APPENDIX A
Fixture Cuts

STEAMBOAT BASE AREA

BLDG A RETAIL

me engineers

Job Number:
DV20131

Issue Description:
BLDG A RETAIL

Issue Date:
5/20/2022

LED
Fixtures

LITHONIA LIGHTING®

DIGITAL NAVIGATION
Ordering Tree   nLight Platform   Sensor Switch JOT   Photometrics   Performance Data

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers a clean, versatile style and volumetric distribution. High efficacy LED light engines deliver energy savings and low maintenance compared to traditional sources. An extensive selection of configurations and options make the BLT the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, hospitals and healthcare facilities. The low profile BLT design (2-3/8") also makes it an excellent choice for renovation projects.

CONSTRUCTION — Prior to fabrication, BLT components are coated with a proprietary paint blend and die-formed for dimensional consistency.

The BLT reflector is available in both smooth and ribbed finishes. Choose RB from the fixture style section below for a ribbed finish.

End plates contain easy-to-position integral T-bar clips for securely attaching the luminaire to the T-grid. For additional T-grid security, optional screw on T-bar clips are available.

Diffusers are extruded from impact modified acrylic for increased durability.

LED boards and drivers are accessible from the plenum.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces – rendering the interior space, objects and occupants in a more balanced, complimentary luminous environment. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Four diffuser choices available - curved and square designs with ribbed or a smooth frosted finish.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). Color Variation within 3-step MacAdam ellipse (3SDCM).

Non-Configurable BLT: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLT: available in High Efficiency (HE) versions for applications where a lower wattage (over the standard product) is required. The High Efficiency versions deliver >130 LPW and can be specified via the Lumen Package designations in the Ordering Information below.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight®controls make each luminaire addressable - allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. It can be accomplished with integrated nLight AIR wireless rIO and rES7 sensors, or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. nLight AIR is commissioned easily through an intuitive model app.

Lumen Management: Unique lumen management system (option N80) provides on board intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

SENSOR — **Integrated sensor (individual control):** Sensor Switch MSD7ADCX ((Passive infrared (PIR)) or MSDPDT7ADCX ((PIR/Microphonics Dual Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 4 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 4 for the nLight sensor options.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CL*AIR*ITY, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): Sensor Switch VERTEX JOT or JOTVTX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page X for more details on the integrated wireless sensor.

INSTALLATION — The BLT's low profile design of only 2-3/8" provides increased installation flexibility especially in restrictive plenum applications. The BLT fits into standard 15/16" and narrow 9/16" T-grid ceiling systems.

Suitable for damp location.

For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

COMMERCIAL INDOOR

BLT-2X2

Catalog Number	
Notes	
Type	

BLT Series LED

2BLT2

ADP Diffuser Option

2' x 2'
LED

Ribbed Reflector Option

eldoLED
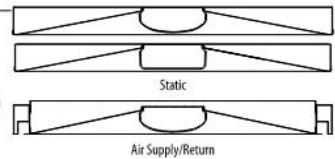
nLIGHT

JOT
JUST ONE TOUCH

Specifications
Length: 23-3/4 (60.3)
Width: 23-3/4 (60.3)
Depth: 2-3/8 (6.0)
Depth with Air supply/return: 2-3/4 (6.9)

Static

All dimensions are inches (centimeters) unless otherwise specified.

Air Supply/Return

Embed nLight controls today. Prepare for tomorrow.

Now
- User-friendly install
- Enhanced energy savings
- Code compliance

Tomorrow
- Scalability
- Space configuration
- Future-ready

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency

- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*

- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

2BLT Volumetric Recessed Lighting 2'x2'

A+ Capable options indicated by this color background.

Example: 2BLT2 33L ADP EZ1 LP835

2BLT2

Series	Fixture Style	Air function	Lumens ‡		Diffuser		Voltage		Driver		Color temperature	
2BLT2 2X2 BLT	(blank) Smooth Reflector	(blank) Static	**Standard efficiency ‡ (>125 LPW)**	**High efficiency ‡ (>130 LPW)**	ADP	Curved, ribbed	(blank)	MVOLT	EZ1	eldoLED dims to 1% (0-10 volt dimming)	LP830	82CRI, 3000 K
	RB Ribbed Reflector	A Air supply/ return ‡	20L 2000	20LHE 2000	ADSM	Curved, smooth	120	120V			LP835	82CRI, 3500 K
			33L 3300	33LHE 3300	SDP	Square, ribbed	277	277V	GZ1	Dims to 1% (0-10V dimming) §	LP840	82CRI, 4000 K
			40L 4000	40LHE 4000	SDSM	Square, smooth	347	347V ‡			LP850	82CRI, 5000 K
			48L 4800	48LHE 4800	**Includes trim rings to match sensored version**				GZ10	Dims to 10% (0-10V dimming) ‡	LP930	90CRI, 3000K
					ADPT	Curved, ribbed					LP935	90CRI, 3500K
					ADSMT	Curved, smooth			SLD	Step-level dimming ‡	LP940	90CRI, 4000K
					SDPT	Square, ribbed					LP950	90CRI, 5000K
					SDSMT	Square, smooth						

nLight Interface

nLight Wired

(blank)	no nLight ® interface
N80	nLight with 80% lumen management
N80EMG	nLight with 80% lumen management For use with generator supply EM power ‡
N100	nLight without lumen management
N100EMG	nLight without lumen management For use with generator supply EM power ‡

nLight Wireless

(blank)	no nLight ® interface
NLTAIR2	nLight AIR Generation 2 enabled ‡

Control ‡

nLight Wired

(blank)	No sensor control
NES7	nLight™ nES 7 PIR integral occupancy sensor ‡
NESPDT7	nLight™ nES PDT 7 dual technology integral occupancy control ‡
NES7ADCX	nLight™ nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell ‡
NESPDT7ADCX	nLight™ nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell ‡

nLight Wireless

RES7	nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities
RES7PDT	nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell
RIO	nLight AIR radio module without sensor
RES7EM	nLight AIR PIR integral occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ‡
RES7PDTEM	nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ‡
RIOEM	nLight AIR radio module less sensor, with UL924 Emergency Operation, via power interrupt detection ‡

Individual Control

MSD7ADCX	PIR integral occupancy sensor with automatic dimming control photocell ‡
MSDPDT7ADCX	PDT integral occupancy sensor with automatic dimming control photocell ‡
JOT	Wireless room control with "Just One Touch" pairing ‡
JOTVTX15	Wireless occupancy sensor with "Just One Touch" pairing ‡

Standy Mode

NOC	NOC Occupancy sensor disabled ‡

Options

BDP Disconnect Plug

EL7L	700 lumen battery pack (Noncompliant with CA T20) ‡
EL14L	1400 lumen battery pack (Noncompliant with CA T20) ‡
EL14LSD	1400 lumen battery pack with self-diagnostic testing feature (Noncompliant with CA T20) ‡
E10WLCP	EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡

CP	Chicago plenum ‡
BGTD	Bodine Generator Transfer Device ‡
PWS1836	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit
PWS1846	6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit
PWS1846 PWSLV	Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡
PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires ‡

GLR	Fast-blowing fuse ‡
GMF	Slow-blowing fuse ‡
NPLT	Narrow pallet
RRL__	RELOC®-ready luminaire ‡
LATC	Earthquake clip
DWAM	Anti-Microbial paint
JP28	Job packaging ‡
JP36	Job packaging
IP5X	Gasketed diffuser compartment to meet IP5X rating ‡

NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restictions chart on the next page. Options are sorted alphanumerically.

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me engineers

STEAMBOAT BASE AREA
GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL

Issue:	**BLDG A RETAIL**
Date:	**20-May-22**
Project #:	DV20131

14143 Denver West Pkwy, Suite 300 Golden, CO 80401 PH:(303)421.6655
www.me-engineers.com

Type: L3A

2BLT Volumetric Recessed Lighting 2'x2'

| ‡ Option Value Ordering Restrictions	
Option value	**Restriction**
347	Not available with SLD, EL7L, EL14L, or E10WLCP options.
A	Not available with RB fixture style, consult factory for air flow data.
BGTD	Not available with JOT, JOTVTX15 sensor options or emergency battery options. Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options. Example: BGTD BSE10.
Control	Must specify diffuser with trim rings.
CP	Not available with N80, N80EMG, N100, or N100EMG.
GZ1, GZ10	Not available with any Control or Sensor options except JOT & JOTVTX15
EL7L, EL14L, EL14LSD, E10WLCP	When using pre-wire option, use PWS1846 or PWS1846 PWSLV. For more information on the EL14LSD, please see the PSSD2 specification sheet.
GLR, GMF	Must specify voltage. 120 or 277, with GLR and GMF fusing.
IP5X	Not available with air supply/return or Wired Networking (NES_) and Individual Control (MSD_) sensors.
JOT, JOTVTX15	Not available with SLD, nLight, NLTAIR2, NOC, or BGTD options.
JP28	Only available with options: NES7, NESPDT7, NES7ADCX, NESPDT7ADCX, MSD7ADCX, MSDPDT7ADCX, RES7, RES7PDT, RIO. Not available when sensor options combined with air supply return option.
Lumens	Approximate lumen output. For high Efficiency, all versions may not achieve 130+ LPW. Refer to photometry on www.acuitybrands.com. Air supply/return option, 90 CRI, and versions with integral sensor trim rings may not achieve 130 LPW.
MSD7ADCX, MSDPDT7ADCX	Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate.
NES7, NESPDT7, NES7ADCX, NESPDT7ADCX	Requires N80, N80EMG, N100, or N100EMG. Only available with EZ1 driver.
NLTAIR2	Must order with nLight Wireless option from Control section. Only available with EZ1 driver.
NOC	Can only be ordered in conjunction with EZ1, NLTAIR2, RES7/RES7PDT. Occupancy sensor disabled at factory but can be re-enabled upon commissioning.
N80EMG, N100EMG	nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.
PWS1846 PWSLV, PWS1856LV	Not available with nLIGHT wired network or individual controls
RES7EM, RES7PDTEM, RIOEM	See UL924 Sequence of Operation on page 3.
RRL_	For ordering logic consult: RRL_2013.
SLD	Not available with with any nLight Interface or Control options.

Multiple Diffuser Options

ADP — Curved Ribbed   ADSM — Curved Smooth   SDP — Square Ribbed   SDSM — Square Smooth

SDSM Diffuser Option

Non-Configurable BLT

Stock/MTO	Catalog Description *	UPC	Lumens	Wattage	LPW	Color Temperature	Voltage	Pallet Qty
Stock	2BLT2 33L ADP LP835	190887529708	3332	26.67	124.92	3500K/82 CRI	120-277	56
	2BLT2 33L ADP LP840	190887529739	3385	26.67	126.91	4000K/82CRI	120-277	56
	2BLT2 33L ADP EL14L LP835	190887529890	3332	26.67	124.92	3500K/82CRI	120-277	56
	2BLT2 33L ADP EL14L LP840	190887529937	3385	26.67	126.91	4000K/82CRI	120-277	56

*Generic 0-10V Dimming to 10%.

MOUNTING DATA	
Ceiling Type	**Appropriate Trim Type**
Exposed grid tee (1' and 9/16")	G
Concealed grid tee	G
Plaster or plasterboard	G*

9/16   15/16   Screw Slot
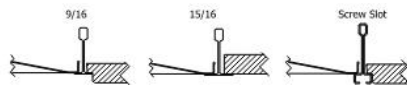
*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA installation is 24-3/4" x 24-3/4" (Tolerance is +1/8", -0").

UL924 Sequence of Operation

For 90 minutes following any complete AC power interruption >200 ms:
- Digital dimming is commanded to high end trim level.
- Device ignores wireless lighting control commands.

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Type: L3A

2BLT Volumetric Recessed Lighting 2'x2'

Accessories & Replacement Parts

Accessories: Order as separate catalog number.	
DGA22	Drywall grid adapter for 2x2 recessed fixture
2X2SMKSHP PAF	Surface Mount Troffer Kit Post Paint
RK8BDP 2P U	Disconnect Plug (BDP), 2 Pole, Package of 1
RK8BDP 3P U	Disconnect Plug (BDP), 3 Pole, Package of 1
RK8BDP 2P J10	Disconnect Plug (BDP), 2 Pole, Package of 10
RK8BDP 2P J40	Disconnect Plug (BDP), 2 Pole, Package of 40

Replacement Parts: Order as separate catalog number.		
*247WJV	2DBLT24 ADP LENS ASSEMBLY	2 ft. replacement lens
*249P2P	2DBLT24 SDP LENS ASSEMBLY	2 ft. replacement lens
*249P2W	2DBLT24 ADSM LENS ASSEMBLY	2 ft. replacement lens
*249P32	2DBLT24 SDSM LENS ASSEMBLY	2 ft. replacement lens
*237LT1	2DBLT24 ADPT LENS ASSEMBLY	2 ft. replacement lens
*237LT3	2DBLT24 SDPT LENS ASSEMBLY	2 ft. replacement lens
*237LT5	2DBLT24 ADSMT LENS ASSEMBLY	2 ft. replacement lens
*237LT7	2DBLT24 SDSMT LENS ASSEMBLY	2 ft. replacement lens
*237LT9	2DBLT24 ADPT SENSOR LENS ASSEMBLY	2 ft. replacement lens
*237M4Y	2DBLT24 SDPT SENSOR LENS ASSEMBLY	2 ft. replacement lens
*237M57	2DBLT24 ADSMT SENSOR LENS ASSEMBLY	2 ft. replacement lens
*237M5H	2DBLT24 SDSMT SENSOR LENS ASSEMBLY	2 ft. replacement lens

JOT Wireless

Sensor Switch JOT Enabled Wireless Solution

Designed with contractors in mind, the Sensor Switch JOT enabled wireless solution offers a straightforward approach to the installation and pairing of lighting fixtures and controls. Absolutely no 0-10V control wires and no mobile apps are needed with JOT enabled products, allowing for lightning speed installation right out of the box.

1. **Power:** Install JOT enabled fixtures and controls as instructed.
2. **Pair:** Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
3. **Play:** Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

BLT Series

Sensor Switch
WSXA JOT

BLT Series
with integrated
JOT OCC
Sensors

Sensor Switch
SPODMRA JOT

STEAMBOAT BASE AREA
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2BLT Volumetric Recessed Lighting 2'x2'

nLight Platform

nLight embedded fixtures offer:	Customers get:
Manual Dimming	Convenience and visual comfort for occupants
Motion Sensing and/or Daylight Harvesting	Energy savings and code compliance
Fixture or Group Level Control	Ability to configure lighting to the space requirements
Flexibility	Ease of fixture moves, adds and changes
Wireless Wall Switch (nLight AIR Only)	Ease and flexibility of placement
Astronomical and Time of Day Scheduling	Energy savings and building security
Scalable Solution	nLight controls to grow with your business
Future-Ready	nLight platform to set foundation for future upgrades and capabilities

nLight Air Wireless

BLT Series

Simple as 1,2,3
1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome

nLight AIR rPODBA   Mobile Device

nLight Wired Networking

BLT Series   CAT5e
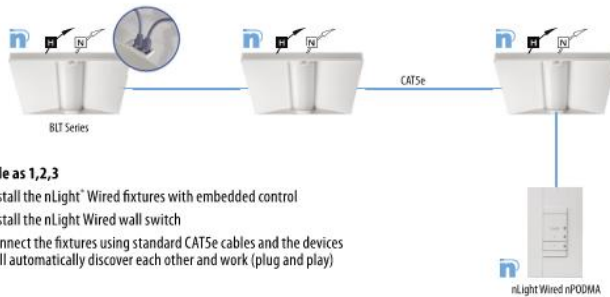
Simple as 1,2,3
1. Install the nLight® Wired fixtures with embedded control
2. Install the nLight Wired wall switch
3. Connect the fixtures using standard CAT5e cables and the devices will automatically discover each other and work (plug and play)

nLight Wired nPODMA

2BLT Volumetric Recessed Lighting 2'x2'

Sensor Options

Option	Automatic Dimming Photocell	Occupancy Sensing		nLight Wired Networking	nLight AIR Networking
		PIR	PDT		
MSD7ADCX	X	X			
MSDPDT7ADCX	X		X		
NES7		X		X	
NES7ADCX	X	X		X	
NESPDT7			X	X	
NESPDT7ADCX	X		X	X	
RES7	X	X			X
RESPDT7	X	X	X		X

Sensor Coverage Pattern
Mini 360° Lens

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and
- 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)
- Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor

9 FT Mounting

5.5	18
4.6	15
3.7	12
2.7	9
1.8	6
0.9	3
0 m	0 ft
0.9	3
1.8	6
2.7	9
3.7	12
4.6	15
5.5	18

Lens rotates 15° to enable adjustment

Integrated Sensor with Individual Control

The MSD7ADCX PIR occupancy sensor/automatic dimming photocell is ideal for areas without obstructions and where daylight harvesting may be desired. Suggested applications include, but not limited to, hallways, corridors, storage rooms, and breakrooms or other areas where people are typically moving.

The MSDPDT7ADCX PIR/Microphonics Dual Tech occupancy sensor/automatic dimming photocell is ideal for areas with obstructions and where daylight harvesting is desired. Suggested applications include, but not limited to, open offices, private offices, classrooms, public restrooms, and conference rooms.

nLight AIR Wireless

nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. The integrated rES7 or rES7PDT smart sensors are part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application.

nLight Wired Networking

The nES 7 is ideal for small rooms without obstructions or areas with primarily walking motion. Ideal areas include hallways, corridors, storage rooms, and breakrooms. Additionally, the nES7ADCX includes an integrated photocell, which enables daylight harvesting controls.

For areas like restrooms, private offices, open offices, conference rooms or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics technologies to detect occupancy. Additionally, the nESPDT7ADCX includes an integrated photocell, which enables daylight harvesting controls which is ideal for areas where windows are present.

Sequence of Operation (MSD7 Sensor)
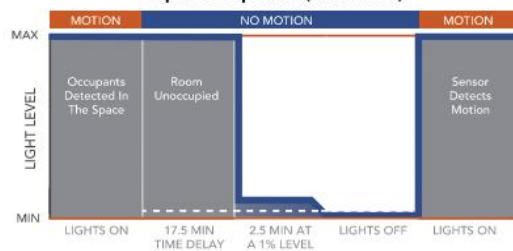
*The presetting on the automatic dimming photocell is 5fc.

Sequence of Operation (nES7 and rES7 and Sensor)
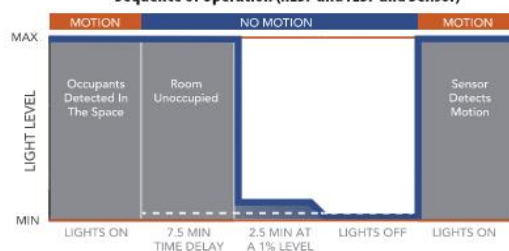
*The presetting on the automatic dimming photocell is 5fc (NES7) and 10fc (RES7).

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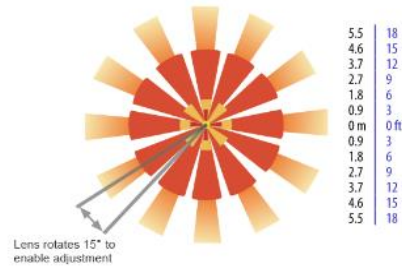Date: **20-May-22**
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Type: L3A

2BLT Volumetric Recessed Lighting 2'x2'

Controls Accessories

nLight® Wired Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight.

WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODMA [Color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB
On/Off & raise/lower	nPODMA DX [Color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB
Graphic touchscreen	nPOD TOUCH [Color]	Wall switch with raise/lower	nWSX PDT LV DX [color]
Photocell controls	**Model number**	**Cat-5 cable (plenum rated)**	**Model number**
Full range dimming	nCM ADCX RJB	10' cable	CAT5 10FT J1
		30' cable	CAT5 30FT J1

nLight® AIR Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODBA [color] G2
On/Off two pole	rPODB A2P [color] G2
On/Off & raise/lower single pole	rPODBA DX [color] G2
On/Off & raise/lower two pole	rPODBA 2P DX [color] G2

BLT fixtures with integrated rIO devices complement any small office space. Pair them with an rCMS occupancy sensor and the space now has wireless occupancy sensing and dimming capability. For additional configuration options please consult with Tech Support.

rCMS[1]					Example: RCMS PDT 10 AR G2	
Series / Detection	**Power Supply[1]**	**Occupancy Detection**	**Lens (Required)**		**Operating Mode**	**Generation**
RCMS — nLight AIR occupancy and daylight sensor	[blank] — Power Supply ordered separately	[blank] — PIR Detection	10 — Large Motion/ Extended Range 360°		[BLANK] — None	G2 — Generation 2 compatibility
	PS 150 — Standard 150 mA Power Supply	PDT — Dual Tech PIR/ Microphonics	9 — Small Motion/ Extended Range 360°		AR — Auxiliary Relay	
			6 — High Bay 360° Lens			

Notes
1 RCMS requires low voltage power from either RPP20 DS 24V G2 or PS150.

| Sensor Switch WSX | nLight WIRED NPOD UNITOUCH | nLight WIRED nPODMA DX | nLight AIR rPODBA | BLT with rIO | rPODBA | RCMS |

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Issue: **BLDG A RETAIL**
Date: **20-May-22**
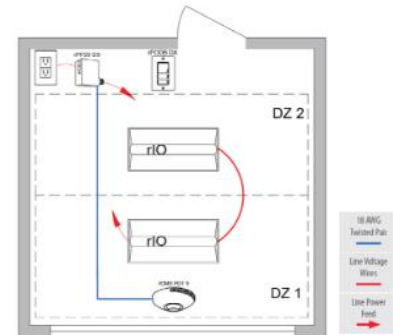Project #: DV20131

Type: L3A

2BLT Volumetric Recessed Lighting 2'x2'

Constant Lumen Management

Enabled by the embedded nLight control, the BLT actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.

Without Lumen Management
Energy is wasted and light level is inconsistent.

POWER INPUT

LIGHT OUTPUT

Wasted Energy

With Lumen Management
Energy is saved and light level remains consistent.

Saved Energy

POWER INPUT

LIGHT OUTPUT

PHOTOMETRICS

2BLT2 33L ADP LP835, 3332 delivered lumens, test no. ISF36900P19, tested in accordance to IESNA LM-79

CP Summary			Coefficients of Utilization									Zonal Lumen Summary		
			pf			20%								
			pc	80%			70%			50%				
	0°	90	pw	70%50%30%			50%30%10%			50%30%10%		Zone	Lumens	% Lamp % Fixture
0°	1103	1103	0	119 119 119			116 116 116			111 111 111		0° - 30°	853	25.6 25.6
5°	1090	1104	1	108 102 97			100 96 92			96 92 89		0° - 40°	1390	41.7 41.7
15°	1042	1064	2	97 88 81			86 80 74			83 77 72		0° - 60°	2466	74.0 74.0
25°	946	989	3	88 77 69			76 68 61			72 66 60		0° - 90°	3330	100.0 100.0
35°	817	881	4	81 68 59			67 58 52			64 57 51		90° - 120°	2	0.0 0.0
45°	664	757	5	74 61 51			60 51 44			57 50 44		90° - 130°	2	0.0 0.0
55°	500	634	6	68 55 45			54 45 39			52 44 38		90° - 150°	2	0.0 0.0
65°	340	517	7	63 50 40			49 40 34			47 39 34		90° - 180°	2	0.0 0.0
75°	177	383	8	59 45 36			44 36 30			43 36 30		0° - 180°	3332	100.0 100.0
85°	40	164	9	55 41 33			41 33 27			40 32 27				
90	1	14	10	52 38 30			38 30 25			37 30 25				

2BLT2 40L ADP LP835, 4041 delivered lumens, test no. ISF36900P35, tested in accordance to IESNA LM-79
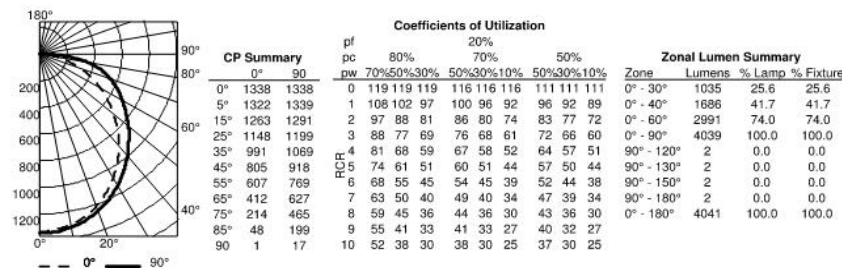
CP Summary			Coefficients of Utilization									Zonal Lumen Summary		
			pf			20%								
			pc	80%			70%			50%				
	0°	90	pw	70%50%30%			50%30%10%			50%30%10%		Zone	Lumens	% Lamp % Fixture
0°	1338	1338	0	119 119 119			116 116 116			111 111 111		0° - 30°	1035	25.6 25.6
5°	1322	1339	1	108 102 97			100 96 92			96 92 89		0° - 40°	1686	41.7 41.7
15°	1263	1291	2	97 88 81			86 80 74			83 77 72		0° - 60°	2991	74.0 74.0
25°	1148	1199	3	88 77 69			76 68 61			72 66 60		0° - 90°	4039	100.0 100.0
35°	991	1069	4	81 68 59			67 58 52			64 57 51		90° - 120°	2	0.0 0.0
45°	805	918	5	74 61 51			60 51 44			57 50 44		90° - 130°	2	0.0 0.0
55°	607	769	6	68 55 45			54 45 39			52 44 38		90° - 150°	2	0.0 0.0
65°	412	627	7	63 50 40			49 40 34			47 39 34		90° - 180°	2	0.0 0.0
75°	214	465	8	59 45 36			44 36 30			43 36 30		0° - 180°	4041	100.0 100.0
85°	48	199	9	55 41 33			41 33 27			40 32 27				
90	1	17	10	52 38 30			38 30 25			37 30 25				

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STEAMBOAT BASE AREA
GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL

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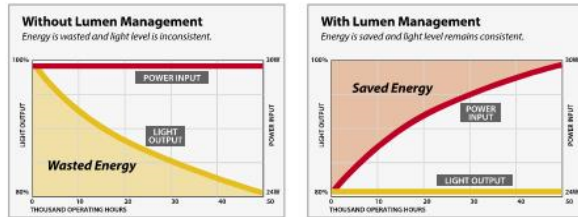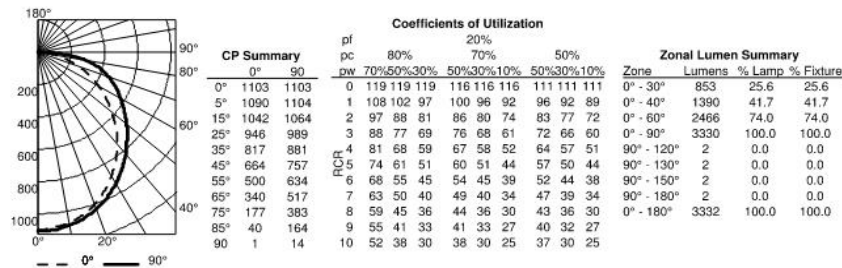www.me-engineers.com

Issue: **BLDG A RETAIL**
Date: **20-May-22**
Project #: DV20131

Type: L3A

2BLT Volumetric Recessed Lighting 2'x2'

Performance Data					
Model Number	**Lumens**	**LPW**	**Watts**	**DLC Listing**	**DLC ID**
2BLT2 20L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	2065.45	124.06	16.64	Premium	PM92196A
2BLT2 20L ADP EZ1 (GZ10) LP835 [All Options]	2033	126.58	16.06	Premium	P6445UVD
2BLT2 20L ADP GZ1 LP835 [All Options]	2033	122.11	16.64	standard	PLNK6MX8
2BLT2 20L ADPT EZ1 (GZ10) LP840 [All Options]	2037.91	126.89	16.06	Premium	PYX15QEQ
2BLT2 20L ADPT GZ1 LP835 [All Options]	2005.89	120.49	16.64	standard	P40HQGLB
2BLT2 20L ADPT GZ1 LP840 [All Options]	2037.91	122.41	16.64	standard	PB3HB9AK
2BLT2 33L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	3332	124.92	26.67	Premium	PHSXHE8F
2BLT2 33L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	3385.19	126.91	26.67	Premium	PD18CKQ8
2BLT2 33L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	3340.05	125.22	26.67	Premium	PF98CZ2H
2BLT2 33L ADPT EZ1 (GZ10) LP835 [All Options]	3287.57	125.14	26.27	Premium	PTKZR9WQ
2BLT2 33L ADPT GZ1 LP835 [All Options]	3287.57	123.25	26.67	standard	PTN5023N
2BLT2 40L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4041	127.35	31.73	Premium	P1XWW9GV
2BLT2 40L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4105.51	129.38	31.73	Premium	PHCQ2CQF
2BLT2 40L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	3987.12	125.65	31.73	Premium	PW6RMMJ4
2BLT2 40L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4050.77	127.65	31.73	Premium	P5YYDAA8
2BLT2 48L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4800	109.9	43.67	standard	PJRH1R1G
2BLT2 48L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4876.63	111.66	43.67	standard	P8G93YOK
2BLT2 48L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4736	108.44	43.67	standard	PITU3V6X
2BLT2 48L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4811.61	110.17	43.67	standard	P5X2XU76

DLC information is subject to change, for the most up-to-date information please refer to www.dlc.org. Above listings do not cover 347v or SLD.

HE Performance Data					
Model Number	**Lumens**	**LPW**	**Watts**	**DLC Listing**	**DLC ID**
2BLT2 20LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	1948	130.59	14.91	Premium	PUQCZNQI
2BLT2 20LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	1979.1	132.67	14.91	Premium	PJCZRW21
2BLT2 20LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	1952.71	130.9	14.91	Premium	PLC4RF4L
2BLT2 33LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	3392	137.3	24.7	Premium	PXXZN9PH
2BLT2 33LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	3446.15	139.5	24.7	Premium	PKPJYYRF
2BLT2 33LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	3346.77	135.47	24.7	Premium	PZC8BZSS
2BLT2 33LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	3400.2	137.64	24.7	Premium	PM5G8AFU
2BLT2 40LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4118	133.71	30.79	Premium	PJ55XFFP
2BLT2 40LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4183.74	135.85	30.79	Premium	PEGFHPZD
2BLT2 40LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4063.09	131.93	30.79	Premium	P8E16E9B
2BLT2 40LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4127.96	134.04	30.79	Premium	PFRSSSVG
2BLT2 48LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4845	128	37.85	Premium	P558XUZP
2BLT2 48LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4922.35	130.04	37.85	Premium	P1863H56
2BLT2 48LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4780.4	126.29	37.85	Premium	PHPTG5M8
2BLT2 48LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4856.71	128.31	37.85	Premium	PBKN954Z

DLC information is subject to change, for the most up-to-date information please refer to www.dlc.org. Above listings do not cover 347v or SLD.

How to Estimate Delivered Lumens in Emergency Mode
Use the formula below to estimate the delivered lumens in emergency mode
Delivered Lumens = 1.25 x P x LPW
P = Ouput power of emergency driver. P = 10W for E10WLCP option.
LPW = Lumen per watt rating of the luminaire. This information is available on
the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW
information available in Performance Data section.

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STEAMBOAT BASE AREA
GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL

14143 Denver West Pkwy, Suite 300 Golden, CO 80401 PH:(303)421.6655
www.me-engineers.com

Issue: **BLDG A RETAIL**
Date: **20-May-22**
Project #: DV20131

Type: L3A

gotham | EVO
Multiple Layers of Light

General Illumination Round Downlight **6"**

OVERVIEW

Feature Set

- Bounding Ray™ optical design
- Unitized optics mechanically attach the light engine to the lower reflector for complete optical alignment.
- 45° cutoff to source and source image
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours

- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling
- Available with 10% dimming, 1% dimming, or dim to dark
- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces
- ENERGY STAR® certified product

250 - 8,000 lumens
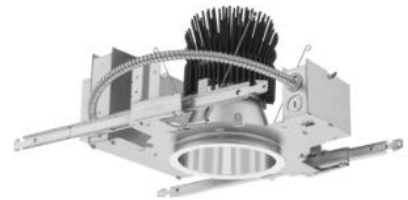
10,000 - 17,500 lumens

Distribution

| very narrow 0.5 S:MH | narrow 0.7 S:MH | medium 0.9 S:MH | medium wide 1.0 S:MH | wide 1.2 S:MH |

Superior Performance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000	6000	8000	10,000	12,000	15,000	17,500
Delivered Lumens	297	519	776	994	1471	2006	2537	3077	3542	4027	4533	5256	6371	8247	10637	12332	15776	17801
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0	47.3	48.7	57.6	74.9	97.1	115.0	150.9	175.3
Lumens per Watt	87.4	83.7	94.6	103.5	100.1	101.8	102.7	104.3	104.8	103.3	95.8	107.9	110.6	110.1	109.5	107.2	104.5	101.5

COMPLIMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light

General Illumination Layer | EVO

High Center Beam Layer | Incito

EVO + Incito — Multiple Layers of Light

Core
- Downlight
- Adjustable
- Open Wallwash
- Lensed Wallwash
- Cylinder
- Pinhole
- Bevel
- Hyperbolic

Healthcare
- MRI
- Surgical Suite
- Patient Room

Special Applications
- Dynamic
- Food Service
- Vandal/Tamper
- Clean Room
- Shower
- Steam Room

EVO6-OPEN
page 1 of 9

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Issue: **BLDG A RETAIL**
Date: **20-May-22**
Project #: DV20131

Type: L4

ORDERING INFORMATION

A+ Capable options indicated by this color background.

Design2Ship Quick Ship Program: Options in green text qualify for Design2Ship — 5 business days from order entry to ship. Refer to Design2Ship Brochure for complete program details. **Maximum Order Quantity: 100 units; 50 for Chicago Plenum.**

Luminaire Type:

Catalog Number:

EXAMPLE: EV06 35/150 AR MWD LSS MVOLT EZ1

Series	Color Temperature		Nominal Lumen Values				Reflector & Flange Color		Trim Style		Distribution	
EVO6	27/	2700 K	02	250 lumens	40	4000 lumens	AR	Clear	(blank)	Self-flanged	VND	Very Narrow (0.5 s/mh)
	30/	3000 K	05	500 lumens	45	4500 lumens	PR	Pewter	FL	Flangeless	ND	Narrow (0.7 s/mh)
	35/	3500 K	07	750 lumens	50	5000 lumens	WTR	Wheat			MD	Medium (0.9 s/mh)
	40/	4000 K	10	1000 lumens	60	6000 lumens	GR	Gold			MWD	Medium Wide (1.0 s/mh)
	50/	5000 K	15	1500 lumens	80	8000 lumens	WR[1]	White			WD	Wide (1.2 s/mh)
			20	2000 lumens	100	10000 lumens	BR[1]	Black				
			25	2500 lumens	120	12000 lumens	WRAMF[1]	White Anti-microbial				
			30	3000 lumens	150	15000 lumens						
			35	3500 lumens	175	17500 lumens						

Finish		Voltage	Driver[4]		
LSS	Semi-specular	MVOLT	GZ10	0-10V driver dims to 10%	ECOS2[5] Lutron® Hi-Lume® 2-wire forward-phase driver. Minimum dimming level 1%, 120V only. Minimum 1000 lumens/Maximum 4000 lumens.
LD	Matte-diffuse	120	GZ1	0-10V driver dims to 1%	
LS	Specular	277	EZ10	eldoLED 0-10V ECOdrive. Linear dimming to 10% min.	ECOD[5] Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black. Max: 4000LM.
		347[2,3]	EZ1	eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	
			EZB	eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	
			EDAB[5]	eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.	
			EDXB[5]	eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Refer to DMXR Manual. Minimum 1000 lumens/Maximum 15000 lumens.	

Control Interface		Options			
NLT[6]	nLight® dimming pack controls	SF	Single fuse. Specify 120V or 277V.	N80[10]	nLight® Lumen Compensation
NLTER[2,6,9]	nLight® dimming pack controls emergency circuit	TRW[7]	White painted flange	BGTD	Bodine generator transfer device. Specify 120V or 277V.
NLTAIR2[13]	nLight® AIR enabled	TRBL[8]	Black painted flange	90CRI	High CRI (90+)
NLTAIRER2[2,8,13]	nLight® AIR enabled emergency	EL	Emergency battery pack, 10W, with integral test switch	CP[11]	Chicago Plenum. Specify 120V or 277V for 5000lm and above.
EXA1	XPoint Wireless, eldoLED driver. Linear dimming to 1%	ELR	Emergency battery pack, 10W, with self-diagnostics, with remote test switch	HAO[12]	HAO High Ambient Option (40°C)
EXAB	XPoint Wireless, eldoLED driver. Logarithmic dimming to dark	ELSD	Emergency battery pack, 10W, with self-diagnostics, integral test switch	RRL_	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature
		ELRSD	Emergency battery pack, 10W, with self-diagnostics, remote test switch		
		E10WCP	Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch		
		E10WCPR	Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch		

ACCESSORIES – order as separate catalog numbers (shipped separately)

SCA6	Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D. Refer to TECH-190.
CTA4-8 YKHL	Ceiling thickness adapter for 10,000LM and above (extends mounting frame to accommodate ceiling thickness up to 5"). Adds ~4" to fixture height.
CTA4-8 YK	Ceiling thickness adapter for 8,000LM and below (extends mounting frame to accommodate ceiling thickness up to 5"). Adds ~4" to fixture height.
GVRT	Vandal-resistant trim accessory. Refer to TECH-200.
ISD BC	0-10V wallbox dimmer. Refer to ISD-BC.

ORDERING NOTES

1. Not available with finishes.
2. Not available with emergency battery pack options.
3. Supplied with factory installed step down transformer.
4. Refer to TECH-240 for compatible dimmers.
5. Not available with nLight® and XPoint options.
6. Specify voltage.
7. For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with WR (white reflector) or FL (flangeless) option.
8. For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with BR (black reflector) or FL (flangeless) option.
9. ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.
10. Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.
11. 12,000LM max with EL or nLight® options. 5,000LM max with Lutron drivers combined with EL. Not available with ELR, HAO, EXA1, or EXAB options.
12. Only available 5000LM - 15,000LM with eldoLED drivers.
13. Not available DALI or DMX drivers. Not available with CP or N80 options. Not recommended for metal ceiling installations.

g gotham®

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STEAMBOAT BASE AREA
GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL

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www.me-engineers.com

Issue: **BLDG A RETAIL**
Date: **20-May-22**
Project #: DV20131

Type: L4

SPECIFICATIONS

Optical Assembly
Fully serviceable and upgradeable lensed LED light engine suitable for field maintenance or service from below the ceiling.
Optical design is a Bounding Ray™ design with 45° cutoff to source and source image. Top-down flash characteristic for superior glare control.
Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Electrical
The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.
The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.
Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.
Input wires shall be 18AWG, 300V minimum, solid copper.

Controls
Luminaire shall be equipped with interface for nLight wired or wireless network with integral power supply as per specification.

Dimming
The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.
eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.
Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction
Luminaire housing shall be constructed of 16-gauge galvanized steel and have preinstalled telescopic mounting bars with maximum 32" and minimum 15" extension and 4" vertical adjustment.
Luminaires shall be suitable for installation in ceilings up to 1½" thick. (specify ceiling thickness adapter to extend frame to accommodate ceiling thickness up to 5").
Tool-less adjustments shall be possible after installation.
The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.
25°C ambient temperature standard (1/2' clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise). 40°C high ambient optional.

Listings
Fixtures are CSA certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. Luminaire configurations are Energy Star certified through testing in EPA–recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed.

Photometrics
LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.
Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

Warranty
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note:
Actual performance may differ as a result of end user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
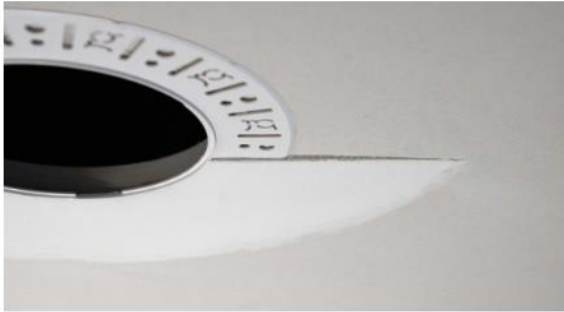

A+ Capable Luminaire
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.
*See ordering tree for details

STEAMBOAT BASE AREA
GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL

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Issue: **BLDG A RETAIL**
Date: **20-May-22**
Project #: DV20131

14143 Denver West Pkwy, Suite 300 Golden, CO 80401 PH:(303)421.6655
www.me-engineers.com

Type: L4

Flangeless

Partially finished mud ring, showing cross-section detail.

An EVO downlight requires only approximately 3" of plaster to finish.

EVO with flangeless trim

Flangeless Installation

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

The polymer mud ring is installed independent of the of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.

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me engineers	**STEAMBOAT BASE AREA** **GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL**	Issue: **BLDG A RETAIL** Date: **20-May-22** Project #: DV20131

14143 Denver West Pkwy, Suite 300 Golden, CO 80401 PH:(303)421.6655   **Type: L4**

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Tables of Use

Marked Spacing in Inches 25°C Ambient

Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
500-5000	None	None	None
6000	24	12	5
8000			11
10000	36	18	
12000			9
15000			
17500	72	36	

Marked Spacing in Inches 40°C Ambient

Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
5000	24	12	5
6000			
8000			
10000	48	24	9
12000			
15000	72	36	9

Marked Spacing Chicago Plenum Open Frame in Inches 25°C Ambient

Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
250-5000	None	None	None
6000	24	12	5
8000			11
10000	36	18	
12000			9
15000			
17500	72	36	

Marked Spacing Chicago Plenum Enclosure in Inches 25°C Ambient

Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
250-6000	None	None	None
8000	36	18	6
10000	48	24	3
12000			

EVO - eldoLED Driver Default Dimming Curve

Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ10	10%	Linear	Linear/Logarithmic
EZ1	1%	Linear	Linear/Logarithmic
EXA1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic	Linear
EXAB	<1%	Logarithmic	Linear
EDXB	<1%	Square	Linear

Lumen Output Multiplier

CRI	CCT	Multiplier
80	2700K	0.96
	300K	1.00
	3500K	1.00
	4000K	1.01
	5000K	1.07
90	2700K	0.80
	300K	0.83
	3500K	0.85
	4000K	0.87
	5000K	0.91

Reflector Finish Multiplier

Reflector Finish	Multiplier
LS - Specular	1
LSS - Semi Specular	0.956
WR - White	0.87
LD - Matte Diffuse	0.85
BR - Black	0.73

Distributions

Nomenclature	Beam Angle	Field Angle
VND	30	64
ND	44	69
MD	54	82
MWD	67	89
WD	71	92

Control Provided

Driver		Control Provided (note: 347V/UVOLT versions provided with 347 option selected)			
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIRER2
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2

How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

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STEAMBOAT BASE AREA
GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL

Issue: **BLDG A RETAIL**
Date: **20-May-22**
Project #: DV20131

14143 Denver West Pkwy, Suite 300 Golden, CO 80401 PH:(303)421.6655
www.me-engineers.com

Type: L4

DIMENSIONAL DATA

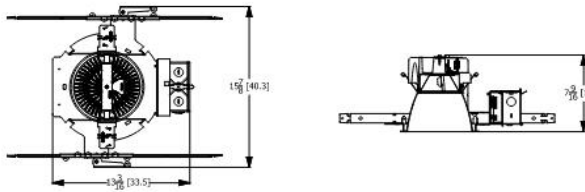*Dimensions in inches [centimeters]

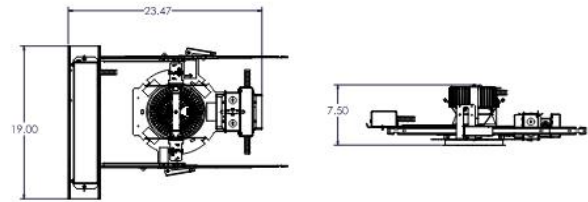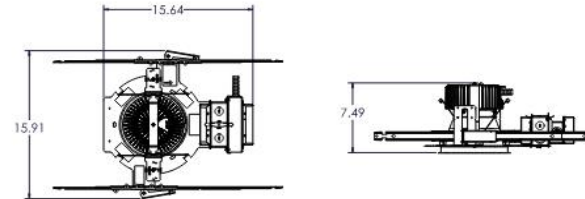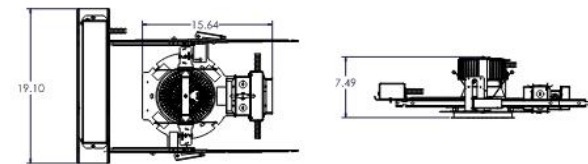|	
Aperture: 6 1/4" [15.9)]	Ceiling Opening: 7 1/8" [18.1] self-flanged
Overlap Trim: 7 1/2" [19.1]	7 1/4" [18.4] flangeless

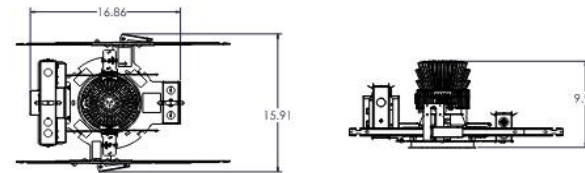### 1000LM-4500LM Standard

1000LM-4500LM Battery Pack
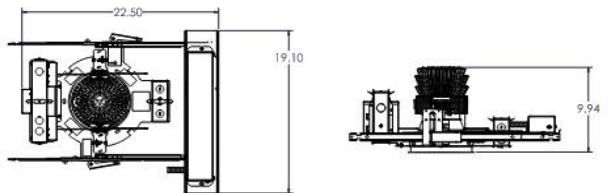

5000LM-8000LM Standard

5000LM-8000LM Battery Pack

10,000LM-17,500LM Standard

10,000LM-17,500LM Battery Pack

1000LM-4500LM CP

5000 Lumen ECO/SOLO Drive Open Frame CP

EVO6-OPEN
page 6 of 9

g gotham

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STEAMBOAT BASE AREA
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Type: L4

gotham® | E V O°

*Dimensions in inches [centimeters]

5000 (Lutron & POWER Drive Only), 6000 & 8000 Lumen Open Frame CP

17.72
15.91
7.55

10000 - 17,500 Lumen Open Frame CP

18.59
15.91
9.79

250 - 6000 Lumen CP for nLight® or Battery Pack

21.66
16.70
9.45

8,000LM Enclosed CP for nLight or Battery Pack

21.66
16.70
12.59

10,000LM-12,000LM Enclosed CP for nLight or Battery Pack

21.66
16.70
15.59

EVO6-OPEN
page 7 of 9

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STEAMBOAT BASE AREA
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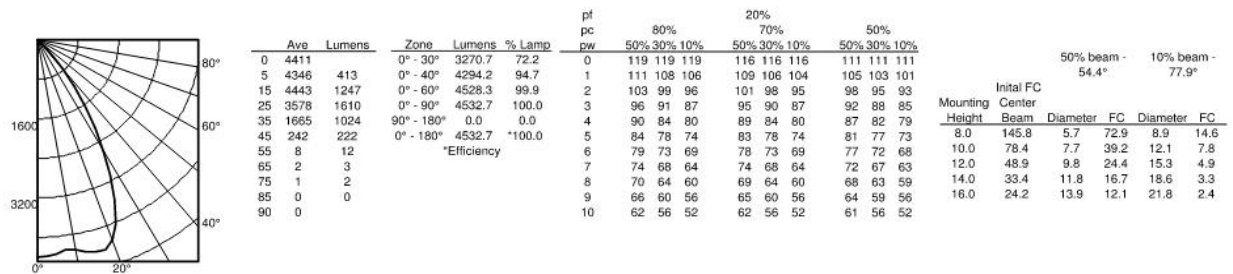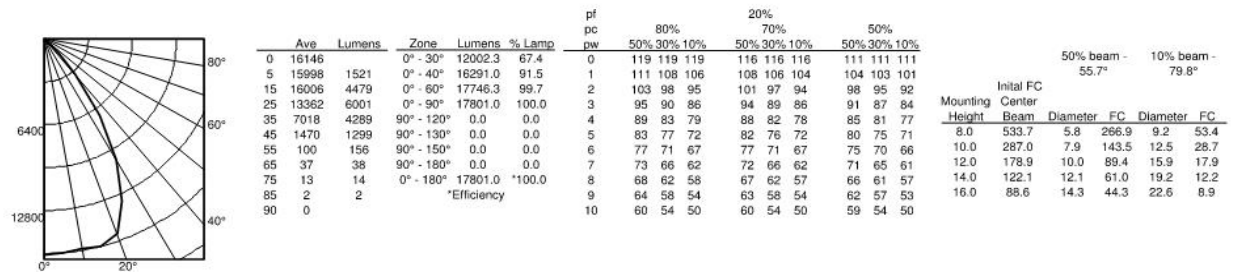www.me-engineers.com

EV06 35/15 AR MWD LS   INPUT WATTS: 14.7, DELIVERED LUMENS: 1471LM, LPW= 100, 1.03 S/MH, TEST NO. LTL27783P1505

	Ave	Lumens	Zone	Lumens	% Lamp
0	1431		0° - 30°	1061.4	72.2
5	1410	134	0° - 40°	1393.5	94.7
15	1442	405	0° - 60°	1469.5	99.9
25	1161	523	0° - 90°	1470.9	100.0
35	540	332	90° - 180°	0.0	0.0
45	78	72	0° - 180°	1470.9	*100.0
55	3	4		*Efficiency	
65	1	1			
75	0	1			
85	0	0			
90	0				

pf pc pw	80% 50% 30% 10%	20% 70% 50% 30% 10%	50% 50% 30% 10%
0	119 119 119	116 116 116	111 111 111
1	111 108 106	109 106 104	105 103 101
2	103 99 96	101 98 95	98 95 93
3	96 91 87	95 90 87	92 88 85
4	90 84 80	89 84 80	87 82 79
5	84 78 74	83 78 74	81 77 73
6	79 73 69	78 73 69	77 72 68
7	74 68 64	74 68 64	72 67 63
8	70 64 60	69 64 60	68 63 59
9	66 60 56	65 60 56	64 59 56
10	62 56 52	62 56 52	61 56 52

50% beam - 54.4°   10% beam - 77.9°

Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	47.3	5.7	23.7	8.9	4.7
10.0	25.4	7.7	12.7	12.1	2.5
12.0	15.9	9.8	7.9	15.3	1.6
14.0	10.8	11.8	5.4	18.6	1.1
16.0	7.9	13.9	3.9	21.8	0.8

EV06 35/45 AR MWD LS   INPUT WATTS: 47.3, DELIVERED LUMENS: 4532.7LM, LPW= 95.8, 1.03 S/MH, TEST NO. LTL27783P1649

	Ave	Lumens	Zone	Lumens	% Lamp
0	4411		0° - 30°	3270.7	72.2
5	4346	413	0° - 40°	4294.2	94.7
15	4443	1247	0° - 60°	4528.3	99.9
25	3578	1610	0° - 90°	4532.7	100.0
35	1665	1024	90° - 180°	0.0	0.0
45	242	222	0° - 180°	4532.7	*100.0
55	8	12		*Efficiency	
65	2	3			
75	1	2			
85	0	0			
90	0				

pf pc pw	80% 50% 30% 10%	20% 70% 50% 30% 10%	50% 50% 30% 10%
0	119 119 119	116 116 116	111 111 111
1	111 108 106	109 106 104	105 103 101
2	103 99 96	101 98 95	98 95 93
3	96 91 87	95 90 87	92 88 85
4	90 84 80	89 84 80	87 82 79
5	84 78 74	83 78 74	81 77 73
6	79 73 69	78 73 69	77 72 68
7	74 68 64	74 68 64	72 67 63
8	70 64 60	69 64 60	68 63 59
9	66 60 56	65 60 56	64 59 56
10	62 56 52	62 56 52	61 56 52

50% beam - 54.4°   10% beam - 77.9°

Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	145.8	5.7	72.9	8.9	14.6
10.0	78.4	7.7	39.2	12.1	7.8
12.0	48.9	9.8	24.4	15.3	4.9
14.0	33.4	11.8	16.7	18.6	3.3
16.0	24.2	13.9	12.1	21.8	2.4

EV06 35/175 AR MWD LS   INPUT WATTS: 175.3, DELIVERED LUMENS: 17801LM, LPW=101.5, 1.06 S/MH, TEST NO. ISF 34035P268

	Ave	Lumens	Zone	Lumens	% Lamp
0	16146		0° - 30°	12002.3	67.4
5	15998	1521	0° - 40°	16291.0	91.5
15	16006	4479	0° - 60°	17746.3	99.7
25	13362	6001	0° - 90°	17801.0	100.0
35	7018	4289	90° - 120°	0.0	0.0
45	1470	1299	90° - 130°	0.0	0.0
55	100	156	90° - 150°	0.0	0.0
65	37	38	90° - 180°	0.0	0.0
75	13	14	0° - 180°	17801.0	*100.0
85	2	2		*Efficiency	
90	0				

pf pc pw	80% 50% 30% 10%	20% 70% 50% 30% 10%	50% 50% 30% 10%
0	119 119 119	116 116 116	111 111 111
1	111 108 106	108 106 104	104 103 101
2	103 98 95	101 97 94	98 95 92
3	95 90 86	94 89 86	91 87 84
4	89 83 79	88 82 78	85 81 77
5	83 77 72	82 76 72	80 75 71
6	77 71 67	77 71 67	75 70 66
7	73 66 62	72 66 62	71 65 61
8	68 62 58	67 62 57	66 61 57
9	64 58 54	63 58 54	62 57 53
10	60 54 50	60 54 50	59 54 50

50% beam - 55.7°   10% beam - 79.8°

Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	533.7	5.8	266.9	9.2	53.4
10.0	287.0	7.9	143.5	12.5	28.7
12.0	178.9	10.0	89.4	15.9	17.9
14.0	122.1	12.1	61.0	19.2	12.2
16.0	88.6	14.3	44.3	22.6	8.9

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STEAMBOAT BASE AREA
GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL

Issue: **BLDG A RETAIL**
Date: **20-May-22**
Project #: DV20131

Type: L4

14143 Denver West Pkwy, Suite 300 Golden, CO 80401 PH:(303)421.6655
www.me-engineers.com

NLIGHT AIR

nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

Possibilites for nLight® AIR

Fixtures ordered *without* the NLTAIR option

CLAIRITY™ Pro Mobile App   rPODB   rCMS

rPP20

Fixtures ordered *with* the NLTAIR option

CLAIRITY™ Pro Mobile App   rPODB

Wiring Key

(A)	(B)	(C)
+24v DC Aux	Line Power	Low Voltage Dimming Wires

nLight® AIR Control Accessories
Order as separate catalog number. Visit nLight AIR.

Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

nLight® AIR Control Accessories *(cont.)*

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

NLIGHT

nLight® The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

Possibilites for nLight® wired

Fixtures ordered *without* the NLT option

nCM   nPODM

nPS 80 EZ or nPP16 D
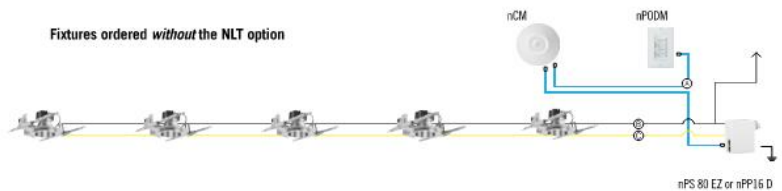
Fixtures ordered *with* the NLT option

nCM   nPODM

Wiring Key

(A)	(B)	(C)
CAT-5e Cable	Line Power	Low Voltage Dimming Wires

nLight® Wired Control Accessories
Order as separate catalog number. Visit nLight.

Wall Switches	Model Number
On/Off single pole	nPODM (color)
On/Off two pole	nPODM 2P (color)
On/Off & raise/lower single pole	nPOD DX (color)
On/Off & raise/lower two pole	nPODM 2P DX (color)
Graphic touchscreen	nPOD GFX (color)

Photocell Controls	
Dimming	nCM ADCX

nLight® Wired Control Accessories *(cont.)*

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX
Cat-5 Cables (plenum rated)	
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

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STEAMBOAT BASE AREA
GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL

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www.me-engineers.com

Issue:	**BLDG A RETAIL**
Date:	**20-May-22**
Project #:	DV20131

Type: L4

⭘ LUMENTURE®

JT 2-CIRCUIT LINE VOLTAGE TRACK

SPECIFICATIONS/FEATURES

Track

Many configurations are possible with this two-circuit, 120V rated commercial grade track section. 40 amp capacity; 20 amps per circuit. Two hot conductors and one common neutral. Adjust lighting effects by applying fixtures to desired circuits and utilize separate switching.

Track has solid copper conductors with insulators placed in heavy 14 ga. extruded aluminum channels.

Mechanical polarity with a visual indicator simplifies installation and mounting of fixtures while assuring proper electrical connections.

Toggle bolts are supplied for simple surface installation. Track suitable for suspension mount via cable or threaded rod.

Nominal length track sections can be cut in the field for exact fit. All track sections are supplied with two insulated end caps. Replacement caps available.

Power Feeds and Connection Accessories

Power feeds and connection accessories are constructed of polycarbonate with galvanized steel back plates. Every electrical component is polarized and has a grounding capability to ensure safe usage. Visual polarity indicators simplify proper electrical installation. Twelve gauge insulated wire is used for internal connections. Solid copper track contacts provide good electrical conductivity for years of trouble free operation.

Maximum power rating is 2400 Watts per circuit (4800W total):
20A per circuit (40A total capacity) at 120V, 60Hz. NEC allows 80% of full capacity or 1920 Watts per circuit (3840W total).

Warranty

This fixture is covered by Lumenture's full one (1) year replacement guarantee after date of purchase.

Listing

All track and track components are cULus listed. Installations are suitable for dry locations only.

Track Section End View

Groove

End Cap

1⅜"
(35mm)

¹³⁄₁₆"
(21mm)

H1
H2
N

Polarity Groove
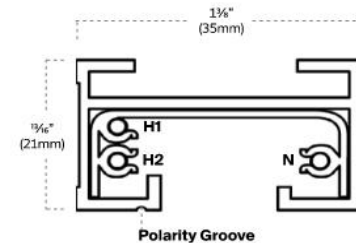
ORDERING

EXAMPLE ORDER:	JT	-	28	-	B

JT	-	(Two-Circuit Section Length)	-	(Finish)

24 – 4' (48") nominal length; 44⅛" actual length
28 – 8' (96") nominal length; 92⅛" actual length

B – Black
W – White

JA-211 end caps are supplied with all track sections and may be ordered separately as needed.
4' sections supplied with (2) toggle bolts, 8' sections supplied with (3) toggle bolts.

JT 2-Circuit Line Voltage Track Specifications p. 1/3
Product specifications are subject to change
info@lumenture.com **P.** 203.864.3333

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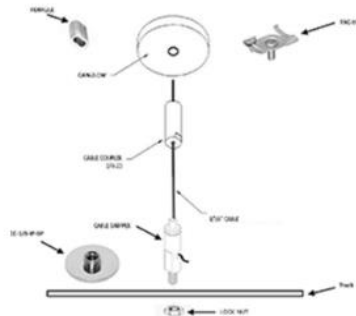
Type: L19

JT 2-CIRCUIT LINE VOLTAGE TRACK

POWER FEEDS, STEMS & EXTENSIONS
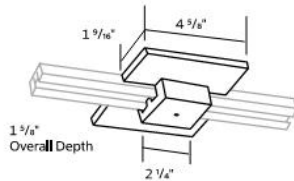
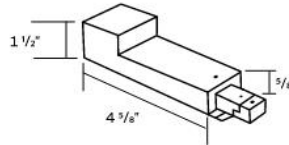### Floating Feed Point

JA-207

Can be installed anywhere along track. Kit includes square J-Box Canopy Cover, J-Box Mounting Bracket, Track Adapter, and one JA-11 Series End Cap. Finish: B, W
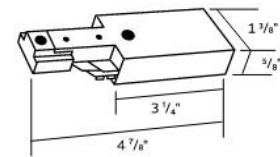
Surface Conduit End Feed

JA-208

End Feed. (1) ½" top K.O. and (1) ½" end K.O. for surface conduit. Finish: B, W

JA-208A

Reverse Polarity End Feed. (1) ½" top K.O. and (1)½" end K.O. for surface conduit. Finish: B, W

Top Access End Feed

JA-210

Power Feed. (1) ½" top K.O. for standard electrical conduit. Finish: B, W

JA-210A

Reverse Polarity Power Feed. (1) ½" top K.O. for standard electrical conduit. Finish: B, W

Cable Mounting Kit

JAC-150

150" galvanized aircraft cable. ¼"-20 internally threaded socket cup. Combination wood/machine anchor post. T-Grid clip-standard ceiling. Toggle/loop ferrule plate. 2" diameter trim canopy. Side exit cable glider with nut. 1¼" Diameter backing/button plate.

Line Voltage Fixture Extensions

JA-1012
12" stem length. Finish: B, W

JA-1018
18" stem length. Finish: B, W

Finish Codes:
B - Black
W - White
S - Silver

SAMPLE SYSTEM INSTALLATION

Line up Polarity arrows with grooves.
Insert connectors into track sections to assemble.

JA-10J   T-4

STEAMBOAT BASE AREA
GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL

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www.me-engineers.com

Type: L19

JT 2-CIRCUIT LINE VOLTAGE TRACK

2-CIRCUIT TRACK POWER FEEDS
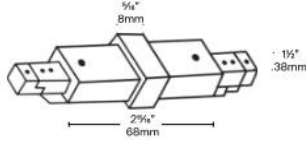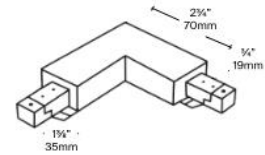
Mini-Connectors
JA-202
Conductive end-to-end connector. Finish: B, W
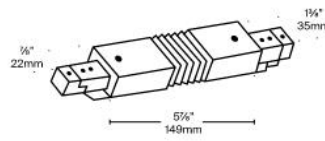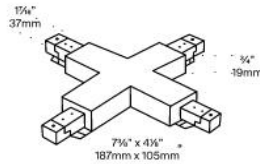
Flexible Connector
JA-203
Versatile connector allows wall to ceiling or pitched ceiling applications. 35°-325°. Finish: B, W
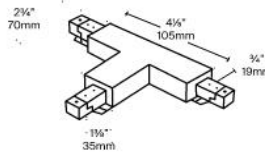
3-Way Joiner
JA-212
Use as standard or reverse polarity "L". Includes optional straight cover. May be used as power feed. Finish: B, W

"X" Connector
JA-215
May be used as feed point. Wired as two separate "L" sections. Finish: B, W

"T" Connectors
JA-213
May be used as feed point. Finish: B, W, S

JA-214
Reverse polarity "T" Connector. May be used as feed point. Finish: B, W

Polarity-Configuration Legend

Reverse Polarity Configuration
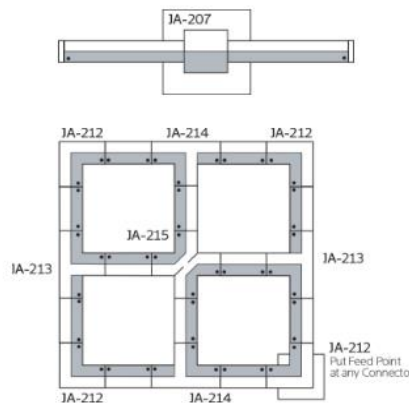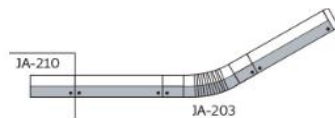
Forward Polarity Configuration

Hot Side of Connector

Feed Point

SAMPLE LAYOUTS WITH POLARITY

Floor view of track on ceiling. All straight sections are JT Series Track.

Dot = Connector Polarity Arrow Location

Shaded Area = Hot Side of Connection / Track Section
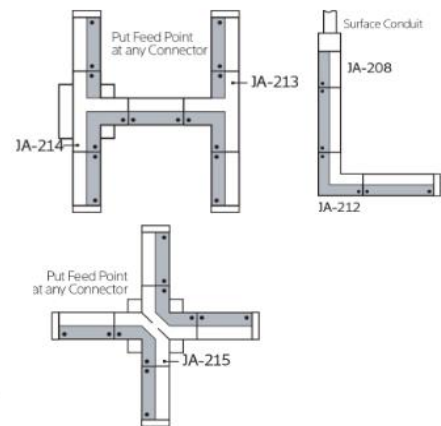
JT 2-Circuit Line Voltage Track Specifications p. 3/3
Product specifications are subject to change
info@lumenture.com **P.** 203.864.3333

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Type: L19

ⓛ LUMENTURE®

T80 TRACK HEADS

TYPE: _____

PROJECT: _____

The T80 track cylinder is designed to blend seamlessly into a wide range of environments - including retail, commercial, restaurant and hospitality settings. Coming standard with Lumenture's patent-pending, low-profile Infinity Adapter™ - the T80 has the ability to rotate continuously for effortless aiming. Specification level details - including no exposed hardware, special attention to finish and the ability to integrate a number of accessories - make the T80 one of the leading-edge track heads on the market.

DIMMING	WEIGHT	WATTAGE	EFFICACY	INPUT	FINISH	ACCESSORIES	MOVEMENT
Triac, ELV	23 oz.	22W	up to 2000lm up to 104lm/W	120V AC	Die-cast aluminum housing, Powdercoat	Field replaceable optics & accessories	Infinite rotation, 90° tilt

ORDERING

JA8-TITLE 24
Available combinations indicated by shading in the chart below.

FIXTURE	CCT/CRI*	LUMENS	BEAM SPREAD*	FINISH	MOUNTING TYPE	ACCESSORIES**
T80	27H - 2700K, CRI 90+	2000	15 - 15°	B - Black	J – J Type (Standard)	SN – Standard Tapered Snoot
	30H - 3000K, CRI 90+		25 - 25°	S - Silver	G – G Type / 2C2N	SNC – Cylinder Snoot
	30K - 3000K, CRI 80+		30 - 30°	W - White	H – H Type	JA-18 – Standard Mono-Point
	35H - 3500K, CRI 90+		40 - 40°	C - Custom	L – L Type	JA-21 – Duo-Point Adapter
	40H - 4000K, CRI 90+		60 - 60°		SC – Slim Canopy	JA-18-[Finish]-Cover – Deep Canopy Collar
			WW - Wall Wash		MC – Micro Canopy	(Ex: JA-18-B-Cover)

*Custom options available, please consult factory.
**Please see page 4 for a full list of accessories.

ORDERING EXAMPLE:

| T80 | - | 30H | - | 2000 | - | 25 | - | W | - | J | - | SN |

LISTINGS
Certified to UL standard 1574 and CSA C22.2 No. 9.0 for dry locations

T80 Track Head Specifications p. 1/5
Custom options available, please consult factory
Product specifications are subject to change
info@lumenture.com **P.** 203.864.3333

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	STEAMBOAT BASE AREA	Issue: **BLDG A RETAIL**
me engineers	GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL	Date: **20-May-22** Project #: DV20131
	14143 Denver West Pkwy, Suite 300 Golden, CO 80401 PH:(303)421.6655 www.me-engineers.com	**Type: L19A,L20**

T80 TRACK HEADS

PHOTOMETRICS

LUMEN OUTPUT

Values fluctuate based on CCT/CRI. To estimate delivered lumen output of the various CCT/CRI options, multiply nominal lumens (2000 lumens) by the multiplier below.

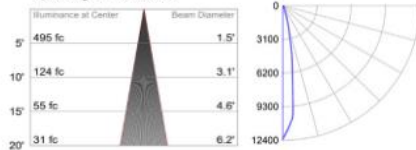| CODE	CCT	CRI	TECHNOLOGY	15°	25°	30°	40°	60°	WW
27H	2700K	90+	Standard	0.80	0.86	0.93	0.88	0.80	0.65
30H	3000K	90+	Standard	0.85	0.92	0.99	0.93	0.85	0.70
30K	3000K	80+	Standard	0.99	1.07	1.15	1.08	0.99	0.85
30V	3000K	90+	VividLight™	0.68*	0.74*	0.79*	0.75*	0.68*	0.60*
35H	3500K	90+	Standard	0.87	0.94	1.01	0.95	0.97	0.75
40H	4000K	90+	Standard	0.89	0.96	1.04	0.97	0.89	0.75

Lumenture maintains a lumen output tolerance of +/-7.5%
*VividLight™ perceived brightness is significantly higher than measured lumens.
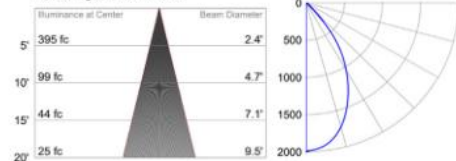**Dim-to-Warm dims from 3000K to 1800K

T80 - 15 Degree
Delivered Light Output: 2000 Lumens
Total Watts @120V: 22W
Lumens Per Watt: 90
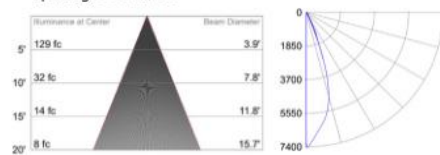Center Beam Candle Power: 12400
Spacing Criteria: 0.3

	Illuminance at Center	Beam Diameter	
5'	495 fc	1.5'	3100
10'	124 fc	3.1'	6200
15'	55 fc	4.6'	9300
20'	31 fc	6.2'	12400

T80 - 25 Degree
Delivered Light Output: 2150 Lumens
Total Watts @120V: 22W
Lumens Per Watt: 98
Center Beam Candle Power: 9800
Spacing Criteria: 0.5

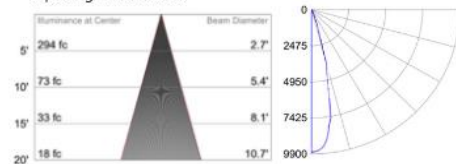|	Illuminance at Center	Beam Diameter	
5'	395 fc	2.4'	500
10'	99 fc	4.7'	1000
15'	44 fc	7.1'	1500
20'	25 fc	9.5'	2000

T80 - 40 Degree
Delivered Light Output: 2200 Lumens
Total Watts @120V: 22W
Lumens Per Watt: 100
Center Beam Candle Power: 3200
Spacing Criteria: 0.8

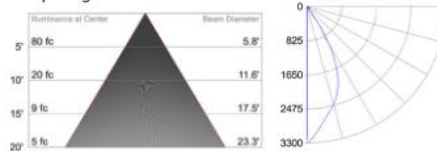|	Illuminance at Center	Beam Diameter	
5'	129 fc	3.9'	1850
10'	32 fc	7.8'	3700
15'	14 fc	11.8'	5550
20'	8 fc	15.7'	7400

T80 - 30 Degree
Delivered Light Output: 2300 Lumens
Total Watts @120V: 22W
Lumens Per Watt: 105
Center Beam Candle Power: 7300
Spacing Criteria: 0.6

	Illuminance at Center	Beam Diameter	
5'	294 fc	2.7'	2475
10'	73 fc	5.4'	4950
15'	33 fc	8.1'	7425
20'	18 fc	10.7'	9900

T80 - 60 Degree
Delivered Light Output: 2000 Lumens
Total Watts @120V: 22W
Lumens Per Watt: 90
Center Beam Candle Power: 2000
Spacing Criteria: 1.2

	Illuminance at Center	Beam Diameter	
5'	80 fc	5.8'	825
10'	20 fc	11.6'	1650
15'	9 fc	17.5'	2475
20'	5 fc	23.3'	3300

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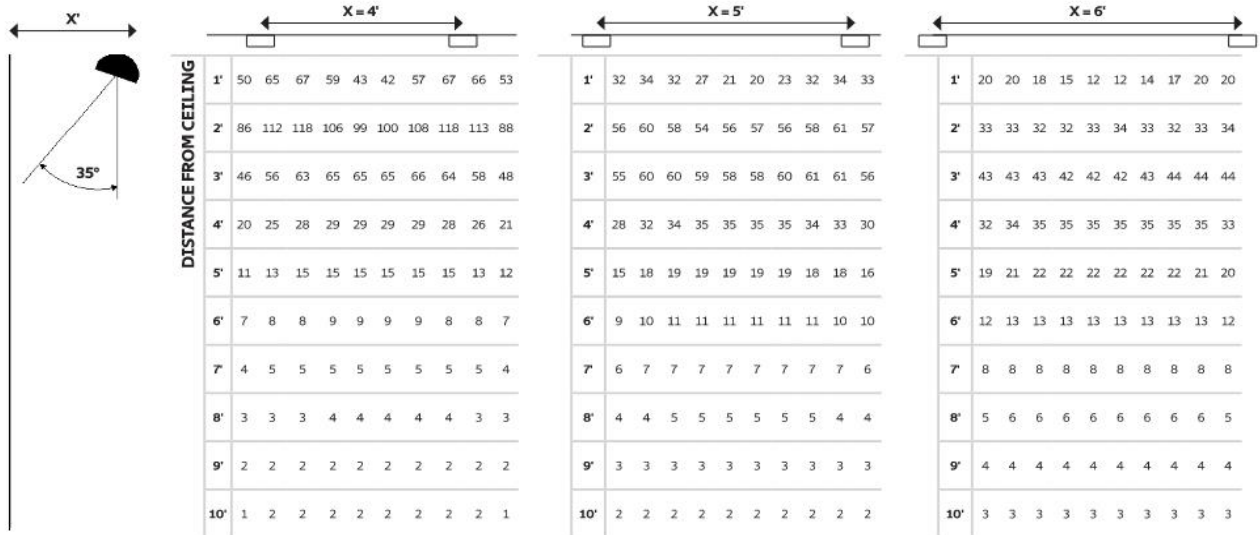14143 Denver West Pkwy, Suite 300 Golden, CO 80401 PH:(303)421.6655
www.me-engineers.com

Issue: **BLDG A RETAIL**
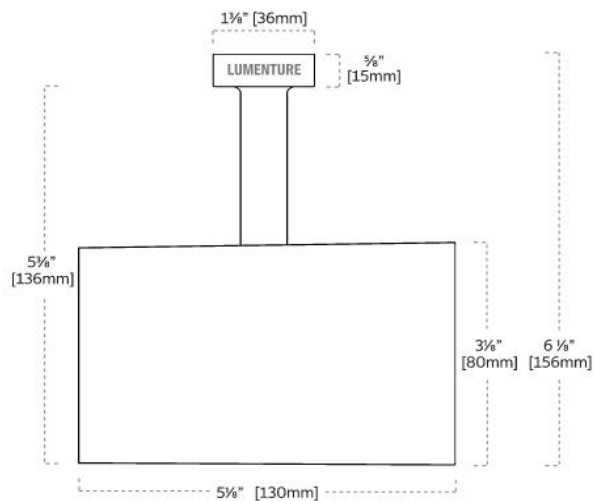Date: **20-May-22**
Project #: DV20131

Type: L19A,L20

T80 TRACK HEADS

WALL WASHER PHOTOMETRICS

X = 4' — DISTANCE FROM CEILING

1'	50	65	67	59	43	42	57	67	66	53
2'	86	112	118	106	99	100	108	118	113	88
3'	46	56	63	65	65	65	66	64	58	48
4'	20	25	28	29	29	29	29	28	26	21
5'	11	13	15	15	15	15	15	15	13	12
6'	7	8	8	9	9	9	9	8	8	7
7'	4	5	5	5	5	5	5	5	5	4
8'	3	3	3	4	4	4	4	4	3	3
9'	2	2	2	2	2	2	2	2	2	2
10'	1	2	2	2	2	2	2	2	2	1

X = 5'

1'	32	34	32	27	21	20	23	32	34	33
2'	56	60	58	54	56	57	56	58	61	57
3'	55	60	60	59	58	58	60	61	61	56
4'	28	32	34	35	35	35	35	34	33	30
5'	15	18	19	19	19	19	19	18	18	16
6'	9	10	11	11	11	11	11	11	10	10
7'	6	7	7	7	7	7	7	7	7	6
8'	4	4	5	5	5	5	5	5	4	4
9'	3	3	3	3	3	3	3	3	3	3
10'	2	2	2	2	2	2	2	2	2	2

X = 6'

1'	20	20	18	15	12	12	14	17	20	20
2'	33	33	32	32	33	34	33	32	33	34
3'	43	43	43	42	42	42	43	44	44	44
4'	32	34	35	35	35	35	35	35	35	33
5'	19	21	22	22	22	22	22	22	21	20
6'	12	13	13	13	13	13	13	13	13	12
7'	8	8	8	8	8	8	8	8	8	8
8'	5	6	6	6	6	6	6	6	6	5
9'	4	4	4	4	4	4	4	4	4	4
10'	3	3	3	3	3	3	3	3	3	3

DIMENSIONS

1⅛" [36mm]
⅝" [15mm]
5⅜" [136mm]
3⅛" [80mm]
6⅛" [156mm]
5⅛" [130mm]

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www.me-engineers.com

Issue: **BLDG A RETAIL**
Date: **20-May-22**
Project #: DV20131

Type: L19A,L20

# T80 TRACK HEADS

INTEGRAL CANOPY (Factory Installed)

SC (Slim Canopy)

The slim canopy mounts directly over a standard junction box - resulting in an elegant and clean install of Lumenture's award-winning T-Series track fixtures. Finish: B, S, W

4¾" [121mm]
⅜" [10mm]
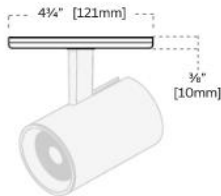
MC (Micro Canopy)

With a minimal 2.75" trim, the Lumenture micro-canopy virtually "disappears" into the ceiling - offering an even more refined look for the most high-end applications. Finish: B, S, W

2¾" [70mm]
2³⁄₁₆" [56mm]
2⅜" [60mm]
¹⁄₁₆" [1.6mm]
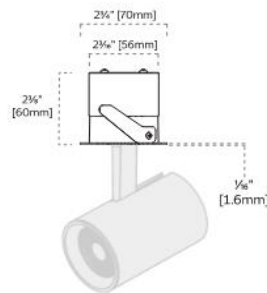
STANDARD CANOPY & ACCESSORIES (Ordered Separately)

JA-18 (Standard Mono-Point)

The JA-18 canopy mounts directly over a standard junction box and includes a "female" connector that works with Lumenture and other "J-Type" track fixtures. Finish: B, S, W

4¾" [121mm]
¹¹⁄₁₆" [17mm]

JA-21 (Duo-point Adapter)

Accepts two line voltage track heads to mount to a single outlet box. Compatible with Lumenture and other "J-Type" track fixtures. Finish: B, S, W

13" [330mm]
width 4⅛" [105mm]
⅞" [22mm]
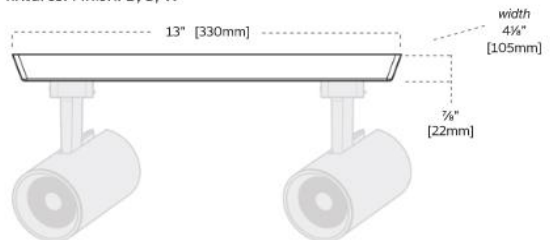
JA-18-[Finish]-Cover (Deep Canopy Collar)

The JA-18 Cover helps shield unsightly surface mount J-Boxes and blends seamlessly with the Lumenture JA-18 or SC Slim Canopy (sold separately). Finish: B, W

4⅝" [117mm]
2" [51mm]
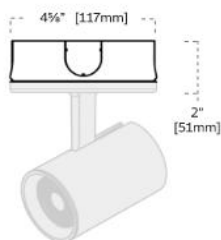
Ordering Example: JA-18-B-Cover

Finish Codes:

B – Black
S – Silver
W – White

T80 Track Head Specifications p. 4/5
Custom options available, please consult factory
Product specifications are subject to change
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	STEAMBOAT BASE AREA	Issue:	**BLDG A RETAIL**
me engineers	GSQ INTERIORS (A/C/F) & KVC & BLDG A RETAIL	Date:	**20-May-22**
		Project #:	DV20131
	14143 Denver West Pkwy, Suite 300 Golden, CO 80401 PH:(303)421.6655	**Type: L19A,L20**	
	www.me-engineers.com		

T80 TRACK HEADS

DIMMING

Dimming is standard and allows for smooth illumination below 1% with certain dimmers. Compatible with most Triac (forward phase) and ELV (reverse phase) dimmers. For dimmer compatibility, refer to the Fixture Dimming Compatibility document on our website.

TRACK COMPATIBILITY

Lumenture J-Type track adapters are designed for use with Lumenture's track systems, as well as Juno® & Contech® track. Our H-Type adapter is compatible with Halo® track, G-Type is compatible with Global Trac 2C/2N track and L-Type adapter is compatible with Lightolier® one-circuit track. Registered trademarks are property of their respective owners.
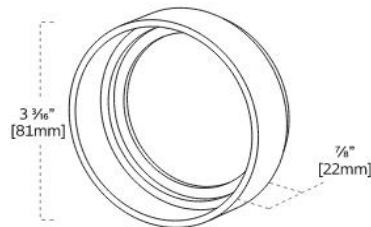
ACCESSORIES

T80-SN-x (Standard Tapered Snoot)
Will accept up to two (2) accessories.
Finish: W, B, S. The inside surface is black.

2⁷⁄₁₀" [69mm]

⁷⁄₈" [22mm]
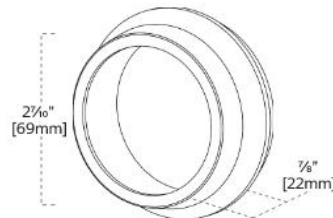
T80-SNC-x (Cylinder Snoot)
Will accept up to two (2) accessories.
Finish: W, B, S. The inside surface is black.

3 ³⁄₁₆" [81mm]

⁷⁄₈" [22mm]

T80-X
Lens Accessories

CL (Clear)	G (Green)	LB (Light Blue)	R (Red)
RO (Rose)	Y (Yellow)	LS (Linear Spread)	SOL (Solite)
HL (Black Honeycomb Louver)	CB (Black Cross Baffle)*	CR (Concentric Ring Baffle)*	

* Accessory requires a snoot.
Field replaceable optics, accessories, and emergency backup options available. Please consult factory.

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