



Our Technology **Empowers** Lighting for Your **Space**

Georgina Multi-Use Recreation Complex (MURC) Location: Georgina, ON, Canada Agent: Acuity Brands GTA
Specifier: Mulvey & Banani / Mulvey & Banani Lighting / Perkins & Will Photographer: Scott Norsworthy



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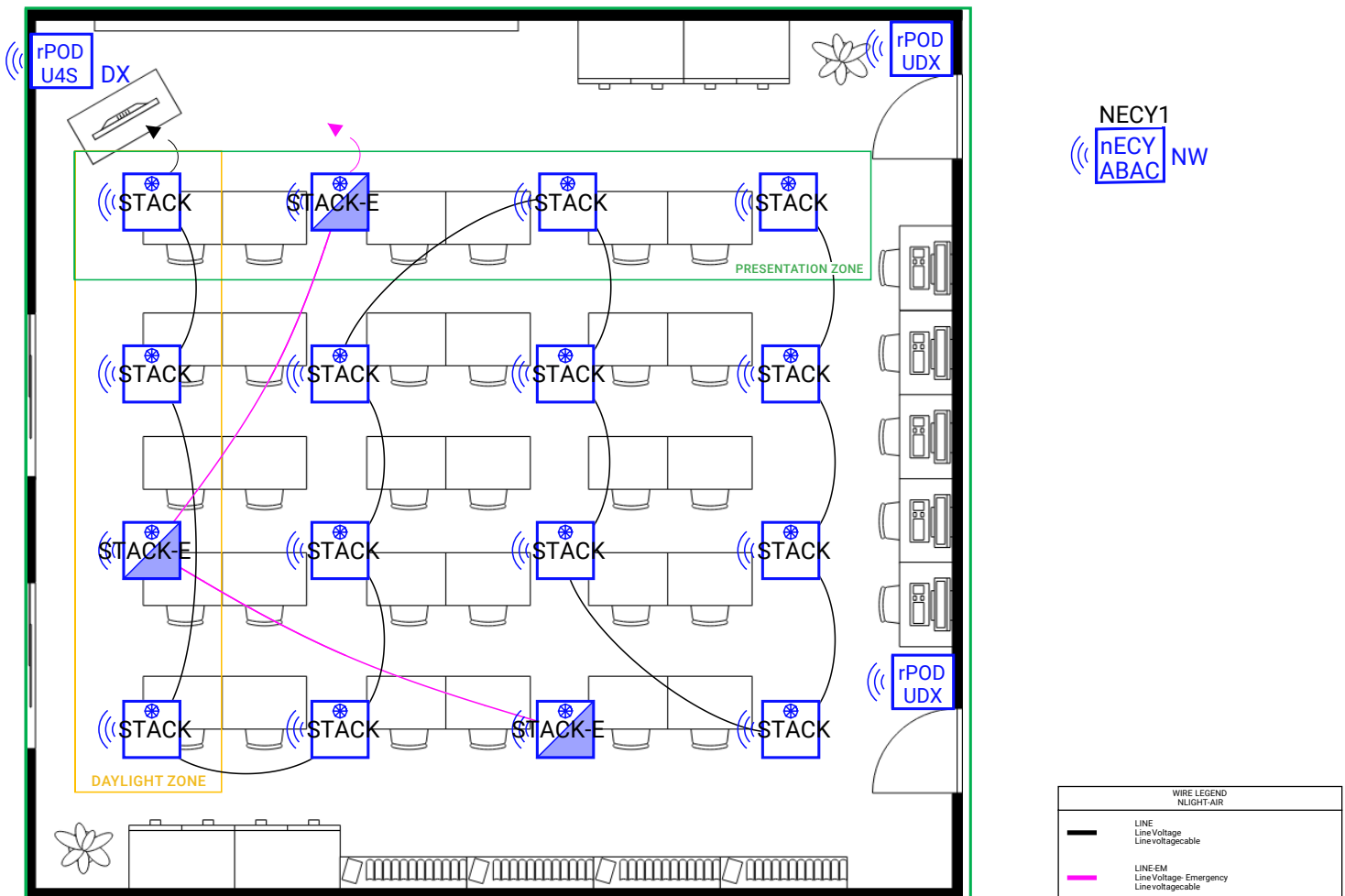
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From Chalkboards to Smartboards, New Builds to Retrofits – What Classroom Environment Are You Setting Up for Success?

Classrooms are collaborative spaces that require a balance of function, well-being, and energy efficiency to operate effectively. Just as the teachers within the classroom shape the minds of students, lighting design shapes the experience within the classroom itself. Functional and strategic classroom lighting design is fundamental to creating a productive and comfortable learning environment.





When designing these spaces, consider how lighting will be designed for glare control, daylight harvesting, addressing emergency lighting requirements, and student well-being. Below are two tailored solutions offering a wireless and wired networked lighting control solution, as not every project requires the same system just as not every student requires the same learning path.

CLASSROOM A



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Classroom A is a classroom with wireless networked embedded lighting controls – recommended for retrofits and renovations to reduce time, cost and labor with rewiring.

Area/Zone	Symbol	Units	Product	Available with	Operational Details
General Classroom Daylight Zone Presentation Zone		13	STACK Lay In Panel by Lithonia Lighting®	Available with an LED driver by eldoLED® providing smooth, flicker-safe dimming to 1%, electronic dim to off, and analog 0-10V control interface Available with an embedded wireless nLight® AIR daylight and occupancy sensor	General lighting
General Classroom Daylight Zone Presentation Zone		13	STACK Lay In Panel by Lithonia Lighting	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming to 1%, electronic dim to off, and analog 0-10V control interface Available with an embedded wireless nLight AIR daylight and occupancy sensor Available with an ILB Series emergency driver by IOTA® providing integrated battery back-up and constant power output over the required 90-minute emergency runtime, and enabled with self-testing automated reporting (STAR)	General lighting and emergency operation
General Classroom (Entryways)		2	rPODU DX Wall Switch by nLight		Manual control of STACK Lay In Panels
General Classroom		1	rPODU 4S DX Wall Switch by nLight		Manual and scene control of STACK Lay In Panels
Located within Building	ABAC		nECY Ecyplse System Controller by nLight		The nLight networked lighting control system interfaces with Building Management Systems (BACnet®, BACnet/IP) and A/V systems Time schedules (C405.2.2.1 - Time-Switch Controls) can be enabled with nLight Ecyplse System Controller

Software



SensorView:

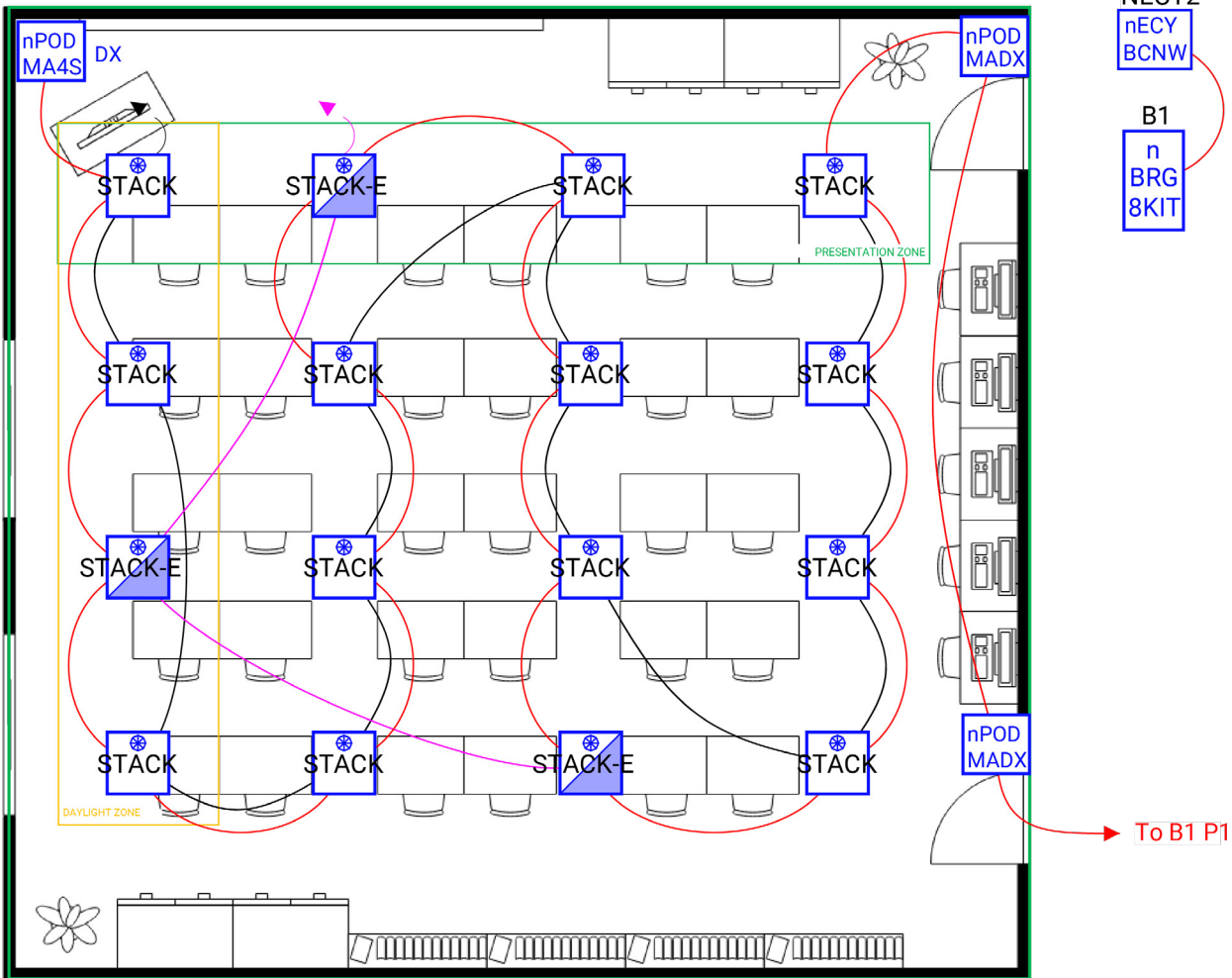
- Gain visibility into the health of the nLight system. Configure and manage general lighting network, including schedules and dynamic settings to adapt based on time of day.



Visual Installer:

- View project plans, capture device IDs, track installation status, and generate as-builts.

CLASSROOM B









WIRE LEGEND N/LIGHT-WIRED	
—	CAT5 nLight CAT5e nLight Pre-terminated CAT5e cable for nLight communication network
—	LINE Line Voltage Line voltage cable
—	LINE-EM Line Voltage - Emergency Line voltage cable



Created in Visual™ Controls

Classroom B is a classroom with wired networked embedded lighting controls – recommended for new construction projects.

Area/Zone	Symbol	Units	Product	Available with	Operational Details
General Classroom Daylight Zone Presentation Zone		13	STACK Lay In Panel by Lithonia Lighting	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming to 1%, electronic dim to off, and analog 0-10V control interface Available with an embedded wired nLight daylight and occupancy sensor	General lighting
General Classroom Daylight Zone Presentation Zone		13	STACK Lay In Panel by Lithonia Lighting	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming to 1%, electronic dim to off, and analog 0-10V control interface Available with an embedded wired nLight daylight and occupancy sensor Available with an ILB Series emergency driver by IOTA providing integrated battery back-up and constant power output over the required 90-minute emergency runtime, and enabled with self-testing automated reporting (STAR)	General lighting and emergency operation
General Classroom (Entryways)		2	nPODMA DX Wall Switch by nLight		Manual control of STACK Lay In Panels
General Classroom		1	rPODMA 4S DX Wall Switch by nLight		Manual and scene control of STACK Lay In Panels
Located within Building			nECY Ecyplse System Controller by nLight		The nLight networked lighting control system interfaces with Building Management Systems (BACnet®, BACnet/IP) and A/V systems Time schedules (C405.2.2.1 - Time-Switch Controls) can be enabled with nLight Ecyplse System Controller
Located within Building		1	nBRG 8 Bridge Kit by nLight		nBRG increases the number of lighting control zones in an nLight system

Software



SensorView:

- Gain visibility into the health of the nLight system. Configure and manage general lighting network, including schedules and dynamic settings to adapt based on time of day.

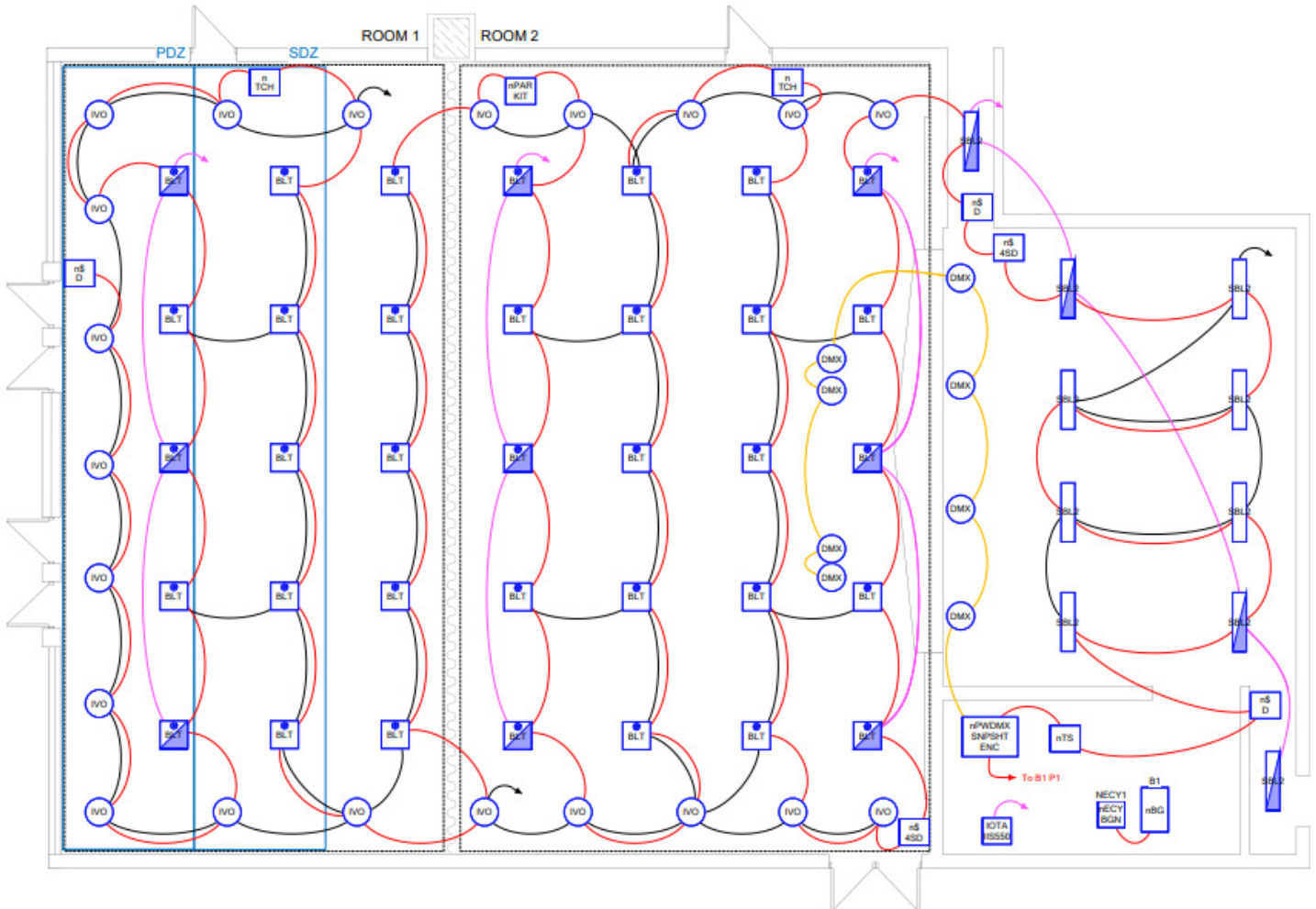


Visual Installer:

- View project plans, capture device IDs, track installation status, and generate as-builts.

Will Your Everyday Cafeteria Transform Into a Cafetorium On Demand?

Cafeterias are functional, high-traffic environments that can accommodate diverse use cases. With the ability to co-exist as an on-demand cafetorium, supporting presentations, performances, assemblies, and more, lighting design is central to achieving the desired experience. When designing this space, consider how lighting will be designed for daylight harvesting, partitioning the room, setting the stage, while addressing emergency lighting requirements.
















WIRE LEGEND LC1.0 (EXXX)	
—	CAT5 nLight CAT5e nLight Pre-terminated CAT5e cable for nLight communication network
—	DMX DMX DMX cable (BELDEN 9829)
—	LINE Line Voltage Line voltage cable
—	LINE Line Voltage Emergency Line voltage cable





Created in Visual™ Controls

Bill of Materials and Operational Details

Area/Zone	Symbol	Units	Product	Available with	Operational Details
Room 1 Room 2 Primary Daylight Zone (PDZ) Secondary Daylight Zone (SDZ)		21	Gotham® IVO Round Downlights (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming to 0.1%, electronic dim to off, and DMX control interface. Available with a wired networked embedded control device by nLight	Perimeter lighting
Room 1 Room 2 Primary Daylight Zone Secondary Daylight Zone		9	BLT troffers by Lithonia Lighting (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 1%, electronic dim to off, and analog 0-10V control interface. Available with a wired networked embedded occupancy and daylight sensor by nLight and a wired networked embedded control device with UL924 emergency operation by nLight	For general lighting and emergency lighting
Room 1 Room 2 Primary Daylight Zone Secondary Daylight Zone		26	BLT troffers by Lithonia Lighting (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 1%, electronic dim to off, and analog 0-10V control interface. Available with a wired networked embedded occupancy and daylight sensor by nLight	For general lighting
Front and Over Stage Area		6	SBL LED wraparound by Lithonia Lighting (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 1%, electronic dim to off, and analog 0-10V control interface. Available with a wired networked embedded occupancy and daylight sensor by nLight and a wired networked embedded control device with UL924 emergency operation by nLight	For general lighting and emergency lighting
Front and Over Stage Area		4	SBL LED wraparound by Lithonia Lighting (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 1%, electronic dim to off, and analog 0-10V control interface. Available with a wired networked embedded occupancy and daylight sensor by nLight	For general lighting
Room 1 Room 2 Secondary Daylight Zone		2	nPOD Touch Low Voltage Wired Wallpod by nLight		Manual control of BLT troffers, SBL LED Wraparound, IVO Round Downlights as well as partitioned local room control of Room 1 and Room 2
Room 2 Front and Over Stage Area		2	nPODMA 4SD Wired Wallpod by nLight		Manual control and scene control of BLT troffers and SBL LED Wraparound for presentation mode, dim modes, or can be reprogrammed for special events
Room 1 Front and Over Stage Area Primary Daylight Zone		3	nPODMA DX Wired Wallpod by nLight		Manual control of BLT troffers, SBL LED Wraparound, IVO Round Downlights
Front and Over Stage Area		1	nBRG 8 Bridge Kit by nLight		nBRG increases the number of lighting control zones in an nLight system
Front and Over Stage Area		1	nECY nLight Eclipse System Controller		The nLight networked lighting control system interfaces with Building
Room 2		1	nPARTITION KIT Wired Room Partition Kit by nLight		Detects the opening and closure of partitioned spaces between Room 1 and Room 2 to accommodate different lighting controls schemes
Front and Over Stage Area		1	Snapshot Controller by nLight		Operates devices by nLight, stage lights and hosting the DMX input for a theatrical lighting controller
Front and Over Stage Area		1	nTS 7" Touchscreen by nLight		Manual control for static DMX scene section and general control of stage lighting and cafeteria lighting

Bill of Materials and Operational Details

Area/Zone	Symbol	Units	Product	Available with	Operational Details
Front and Over Stage Area		8	Front and Over Stage lights provided by 3rd party		
Front and Over Stage Area		1	IIS550 Mini AC Inverter by IOTA		Assuming building is not designed with a generator use: IIS550 Mini AC Inverter by IOTA to supply AC power to designated luminaires

Software



Pathscope:

- Configure and manage DMX lighting network.



SensorView:

- Gain visibility into the health of the nLight system. Configure and manage general lighting network, including schedules and dynamic settings to adapt based on time of day.



Visual Installer:

- View project plans, capture device IDs, track installation status, and generate as-builts.

Achieving four needs in one patient room – how is it done?

Patient rooms are spaces supporting well-being and recovery. Serving four needs and tasks to accomplish, patient rooms require different types and levels of illumination:

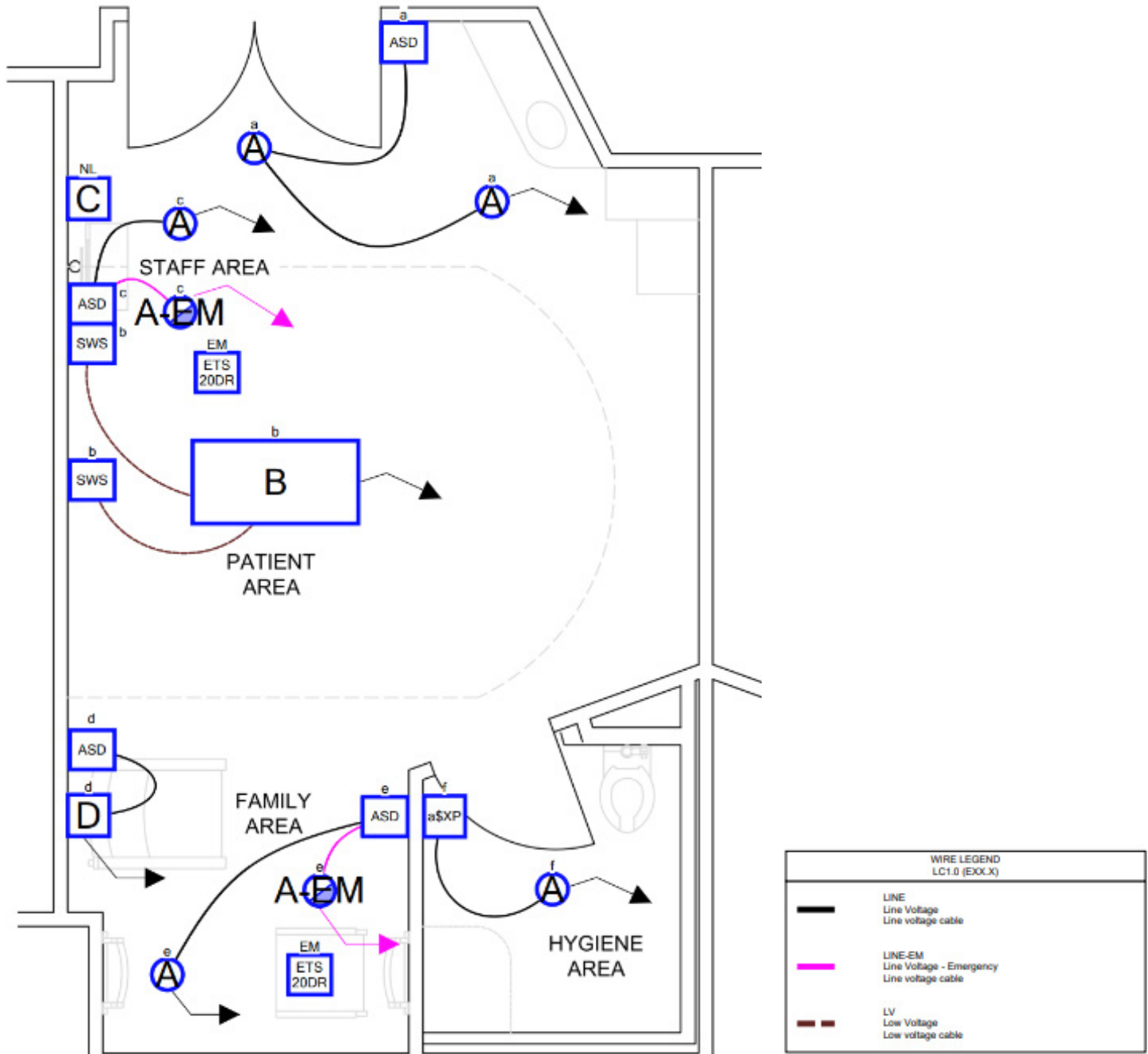
Staff: Allow caregivers to perform their necessary tasks without disrupting the patient

Patient: Maximize patient comfort and occupant control









Family: Create a comfortable atmosphere for loved ones to visit with patients

Hygiene: Provide a safe environment, minimizing the risk of slips and falls – easy to clean

When designing this space, consider how lighting will be designed for visual comfort, well-being, integration of daylight, serviceability and personalized patient and task control.



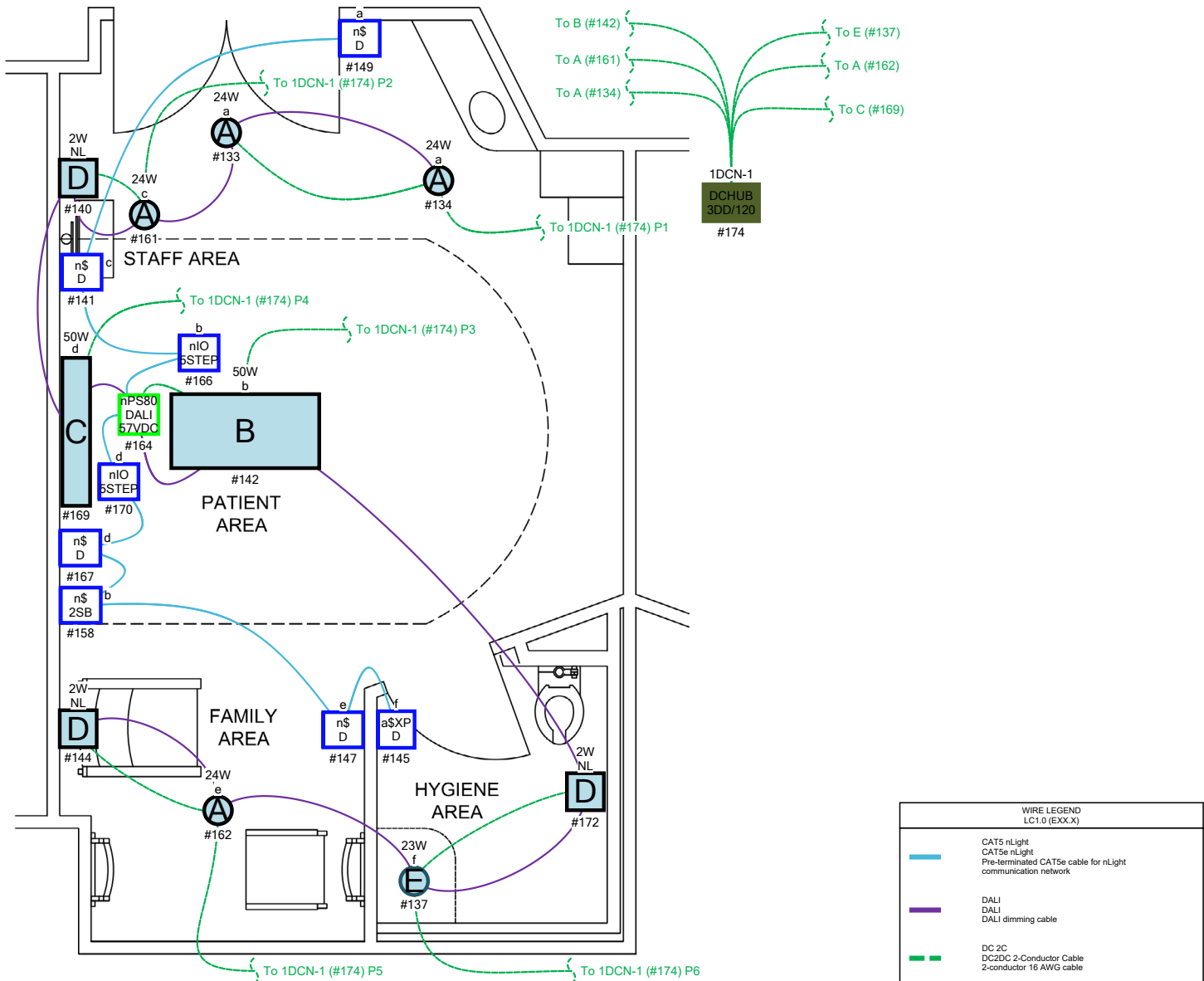
Bill of Materials and Operational Details

Area/Zone	Symbol	Units	Product	Available with	Operational Details
Staff Area Family Area Hygiene Area		5	Gotham EVO Round Downlights (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 0.1 %, electronic dim to off, and analog 0-10V control interface.	General lighting
Staff Area Family Area		2	Gotham EVO Round Downlights (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 0.1 %, electronic dim to off, and analog 0-10V control interface.	General lighting and emergency operation
Staff Area Family Area		4	Analog Slide Dimmer by SensorSwitch®		Manual control and dimming of EVO Round downlights and Attend Sconce
Hygiene Area		1	WXSA PDT Wall Switch Sensor with Occupancy Sensing and Daylight Response Sensor by SensorSwitch		Manual control and occupancy sensing and daylight response of EVO Round downlights
Family Area		1	Attend Sconce by Nightingale™ (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 0.1 %, electronic dim to off, and analog 0-10V control interface.	Task Lighting
Patient Area		1	Observe Cloud Recessed Troffer by Nightingale	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 0.1% and supporting four static white options and sunset dimming. Available with a SensorSwitch Low Voltage Controller (SLVC) by SensorSwitch	Task lighting with lighting controls
Patient Area		2	Sealed Wall Switches by SensorSwitch		Manual and scene control of Observe Cloud Recessed Troffer Pillow Switch Interface
Family Area		1	Assure Nightlight by Nightingale (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 0.1% and supporting four static white options and sunset dimming. Controlled by integrated photocell	Wayfinding lighting

Achieving the needs of a patient room with a DC- Powered Lighting solution












When designing a patient room, consider how lighting will be designed for serviceability and safety.

A DC-powered lighting solution can meet the needs of every individual – staff, patient and loved ones in a patient room, while delivering a solution that is easier for maintenance and increases safety through the reduction of line voltage entering a patient room.



Created in Visual™ Controls

Bill of Materials and Operational Details

Area/Zone	Symbol	Units	Product	Available with	Operational Details
Staff Area Family Area		4	Gotham EVO Round Downlights (0-10V Dimming)	Available with a DC-DC LED driver by eldoLED providing smooth, flicker-safe dimming to 1%, electronic dim to off, and DALI control interface	General lighting
Staff Area Family Area Patient Area		4	nPODMA DX Wall Switch by nLight		Manual control of EVO Round Downlights and SLOTT 4 Recessed Linear
Patient Area		1	Entera Troffer by Healthcare Lighting®	Available with a DC-DC LED driver by eldoLED providing smooth, flicker-safe dimming to 1%, electronic dim to off, and DALI control interface	Task lighting
Patient Area		1	SLOTT 4 Recessed Linear by MARK Architectural Lighting®	Available with DC-DC LED driver by eldoLED providing smooth, flicker-safe dimming to 1%, electronic dim to off, and DALI control interface.	Task lighting
Patient Area		1	nPODMA 2SB Wall Switch by nLight		Manual control of the Entera Troffer
Hygiene Area		1	Gotham EVO Round Shower Downlight (0-10V Dimming)	Available with a DC-DC LED driver by eldoLED providing smooth, flicker-safe dimming to 1%, electronic dim to off, and DALI control interface	General lighting
Hygiene Area		1	nWSXA PDT D Wall Switch with Occupancy Sensing and Passive Dual Technology by nLight		Manual control of EVO Round Shower Downlight
Staff Area Family Area Hygiene Area		3	Assure Nightlight by Nightingale (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 0.1% and supporting four static white options and sunset dimming. Controlled by integrated photocell	Wayfinding lighting
Hallway Area		1	DCHUB by nLight		Provides normal DC power to all luminaires in the space. This 6DD hub can be used to feed multiple patient rooms feed multiple patient rooms
Family Area		1	nPS 80 DALI Power Supply Pack by nLight		
Patient Area		2	nIO Wired Input Device for Pillow Switch by nLight		Interface and provide network addressability to pillow switches via contact closures.

Software



Pathscope:

- Configure and manage DMX lighting network.



SensorView:

- Gain visibility into the health of the nLight system. Configure and manage general lighting network, including schedules and dynamic settings to adapt based on time of day.



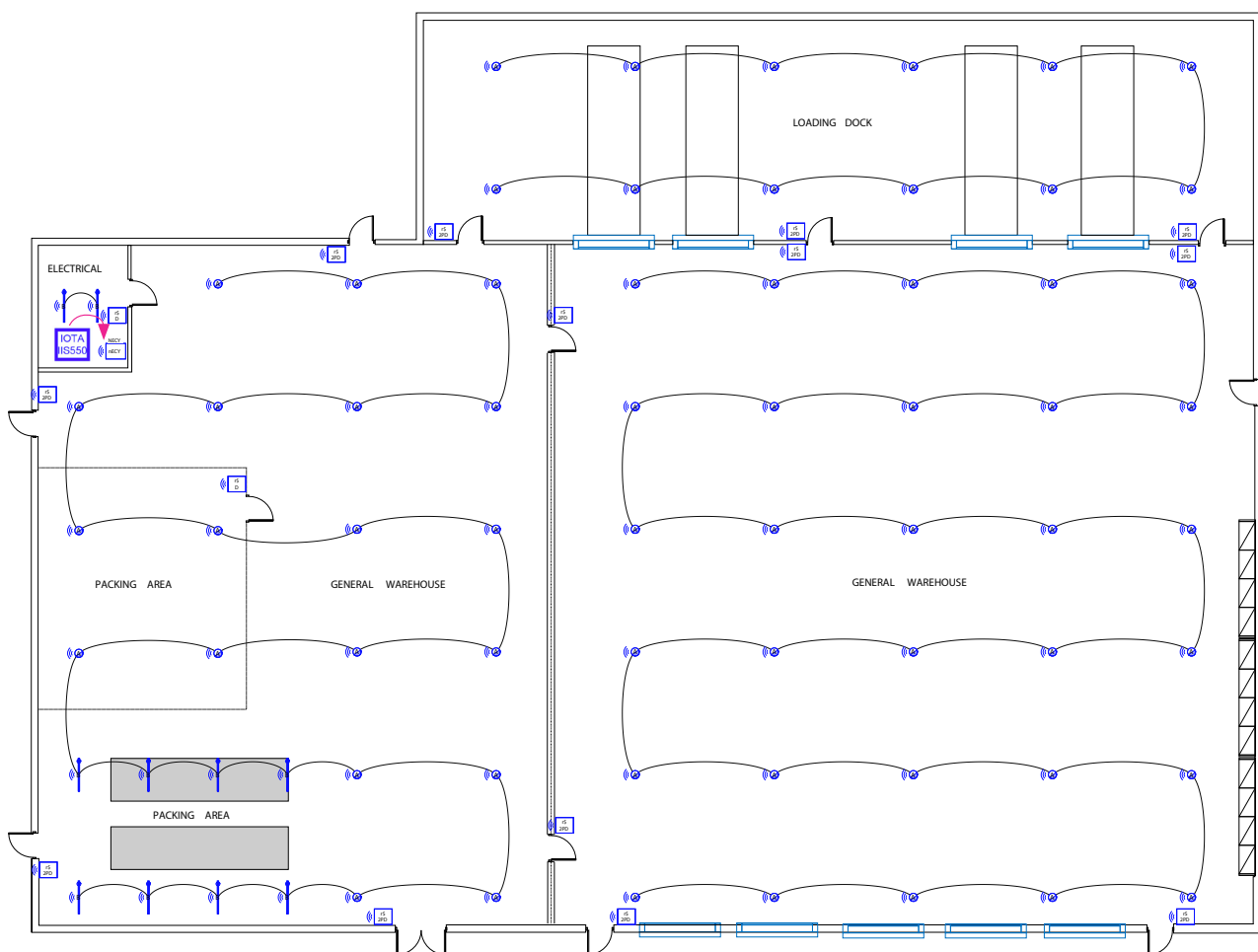
Visual Installer:



- View project plans, capture device IDs, track installation status, and generate as-builts.

Are your lighting solutions designed to meet the demands of a complex, high-activity warehouse environment?

Warehouses are structured environments, often characterized by the movement of machinery, elevated noise levels, and employees engaged in focused tasks. These conditions underscore the importance of a well-designed lighting system that prioritizes safety, supports operational efficiency, and provides the flexibility needed to perform various activities within the space.

When designing these spaces, consider how lighting will support energy optimization, glare control, safety, and serviceability, while also addressing emergency lighting requirements.









WIRE LEGEND LC1.0 (EXX.X)	
	LINE Line Voltage Line voltage cable
	LINE Line Voltage Emergency Line voltage cable



Created in Visual™ Controls

Bill of Materials and Operational Details

Area/Zone	Symbol	Units	Product	Available with	Operational Details
General Warehouse Loading Dock Packing Area Electrical		61	REBL Round High Bay by Lithonia Lighting	Available with an LED driver by third party. Available with an embedded wireless nLight AIR EM daylight and occupancy sensor.	General lighting and emergency operation
Packing Area Electrical		10	CSS LED Strip Light by Lithonia Lighting	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming to 1%, electronic dim to off, and analog 0-10V control interface Available with an embedded wireless nLight AIR EM daylight and occupancy sensor	General lighting and emergency operation
General Warehouse Loading Dock Packing Area		13	rPODU 2 Pole DX Wall Switch by nLight		Manual control of REBL round high bay and CSS LED Strip Light
Packing Area Electrical		2	rPODU DX Wall Switch by nLight		Manual control of CSS LED Strip Light
Electrical		1	nECY Eclipse System Controller by nLight		The nLight networked lighting control system interfaces with Building Management Systems (BACnet®, BACnet/IP) and A/V systems Time schedules (C405.2.2.1 - Time-Switch Controls) can be enabled with nLight Eclipse System Controller
Electrical		1	IIS Single Phase Central Inverters by IOTA		Assuming building is not designed with a generator use: IIS550 Mini AC Inverter by IOTA to supply AC power to designated luminaires

Software



SensorView:

- Gain visibility into the health of the nLight system. Configure and manage general lighting network, including schedules and dynamic settings to adapt based on time of day.



Visual Installer:

- View project plans, capture device IDs, track installation status, and generate as-builts.

What Are You Considering When Designing a Lobby?

Lobbies are multifunctional spaces where practical, and aesthetic aspects of the design come together to create both a functional and welcoming environment. A lobby is typically the first impression visitors have of a building and sets the tone for the experience they will have in the space. When designing a lobby, consider how lighting will offer visual comfort, integration of daylight and set the desired mood, while also addressing emergency lighting requirements.



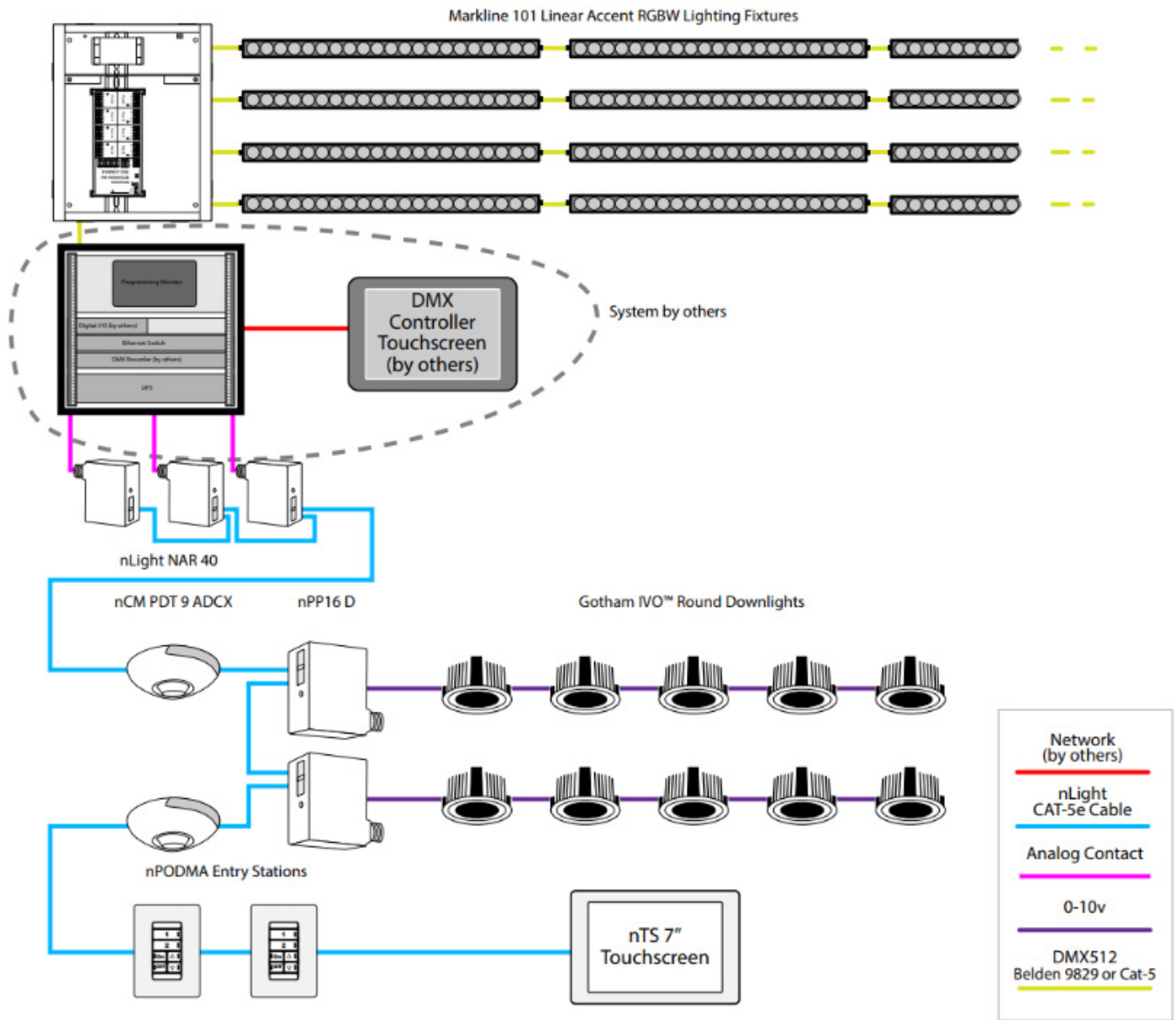
Westlake Dermatology Location: Georgetown, TX | Agent: Spectrum Lighting Specifier: Architecture: Matt Fajkus Architecture
 General Contractor: Zapalac Reed | Interior Design: Michael Hsu Office of Architecture | Structural Engineer: Fort Structures | MEP
 Engineer: CES | Civil Engineer: The Moore Group | Landscape Architect: Urban Landforms Photographer: Leonid Furmansky

Will You Actually Need Two Systems?

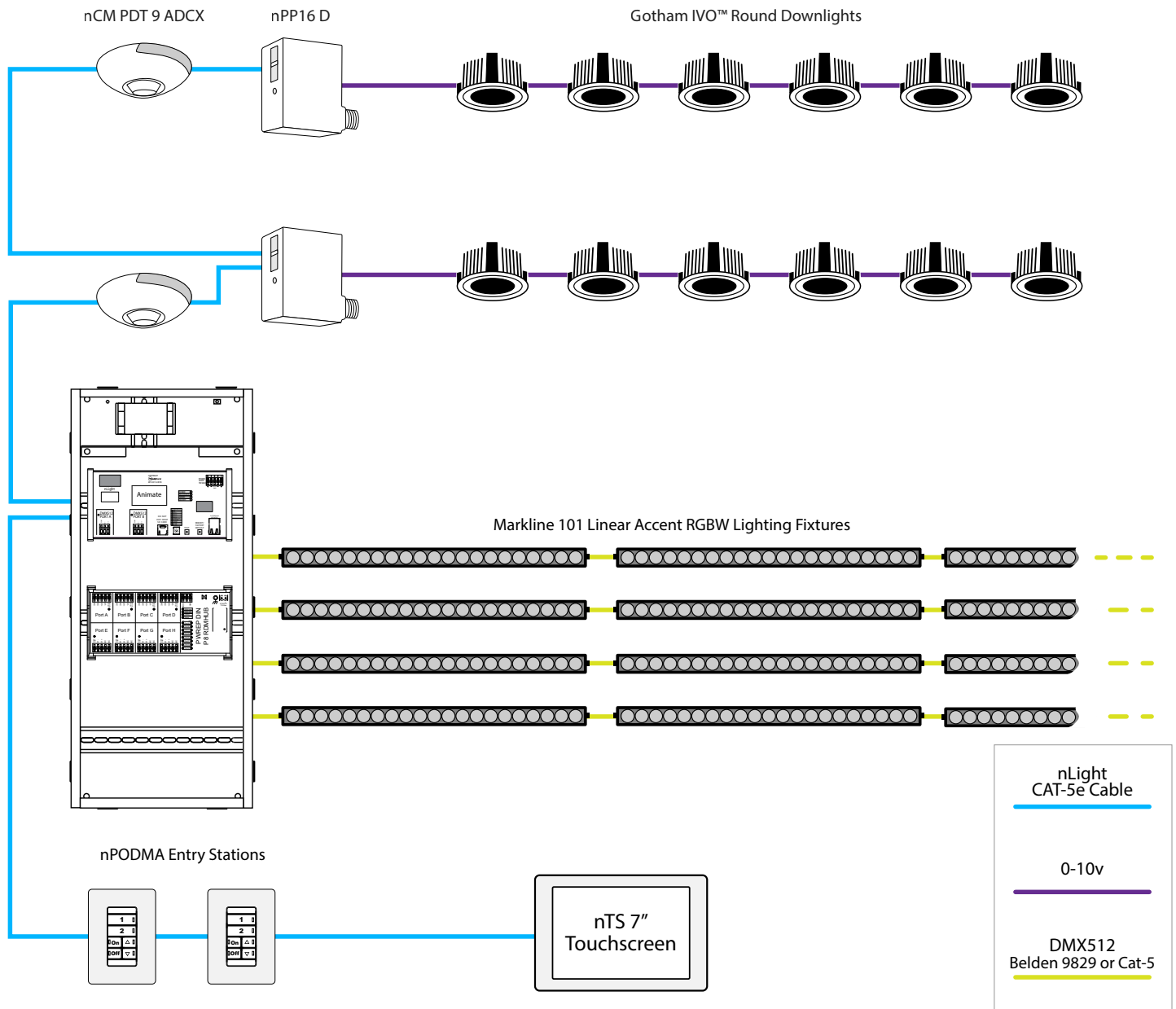
When adding color, effects and movement to your space, you typically need two systems, one for general lighting and another for static or dynamic color, which requires two separate specifications. This can be challenging as working in these parallel paths creates duplicative work, requires more hardware, and increases labor costs, ultimately leaving the end user with two systems to learn and manage.

With the Animate Controller by nLight, this pain point is alleviated, providing you with a single, networked lighting control system, nLight, to control general lighting and the art of DMX.

Lobby with Two Systems




Lobby with One System



Comparative Bill of Materials and Operational Details

LOBBY WITH TWO SYSTEMS

Units	Product Name	Available with	Operational Details
11	Gotham IVO Round Downlights (0-10V dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 0.1%, electronic dim to off, and analog 0-10V control interface.	General lighting
1	Gotham IVO Round Downlights (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 0.1 %, electronic dim to off, and analog 0-10V control interface. Available with an ILD 7W emergency driver by IOTA providing integrated battery back-up and constant power output over the required 90-minute emergency runtime, and self-testing and diagnostics, addressing emergency lighting and life safety code requirements.	General lighting and emergency operation
2	nPP16 D EFP Relay Power Pack by nLight (0-10V Dimming Output)		Daylight and occupancy zones defined by nPP16 D EFP relay power pack module wiring
2	nCM PDT 9 ADCX Ceiling Mount Daylight and Occupancy Sensor by nLight		Manual control and occupancy sensing and daylight response of IVO Round Downlights and Markline 101 Linear
4	Linear Markline 101 DMX RGBw fixtures by MARK Architectural Lighting (25ft)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming to 0.1%, electronic dim to off, and DMX control interface.	General lighting
1	Low Voltage equipment control panel by Pathway		
1	Low Voltage Power Supply by Pathway		
1	DMX/RDM Opto Splitter by Pathway		
1	nIO RLX Raise Lower Switch Interface by nLight		
1	nTS 7" Touchscreen by nLight		The nTS Touchscreen offers greater control of the system to adjust nLight loads and recall additional creative looks
1	nPODMA 4s Entry Stations by nLight		Manual and scene control of IVO Round Downlights and Markline 101 Linear fixtures
1	DMX Controller Touchscreen by third parties		DMX Controller Touchscreen by third parties commissions and programs scenes and allows for user control of DMX looks
1	Programming monitor by third parties		
1	Ethernet Switch by third parties		
1	6-Channel Digital I/O Interface by third parties		
1	DMX Controller / Recorder by third parties		
1	19" 8U wall mount equipment rack UPS by third parties		
1	UPS by third parties		

 = Additional products required when using two lighting controls systems

Comparative Bill of Materials and Operational Details

LOBBY WITH ONE SYSTEM

Units	Product Name	Available with	Operational Details
11	Gotham IVO Round Downlights (0-10V dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 0.1%, electronic dim to off, and analog 0-10V control interface.	General lighting
1	Gotham IVO Round Downlights (0-10V Dimming)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming down to 0.1 %, electronic dim to off, and analog 0-10V control interface. Available with an ILD 7W emergency driver by IOTA providing integrated battery back-up and constant power output over the required 90-minute emergency runtime, and self-testing and diagnostics, addressing emergency lighting and life safety code requirements.	General lighting and emergency operation
2	nPP16 D EFP Relay Power Pack by nLight (0-10V Dimming Output)		Daylight and occupancy zones defined by nPP16 D EFP relay power pack module wiring
2	nCM PDT 9 ADCX Ceiling Mount Daylight and Occupancy Sensor by nLight		Manual control and occupancy sensing and daylight response of IVO Round Downlights and Markline 101 Linear
4	Linear Markline 101 DMX RGBw fixtures by MARK Architectural Lighting (25ft)	Available with an LED driver by eldoLED providing smooth, flicker-safe dimming to 0.1%, electronic dim to off, and DMX control interface.	General lighting
1	Low Voltage equipment control panel by Pathway		
1	Low Voltage Power Supply by Pathway		
1	DMX/RDM Opto Splitter by Pathway		
1	19" 8U wall mount equipment rack UPS by others		
1	nIO RLX Raise Lower Switch Interface by nLight		
1	nTS 7" Touchscreen by nLight		The nTS Touchscreen offers greater control of the system to adjust nLight loads and recall additional creative looks
1	nPODMA 4s Entry Stations by nLight		Manual and scene control of IVO Round Downlights and Markline 101 Linear fixtures
1	nECY nLight Eclipse System Controller		The nLight networked lighting control system interfaces with Building Management Systems (BACnet, BACnet/IP) and A/V systems

Software



Pathscape:

- Configure and manage DMX lighting network.



SensorView:

- Gain visibility into the health of the nLight system. Configure and manage general lighting network, including schedules and dynamic settings to adapt based on time of day.



Visual Installer:

- View project plans, capture device IDs, track installation status, and generate as-builts.

Interested in discovering more spaces?

Get a reminder when the next featured space is ready to download!



Explore the Technologies that Empower Your Lighting

<p>LED Drivers</p>	<p>Lighting Controls</p>	<p>Emergency Drivers</p>	<p>Software</p>
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Win With Visual™



Get Visual Lighting

Create fixture schedules, design your space, and generate lighting calculations.



Get Visual Controls

Add control devices, audit your design, and generate BOMs and submittals.