitoring and control perspective but have been separated out for information about the lighting zones configuration in the underlying lighting control system.

7.1.2 Scene control

Lighting zones are controlled via scenes in each of the IRD lighting control systems. Scenes are defined and programmed independently of iBAMS within each individual lighting control system. Each lighting control system exposes a single scene control BACnet object for each lighting zone on its BACnet interface.



Figure 1: zencontrol scene control BACnet points

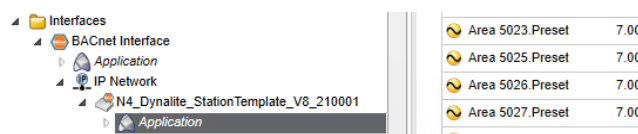


Figure 2: Dynalite (Part C Lower Gaming) scene control BACnet points

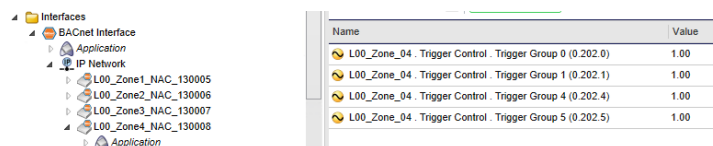


Figure 3: C-Bus scene control BACnet points

iBAMS monitors the current scene of the lighting zone reported by the lighting control system by monitoring either the same BACnet object or in the case of C-Bus, a second Scene Status BACnet object.

iBAMS is generally unaware of and unable to change the specific lighting levels that correspond to each scene. Light levels are programmed within each lighting control system and the responsibility of the lighting control system integrator.

7.1.2.1 IRD-wide standardised scene control

The following standard preset scene values are required for each lighting zone. For consistency, this standard should be followed across all IRD lighting control systems. In instances where particular scenes are not applicable, eg [non-dimmable relay lighting channels](#), any not-applicable scene values shall be omitted from programming but the standard preset scene numbering should remain unchanged. For example, ON/DAYTIME is always 1, OFF is always 4.

VALUE	DESCRIPTION
1	ON/DAY/AUTO/DEFAULT
2	EVENING (if applicable)
3	NIGHT (if applicable)
4	OFF
5	LOAD SHED
6	LATE NIGHT (if applicable)
7	WEE HOURS (if applicable)
8	CLEANING (if applicable)
9	AFTERNOON (if applicable)
10-16	Not in use, freely programmable in the future.

The remaining available values, 10-16 (or the maximum supported by the hosting lighting control system) are spare for non-standard scenes and can be programmed on the local lighting control system in the future if required.

7.1.2.2 Non-dimmable relay lighting channels

Several IRD lighting zones, such as carpark lighting, are equipped with relay control (on/off) only, rather than dimmable lighting logic. The same zone scene control standard applies, however, only a limited subset of scenes shall be in use, ie:

VALUE	DESCRIPTION
1	ON
4	OFF
5	LOAD SHED

7.1.2.3 Hierarchy of control

There is no command prioritization on the lighting control system. The BACnet command priority array is not utilized on the BACnet interface of each lighting control system. The current scene will be equal to the most recently commanded value, regardless of the origin, which may be driven by an event in the local controller, a value set by IBAMS or a third party integration, such as AV control.

7.1.2.4 Load shed

For lighting control systems that monitor load shed signals from the iPMS, if the iPMS transmits a load shed signal to the lighting distribution board, the lighting control system shall set the current scene of any affected lighting zones to 5: LOAD SHED. While in a load shed state, the lighting control system should ignore any other scene or light level control (ie from iBAMS or elsewhere).

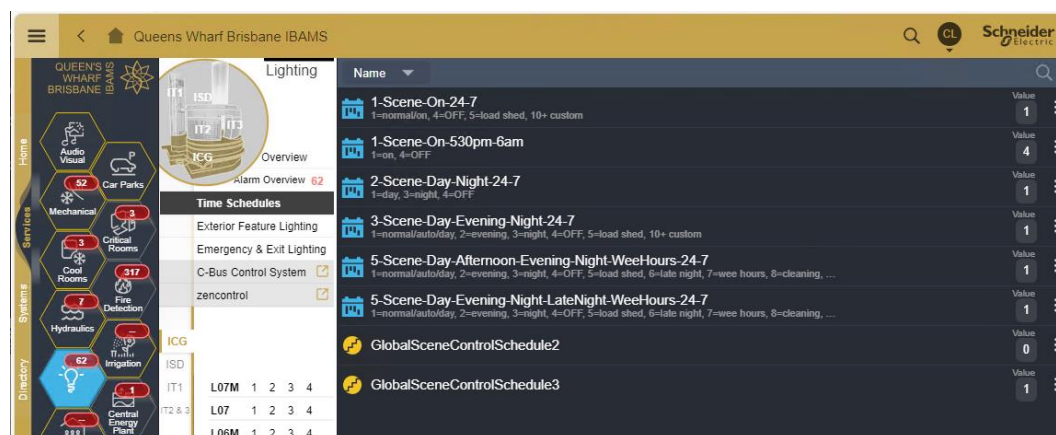
The load shed state scene state is displayed for each lighting zone in iBAMS.

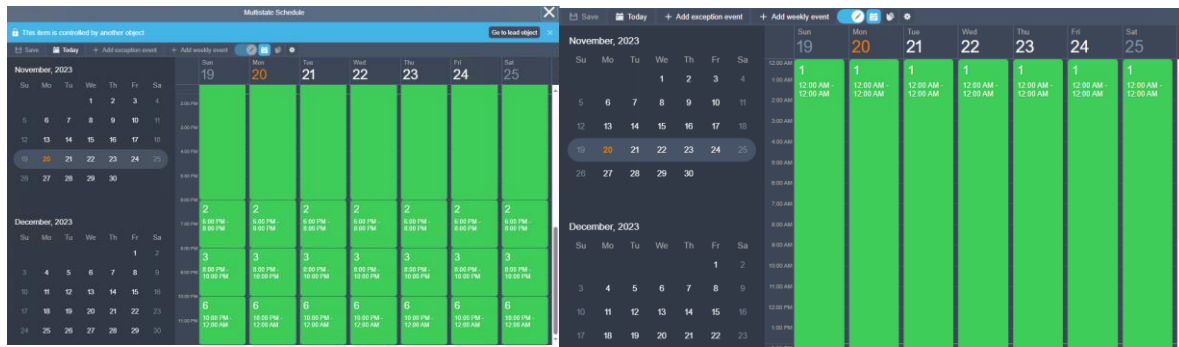


7.1.2.5 Time schedules

For several lighting zones, the scene shall be automatically controlled by a multistate time schedule, hosted on iBAMS.

A lighting zone time schedule will typically be a shadow object in a lead and shadow relationship with one of several master time schedules. A lead and shadow relationship allows schedule events to be synchronized across multiple lighting zones. The lead time schedules are accessible on the iBAMS user interface and are adjustable.





The current iBAMS lighting control time schedules, which have generally been stipulated by the respective lighting control system integrator. These can be adjusted as required by the user:

Time	1-Scene On 24/7	3-Scene Day/ Evening/ Night 24/7	5-Scene Day/ Evening/ Night/ Late Night/ Wee Hours 24/7	2-Scene Day/ Night 24/7	1-Scene On 5:30pm-6am Skydeck Eyebrow	5-Scene Day/ Afternoon/ Evening/ Night/ Wee Hours 24/7	1-Scene Grow-Lights-On-6am-6pm
0600-1630	1 ON	1 DAY	1 DAY	1 DAY	4 OFF	1 DAY	4 OFF
1630-1730	1 ON	1 DAY	1 DAY	1 DAY	4 OFF	9 AFTERNOON	1 DAY
1730-1800	1 ON	1 DAY	1 DAY	3 NIGHT	1 ON	9 AFTERNOON	1 DAY
1800-1900	1 ON	2 EVENING	2 EVENING	3 NIGHT	1 ON	2 EVENING	4 OFF
1900-2200	1 ON	3 NIGHT	3 NIGHT	3 NIGHT	1 ON	3 NIGHT	4 OFF
2200-0000	1 ON	3 NIGHT	6 LATE NIGHT	3 NIGHT	1 ON	3 NIGHT	4 OFF
0000-0600	1 ON	3 NIGHT	7 WEE HOURS	3 NIGHT	1 ON	7 WEE HOURS	4 OFF
Used by	Part A carparks, relay circuits per schedule by Fredon	Part A DALI groups per schedule by Fredon Part B2 hotel corridor DALI groups per schedule by Perigon	Part C lower gaming DALI groups per schedule by SDF	Skydeck DALI groups per schedule by Perigon	Skydeck Eyebrow lighting per schedule by Perigon	Part B1 DALI groups per schedule by SDF	Part B1 L04/L04M Grow Lights

7.1.2.6 Manual override

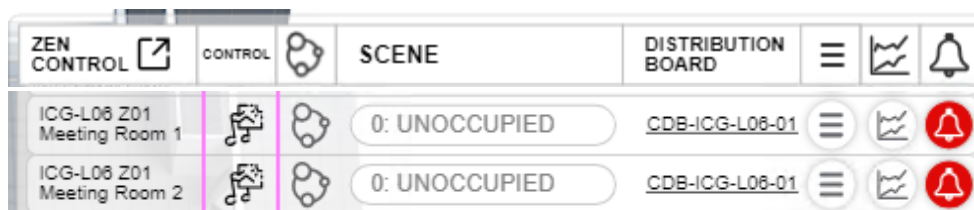
A lighting zone scene can be manually overridden from the iBAMS user interface. A forced scene can be visually identified on iBAMS as having a yellow border and a yellow “relinquish” (arrow) button. To relinquish control back to automatic control, click on the “relinquish” arrow.



7.1.2.7 Q-SYS AV Control

Several underlying lighting control systems are also integrated with the Q-SYS Audio/Video control system. Several lighting zones, for example L05 Cherry Bar, are controlled from AV Touch Panels. To prevent interruption to local AV Touch Panel lighting control, iBAMS monitors AV-controlled lighting zones but provides no control.

The AV-controlled lighting zones are represented graphically on iBAMS with an AV icon in place of the iBAMS time schedule:



The current scene of a lighting zone is set to the last commanded value (from any origin). An authorized user can [manually override](#) an AV-controlled scene from iBAMS but the scene may subsequently be overwritten at any point by the AV system.

7.1.3 Light levels

iBAMS monitoring and control of lighting is intended to be achieved primarily through lighting zone scenes. However, some of the integrated lighting control systems expose the light levels of the lighting zones on the BACnet interface. If available, these may be viewed from the iBAMS user interface. Manually overriding the light levels of an individual channel from iBAMS is not recommended. Use the scene control instead. If the commissioned light levels for a given scene are not fit for purpose, the light levels must be tuned on the respective lighting control system, not iBAMS.

Object Name	Value	Force
Area 5059 Channel_Level_1	100	Force
BACnet Analog Value (Generic)	100	Force
Area 5059 Channel_Level_2	100	Force
BACnet Analog Value (Generic)	100	Force
Area 5059 Channel_Level_3	76	Force
BACnet Analog Value (Generic)	76	Force
Area 5059 Channel_Level_6	61	Force
BACnet Analog Value (Generic)	61	Force
Area 5059 Channel_Level_4	31	Force
BACnet Analog Value (Generic)	31	Force
Area 5059 Channel_Level_7	82	Force
BACnet Analog Value (Generic)	82	Force
Area 5059 Channel_Level_5	41	Force
BACnet Analog Value (Generic)	41	Force
Area 5059 Channel_Level_9	51	Force
BACnet Analog Value (Generic)	51	Force
Area 5059 Channel_Level_8	92	Force
BACnet Analog Value (Generic)	92	Force

7.1.4 Lighting zone list

Refer to [Lighting Zone Schedule](#). Quantities summarised below:

Lighting Zone Type	Part A	Part B1	Part B2	Part C	Total
time schedule	18	28	22	62	130
master trigger group	0	14	0	0	14
basic relay	25	0	0	0	25
local sensor only	21	93	0	51	165
time schedule + local sensor	0	22	0	0	22
AV system controlled + local sensor	0	28	0	0	28
AV system controlled	0	0	0	12	12
Total	64	185	22	125	396

7.1.5 Points list

POINT NAME	DESCRIPTION	BRICK CLASS	OBJECT TYPE	READ/ WRITE	TREND LOG
LoadShedSts	normal power unavailable to lighting control circuits Note: only available in lighting zones where iPMS load shed status is monitored by lighting control system	brick:Load_Shed_Status	digital	R	YES
LtLvIActvScn	lighting group/zone active scene (BACnet Present Value), read from lighting control system	brick:Level_Status	multistate	R	YES
LtLvIScnCmd	lighting group/zone scene command, written to lighting control system (BACnet PV) Note: not available on iBAMS monitor only lighting zones	brick:Lighting_Level_Command	multistate	W	YES
LtSts	lighting status, on if scene not equal 4 (OFF) OR 0 (UNOCCUPIED) or if any light level > 0%	brick:On_Status	digital	R	YES
OccSts	occupancy signal from lighting control system Note: only available in lighting zones with local occupancy sensor	brick:Occupancy_Status	digital	R	YES
Total	5				

7.1.6 Alarms and faults

Where available on the integrated lighting control system, alarms and faults are grouped in iBAMS into common alarms per lighting zone. The specific types faults and alarms available varies between the underlying lighting control systems, but generally, the following types of alarms are grouped into common Sum Alarms per lighting zone:

1. Fittings and ballasts faults/failures
2. Power failures
3. Communication failures

ICG-L06 Alarm View			
Standard ▼	🔍	👤	🔧
3	G9_L06_Z04_BOH_Corridor3 - DALI communicati... /iBAMS-ES09/.../Alarms/DALI Comms Failure (1) 14 days ago	Source name DALI Comms Failure Timestamp 02/09/2024 11:43:11 AM	Category Lighting
3	G8_L06_Z04_Vehicle_Entry - DALI communicatio... /iBAMS-ES09/.../Alarms/DALI Comms Failure (1) 14 days ago	Source name DALI Comms Failure Timestamp 02/09/2024 11:43:11 AM	Category Lighting
3	G4_L06_Z01_Lift_Lobby_2 - DALI lamp failures in... /iBAMS-ES09/.../Alarms/Lamp Failures (1) 14 days ago	Source name Lamp Failures Timestamp 29/08/2024 11:33:21 AM	Category Lighting

7.1.6.1 C-Bus lighting group alarms

NAME	BRICK TYPE	ALARM PRIORITY	ALARM CATEGORY
Ballast Failure Sum Alarm	brick:Failure_Alarm	3	Lighting
Controller Comms Failure	brick:Communication_Loss_Alarm	3	Lighting
Emergency Failure Sum Alarm	brick:Failure_Alarm	3	Lighting
Lamp Failure Sum Alarm	brick:Failure_Alarm	3	Lighting
Power Failure Sum Alarm	brick:Power_Alarm	3	Lighting
Ballast Missing Sum Alarm	brick:Failure_Alarm	3	Lighting
Total	6		

7.1.6.2 Zencontrol lighting group alarms

NAME	BRICK CLASS	ALARM PRIORITY	ALARM CATEGORY
Common DALI Comms Failure	brick:Communication_Loss_Alarm	3	Lighting
Common Gear Failures	brick:Failure_Alarm	3	Lighting
Common Lamp Failures	brick:Failure_Alarm	3	Lighting
Controller Comms Failure	brick:Communication_Loss_Alarm	3	Lighting
Total	4		

7.1.6.3 Part B2 Dynalite lighting area alarms

NAME	BRICK TYPE	ALARM PRIORITY	ALARM CATEGORY
Comms Unreliable Alarm	brick:Communication_Loss_Alarm	3	Lighting
Lamp Failures	brick:Failure_Alarm	3	Lighting
Driver Failures	brick:Failure_Alarm	3	Lighting
Total	3		

7.1.6.4 Part C Dynalite lighting area alarms

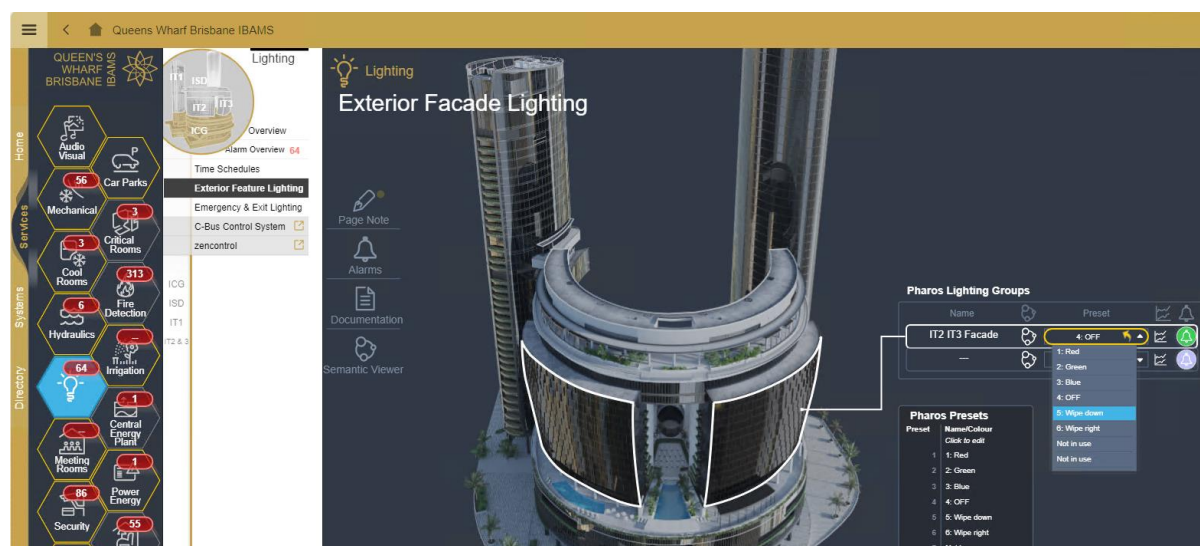
NAME	BRICK TYPE	ALARM PRIORITY	ALARM CATEGORY
Comms Unreliable Alarm	brick:Communication_Loss_Alarm	3	Lighting
Unreliable Warning Alarm		3	Lighting
Lamp Failures	brick:Failure_Alarm	3	Lighting
Total	3		

7.2 Feature Lighting Zone

Brick Class

brick:Lighting_Zone

Several IRD lighting control systems integrate with Pharos VLCs to control feature lighting, such as the façade lighting of IT2 and IT3. The façade lighting is controlled by preset lighting shows, which are pre-programmed in the Pharos system. The feature lighting zone Pharos show is exposed on the lighting control system BACnet interface as a BACnet object. The lighting control system does not report the active lighting show preset on the BACnet interface in the same way other lighting zone scenes are reported. However, an authorised user may manually command the current show from the iBAMS user interface in the same way they may manually override a lighting zone scene.



7.2.1 Preset control

The following values are defined for feature lighting shows. The specific configuration of each show is programmed in Pharos but the assigned name of each show can be easily manually entered into iBAMS once they are determined, to align with the Pharos system.

VALUE	TYPICAL	IT2 IT3 FAÇADE	SKYDECK EYEBROW
1	Show 1	RED	YELLOW
2	Show 2	GREEN	WHITE
3	Show 3	BLUE	Not in use
4	OFF	OFF	OFF
5	Show 5	WIPE DOWN	Not in use
6	Show 6	WIPE RIGHT	Not in use
7	Show 7	Not in use	Not in use
8-16	Not in use, freely programmable in the future.		

7.2.2 Feature lighting zone list

NAME	LOCATION
IT2 IT3 Façade	IT2 IT3 Façade
Skydeck Eyebrow	Skydeck Eyebrow
Total	2

7.2.3 Points list

POINT NAME	DESCRIPTION	BRICK CLASS	OBJECT TYPE	READ/ WRITE	TREND LOG
PresetCmd	Feature lighting group/zone preset command, written to lighting control system (BACnet PV)	brick:Lighting_Level_Command	multistate	W	YES
Total	1				

7.2.4 Alarms and faults

None. The lighting control system does not monitor or report any alarms or faults on integrated Pharos/DMX lighting.

7.3 DALI output device (C-Bus only)

Brick Class
brick:Lighting

The iBAMS integration to the lighting control systems generally monitors alarms at the lighting zone/group level. In the C-Bus lighting control system, the integrator is unable to provide common alarms and faults at the lighting zone/group level. Instead, the lighting control system reports the error status of individual DALI fittings on the BACnet interface, which are monitored in iBAMS and grouped into their respective [lighting zone as Sum Alarms](#) within iBAMS.

The error status of each DALI fitting is represented as a 32-bit integer, containing the following error states, which are transformed in EBO to corresponding [points](#) and [alarms](#).

Bit	Error state if TRUE
Bit 0	Ballast Failure
Bit 1	Lamp Failure
Bit 2	Lamp Power On
Bit 3	Power Failure
Bit 4	Emergency Failure
Bit 7	Ballast Missing

7.3.1 Equipment list

Refer to [DALI output device schedule \(C-Bus only\)](#).

7.3.2 Points list

POINT NAME	DESCRIPTION	BRICK CLASS	OBJECT TYPE	READ/ WRITE	TREND LOG
LtSts	the lamp is powered on	brick:On_Status	digital	R	YES
Total	1				

7.3.3 Alarms and faults

NAME	BRICK CLASS	ALARM PRIORITY	ALARM CATEGORY
Ballast Failure	brick:Failure_Alarm	3	Lighting
Lamp Failure	brick:Failure_Alarm	3	Lighting
Power Failure	brick:Power_Alarm	3	Lighting
Emergency Failure	brick:Failure_Alarm	3	Lighting
Ballast Missing	brick:Failure_Alarm	3	Lighting
Total	5		

7.4 Data summary

7.4.1 Quantity lighting zones

Lighting Zone Type	Part A	Part B1	Part B2	Part C	Total
time schedule	18	31	22	61	132
master trigger group	0	15	0	0	15
basic relay	25	0	0	0	25
local sensor only	21	104	0	51	176
time schedule + local sensor	0	22	0	0	22
AV system controlled + local sensor	0	28	0	0	28
AV system controlled	0	0	0	13	13
Total	64	200	22	125	411

7.4.2 Quantity read only points

EQUIPMENT TYPE	EQUIPMENT QTY	DIGITAL	ANALOG	MULTI STATE	STRING	DATE TIME	Total Read Only Points
Lighting Zone	411	1233	0	411	0	0	1644
Feature Lighting Zone	2	0	0	0	0	0	0
DALI output device (C-Bus only)	1213	1213	0	0	0	0	1213
Total	1626	2446	0	411	0	0	2857

7.4.3 Quantity read/write points

EQUIPMENT TYPE	EQUIPMENT QTY	DIGITAL	ANALOG	MULTI STATE	STRING	DATE TIME	Total Read Write Points
Lighting Zone	411	0	0	411	0	0	411
Feature Lighting Zone	2	0	0	2	0	0	2
DALI output device (C-Bus only)	1213	0	0	0	0	0	0
Total	1626	0	0	413	0	0	413

7.4.4 Quantity alarms and trend logs

EQUIPMENT TYPE	EQUIPMENT QTY	ALARM PRIORITY 1	ALARM PRIORITY 2	ALARM PRIORITY 3	ALARM PRIORITY 4	TOTAL ALARMS	TREND LOGS
Lighting Zone - Part A	64	0	0	704	0	704	320
Lighting Zone - Part B1	200	0	0	800	0	800	1000
Lighting Zone - Part B2	22	0	0	66	0	66	110
Lighting Zone - Part C	125	0	0	375	0	375	625
Feature Lighting Zone	2	0	0	0	0	0	2
DALI output device (C-Bus only)	1213	0	0	6065	0	6065	1213
Total	1626	0	0	8010	0	8010	3270

8 Lighting zone schedule

8.1 Part A lighting control system C-Bus – ICG basement, ICG-L00, ICG-L01

Name	Lighting Control System Gateway	Distribution Board	Control Type	iBAMS time schedule	Scene Control BACnet name
ICG-B01 Car Park Zone 1	B01_Zone1_NAC_130001	CDB-ICG-B01-01	basic relay	1-Scene On 24/7	B01_Zone_01 . Trigger Control . TG1 - B01 Z1 Lts (0.202.1)
ICG-B02 Car Park Zone 1	B01_Zone1_NAC_130001	CDB-ICG-B01-01	basic relay	1-Scene On 24/7	B01_Zone_01 . Trigger Control . TG2 - B02 Z1 Lts (0.202.2)
ICG-B03 Car Park Zone 1	B01_Zone1_NAC_130001	CDB-ICG-B03-01	basic relay	1-Scene On 24/7	B01_Zone_01 . Trigger Control . TG3 - B03 Z1 Lts (0.202.3)
ICG-B03 Car Park Zone 5	B01_Zone1_NAC_130001	CDB-ICG-B03-05	basic relay	1-Scene On 24/7	B01_Zone_01 . Trigger Control . TG9 - B03 Z5 Lts (0.202.9)
ICG-B04 Car Park Zone 5	B01_Zone1_NAC_130001	CDB-ICG-B03-05	basic relay	1-Scene On 24/7	B01_Zone_01 . Trigger Control . TG10 - B04 Z5 Lts (0.202.10)
ICG-B01 Car Park Zone 2	B01_Zone2_NAC_130002	CDB-ICG-B01-02	basic relay	1-Scene On 24/7	B01_Zone_02 . Trigger Control . TG1 - B01 Lts (0.202.1)
ICG-B02 Car Park Zone 2	B01_Zone2_NAC_130002	CDB-ICG-B01-02	basic relay	1-Scene On 24/7	B01_Zone_02 . Trigger Control . TG2 - B02 Lts (0.202.2)
ICG-B02 IT2 Lift Lobby	B01_Zone2_NAC_130002	CDB-ICG-B01-02	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_02 . Trigger Control . TG7 - B02 Lobby Lts (0.202.7)
ICG-B03 Car Park Zone 2	B01_Zone2_NAC_130002	CDB-ICG-B03-02	basic relay	1-Scene On 24/7	B01_Zone_02 . Trigger Control . TG3 - B03 Lts (0.202.3)
ICG-B03 IT2 Lift Lobby	B01_Zone2_NAC_130002	CDB-ICG-B03-02	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_02 . Trigger Control . TG8 - B03 Lobby Lts (0.202.8)
ICG-B04 Car Park Zone 2	B01_Zone2_NAC_130002	CDB-ICG-B03-02	basic relay	1-Scene On 24/7	B01_Zone_02 . Trigger Control . TG4 - B04 Lts (0.202.4)
ICG-B04 IT2 Lift Lobby	B01_Zone2_NAC_130002	CDB-ICG-B03-02	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_02 . Trigger Control . TG9 - B04 Lobby Lts (0.202.9)
ICG-B05 Car Park Zone 2	B01_Zone2_NAC_130002	CDB-ICG-B03-02	basic relay	1-Scene On 24/7	B01_Zone_02 . Trigger Control . TG10 - B05 Lobby Lts (0.202.10)
ICG-B05 IT2 Lift Lobby	B01_Zone2_NAC_130002	CDB-ICG-B03-02	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_02 . Trigger Control . TG5 - B05 Lts (0.202.5)
ICG-B01 Car Park Zone 3	B01_Zone3_NAC_130003	CDB-ICG-B01-03	basic relay	1-Scene On 24/7	B01_Zone_03 . Trigger Control . TG1 - B01 Lts (0.202.1)
ICG-B01 IT3 Lift Lobby	B01_Zone3_NAC_130003	CDB-ICG-B01-03	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_03 . Trigger Control . TG6 - B01 Lobby Lts (0.202.6)
ICG-B02 Car Park Zone 3	B01_Zone3_NAC_130003	CDB-ICG-B01-03	basic relay	1-Scene On 24/7	B01_Zone_03 . Trigger Control . TG2 - B02 Lts (0.202.2)
ICG-B02 IT3 Lift Lobby	B01_Zone3_NAC_130003	CDB-ICG-B01-03	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_03 . Trigger Control . TG7 - B02 Lobby Lts (0.202.7)
ICG-B03 Car Park Zone 3	B01_Zone3_NAC_130003	CDB-ICG-B03-03	basic relay	1-Scene On 24/7	B01_Zone_03 . Trigger Control . TG3 - B03 Lts (0.202.3)
ICG-B03 IT3 Lift Lobby	B01_Zone3_NAC_130003	CDB-ICG-B03-03	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_03 . Trigger Control . TG8 - B03 Lobby Lts (0.202.8)
ICG-B04 Car Park Zone 3	B01_Zone3_NAC_130003	CDB-ICG-B03-03	basic relay	1-Scene On 24/7	B01_Zone_03 . Trigger Control . TG4 - B04 Lts (0.202.4)
ICG-B04 IT3 Lift Lobby	B01_Zone3_NAC_130003	CDB-ICG-B03-03	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_03 . Trigger Control . TG9 - B04 Lobby Lts (0.202.9)
ICG-B05 Car Park Zone 3	B01_Zone3_NAC_130003	CDB-ICG-B03-03	basic relay	1-Scene On 24/7	B01_Zone_03 . Trigger Control . TG5 - B05 Lts (0.202.5)
ICG-B05 IT3 Lift Lobby	B01_Zone3_NAC_130003	CDB-ICG-B03-03	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_03 . Trigger Control . TG10 - B05 Lobby Lts (0.202.10)
ICG-B01 Car Park Zone 4	B01_Zone4_NAC_130004	CDB-ICG-B01-04	basic relay	1-Scene On 24/7	B01_Zone_04 . Trigger Control . TG1 - B01 Lts (0.202.1)
ICG-B01 IT4 Residential Lift Lobby	B01_Zone4_NAC_130004	CDB-ICG-B01-04	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_04 . Trigger Control . TG6 - B01 Lobby Lts (0.202.6)
ICG-B02 Car Park Zone 4	B01_Zone4_NAC_130004	CDB-ICG-B01-04	basic relay	1-Scene On 24/7	B01_Zone_04 . Trigger Control . TG2 - B02 Lts (0.202.2)
ICG-B02 IT4 Residential Lift Lobby	B01_Zone4_NAC_130004	CDB-ICG-B01-04	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_04 . Trigger Control . TG7 - B02 Lobby Lts (0.202.7)
ICG-B03 Car Park Zone 4	B01_Zone4_NAC_130004	CDB-ICG-B03-04	basic relay	1-Scene On 24/7	B01_Zone_04 . Trigger Control . TG3 - B03 Lts (0.202.3)
ICG-B03 IT4 Residential Lift Lobby	B01_Zone4_NAC_130004	CDB-ICG-B03-04	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_04 . Trigger Control . TG8 - B03 Lobby Lts (0.202.8)
ICG-B04 Car Park Zone 4	B01_Zone4_NAC_130004	CDB-ICG-B03-04	basic relay	1-Scene On 24/7	B01_Zone_04 . Trigger Control . TG4 - B04 Lts (0.202.4)
ICG-B04 IT4 Residential Lift Lobby	B01_Zone4_NAC_130004	CDB-ICG-B03-04	time scheduled	3-Scene Day-Evening-Night 24/7	B01_Zone_04 . Trigger Control . TG9 - B04 Lobby Lts (0.202.9)
ICG-L00 Zone 1 Amenities	L00_Zone1_NAC_130005	CDB-ICG-L00-01	local sensor only	none	L00_Zone_01.05 . Trigger Control . TG2 - L00 Amen (0.202.2)
ICG-L00 Zone 1 BOH Corridors	L00_Zone1_NAC_130005	CDB-ICG-L00-01	local sensor only	none	L00_Zone_01.05 . Trigger Control . TG1 - L00 BOH Cor (0.202.1)
ICG-L00 Zone 1 Loading Dock	L00_Zone1_NAC_130005	CDB-ICG-L00-01	basic relay	1-Scene On 24/7	L00_Zone_01.05 . Trigger Control . TG4 - L00 Load Dock (0.202.4)
ICG-L00 Zone 1 Lobbies Other	L00_Zone1_NAC_130005	CDB-ICG-L00-01	local sensor only	none	L00_Zone_01.05 . Trigger Control . TG3 - L00 Lobbies_Other (0.202.3)
ICG-L01 Zone 1 Amenities	L00_Zone1_NAC_130005	CDB-ICG-L01-01	local sensor only	none	L00_Zone_01.05 . Trigger Control . TG8 - L01 Amen (0.202.8)
ICG-L01 Zone 1 BOH Corridors	L00_Zone1_NAC_130005	CDB-ICG-L01-01	local sensor only	none	L00_Zone_01.05 . Trigger Control . TG7 - L01 BOH Cor (0.202.7)
ICG-L01 Zone 1 BOH Store	L00_Zone1_NAC_130005	CDB-ICG-L01-01	time scheduled	3-Scene Day-Evening-Night 24/7	L00_Zone_01.05 . Trigger Control . TG10 - L01 BOH Store (0.202.10)
ICG-L01 Zone 1 Staff Lockers	L00_Zone1_NAC_130005	CDB-ICG-L01-01	local sensor only	none	L00_Zone_01.05 . Trigger Control . TG9 - L01 Staff Lockers (0.202.9)
ICG-L00 Zone 2 BOH Corridors	L00_Zone2_NAC_130006	CDB-ICG-L00-02	local sensor only	none	L00_Zone_02 . Trigger Control . TG1 - L00 BOH Cor (0.202.1)
ICG-L00 Zone 2 Loading Dock	L00_Zone2_NAC_130006	CDB-ICG-L00-02	basic relay	1-Scene On 24/7	L00_Zone_02 . Trigger Control . TG4 - L00 Load Dock (0.202.4)

Name	Lighting Control System Gateway	Distribution Board	Control Type	iBAMS time schedule	Scene Control BACnet name
ICG-L00 Zone 2 Lobbies Other	L00_Zone2_NAC_130006	CDB-ICG-L00-02	local sensor only	none	L00_Zone_02 . Trigger Control . TG9 - L00 Other (0.202.9)
ICG-L00 Zone 2 Public Amenities	L00_Zone2_NAC_130006	CDB-ICG-L00-02	local sensor only	none	L00_Zone_02 . Trigger Control . TG2 - L00 Public Amen (0.202.2)
ICG-L00 Zone 2 Staff Amenities	L00_Zone2_NAC_130006	CDB-ICG-L00-02	local sensor only	none	L00_Zone_02 . Trigger Control . TG3 - L00 Staff Amen (0.202.3)
ICG-L01 Zone 2 Amenities	L00_Zone2_NAC_130006	CDB-ICG-L01-02	local sensor only	none	L00_Zone_02 . Trigger Control . TG8 - L01 Staff Amen (0.202.8)
ICG-L01 Zone 2 BOH Corridors	L00_Zone2_NAC_130006	CDB-ICG-L01-02	local sensor only	none	L00_Zone_02 . Trigger Control . TG1 - L00 BOH Cor (0.202.1)
ICG-L01 Zone 2 Other	L00_Zone2_NAC_130006	CDB-ICG-L01-02	local sensor only	none	L00_Zone_02 . Trigger Control . TG9 - L00 Other (0.202.9)
ICG-L01 Zone 2 Security Lobby	L00_Zone2_NAC_130006	CDB-ICG-L01-02	time scheduled	3-Scene Day-Evening-Night 24/7	L00_Zone_02 . Trigger Control . TG10 - L01 Sec Lobby (0.202.10)
ICG-L00 Zone 3 Amenities	L00_Zone3_NAC_130007	CDB-ICG-L00-03	local sensor only	none	L00_Zone_03 . Trigger Control . TG3 - L00 Amenities (0.202.3)
ICG-L00 Zone 3 BOH Corridors	L00_Zone3_NAC_130007	CDB-ICG-L00-03	local sensor only	none	L00_Zone_03 . Trigger Control . TG1 - L00 BOH Cor (0.202.1)
ICG-L00 Zone 3 Loading Dock	L00_Zone3_NAC_130007	CDB-ICG-L00-03	basic relay	1-Scene On 24/7	L00_Zone_03 . Trigger Control . TG4 - L00 Loading Dock (0.202.4)
ICG-L00 Zone 3 Loading Dock Entry	L00_Zone3_NAC_130007	CDB-ICG-L00-03	time scheduled	3-Scene Day-Evening-Night 24/7	L00_Zone_03 . Trigger Control . TG5 - L00 Load Entry (0.202.5)
ICG-L01 Zone 3 Amenities	L00_Zone3_NAC_130007	CDB-ICG-L01-03	local sensor only	none	L00_Zone_03 . Trigger Control . TG8 - L01 Amenities (0.202.8)
ICG-L01 Zone 3 BOH Corridors	L00_Zone3_NAC_130007	CDB-ICG-L01-03	local sensor only	none	L00_Zone_03 . Trigger Control . TG7 - L01 BOH Cor (0.202.7)
ICG-L01 Zone 3 Staff Dining	L00_Zone3_NAC_130007	CDB-ICG-L01-03	time scheduled	3-Scene Day-Evening-Night 24/7	L00_Zone_03 . Trigger Control . TG7 - L01 BOH Cor (0.202.7)
ICG-L00 Zone 4 BOH Corridors	L00_Zone4_NAC_130008	CDB-ICG-L00-04	local sensor only	none	L00_Zone_04 . Trigger Control . TG1 - L00 BOH Cor (0.202.1)
ICG-L00 Zone 4 Car Park Ramps	L00_Zone4_NAC_130008	CDB-ICG-L00-04	basic relay	1-Scene On 24/7	L00_Zone_04 . Trigger Control . TG5 - L00 CP Ramps (0.202.5)
ICG-L00 Zone 4 Loading Dock	L00_Zone4_NAC_130008	CDB-ICG-L00-04	basic relay	1-Scene On 24/7	L00_Zone_04 . Trigger Control . TG3 - L00 Load Dock (0.202.3)
ICG-L00 Zone 4 Lobbies	L00_Zone4_NAC_130008	CDB-ICG-L00-04	local sensor only	none	L00_Zone_04 . Trigger Control . TG4 - L00 Lobbies (0.202.4)
ICG-L01 Zone 4 BOH Corridors	L00_Zone4_NAC_130008	CDB-ICG-L01-04	local sensor only	none	L00_Zone_04 . Trigger Control . TG7 - L01 BOH Cor (0.202.7)
ICG-L01 Zone 4 Car Park Entry	L00_Zone4_NAC_130008	CDB-ICG-L01-04	time scheduled	3-Scene Day-Evening-Night 24/7	L00_Zone_04 . Trigger Control . TG2 - L01 CP Entry (0.202.2)
ICG-L01 Zone 4 Car Park Ramps	L00_Zone4_NAC_130008	CDB-ICG-L01-04	basic relay	1-Scene On 24/7	L00_Zone_04 . Trigger Control . TG9 - L01 CP Ramps (0.202.9)
ICG-L01 Zone 4 Lobbies Other	L00_Zone4_NAC_130008	CDB-ICG-L01-04	local sensor only	none	L00_Zone_04 . Trigger Control . TG8 - L01 Lobbies (0.202.8)

8.2 Part B1 lighting control system zencontrol – ICG-L00 to L07

Name	Lighting Control System Gateway	Distribution Board	Control Type	iBAMS time schedule	Scene Control BACnet name
G4_L06_Z01_Airlock_To_Corridor	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-4 DALI Zone 4 - 250082	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G4_L06_Z01_Airlock_To_Corridor Current Scene
G2_L06_Z01_Meeting_Room_2	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-1 DALI Zone 71 - 250083	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G2_L06_Z01_Meeting_Room_2 Current Scene
G1_L06_Z01_Meeting_Room_3	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-1 DALI Zone 71 - 250083	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G1_L06_Z01_Meeting_Room_3 Current Scene
G1_L06_Z01_Meeting_Room_1	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-2 DALI Zone 72 - 250084	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G1_L06_Z01_Meeting_Room_1 Current Scene
G2_L06_Z01_Corridor	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-2 DALI Zone 72 - 250084	CDB-ICG-L06-01	local sensor only	none	DALI Group - G2_L06_Z01_Corridor Current Scene
G1_L06_Z01_Corridor	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-3 DALI Zone 73 - 250085	CDB-ICG-L06-01	local sensor only	none	DALI Group - G1_L06_Z01_Corridor Current Scene
G3_L06_Z01_Lift_Lobby_1	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-3 DALI Zone 73 - 250085	CDB-ICG-L06-01	local sensor only	none	DALI Group - G3_L06_Z01_Lift_Lobby_1 Current Scene
G2_L06_Z01_Corridor2	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-3 DALI Zone 73 - 250085	CDB-ICG-L06-01	local sensor only	none	DALI Group - G2_L06_Z01_Corridor2 Current Scene
G4_L06_Z01_Lift_Lobby_2	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-3 DALI Zone 73 - 250085	CDB-ICG-L06-01	local sensor only	none	DALI Group - G4_L06_Z01_Lift_Lobby_2 Current Scene
G5_L06_Z01_LE(Curve)	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-3 DALI Zone 73 - 250085	CDB-ICG-L06-01	local sensor only	none	DALI Group - G5_L06_Z01_LE(Curve) Current Scene
G2_L06_Z01_Meeting_Room_5	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-4 DALI Zone 74 - 250086	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G2_L06_Z01_Meeting_Room_5 Current Scene
G1_L06_Z01_Business_Centre	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-4 DALI Zone 74 - 250086	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G1_L06_Z01_Business_Centre Current Scene
G3_L06_Z01_Meeting_Room_6	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-4 DALI Zone 74 - 250086	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G3_L06_Z01_Meeting_Room_6 Current Scene
G4_L06_Z01_Corridor	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-5 DALI Zone 75 - 250087	CDB-ICG-L06-01	local sensor only	none	DALI Group - G4_L06_Z01_Corridor Current Scene
G2_L06_Z01_Secretary_Centre	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-5 DALI Zone 75 - 250087	CDB-ICG-L06-01	local sensor only	none	DALI Group - G2_L06_Z01_Secretary_Centre Current Scene
G15_L06_Z01_Pre-Function_Master_Trigger	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-5 DALI Zone 75 - 250087	CDB-ICG-L06-01	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G15_L06_Z01_Pre-Function_Master_Trigger Current Scene
G3_L06_Z01_Disabled_Toilet	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-5 DALI Zone 75 - 250087	CDB-ICG-L06-01	local sensor only	none	DALI Group - G3_L06_Z01_Disabled_Toilet Current Scene
G3_L06_Z01_Meeting_Room_4	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-6 DALI Zone 76 - 250088	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G3_L06_Z01_Meeting_Room_4 Current Scene
G1_L06_Z01_Male_WC	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-6 DALI Zone 76 - 250088	CDB-ICG-L06-01	local sensor only	none	DALI Group - G1_L06_Z01_Male_WC Current Scene
G2_L06_Z01_Male_WC_Repeater	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-6 DALI Zone 76 - 250088	CDB-ICG-L06-01	local sensor only	none	DALI Group - G2_L06_Z01_Male_WC_Repeater Current Scene
G1_L06_Z01_Female_WC	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-7 DALI Zone 77 - 250089	CDB-ICG-L06-01	local sensor only	none	DALI Group - G1_L06_Z01_Female_WC Current Scene
G2_L06_Z01_Conf_Kitchen	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-7 DALI Zone 77 - 250089	CDB-ICG-L06-01	local sensor only	none	DALI Group - G2_L06_Z01_Conf_Kitchen Current Scene
G3_L06_Z01_Female_WC_Repeater	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-7 DALI Zone 77 - 250089	CDB-ICG-L06-01	local sensor only	none	DALI Group - G3_L06_Z01_Female_WC_Repeater Current Scene
G4_L06_Z01_Conf_Kitchen_Lift_Lobby	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-7 DALI Zone 77 - 250089	CDB-ICG-L06-01	local sensor only	none	DALI Group - G4_L06_Z01_Conf_Kitchen_Lift_Lobby Current Scene
G1_L06_Z02_Terrace_Lts_1	zencontrol AC PRO - Level 06 - CDB-ICG-L06-02-1 DALI Zone 124 - 250097	CDB-ICG-L06-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L06_Z02_Terrace_Lts_1 Current Scene
G2_L06_Z02_Terrace_Lts_2	zencontrol AC PRO - Level 06 - CDB-ICG-L06-02-1 DALI Zone 124 - 250097	CDB-ICG-L06-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L06_Z02_Terrace_Lts_2 Current Scene

Name	Lighting Control System Gateway	Distribution Board	Control Type	IBAMS time schedule	Scene Control BACnet name
G1_L06_Z03_Terrace_Lts_1	zencontrol AC PRO - Level 06 - CDB-ICG-L06-03-1 DALI Zone 85 - 250098	CDB-ICG-L06-03	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L06_Z03_Terrace_Lts_1 Current Scene
G2_L06_Z03_Terrace_Lts_2	zencontrol AC PRO - Level 06 - CDB-ICG-L06-03-1 DALI Zone 85 - 250098	CDB-ICG-L06-03	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L06_Z03_Terrace_Lts_2 Current Scene
G4_L06_Z04_Airlock_1	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-1 DALI Zone 86 - 250100	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G4_L06_Z04_Airlock_1 Current Scene
G3_L06_Z04_Keg_Room_Store	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-1 DALI Zone 86 - 250100	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G3_L06_Z04_Keg_Room_Store Current Scene
G5_L06_Z04_Airlock_2	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-1 DALI Zone 86 - 250100	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G5_L06_Z04_Airlock_2 Current Scene
G1_L06_Z04_BOH_Corridor_1	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-1 DALI Zone 86 - 250100	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G1_L06_Z04_BOH_Corridor_1 Current Scene
G9_L06_Z04_BOH_Corridor3	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-1 DALI Zone 86 - 250100	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G9_L06_Z04_BOH_Corridor3 Current Scene
G6_L06_Z04_Staff_Male_WC	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-1 DALI Zone 86 - 250100	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G6_L06_Z04_Staff_Male_WC Current Scene
G8_L06_Z04_Vehicle_Entry	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-1 DALI Zone 86 - 250100	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G8_L06_Z04_Vehicle_Entry Current Scene
G2_L06_Z04_BOH_Corridor_2	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-1 DALI Zone 86 - 250100	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G2_L06_Z04_BOH_Corridor_2 Current Scene
G7_L06_Z04_Staff_Female_WC	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-1 DALI Zone 86 - 250100	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G7_L06_Z04_Staff_Female_WC Current Scene
G8_L06_Z04_Green_Room_3_WC	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-2 DALI Zone 87 - 250101	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G8_L06_Z04_Green_Room_3_WC Current Scene
G5_L06_Z04_Green_Room_2	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-2 DALI Zone 87 - 250101	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G5_L06_Z04_Green_Room_2 Current Scene
G6_L06_Z04_Green_Room_2_WC	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-2 DALI Zone 87 - 250101	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G6_L06_Z04_Green_Room_2_WC Current Scene
G3_L06_Z04_Green_Room_1	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-2 DALI Zone 87 - 250101	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G3_L06_Z04_Green_Room_1 Current Scene
G4_L06_Z04_Green_Room_1_WC	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-2 DALI Zone 87 - 250101	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G4_L06_Z04_Green_Room_1_WC Current Scene
G1_L06_Z04_Green_Room_Lounge	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-2 DALI Zone 87 - 250101	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G1_L06_Z04_Green_Room_Lounge Current Scene
G7_L06_Z04_Green_Room_3	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-2 DALI Zone 87 - 250101	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G7_L06_Z04_Green_Room_3 Current Scene
G2_L06_Z04_Dry_Store	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-2 DALI Zone 87 - 250101	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G2_L06_Z04_Dry_Store Current Scene
G5_L06_Z04_Airlock_4	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-3 DALI Zone 88 - 250102	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G5_L06_Z04_Airlock_4 Current Scene
G2_L06_Z04_Kitchen_Corridor	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-3 DALI Zone 88 - 250102	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G2_L06_Z04_Kitchen_Corridor Current Scene
G6_L06_Z04_Airlock_5	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-3 DALI Zone 88 - 250102	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G6_L06_Z04_Airlock_5 Current Scene
G4_L06_Z04_Airlock_3	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-3 DALI Zone 88 - 250102	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G4_L06_Z04_Airlock_3 Current Scene
G1_L06_Z04_BOH_Corridor_3	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-3 DALI Zone 88 - 250102	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G1_L06_Z04_BOH_Corridor_3 Current Scene
G3_L06_Z04_Banquet_Kitchen	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-3 DALI Zone 88 - 250102	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G3_L06_Z04_Banquet_Kitchen Current Scene
G2_L06_Z04_Kitchen_Back_SHWR	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-4 DALI Zone 89 - 250103	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G2_L06_Z04_Kitchen_Back_SHWR Current Scene
G1_L06_Z04_Kitchen_Front	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-4 DALI Zone 89 - 250103	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G1_L06_Z04_Kitchen_Front Current Scene

Name	Lighting Control System Gateway	Distribution Board	Control Type	IBAMS time schedule	Scene Control BACnet name
G2_L06_Z04_Kitchen_Back	zencontrol AC PRO - Level 06M - CDB-ICG-L06M-01-4 DALI Zone 89 - 250103	CDB-ICG-L06M-01	local sensor only	none	DALI Group - G2_L06_Z04_Kitchen_Back Current Scene
G3_L02_Z02_BOH_Corridor	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-1 DALI Zone 9%2A - 250014	CDB-ICG-L02-02	local sensor only	none	DALI Group - G3_L02_Z02_BOH_Corridor Current Scene
G6_L02_Z02_Lobby_Bar_BOH_Area	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-2 DALI Zone 10 - 250015	CDB-ICG-L02-02	local sensor only	none	DALI Group - G6_L02_Z02_Lobby_Bar_BOH_Area Current Scene
G1_L02_Z02_Cleaners	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-2 DALI Zone 10 - 250015	CDB-ICG-L02-02	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L02_Z02_Cleaners Current Scene
G3_L02_Z02_Female_Toilet	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-2 DALI Zone 10 - 250015	CDB-ICG-L02-02	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L02_Z02_Female_Toilet Current Scene
G4_L02_Z02_Accessible_Toilet	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-2 DALI Zone 10 - 250015	CDB-ICG-L02-02	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G4_L02_Z02_Accessible_Toilet Current Scene
G2_L02_Z02_Male_Toilet	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-2 DALI Zone 10 - 250015	CDB-ICG-L02-02	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L02_Z02_Male_Toilet Current Scene
G3_L02_Z02_WC_Lobby	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-7 DALI Zone 26 - 250020	CDB-ICG-L02-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L02_Z02_WC_Lobby Current Scene
G15_L02_Z03_Sokyo_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-10 DALI Zone 41%2A - 250035	CDB-ICG-L02-03	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G15_L02_Z03_Sokyo_Master_Trigger Current Scene
G5_L02_Z03_Sokyo_Kitchen_Troffers	zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-3 DALI Zone 16 - 250028	CDB-ICG-L02-03	local sensor only	none	DALI Group - G5_L02_Z03_Sokyo_Kitchen_Troffers Current Scene
G6_L02_Z03_Grand_Lobby_Staff_Corridor	zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-5 DALI Zone 18 - 250030	CDB-ICG-L02-03	local sensor only	none	DALI Group - G6_L02_Z03_Grand_Lobby_Staff_Corridor Current Scene
G3_L02_Z03_Star_BOH_Lift_Lobby	zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-5 DALI Zone 18 - 250030	CDB-ICG-L02-03	local sensor only	none	DALI Group - G3_L02_Z03_Star_BOH_Lift_Lobby Current Scene
G4_L02_Z03_Storage_Grand_Luggage	zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-5 DALI Zone 18 - 250030	CDB-ICG-L02-03	local sensor only	none	DALI Group - G4_L02_Z03_Storage_Grand_Luggage Current Scene
G1_L02_Z03_Sokyo_Male_WC	zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-7 DALI Zone 20 - 250032	CDB-ICG-L02-03	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L02_Z03_Sokyo_Male_WC Current Scene
G2_L02_Z03_Sokyo_PWD	zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-7 DALI Zone 20 - 250032	CDB-ICG-L02-03	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L02_Z03_Sokyo_PWD Current Scene
G4_L02_Z03_Cleaners	zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-7 DALI Zone 20 - 250032	CDB-ICG-L02-03	local sensor only	none	DALI Group - G4_L02_Z03_Cleaners Current Scene
G3_L02_Z03_Sokyo_Female_WC	zencontrol AC PRO - Level 02 - CDB-ICG-L02-03-7 DALI Zone 20 - 250032	CDB-ICG-L02-03	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L02_Z03_Sokyo_Female_WC Current Scene
G3_L02_Z04_Residential_Lobby	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-1 DALI Zone 21 - 250038	CDB-ICG-L02-04	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L02_Z04_Residential_Lobby Current Scene
G2_L02_Z04_Residential_Lobby_Pendants	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-1 DALI Zone 21 - 250038	CDB-ICG-L02-04	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L02_Z04_Residential_Lobby_Pendants Current Scene
G6_L02_Z04_Residential_Lift_Lobby	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-2 DALI Zone 22 - 250040	CDB-ICG-L02-04	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G6_L02_Z04_Residential_Lift_Lobby Current Scene
G3_L02_Z04_Male_WC	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-2 DALI Zone 22 - 250040	CDB-ICG-L02-04	local sensor only	none	DALI Group - G3_L02_Z04_Male_WC Current Scene
G1_L02_Z04_Public_Corridor	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-2 DALI Zone 22 - 250040	CDB-ICG-L02-04	local sensor only	none	DALI Group - G1_L02_Z04_Public_Corridor Current Scene
G2_L02_Z04_Female_WC	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-2 DALI Zone 22 - 250040	CDB-ICG-L02-04	local sensor only	none	DALI Group - G2_L02_Z04_Female_WC Current Scene
G4_L02_Z04_Public_UAT	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-2 DALI Zone 22 - 250040	CDB-ICG-L02-04	local sensor only	none	DALI Group - G4_L02_Z04_Public_UAT Current Scene
G5_L02_Z04_Cleaners	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-2 DALI Zone 22 - 250040	CDB-ICG-L02-04	local sensor only	none	DALI Group - G5_L02_Z04_Cleaners Current Scene
G2_L02_Z04_Parcel_Room	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-3 DALI Zone 23 - 250041	CDB-ICG-L02-04	local sensor only	none	DALI Group - G2_L02_Z04_Parcel_Room Current Scene
G1_L02_Z04_Mail_Room	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-3 DALI Zone 23 - 250041	CDB-ICG-L02-04	local sensor only	none	DALI Group - G1_L02_Z04_Mail_Room Current Scene

Name	Lighting Control System Gateway	Distribution Board	Control Type	IBAMS time schedule	Scene Control BACnet name
G3_L02_Z04_Residential_Lobby_DLs	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-3 DALI Zone 23 - 250041	CDB-ICG-L02-04	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L02_Z04_Residential_Lobby_DLs Current Scene
G1_L02_Z04_Column_Uplights	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-4 DALI Zone 31 - 250042	CDB-ICG-L02-04	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L02_Z04_Column_Uplights Current Scene
G1_L00_Z02_F&B_Outdoor	zencontrol AC PRO - Level 00 - CDB-ICG-L00-02-1 DALI Zone 5 - 250001	CDB-ICG-L00-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L00_Z02_F&B_Outdoor Current Scene
G2_L01_Z02_Outdoor_Area	zencontrol AC PRO - Level 01 - CDB-ICG-L01-02-1 DALI Zone 6 - 250002	CDB-ICG-L01-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L01_Z02_Outdoor_Area Current Scene
G15_L02_Z01_Taxi_Rank_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-1 DALI Zone 7%2A - 250003	CDB-ICG-L02-01	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G15_L02_Z01_Taxi_Rank_Master_Trigger Current Scene
G3_L02_Z01_Atrium_Lift_Lobby	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-2 DALI Zone 8 - 250004	CDB-ICG-L02-01	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L02_Z01_Atrium_Lift_Lobby Current Scene
G1_L02_Z01_External_Garden_Lts	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-4 DALI Zone 32 - 250006	CDB-ICG-L02-01	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L02_Z01_External_Garden_Lts Current Scene
G1_L02_Z01_Rosewood_Area_Outdoor_Space	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-5 DALI Zone 33 - 250007	CDB-ICG-L02-01	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L02_Z01_Rosewood_Area_Outdoor_Space Current Scene
G2_L03_Z01_Rosewood_Area_Toilet	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-5 DALI Zone 33 - 250007	CDB-ICG-L02-01	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L03_Z01_Rosewood_Area_Toilet Current Scene
G2_L03_Z01_Rosewood_Lobby_Low_Level	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-5 DALI Zone 33 - 250007	CDB-ICG-L02-01	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L03_Z01_Rosewood_Lobby_Low_Level Current Scene
G1_L04_Z01_Rosewood_Lift_Lobby	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-7 DALI Zone 45 - 250009	CDB-ICG-L02-01	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L04_Z01_Rosewood_Lift_Lobby Current Scene
G2_L04_Z01_Rosewood_Lift_Lobby_Entry	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-7 DALI Zone 45 - 250009	CDB-ICG-L02-01	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L04_Z01_Rosewood_Lift_Lobby_Entry Current Scene
G14_L04M_Z01_Grow_Lights_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-9 DALI Zone 53 M - 2500010	CDB-ICG-L02-01	master trigger group	1-Scene-Grow-Lights-On-6am-6pm	DALI Group - G14_L04M_Z01_Grow_Lights_Master_Trigger Current Scene
G13_L04M_Z01_Public_Areas_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-9 DALI Zone 53 M - 2500010	CDB-ICG-L02-01	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G13_L04M_Z01_Public_Areas_Master_Trigger Current Scene
G15_L04M_Z01_Above_William_Street_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-9 DALI Zone 53 M - 2500010	CDB-ICG-L02-01	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G15_L04M_Z01_Above_William_Street_Master_Trigger Current Scene
G1_L04M_Z01_Z02_Lift_Lobby	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-10 DALI Zone 54M - 2500011	CDB-ICG-L02-01	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L04M_Z01_Z02_Lift_Lobby Current Scene
G1_L04M_Z01_Z02_Corridor	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-10 DALI Zone 54M - 2500011	CDB-ICG-L02-01	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L04M_Z01_Z02_Corridor Current Scene
G13_L02_Z02_VIP_Lobby_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-1 DALI Zone 9%2A - 250014	CDB-ICG-L02-02	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G13_L02_Z02_VIP_Lobby_Master_Trigger Current Scene
G14_L02_Grand_Lobby_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-1 DALI Zone 9%2A - 250014	CDB-ICG-L02-02	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G14_L02_Grand_Lobby_Master_Trigger Current Scene
G15_L02_Z02_Z03_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-1 DALI Zone 9%2A - 250014	CDB-ICG-L02-02	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G15_L02_Z02_Z03_Master_Trigger Current Scene
G15_L03_Porte_Cochere_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-6 DALI Zone 25%2A - 250019	CDB-ICG-L02-02	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G15_L03_Porte_Cochere_Master_Trigger Current Scene
G15_L03_Z02_General_Area_EXT	zencontrol AC PRO - Level 02 - CDB-ICG-L02-02-12 DALI Zone 39 - 250024	CDB-ICG-L02-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G15_L03_Z02_General_Area_EXT Current Scene
G1_L04M_Z04_Residential_Lift_Lobby_Entry	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-1 DALI Zone 21 - 250038	CDB-ICG-L02-04	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L04M_Z04_Residential_Lift_Lobby_Entry Current Scene
G4_L04_Z04_Residential_Lift_Lobby	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-1 DALI Zone 21 - 250038	CDB-ICG-L02-04	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G4_L04_Z04_Residential_Lift_Lobby Current Scene
G3_L04_Z04_Residential_Lift_Lobby	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-1 DALI Zone 43 - 250039	CDB-ICG-L02-04	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L04_Z04_Residential_Lift_Lobby Current Scene
G2_L03_Z04_Managers_Office	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-1 DALI Zone 43 - 250039	CDB-ICG-L02-04	local sensor only	none	DALI Group - G2_L03_Z04_Managers_Office Current Scene
G1_L03_Z04_Residential_Lobby_Corridor	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-1 DALI Zone 43 - 250039	CDB-ICG-L02-04	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L03_Z04_Residential_Lobby_Corridor Current Scene

Name	Lighting Control System Gateway	Distribution Board	Control Type	IBAMS time schedule	Scene Control BACnet name
G15_L03_Z04_General_Area_EXT_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-04-6 DALI Zone 36 - 250044	CDB-ICG-L02-04	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G15_L03_Z04_General_Area_EXT_Master_Trigger Current Scene
G1_L04_Z03_Female_Toilet	zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-2 DALI Zone 50 - 250056	CDB-ICG-L04-02	local sensor only	none	DALI Group - G1_L04_Z03_Female_Toilet Current Scene
G4_L04_Z03_UAT	zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-2 DALI Zone 50 - 250056	CDB-ICG-L04-02	local sensor only	none	DALI Group - G4_L04_Z03_UAT Current Scene
G2_L04_Z03_Male_Toilet	zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-2 DALI Zone 50 - 250056	CDB-ICG-L04-02	local sensor only	none	DALI Group - G2_L04_Z03_Male_Toilet Current Scene
G3_L04_Z03_Parents_Room	zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-2 DALI Zone 50 - 250056	CDB-ICG-L04-02	local sensor only	none	DALI Group - G3_L04_Z03_Parents_Room Current Scene
G1_L04_Z03_Corridor	zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-3 DALI Zone 51 - 250057	CDB-ICG-L04-02	local sensor only	none	DALI Group - G1_L04_Z03_Corridor Current Scene
G3_L04_Z03_Toilet_Corridor	zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-3 DALI Zone 51 - 250057	CDB-ICG-L04-02	local sensor only	none	DALI Group - G3_L04_Z03_Toilet_Corridor Current Scene
G2_L04_Z03_Changing_Place	zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-3 DALI Zone 51 - 250057	CDB-ICG-L04-02	local sensor only	none	DALI Group - G2_L04_Z03_Changing_Place Current Scene
G2_L04M_Z03_Sky_Lobby_Access	zencontrol AC PRO - Level 04 - CDB-ICG-L04-02-5 DALI Zone 60 M - 250059	CDB-ICG-L04-02	local sensor only	none	DALI Group - G2_L04M_Z03_Sky_Lobby_Access Current Scene
G2_L04_Z04_Male_Toilet	zencontrol AC PRO - Level 04 - CDB-ICG-L04-03-1 DALI Zone 46 - 250064	CDB-ICG-L04-03	local sensor only	none	DALI Group - G2_L04_Z04_Male_Toilet Current Scene
G4_L04_Z04_UAT	zencontrol AC PRO - Level 04 - CDB-ICG-L04-03-1 DALI Zone 46 - 250064	CDB-ICG-L04-03	local sensor only	none	DALI Group - G4_L04_Z04_UAT Current Scene
G5_L04_Z04_Cleaners_Rm	zencontrol AC PRO - Level 04 - CDB-ICG-L04-03-1 DALI Zone 46 - 250064	CDB-ICG-L04-03	local sensor only	none	DALI Group - G5_L04_Z04_Cleaners_Rm Current Scene
G3_L04_Z04_Female_Toilet	zencontrol AC PRO - Level 04 - CDB-ICG-L04-03-1 DALI Zone 46 - 250064	CDB-ICG-L04-03	local sensor only	none	DALI Group - G3_L04_Z04_Female_Toilet Current Scene
G1_L04_Z04_Toilet_Corridor	zencontrol AC PRO - Level 04 - CDB-ICG-L04-03-1 DALI Zone 46 - 250064	CDB-ICG-L04-03	local sensor only	none	DALI Group - G1_L04_Z04_Toilet_Corridor Current Scene
G2_L04_Z02_Lift_Lobby	zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-1 DALI Zone 47 - 250047	CDB-ICG-L04-01	local sensor only	none	DALI Group - G2_L04_Z02_Lift_Lobby Current Scene
G1_L04_Z02_Corridor_DLs	zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-1 DALI Zone 47 - 250047	CDB-ICG-L04-01	local sensor only	none	DALI Group - G1_L04_Z02_Corridor_DLs Current Scene
G3_L04_Z02_BOH_Corridor	zencontrol AC PRO - Level 04M - CDB-ICG-L04-01-1 DALI Zone 47 - 250047	CDB-ICG-L04-01	local sensor only	none	DALI Group - G3_L04_Z02_BOH_Corridor Current Scene
G1_L05_Z01_Atrium_Lift_Lobby	zencontrol AC PRO - Level 05 - CDB-ICG-L05-01-01 DALI Zone 65 - 3628543	CDB-ICG-L05-01	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L05_Z01_Atrium_Lift_Lobby Current Scene
G2_L05_Z01_Star_Entrance	zencontrol AC PRO - Level 05 - CDB-ICG-L05-01-01 DALI Zone 65 - 3628543	CDB-ICG-L05-01	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L05_Z01_Star_Entrance Current Scene
G3_L05M_Z01_Atrium_Escalator_Lobby	zencontrol AC PRO - Level 05 - CDB-ICG-L05-01-01 DALI Zone 65 - 3628543	CDB-ICG-L05-01	time schedule + local sensor	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L05M_Z01_Atrium_Escalator_Lobby Current Scene
G1_L05_Z02_Entrance	zencontrol AC PRO - Level 05 - CDB-ICG-L05-02-1 DALI Zone 67 - 250070	CDB-ICG-L05-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L05_Z02_Entrance Current Scene
G3_L05_Z02_Bridge_Terrace	zencontrol AC PRO - Level 05 - CDB-ICG-L05-02-1 DALI Zone 67 - 250070	CDB-ICG-L05-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L05_Z02_Bridge_Terrace Current Scene
G2_L05_Z02_Riverside_Terrace	zencontrol AC PRO - Level 05 - CDB-ICG-L05-02-1 DALI Zone 67 - 250070	CDB-ICG-L05-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L05_Z02_Riverside_Terrace Current Scene
G4_L05_Z02_William_Terrace	zencontrol AC PRO - Level 05 - CDB-ICG-L05-02-1 DALI Zone 67 - 250070	CDB-ICG-L05-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G4_L05_Z02_William_Terrace Current Scene
G2_L05_Z03_Outside_Terrace	zencontrol AC PRO - Level 05 - CDB-ICG-L05-03-01 DALI Zone 120 - 250071	CDB-ICG-L05-03	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L05_Z03_Outside_Terrace Current Scene
G1_L05_Z03_William_Street_Terrace	zencontrol AC PRO - Level 05 - CDB-ICG-L05-03-01 DALI Zone 120 - 250071	CDB-ICG-L05-03	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L05_Z03_William_Street_Terrace Current Scene
G1_L05_Z05_Terrace_Its	zencontrol AC PRO - Level 05 - CDB-ICG-L05-04-1 DALI Zone 121 - 250072	CDB-ICG-L05-04	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L05_Z05_Terrace_Its Current Scene

Name	Lighting Control System Gateway	Distribution Board	Control Type	IBAMS time schedule	Scene Control BACnet name
G2_L05_Z04_Terrace_Its	zencontrol AC PRO - Level 05 - CDB-ICG-L05-04-1 DALI Zone 121 - 250072	CDB-ICG-L05-04	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L05_Z04_Terrace_Its Current Scene
G3_L05M_Z02_Terrace_Lights	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-01-1 DALI Zone 122 M - 250073	CDB-ICG-L05M-01	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L05M_Z02_Terrace_Lights Current Scene
G1_L05M_Z02_BOH_Lobby_1	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-01-1 DALI Zone 122 M - 250073	CDB-ICG-L05M-01	local sensor only	none	DALI Group - G1_L05M_Z02_BOH_Lobby_1 Current Scene
G2_L05M_Z02_BOH_Lobby_2	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-01-1 DALI Zone 122 M - 250073	CDB-ICG-L05M-01	local sensor only	none	DALI Group - G2_L05M_Z02_BOH_Lobby_2 Current Scene
G2_L05M_Z03_Terrace_Margaret_St	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-02-1 DALI Zone 123 M - 250074	CDB-ICG-L05M-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L05M_Z03_Terrace_Margaret_St Current Scene
G1_L05M_Z03_Terrace	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-02-1 DALI Zone 123 M - 250074	CDB-ICG-L05M-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L05M_Z03_Terrace Current Scene
G4_L05M_Z04_Technician_Office	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-1 DALI Zone 68 M - 250075	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G4_L05M_Z04_Technician_Office Current Scene
G2_L05M_Z04_BOH_Corridor_1	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-1 DALI Zone 68 M - 250075	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G2_L05M_Z04_BOH_Corridor_1 Current Scene
G6_L05M_Z04_Staff_Male_WC	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-1 DALI Zone 68 M - 250075	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G6_L05M_Z04_Staff_Male_WC Current Scene
G9_L05M_Z04_Staff_Cleaners	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-1 DALI Zone 68 M - 250075	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G9_L05M_Z04_Staff_Cleaners Current Scene
G7_L05M_Z04_Staff_Female_WC	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-1 DALI Zone 68 M - 250075	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G7_L05M_Z04_Staff_Female_WC Current Scene
G8_L05M_Z04_Staff_UAT	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-1 DALI Zone 68 M - 250075	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G8_L05M_Z04_Staff_UAT Current Scene
G3_L05M_Z04_BOH_Corridor_2	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-1 DALI Zone 68 M - 250075	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G3_L05M_Z04_BOH_Corridor_2 Current Scene
G1_L05M_Z04_Lift_Lobby	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-1 DALI Zone 68 M - 250075	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G1_L05M_Z04_Lift_Lobby Current Scene
G1_L05M_Z04_Security_Muster	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-2 DALI Zone 69 M - 250076	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G1_L05M_Z04_Security_Muster Current Scene
G6_L05M_Z04_Security_Cabin_R2	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-2 DALI Zone 69 M - 250076	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G6_L05M_Z04_Security_Cabin_R2 Current Scene
G2_L05M_Z04_Security_Control	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-2 DALI Zone 69 M - 250076	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G2_L05M_Z04_Security_Control Current Scene
G3_L05M_Z04_Security_Meeting_R1	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-2 DALI Zone 69 M - 250076	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G3_L05M_Z04_Security_Meeting_R1 Current Scene
G4_L05M_Z04_Security_Meeting_R2	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-2 DALI Zone 69 M - 250076	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G4_L05M_Z04_Security_Meeting_R2 Current Scene
G5_L05M_Z04_Security_Cabin_R1	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-2 DALI Zone 69 M - 250076	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G5_L05M_Z04_Security_Cabin_R1 Current Scene
G3_L05M_Z04_Surveillance_Utility	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-3 DALI Zone 70 M DMX - 250077	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G3_L05M_Z04_Surveillance_Utility Current Scene
G2_L05M_Z04_Surveillance_Office	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-3 DALI Zone 70 M DMX - 250077	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G2_L05M_Z04_Surveillance_Office Current Scene
G6_DMX_Trigger_Group	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-3 DALI Zone 70 M DMX - 250077	CDB-ICG-L05M-03	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G6_DMX_Trigger_Group Current Scene

Name	Lighting Control System Gateway	Distribution Board	Control Type	IBAMS time schedule	Scene Control BACnet name
G5_L05M_Z04_Broom_Cupboard	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-3 DALI Zone 70 M DMX - 250077	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G5_L05M_Z04_Broom_Cupboard Current Scene
G4_L05M_Z04_Surveillance_Viewing	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-3 DALI Zone 70 M DMX - 250077	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G4_L05M_Z04_Surveillance_Viewing Current Scene
G1_L05M_Z04_Surveillance_Control	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-03-3 DALI Zone 70 M DMX - 250077	CDB-ICG-L05M-03	local sensor only	none	DALI Group - G1_L05M_Z04_Surveillance_Control Current Scene
G1_L05M_Z01_Atrium_Projection_Lts	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-04-1 DALI Zone 117 - 250078	CDB-ICG-L05M-04	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L05M_Z01_Atrium_Projection_Lts Current Scene
G2_L05_Z01_Atrium_Projection_Lts	zencontrol AC PRO - Level 05M - CDB-ICG-L05M-04-1 DALI Zone 117 - 250078	CDB-ICG-L05M-04	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L05_Z01_Atrium_Projection_Lts Current Scene
G2_L06_Z01_Ballroom_1a_Colour	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-1 DALI Zone 1 - 250079	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G2_L06_Z01_Ballroom_1a_Colour Current Scene
G1_L06_Z01_Ballroom_1a_Level	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-1 DALI Zone 1 - 250079	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G1_L06_Z01_Ballroom_1a_Level Current Scene
Pharos Trigger Group	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-1 DALI Zone 1 - 250079	BDB-ICG-L06-01	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - Pharos Trigger Group Current Scene
G2_L06_Z01_Airlock_1&2_Level	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-2 DALI Zone 2 - 250080	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G2_L06_Z01_Airlock_1&2_Level Current Scene
G3_L06_Z01_Ballroom_1b_Colour	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-2 DALI Zone 2 - 250080	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G3_L06_Z01_Ballroom_1b_Colour Current Scene
G1_L06_Z01_Ballroom_1b_Level	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-2 DALI Zone 2 - 250080	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G1_L06_Z01_Ballroom_1b_Level Current Scene
G4_L06_Z01_Airlock_1&2_Colour	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-2 DALI Zone 2 - 250080	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G4_L06_Z01_Airlock_1&2_Colour Current Scene
G2_L06_Z01_Ballroom_2b_Level	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-3 DALI Zone 3 - 250081	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G2_L06_Z01_Ballroom_2b_Level Current Scene
G1_L06_Z01_Ballroom_2a_Level	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-3 DALI Zone 3 - 250081	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G1_L06_Z01_Ballroom_2a_Level Current Scene
G3_L06_Z01_Ballroom_2a_Colour	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-3 DALI Zone 3 - 250081	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G3_L06_Z01_Ballroom_2a_Colour Current Scene
G4_L06_Z01_Ballroom_2b_Colour	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-3 DALI Zone 3 - 250081	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G4_L06_Z01_Ballroom_2b_Colour Current Scene
G6_L06_Z01_Ballroom_3b_Colour	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-4 DALI Zone 4 - 250082	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G6_L06_Z01_Ballroom_3b_Colour Current Scene
G1_L06_Z01_Ballroom_3a_Level	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-4 DALI Zone 4 - 250082	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G1_L06_Z01_Ballroom_3a_Level Current Scene
G5_L06_Z01_Ballroom_3a_Colour	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-4 DALI Zone 4 - 250082	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G5_L06_Z01_Ballroom_3a_Colour Current Scene
G3_L06_Z01_Airlock_2&3_Level	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-4 DALI Zone 4 - 250082	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G3_L06_Z01_Airlock_2&3_Level Current Scene
G7_L06_Z01_Airlock_2&3_Colour	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-4 DALI Zone 4 - 250082	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G7_L06_Z01_Airlock_2&3_Colour Current Scene
G2_L06_Z01_Ballroom_3b_Level	zencontrol AC PRO - Level 06 - BDB-ICG-L06-01-4 DALI Zone 4 - 250082	BDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G2_L06_Z01_Ballroom_3b_Level Current Scene
G3_L06_Z01_Business_Centre_Blockout_Blinds	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-4 DALI Zone 74 - 250086	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G3_L06_Z01_Business_Centre_Blockout_Blinds Current Scene
G3_L06_Z01_Business_Centre_Sheer_Blinds	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-4 DALI Zone 74 - 250086	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G3_L06_Z01_Business_Centre_Sheer_Blinds Current Scene
G5_L06_Z01_Secretary_Centre_Sheer_BLinds	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-5 DALI Zone 75 - 250087	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G5_L06_Z01_Secretary_Centre_Sheer_BLinds Current Scene
G5_L06_Z01_Secretary_Centre_Blockout_BLinds	zencontrol AC PRO - Level 06 - CDB-ICG-L06-01-5 DALI Zone 75 - 250087	CDB-ICG-L06-01	AV system controlled + local sensor	none	DALI Group - G5_L06_Z01_Secretary_Centre_Blockout_BLinds Current Scene

Name	Lighting Control System Gateway	Distribution Board	Control Type	IBAMS time schedule	Scene Control BACnet name
G15_L02_Z01_Atrium_Master_Trigger	zencontrol AC PRO - Level 02 - CDB-ICG-L02-01-2 DALI Zone 8 - 250004	CDB-ICG-L02-01	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G15_L02_Z01_Atrium_Master_Trigger Current Scene
G1_L01_Z02_Outdoor_Hill_Climb_Steps_Area	zencontrol AC PRO - Level 01 - CDB-ICG-L01-02-1 DALI Zone 6 - 250002	CDB-ICG-L01-02	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G1_L01_Z02_Outdoor_Hill_Climb_Steps_Area Current Scene
G15_L07_Z01_External_Master_Trigger	CDB-ICG-L07-01-1 DALI Zone 90*	CDB-ICG-L07-01	master trigger group	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G15_L07_Z01_External_Master_Trigger Current Scene
G2_L7_Z02_Sauna_Steam_Rm_entry	CDB-ICG-L07-02-1 DALI Zone 92	CDB-ICG-L07-02	local sensor only	none	DALI Group - G2_L7_Z02_Sauna_Steam_Rm_entry Current Scene
G3_L7_Z02_PWD	CDB-ICG-L07-02-1 DALI Zone 92	CDB-ICG-L07-02	local sensor only	none	DALI Group - G3_L7_Z02_PWD Current Scene
G4_L7_Z02_Steam_Room	CDB-ICG-L07-02-1 DALI Zone 92	CDB-ICG-L07-02	local sensor only	none	DALI Group - G4_L7_Z02_Steam_Room Current Scene
G5_L7_Z02_Sauna	CDB-ICG-L07-02-1 DALI Zone 92	CDB-ICG-L07-02	local sensor only	none	DALI Group - G5_L7_Z02_Sauna Current Scene
G1_L07_Z02_Kitchen	CDB-ICG-L07-02-2 DALI Zone 93	CDB-ICG-L07-02	local sensor only	none	DALI Group - G1_L07_Z02_Kitchen Current Scene
G2_L7_Z03_Lift_Lobby_Corridor	CDB-ICG-L07-03-1 DALI Zone 97	CDB-ICG-L07-03	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G2_L7_Z03_Lift_Lobby_Corridor Current Scene
G3_L7_Z03_Lift_Lobby	CDB-ICG-L07-03-1 DALI Zone 97	CDB-ICG-L07-03	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G3_L7_Z03_Lift_Lobby Current Scene
G5_L7_Z03_Lift_Lobby_Eastside	CDB-ICG-L07-03-3 DALI Zone 99	CDB-ICG-L07-03	time schedule	5-Scene Day-Afternoon-Evening-Night-Wee Hours 24/7	DALI Group - G5_L7_Z03_Lift_Lobby_Eastside Current Scene
G1_L07_Z04_Male_Amenities	CDB-ICG-L07-04-1 DALI Zone 100	CDB-ICG-L07-04	local sensor only	none	DALI Group - G1_L07_Z04_Male_Amenities Current Scene
G2_L07_Z04_Female_Amenities	CDB-ICG-L07-04-1 DALI Zone 100	CDB-ICG-L07-04	local sensor only	none	DALI Group - G2_L07_Z04_Female_Amenities Current Scene
G1_L07_Z04_Amenities_Corridor	CDB-ICG-L07-04-2 DALI Zone 101	CDB-ICG-L07-04	local sensor only	none	DALI Group - G1_L07_Z04_Amenities_Corridor Current Scene
G2_L07_Z04_Unisex_Toilet_LH	CDB-ICG-L07-04-2 DALI Zone 101	CDB-ICG-L07-04	local sensor only	none	DALI Group - G2_L07_Z04_Unisex_Toilet_LH Current Scene
G3_L07_Z04_Unisex_Toilet_RH	CDB-ICG-L07-04-2 DALI Zone 101	CDB-ICG-L07-04	local sensor only	none	DALI Group - G3_L07_Z04_Unisex_Toilet_RH Current Scene
G4_L07_Z04_Cleaners_Room	CDB-ICG-L07-04-2 DALI Zone 101	CDB-ICG-L07-04	local sensor only	none	DALI Group - G4_L07_Z04_Cleaners_Room Current Scene

8.3 Part B2 lighting control system Dynalite – IT2 and IT3 hotel corridors, L23 Skydeck

Name	Lighting Control System Gateway	Distribution Board	Control Type	iBAMS time schedule	Scene Control BACnet name
IT2-L07 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L07-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 07 T2%2FPreset
IT2-L08 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L08-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 08 T2%2FPreset
IT2-L09 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L09-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 09 T2%2FPreset
IT2-L10 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L10-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 10 T2%2FPreset
IT2-L11 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L11-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 11 T2%2FPreset
IT2-L12 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L12-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 12 T2%2FPreset
IT2-L13 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L13-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 13 T2%2FPreset
IT2-L14 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L14-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 14 T2%2FPreset
IT2-L15 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L15-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 15 T2%2FPreset
IT2-L16 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L16-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 16 T2%2FPreset
IT2-L17 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT2-L17-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 17 T2%2FPreset
IT3-L07 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L07-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 07 T3%2FPreset
IT3-L08 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L08-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 08 T3%2FPreset
IT3-L09 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L09-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 09 T3%2FPreset
IT3-L10 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L10-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 10 T3%2FPreset
IT3-L11 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L11-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 11 T3%2FPreset
IT3-L12 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L12-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 12 T3%2FPreset
IT3-L13 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L13-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 13 T3%2FPreset
IT3-L14 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L14-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 14 T3%2FPreset
IT3-L15 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L15-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 15 T3%2FPreset
IT3-L16 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L16-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 16 T3%2FPreset
IT3-L17 Corridor & Lift Lobby	Interact_BACnet_IP_Gateway	CDB-IT3-L17-01	Time schedule	3-Scene Day-Evening-Night 24/7	QW HALLWAYS %2FFloor Plans%2FAreas%2FLEVEL 17 T3%2FPreset

Name	Lighting Control System Gateway	Distribution Board	Control Type	iBAMS time schedule	Scene Control BACnet name
Skydeck Zone 2 Ambulant Amenities	Interact_BACnet_IP_Gateway	CDB-ISD-L23-01	Time schedule	2-Scene Day-Night 24/7	QUEENS WHARF (HOTEL CORRIDOR & PORTE COCHERE)%2FSKYDECK 2%2FSkydeck Tower 2 Amb Toilet%2FPreset
Skydeck Zone 2 Amenities	Interact_BACnet_IP_Gateway	CDB-ISD-L23-01	Time schedule	2-Scene Day-Night 24/8	QUEENS WHARF (HOTEL CORRIDOR & PORTE COCHERE)%2FSKYDECK 2%2FSkydeck Tower 2 Amenities%2FPreset
Skydeck Zone 2 Lift Lobby	Interact_BACnet_IP_Gateway	CDB-ISD-L23-01	Time schedule	2-Scene Day-Night 24/9	QUEENS WHARF (HOTEL CORRIDOR & PORTE COCHERE)%2FSKYDECK 2%2FSkydeck Tower 2 Lift Lobby%2FPreset
Skydeck Zone 3 Ambulant Amenities	Interact_BACnet_IP_Gateway	CDB-ISD-L23-02	Time schedule	2-Scene Day-Night 24/10	QUEENS WHARF (HOTEL CORRIDOR & PORTE COCHERE)%2FSKYDECK 3%2FSkydeck Tower 3 Amb Toilet%2FPreset
Skydeck Zone 3 Amenities	Interact_BACnet_IP_Gateway	CDB-ISD-L23-02	Time schedule	2-Scene Day-Night 24/11	QUEENS WHARF (HOTEL CORRIDOR & PORTE COCHERE)%2FSKYDECK 3%2FSkydeck Tower 3 Amenities%2FPreset
Skydeck Zone 3 P3-P5 Lift Lobby	Interact_BACnet_IP_Gateway	CDB-ISD-L23-02	Time schedule	2-Scene Day-Night 24/12	QUEENS WHARF (HOTEL CORRIDOR & PORTE COCHERE)%2FSKYDECK 3%2FSkydeck Tower 3 Lift Lobby (near Tower 4)%2FPreset
Skydeck Zone 3 G11-G14 Lift Lobby	Interact_BACnet_IP_Gateway	CDB-ISD-L23-02	Time schedule	2-Scene Day-Night 24/13	QUEENS WHARF (HOTEL CORRIDOR & PORTE COCHERE)%2FSKYDECK 3%2FSkydeck Tower 3 Lift Lobby%2FPreset
Skydeck External	Interact_BACnet_IP_Gateway	CDB-ISD-L23-01, CDB-ISD-L23-02, KDB-R-SD-01, KDB-R-SD-03	Time schedule	2-Scene Day-Night 24/14	QUEENS WHARF (HOTEL CORRIDOR & PORTE COCHERE)%2FSkydeck External%2FPreset
Skydeck Eyebrow	Interact_BACnet_IP_Gateway	CDB-ISD-L23-01, CDB-ISD-L23-02	Time schedule	1-Scene On 5:30pm-6am Skydeck Eyebrow	QUEENS WHARF (HOTEL CORRIDOR & PORTE COCHERE)%2FSkydeck Eyebrow%2FPreset

8.4 Part C lighting control system Dynalite – Lower Gaming, Upper Gaming

Name	Lighting Control System Gateway	Distribution Board	Type	IBAMS time schedule	Scene Control BACnet name
Area 5010 L5M Lobby	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5010.Preset
Area 5011 L5.Z2 BOH Store 1	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5011.Preset
Area 5012 L5.Z2 BOH Store Entry	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5012.Preset
Area 5014 L5 Gaming Zone 05-09	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5014.Preset
Area 5015 L5.Z1 Lift Lobby	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5015.Preset
Area 5016 L5 Gaming Zone 05-03	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5016.Preset
Area 5017 L5.Z1 BOH Corridor	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5017.Preset
Area 5018 L5.Z1 Dispense Bar	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5018.Preset
Area 5019 L5 Gaming Zone 05-04	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5019.Preset
Area 5020 L5.Z2 Stage (Equipments Room)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5020.Preset
Area 5021 L5.Z2 Amenities Corridor	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5021.Preset
Area 5022 L5 Northern Lockers (L05-FSG-109)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5022.Preset
Area 5023 L5.Z2 BOH-Kitchen (L05-CGL-149)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5023.Preset
Area 5025 L5.Z2 Promotions Area	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5025.Preset
Area 5026 L5.Z1 Cashier	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5026.Preset
Area 5027 L5.Z1 Promotion Area	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5027.Preset
Area 5054 L5.Z2 Southern Entry Zone 05-20	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5054.Preset
Area 5055 L5.Z2 Stage Zone 05-21	QW_Dynalite_StationTemplate_V8_210001	not provided	AV system controlled	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5055.Preset
Area 5058 L5 Gaming Zone 05-10	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5058.Preset
Area 5059 L5 Gaming Zone 05-12	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5059.Preset
Area 5060 L5.Z2 BOH Lift Lobby	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5060.Preset
Area 5061 L5.Z2 BOH Store 2	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5061.Preset
Area 5063 L5.Z2 First-Aid Room	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5063.Preset
Area 5064 L5 Gaming Zone 05-02	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5064.Preset
Area 5068 L5 Gaming Zone 05-07	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5068.Preset
Area 5069 L5 Gaming Zone 05-08	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5069.Preset
Area 5070 L5 Gaming Zone 05-06	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5070.Preset
Area 5072 L5.Z3 BOH-DBs	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5072.Preset
Area 5073 L5 Gaming Zone 05-05	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5073.Preset
Area 5077 L5.Z4 Amenities Corridor	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5077.Preset
Area 5078 L5.Z1 Northern Entry	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5078.Preset
Area 5080 L5.Z4 Male WC	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5080.Preset
Area 5081 L5.Z4 Female WC	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5081.Preset
Area 5082 L5.Z4 BOH Cashier	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5082.Preset
Area 5083 L5.Z4 BOH Safe (L05-FCS-006)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5083.Preset
Area 5084 L5.Z4 BOH Man Trap (L05-FCS-003)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5084.Preset
Area 5085 L5.Z4 BOH Staff Female WC	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5085.Preset
Area 5086 L5.Z4 BOH Staff Male WC	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5086.Preset
Area 5087 L5.Z4 BOH Cleaner	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5087.Preset
Area 5088 L5.Z4 BOH PWD	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5088.Preset
Area 5089 L5.Z4 BOH Room (3)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5089.Preset

Name	Lighting Control System Gateway	Distribution Board	Type	IBAMS time schedule	Scene Control BACnet name
Area 5090 L5.Z4 BOH Cage Office Area (L05-BCS-013)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5090.Preset
Area 5091 L5.Z4 BOH Breakout 05-15	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5091.Preset
Area 5092 L5.Z4 BOH F&B Storage	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5092.Preset
Area 5093 L5.Z4 BOH K2	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5093.Preset
Area 5094 L5.Z4 BOH K1	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5094.Preset
Area 5095 L5.Z4 BOH Corridor (L05-CSV-001)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5095.Preset
Area 5096 L5.Z4 BOH Main Cage (L05-FCS-007)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5096.Preset
Area 5097 L5.Z3 PWD (L05-AMG-130)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5097.Preset
Area 5098 L5.Z3 Cleaner	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5098.Preset
Area 5099 L5.Z3 Male WC	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5099.Preset
Area 5100 L5.Z3 Female WC	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5100.Preset
Area 5101 L5.Z3 05-08 Room	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5101.Preset
Area 5102 L5.Z3 FHR (L05-FCF-163)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5102.Preset
Area 5103 L5.Z2 PWD	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5103.Preset
Area 5104 L5.Z2 Cleaner	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5104.Preset
Area 5105 L5.Z2 Female WC	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5105.Preset
Area 5106 L5.Z2 Male WC	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5106.Preset
Area 5108 L5.Z1 Northern ATM 2 (L05-FSG-108)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5108.Preset
Area 5109 L5.Z3 Kitchen Entry	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5109.Preset
Area 5111 L5.Z4 BOH Fat Noodle Hot Area (L05-FCF-146)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5111.Preset
Area 5113 L5.Z4 BOH Fat Noodle Kitchen (L05-FCF-120)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5113.Preset
Area 5114 L5.Z3 Amenities Corridor	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5114.Preset
Area 5116 L5.Z3 BOH Store	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5116.Preset
Area 5117 L5.Z3 BOH Lift	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 5117.Preset
Area 5119 L5.Z4 BOH Chip Bank (L05-FCS-005)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5119.Preset
Area 5120 L5.Z2 Lift Lobby	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5120.Preset
Area 5121 L5.Z3 Promotion Area	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5121.Preset
Area 5122 L5.Z3 Lobby Corridor	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 5122.Preset
Area 5153 L5 Cheery Bar 05-13	QW_Dynalite_StationTemplate_V8_210001	not provided	AV system controlled	none	Area 5153.Preset
Area 5154 L5 Sports Bar Zone 05-19	QW_Dynalite_StationTemplate_V8_210001	not provided	AV system controlled	none	Area 5154.Preset
Area 5157 L5 Food Quarter Zone 05-17	QW_Dynalite_StationTemplate_V8_210001	not provided	AV system controlled	none	Area 5157.Preset
Area 5158 L5 Fat Noodles Restaurant	QW_Dynalite_StationTemplate_V8_210001	not provided	AV system controlled	none	Area 5158.Preset
Area 5159 L5 Live Bar Zone 05-11	QW_Dynalite_StationTemplate_V8_210001	not provided	AV system controlled	none	Area 5159.Preset
Area 6008 L6 BOH Corridor (L06-CSV-122)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6008.Preset
Area 6022 L6.Z3 BOH Corridor (L06-CSV-121)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6022.Preset
Area 6027 L6 Dispense Bar Zone 06-17	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6027.Preset
Area 6028 L6.Z3 Corridor (L06-CSV-123)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6028.Preset
Area 6029 L6.Z3 Oasis Amenities Corridor	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6029.Preset
Area 6030 L6.Z2 Corridor WC (L06-AMG-205)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6030.Preset
Area 6031 L6 Sovereign PDR Store (L06-FCF-222)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6031.Preset

Name	Lighting Control System Gateway	Distribution Board	Type	IBAMS time schedule	Scene Control BACnet name
Area 6032 L6.Z2 PWD (L06-AMG-207)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6032.Preset
Area 6033 L6.Z2 Cleaner (L06-AMG-128)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6033.Preset
Area 6034 L6.Z2 Male WC (L06-AMG-205)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6034.Preset
Area 6035 L6.Z2 Female WC (L06-AMG-124)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6035.Preset
Area 6036 L6.Z2 Cleaner	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6036.Preset
Area 6037 L6.Z2 Amb WC	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6037.Preset
Area 6039 L6.Z2 Sovereign Female WC (L06-AMG-220)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6039.Preset
Area 6040 L6.Z2 Sovereign Male WC (L06-AMG-218)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6040.Preset
Area 6041 L6.Z3 Cleaner	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6041.Preset
Area 6042 L6.Z3 Amb WC	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6042.Preset
Area 6044 L6.Z3 Oasis Male WC (L06-AMG-203)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6044.Preset
Area 6045 L6.Z3 Oasis Female WC (L06-AMG-125)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6045.Preset
Area 6046 L6.Z3 PWD (L06-AMG-129)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6046.Preset
Area 6047 L6.Z3 Male WC (L06-AMG-219)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6047.Preset
Area 6048 L6.Z3 Female WC (L06-AMG-201)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6048.Preset
Area 6049 L6.Z3 Cleaner (L06-AMA-125)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6049.Preset
Area 6053 Level 6 SW6.07	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6053.Preset
Area 6054 L6.Z2 BOH Corridor	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6054.Preset
Area 6055 L6.Z3 Cashier	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6055.Preset
Area 6056 L6.Z3 BOH Lift	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6056.Preset
Area 6057 L6.Z3 BOH Entry	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6057.Preset
Area 6060 L6.Z2 Sovereign Cashier (L06-FCS-224)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6060.Preset
Area 6061 L6.Z2 Sovereign Card & Chip (L06-FCG-206)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6061.Preset
Area 6062 L6.Z2 Sovereign Amenities Airlock (L06-AMG-200)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6062.Preset
Area 6063 L6.Z3 Oasis Amenities Airlock (L06-AMG-211)	QW_Dynalite_StationTemplate_V8_210001	not provided	local sensor only	none	Area 6063.Preset
Area 6131 L6 Oasis Concierge (L06-FSG-206)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6131.Preset
Area 6134 L6 Sovereign F&B Zone 06-14	QW_Dynalite_StationTemplate_V8_210001	not provided	AV system controlled	none	Area 6134.Preset
Area 6141 L6 Sovereign Gaming Zone 06-01	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6141.Preset
Area 6142 L6 Sovereign Gaming Zone 06-02	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6142.Preset
Area 6143 L6 Sovereign Gaming Zone 06-03	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6143.Preset
Area 6144 L6 Sovereign Gaming Zone 06-04	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6144.Preset
Area 6145 L6 Oasis Gaming Zone 06-05	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6145.Preset
Area 6146 L6 Oasis Gaming Zone 06-06	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6146.Preset
Area 6147 L6 Oasis Gaming Zone 06-07	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6147.Preset
Area 6148 L6 Oasis Gaming Zone 06-08	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6148.Preset
Area 6149 L6 Oasis Bar + Lounge Zone 06-11	QW_Dynalite_StationTemplate_V8_210001	not provided	AV system controlled	none	Area 6149.Preset
Area 6156 L6 Sovereign - Oasis Link Corridor (L06-CGL-203)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6156.Preset
Area 6157 L6 Sovereign PDR 1 (L06-FCF-207)	QW_Dynalite_StationTemplate_V8_210001	not provided	AV system controlled	none	Area 6157.Preset
Area 6158 L6 Sovereign Concierge (L06-FSG-149)	QW_Dynalite_StationTemplate_V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6158.Preset
Area 6159 L6 Sovereign PDR2 (L06-FCF-209)	QW_Dynalite_StationTemplate_V8_210001	not provided	AV system controlled	none	Area 6159.Preset

Name	Lighting Control System Gateway	Distribution Board	Type	iBAMS time schedule	Scene Control BACnet name
Area 6163 L6 Sovereign BuY-in Room	QW_Dynalite_StationTemplate _V8_210001	not provided	time schedule	5-Scene Day-Evening-Night-LateNight-WeeHours 24/7	Area 6163.Preset
Feature Area 10201 LiveBar DMX	QW_Dynalite_StationTemplate _V8_210001	not provided	AV system controlled	none	Area 10201.Preset
Feature Area 10202 CherryBar DMX	QW_Dynalite_StationTemplate _V8_210001	not provided	AV system controlled	none	Area 10202.Preset
Feature Area 10203 Oculus DMX	QW_Dynalite_StationTemplate _V8_210001	not provided	AV system controlled	none	Area 10203.Preset

9 DALI output device schedule (C-Bus only)

Name	Lighting Zone	Lighting Control System Gateway
B01_Zone_02_Error_B01_02_D01_Line A Short 1 (0.206.11.1)	ICG-B02 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B01_02_D01_Line A Short 2 (0.206.11.2)	ICG-B02 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B01_02_D01_Line A Short 3 (0.206.11.3)	ICG-B02 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B01_02_D01_Line A Short 4 (0.206.11.4)	ICG-B02 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B01_02_D01_Line A Short 5 (0.206.11.5)	ICG-B02 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line A Short 1 (0.206.12.1)	ICG-B03 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line A Short 10 (0.206.12.10)	ICG-B03 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line A Short 2 (0.206.12.2)	ICG-B03 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line A Short 3 (0.206.12.3)	ICG-B03 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line A Short 4 (0.206.12.4)	ICG-B03 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line A Short 5 (0.206.12.5)	ICG-B04 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line A Short 6 (0.206.12.6)	ICG-B04 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line A Short 7 (0.206.12.7)	ICG-B04 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line A Short 8 (0.206.12.8)	ICG-B04 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line A Short 9 (0.206.12.9)	ICG-B04 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line B Short 1 (0.206.12.14)	ICG-B05 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line B Short 2 (0.206.12.15)	ICG-B05 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line B Short 3 (0.206.12.16)	ICG-B05 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line B Short 4 (0.206.12.17)	ICG-B05 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_02_Error_B03_02_D01_Line B Short 5 (0.206.12.18)	ICG-B05 IT2 Lift Lobby	B01_Zone2_NAC_130002
B01_Zone_03_Error_B01_03_D01_Line A Short 1 (0.206.11.1)	ICG-B01 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B01_03_D01_Line A Short 2 (0.206.11.2)	ICG-B01 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B01_03_D01_Line A Short 3 (0.206.11.3)	ICG-B01 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B01_03_D01_Line A Short 4 (0.206.11.4)	ICG-B01 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B01_03_D01_Line A Short 5 (0.206.11.5)	ICG-B01 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B01_03_D01_Line B Short 1 (0.206.11.7)	ICG-B02 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B01_03_D01_Line B Short 2 (0.206.11.8)	ICG-B02 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B01_03_D01_Line B Short 3 (0.206.11.9)	ICG-B02 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B01_03_D01_Line B Short 4 (0.206.11.10)	ICG-B02 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B01_03_D01_Line B Short 5 (0.206.11.11)	ICG-B02 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line A Short 1 (0.206.12.1)	ICG-B03 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line A Short 10 (0.206.12.10)	ICG-B03 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line A Short 2 (0.206.12.2)	ICG-B03 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line A Short 3 (0.206.12.3)	ICG-B03 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line A Short 4 (0.206.12.4)	ICG-B03 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line A Short 5 (0.206.12.5)	ICG-B04 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line A Short 6 (0.206.12.6)	ICG-B04 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line A Short 7 (0.206.12.7)	ICG-B04 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line A Short 8 (0.206.12.8)	ICG-B04 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line A Short 9 (0.206.12.9)	ICG-B04 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line B Short 1 (0.206.12.12)	ICG-B05 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line B Short 2 (0.206.12.13)	ICG-B05 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line B Short 3 (0.206.12.14)	ICG-B05 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line B Short 4 (0.206.12.15)	ICG-B05 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_03_Error_B03_03_D01_Line B Short 5 (0.206.12.16)	ICG-B05 IT3 Lift Lobby	B01_Zone3_NAC_130003
B01_Zone_04_Error_B01_04_D01_Line A Short 1 (0.206.11.1)	ICG-B01 IT4 Residential Lift Lobby	B01_Zone4_NAC_130004
B01_Zone_04_Error_B01_04_D01_Line A Short 2 (0.206.11.2)	ICG-B01 IT4 Residential Lift Lobby	B01_Zone4_NAC_130004
B01_Zone_04_Error_B01_04_D01_Line A Short 3 (0.206.11.3)	ICG-B01 IT4 Residential Lift Lobby	B01_Zone4_NAC_130004
B01_Zone_04_Error_B01_04_D01_Line A Short 4 (0.206.11.4)	ICG-B01 IT4 Residential Lift Lobby	B01_Zone4_NAC_130004

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10 System-specific integration considerations

10.1 Dynalite JACE BACnet gateway observing communication failures within Dynalite system (Part C L05 and L06 Lower Gaming)

When comms lost between JACE and the downstream Dynalite gateway, there is no alarms visible on BACnet interface but the hosted BACnet objects "Status flag" changes to fault and "Reliability" changes to "communication-failure" (12). We will need to monitor these properties for alarming.

Application x

Quick filter

JACE has lost comms with Dynalite gateway

Name	Object ID	Value
Area 5011.Preset_Active	<binary-input, 22>	false
Area 5012.Channel_Level_1	<analog-value, 442>	0.00
Area 5012.Number of Ball...	<analog-input, 12>	1.00
Area 5012.Preset	<analog-value, 530>	4.00
Area 5012.Preset_Active	<binary-input, 25>	false
Area 5014.Channel_Level_1	<analog-value, 472>	100.00
Area 5014.Number of Ball...	<analog-input, 28>	1.00
Area 5014.Preset	<analog-value, 533>	1.00
Area 5015.Channel_Level_1	<analog-value, 435>	100.00
Area 5015.Channel_Level_2	<analog-value, 445>	82.00
Area 5015.Channel_Level_3	<analog-value, 536>	71.00
Area 5015.Number of Ball...	<analog-input, 9>	0.00
Area 5015.Preset	<analog-value, 450>	1.00
Area 5016.Channel_Level_1	<analog-value, 433>	100.00
Area 5016.Channel_Level_2	<analog-value, 539>	100.00
Area 5016.Channel_Level_3	<analog-value, 480>	100.00
Area 5016.Channel_Level_4	<analog-value, 439>	100.00

Basic Advanced Command

General Information

Status Information

Value Force 1

Status flags

☐ In alarm

☒ Fault

☐ Overridden

☐ Out of service

Out of service False

Reliability communication-failure

Event state Normal

Alarm state Normal

Configuration Settings

COV increment 1

Minimum value -∞

Maximum value ∞

Bindings

value Force 1

stflag Force 4

reliable Force 12

Reliability 12 = communication-failure

When comms restored, fault status flag remains active and reliability changes to "unreliable-other" (7) until preset value change, then statuses return to normal

Name	Object ID	Value
Area 5002.Preset_Active	<binary-input, 5>	false
Area 5003.Preset_Active	<binary-input, 46>	true
Area 5004.Preset_Active	<binary-input, 47>	false
Area 5005.Preset_Active	<binary-input, 48>	false
Area 5006.Preset_Active	<binary-input, 49>	false
Area 5007.Preset_Active	<binary-input, 50>	false
Area 5008.Preset_Active	<binary-input, 51>	false
Area 5009.Preset_Active	<binary-input, 52>	false
Area 5010.Channel_Level_1	<analog-value, 463>	61.00
Area 5010.Channel_Level_2	<analog-value, 524>	61.00

Basic	Advanced	References
General Information		
Status Information		
Value	Force	false
Status flags	<input type="checkbox"/> In alarm <input checked="" type="checkbox"/> Fault <input type="checkbox"/> Overridden <input type="checkbox"/> Out of service	
Out of service	False	
Reliability	unreliable-other	

Bindings

value Force 1

stflag Force 4

reliable Force 7

Status flags 4 = Fault

Reliability 7 = unreliable-other

Application × N4_Dynalite_StationTemplate_V8_210001 ×

Quick filter JACE has comms to Dynalite gateway restored

Name	Object ID	Value
Area 5011.Preset_Active	<binary-input, 22>	false
Area 5012.Channel_Level_1	<analog-value, 442>	0.00
Area 5012.Number of Ball...	<analog-input, 12>	1.00
Area 5012.Preset	<analog-value, 530>	4.00
Area 5012.Preset_Active	<binary-input, 25>	false
Area 5014.Channel_Level_1	<analog-value, 472>	100.00
Area 5014.Number of Ball...	<analog-input, 28>	1.00
Area 5014.Preset	<analog-value, 533>	1.00
Area 5015.Channel_Level_1	<analog-value, 435>	100.00
Area 5015.Channel_Level_2	<analog-value, 445>	82.00
Area 5015.Channel_Level_3	<analog-value, 536>	71.00
Area 5015.Number of Ball...	<analog-input, 9>	0.00
Area 5015.Preset	<analog-value, 450>	1.00
Area 5016.Channel_Level_1	<analog-value, 433>	100.00
Area 5016.Channel_Level_2	<analog-value, 539>	100.00

Basic	Advanced	Command	Referer
General Information			
Status Information			
Value	Force	1	
Status flags	<input type="checkbox"/> In alarm <input checked="" type="checkbox"/> Fault <input type="checkbox"/> Overridden <input type="checkbox"/> Out of service		
Out of service	False		
Reliability	no-fault-detected		
Event state	Normal		
Alarm state	Normal		
Configuration Settings			
COV increment	1		

Bindings

value Force 4

stflag Force 0






reliable Force 0

10.2 zencontrol DALI group typical BACnet Points List

The table below is a summary of typical BACnet objects available per zencontrol DALI Switching Group (Lighting Zone). Refer zencontrol_control_PICS_Inputs.pdf in Appendix B for detailed description of BACnet objects.

Name	Object ID	BACnet type
DALI Group - Group 1 Comms Failure Status	<binary-value, 321>	binary-value
DALI Group - Group 1 Current Scene	<analog-value, 273>	analog-value
DALI Group - Group 1 Gear Failure Status	<binary-value, 305>	binary-value
DALI Group - Group 1 Inhibit State	<analog-value, 289>	analog-value
DALI Group - Group 1 Lamp Failure State	<binary-value, 289>	binary-value
DALI Group - Group 1 Light Level	<analog-value, 257>	analog-value
DALI Group - Group 1 Maximum Light Level	<analog-value, 321>	analog-value
DALI Group - Group 1 Minimum Light Level	<analog-value, 305>	analog-value
DALI Group - Group 1 Occupancy State	<binary-value, 257>	binary-value

Regarding light level BACnet objects:

Name	Value
 DALI Group - G1_Ballroom_1 Current Scene	3.00
 DALI Group - G1_Ballroom_1 Gear Failure Status	Inactive
 DALI Group - G1_Ballroom_1 Inhibit State	0.00
 DALI Group - G1_Ballroom_1 Lamp Failure State	Inactive
 DALI Group - G1_Ballroom_1 Light Level	255.00

The light level of a DALI Group is represented on the zencontrol application controller BACnet interface as an analog value that scales between 0-254 for 0-100% or 255 for null, as shown in the table below:

Value	Description
0	Light level at 0%
254	Light level at 100%
255	null light level. This occurs for any of the following reasons: <ol style="list-style-type: none"> 1. There is an active Comms Failure, Lamp Failure or Gear Failure on a fitting within the DALI group. 2. Light levels are not uniform between fittings within the group, eg if different light levels commissioned for different fittings in a particular scene.

If the DALI Group is a Master Trigger Group, the light level of the underlying channels is not reported. As such, iBAMS does not report the light levels of zencontrol DALI groups.

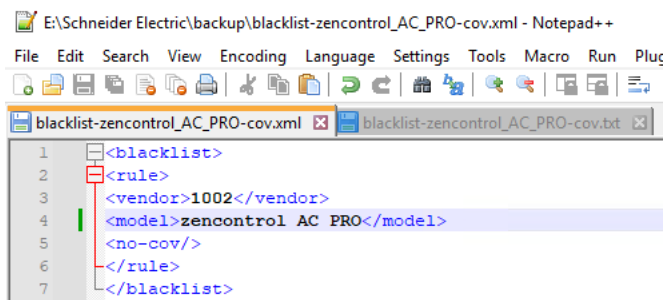
10.3 EBO BACnet rules to disable COV for zencontrol devices (Part B1 L00 to L07)

As per interface FAT M-MPX-SCH-FAT-ICT-TF-IRD-71013, there is a BACnet protocol COV service implementation mismatch between EBO and zencontrol. Zencontrol advertises COV support but BACnet objects on the zencontrol application controller interface do not update in EBO with COV.

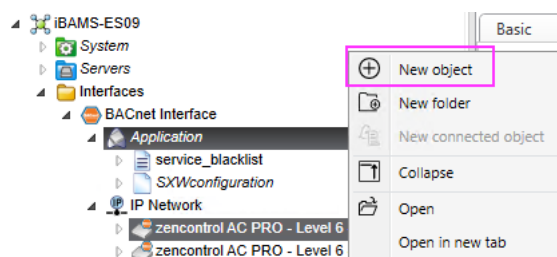
To resolve, the EBO Server BACnet Interface must disable COV for zencontrol devices. This step is described in <https://community.se.com/t5/Building-Automation-Knowledge/BACnet-RULES-implementation-to-disable-features-such-as/ta-p/839> (and M-MPX-SCH-FAT-ICT-TF-IRD-71013).

Note this means all zencontrol device BACnet object values are polled instead of subscribed over COV. Consider the increased load when sizing the interface/s.

1. Create a blacklist rules xml file as follows:



2. Repeat the rule tag for all zencontrol models in the system, eg:
 - a. zencontrol AC PRO
 - b. zencontrol AC
3. Save xml as .txt extension as EBO doesn't allow an xml format documents to be uploaded.
4. BACnet Interface > Application > New object



5. Document > Name: service_blacklist, select the blacklist xml file saved with a .txt extension

Create New Object: Document

Select type and name the object

Quick filter

- Alarm
- Point
- Program
- Schedule
- Trend
- Value
- View
- Document
- Folder

Name: **service_blacklist**

Path: /iBAMS-ES09/Interfaces/BACnet Interface/Application

Description:

System Tree

- iBAMS-ES09
 - System
 - Servers
 - Interfaces
 - BACnet Interface
 - Application
 - service_blacklist**
 - SXWconfiguration
 - IP Network
 - zencontrol AC PRO - Le
 - zencontrol AC PRO - Le
 - zencontrol AC PRO - Le
 - zencontrol AC PRO - Le

service_blacklist

Basic | References

General Information

Name: service_blacklist

Description:

Type: Document

Foreign address: Null

Modified: 11/01/2024 9:18:47 AM

Note 1:

Note 2:

Validation: None

Configuration Settings

File: blacklist-zencontrol_AC_PRO-cov.txt

blacklist-zencontrol_AC_PRO-cov.txt - Notepad

```

File Edit Format View Help
<blacklist>
<rule>
<vendor>1002</vendor>
<model>zencontrol AC PRO</model>
<no-cov/>
</rule>
</blacklist>
  
```

6. Adjust the minimum polling interval to handle the zencontrol network size:

BACnet Interface

List View | Time Synchronization Recipients | Enrollment Summary | Event Information

Basic | Advanced | References

Time Synchronization Settings

Align intervals: True

Time synchronization interval (min): Days 0, Hours 1, Minutes 0

Interval offset (min): Days 0, Hours 0, Minutes 38

Advanced Polling Configuration

Minimum polling interval for local IP network (ms): 1,000

Minimum polling interval for remote networks (ms): 0

Enable polling forced status: True

10.4 C-Bus NAC DALI output device BACnet error status reporting (Part A Basement, L00, L01)

Refer Schneider Electric Support Case# 108804659 Queens Wharf NAC/EBO BACnet issue

NACs must be running 1.17.xxx firmware or later to ensure Error status objects are reporting as 24-bit BACnet AV objects, not 28 or 32-bit, which can be transferred over BACnet without rounding errors via IEEE 754 format.

NAC:

L00_Zone_01,05/Error/L01_01_D01/Line A Short 0 0/206/13/0 MS.undefined/Ballast failure, Lamp failure, Lamp on, Power failure, Emergency light failure, Ballast missing MR.General failure/Lamp off, Ballast missing			
2 (AV)	302	L00_Zone_01,05/Error/L01_01_D01/Line A Short 0	3932032

EBO:

Object name	Object type	Property name	Path	Value
L00_Zone_01,05 . Error . L00_01_D01 . Line A Short 7 (0.206.11.7)	BACnet Analog Value (Generic)	Value	/BAMS-ES07/Interfaces/BACnet Inter...	3,800,836.00
L00_Zone_01,05 . Error . L01_01_D01 . Line A Short 0 (0.206.13.0)	BACnet Analog Value (Generic)	Value	/BAMS-ES07/Interfaces/BACnet Inter...	3,932,032.00
L00_Zone_01,05 . Error . L01_01_D01 . Line B Short 38 (0.206.13.102)	BACnet Analog Value (Generic)	Value	/BAMS-ES07/Interfaces/BACnet Inter...	3,866,380.00
L00_Zone_01,05 . Error . L01_01_D02 . Line B Short 23 (0.206.14.87)	BACnet Analog Value (Generic)	Value	/BAMS-ES07/Interfaces/BACnet Inter...	3,866,370.00

Bit 0	Most Recent	Ballast Failure
Bit 1	Most Recent	Lamp Failure
Bit 2	Most Recent	Lamp Power
Bit 3	Most Recent	Power Failure
Bit 4	Most Recent	Emergency Failure
Bit 5	Most Recent	Unused
Bit 6	Most Recent	Unused
Bit 7	Most Recent	Ballast Present

Watch View x value32getbits 0.206.13.0 x

Variables Code

Filter properties

Category Basic Inputs On

value

Bindings

Bit0	Force	0	
Bit1	Force	0	
Bit2	Force	0	lamp off
Bit3	Force	0	
Bit4	Force	0	
Bit5	Force	0	
Bit6	Force	0	
Bit7	Force	1	ballast missing

Appendix A: BACnet schedules by lighting control system integrator

Included:

1. Part A ICG basement, L00-L01 C-Bus lighting control system by Fredon
2. Part B1 L01-L07 zencontrol lighting control system by SDF/Smartscape
3. Part B2 IT2 and IT3 Dynalite lighting control system by Perigon/Bluebottle
4. Part B2 ISD L23 Dynalite lighting control system by Perigon/Bluebottle
5. Part C L05-L06 Lower Gaming Dynalite lighting control system by SDF/iAutomation
6. TBC Part C ISD L20-21 Upper Gaming Dynalite lighting control system by SDF/iAutomation