	Development Application **Town of Stowe Planning & Zoning Department** **PO Box 730** **Stowe, VT 05672** **Telephone: (802) 253-6141** **This form serves as an application for all requested zoning and subdivision reviews.**	**Project #** (To be assigned)
		Date Received:

Property Owner Information

Property Owner	354 S Main Street, LLC
Mailing Street Address City, State and Zip	PO Box 882, Stowe, VT 05672

Telephone Number	802-881-6314	Email	nickdonza@aol.com

Applicant Information (Relationship to Owner)
X Owner (If so, skip to property information)   □ Lessee   □ Contractor
□ Architect/Designer □ Agent for Owner   □ Under purchase contract
All information and correspondence is sent to applicant/contact.

Applicant Name Company (if any)	
Mailing Street Address City, State and Zip	

Phone Number		Email	

Property Information & Location

Physical Address	354 S Main Street
Tax Map ID	7A-002.010

Existing Use	retail	Proposed Use	residential

Please briefly describe the proposed project, intended use, and/or development request below:

Redevelopment project proposing construction of a new 39-unit residential building on an existing lot. The new building will replace the prior use as a lumber retail shop.

For All Approvals:
The below signed hereby agrees that the proposed work shall be done in accordance with the application, plan, specifications, and other associated documentation and that the work shall conform to all applicable town ordinances and regulations. Signing as an "Agent for Owner" indicates that the person signing has the permission of the owner to act on the owner's behalf. Additional permits may be needed from the State of Vermont and/or the Town of Stowe for development.

Indicate if: X Property Owner OR □ Agent for Owner	Signature: _____ Date: Dominick Donza, 03/05/2025
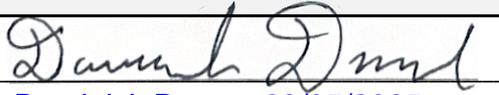
Additional application information is required on reverse side: ➔

Note: Local Zoning approval does not cover any required state approvals. Wastewater System and Potable Water Supply permits may be required for construction or modifications that change the wastewater flow. Other State permits may be required for certain uses. The applicant is advised to contact a DEC Permit Specialist to discuss the State permit requirements at 802-505-5367.

Construction Information
A site plan showing the proposed development is required if construction is involved.
The applicant is responsible for determining property lines and setbacks.

Please answer the questions below for all projects:		
Will there be a new curb cut (driveway opening)?	Yes □	No ☒
Will over ½ acre of land be graded or disturbed?	Yes ☒	No □
Will the development create an additional ½ acre of impervious surface?	Yes □	No ☒
Will there be other changes resulting in increased sewer or water flows?	Yes ☒	No □
Will there be a new connection to the Stowe sewage system?	Yes ☒	No □
Will there be a new connection to the Stowe water system?	Yes ☒	No □
Is any portion of the building rented out?	Yes ☒	No □
Is an Act 250 permit or amendment required?	Yes □	No ☒

Maximum Bldg. Height: __35'__ * Building Height is defined as the vertical distance measured from the average elevation of the proposed finished grade at the front or rear of the building to the highest point of the roof for flat and mansard roofs, and to the average height between eaves and ridge for other types of roofs. On sloping sites the height will be measured on the uphill side.

Please answer the questions below for all projects involving residential dwellings:

Existing Rooms:	# Bathrooms:	# Bedrooms:	# Kitchens:
New Rooms:	# Bathrooms:	# Bedrooms:	# Kitchens:

Please complete the fee calculation below for all applications:

Zoning Permit Fees - Single & Two-Family Dwellings (Permitted Uses)	Fee/Sq. Ft.	Fee Required
Enclosed building spaces per sq. ft (heated & unheated)	$0.30	
Unenclosed building spaces per sq. ft (i.e., decks, open porches, etc.)	$0.10	
Structures other than buildings (i.e., ponds, tennis courts, fences, etc.) - per structure	$60.00	
Minimum application fee for Single & Two-Family Dwellings/Permitted Uses	$60.00	
Fee:		$
Zoning Permit Fees – Conditional Uses (Commercial & Multi-Family Uses)	**Fee/Sq. Ft.**	**Fee Required**
Enclosed building spaces per sq. ft (heated & unheated)	$0.40	
Unenclosed building spaces per sq. ft (i.e., decks, open porches, etc.)	$0.25	
Structures other than buildings (i.e., ponds, tennis courts, fences, etc.) - per structure	$100	
Administrative amendment by Zoning Administrator	$75.00	
Fee:		$
Development Review & Public Hearing Fees	**Fee/Sq. Ft.**	**Fee Required**
Appeal of Action of Zoning Administrator	$250.00	
Variance or Dimensional Waiver	$250.00	
Conditional Use Review	$250.00	250.00
Ridgeline & Hillside Overlay District (RHOD) Review	$250.00	
Design Review (Single-Family & Two-Family Dwelling)	$60.00	
Design Review (All other uses except Single-Family & Two-Family Dwelling)	$250.00	
Subdivision Review (includes PRD's & PUD's)		
Preliminary Layout Application (base fee)	$250.00	
Preliminary Layout (fee per unit or lot if equal to and/or more than 5 lots/units)	$275.00	
Final Plat Application (base fee)	$250.00	
Final Plat Application (additional fee per unit or lot if preliminary layout was not required)	$150.00	
Minimal Alteration reviewed by Zoning Administrator	$100.00	
Other subdivision applications/amendments requiring DRB approval	$250.00	
Fee:		$
Signs	$70.00	
Fee:		$
Recording Fees /Stowe Land Records *(set by state law)*		

Additional Recording Fee for decision notice	$15.00/page	$
Additional Recording Fee for permit	$15.00/page	$ 15.00
Additional Recording Fee for Mylar	$25.00/sheet	$
Total Application Fee Including Recording		$ 265.00

Payments should be made to the Town of Stowe. Payment can be made by cash, check, or with a credit card (Mastercard, Visa or Discover) or online. Go to www.townofstowevt.org/townclerk/ and click the link for online payments. Please note there is a 3% convenience fee for credit card payments.

Incomplete applications will be returned. A complete application must include a site plan, elevation drawings, and floorplans. See application checklists for additional guidance.

The Town of Stowe welcomes all persons, regardless of race, color, religion, national origin, sex, gender identity or expression, family status, age, or ability, and wants everyone to feel safe and welcome in our community. As a town, we formally condemn discrimination in all its forms, commit to fair and equal treatment of everyone in our community, and will strive to ensure all of our actions, policies, and operating procedures reflect this commitment. The Town of Stowe has and will continue to be a place where individuals can live freely and express their opinion.

Mill Village Apartments
354 South Main St, Stowe

Historic Preservation Commission – Project Narrative
3/5/25

The proposed project is for a 3-story apartment building at 354 South Main St. The property is off Route 100, behind the Stowe Public Safety building, along the Little River and across from the Town Highway Garage. There is an existing building on the property that was previously used as a warehouse and lumber yard. The existing building has no historic value and will be demolished. The proposed building includes a below-grade parking garage, 39 apartments in a mix of 1-bedroom and 2-bedroom units and surface parking along the reconstructed driveway.

The building is designed to improve the overall look of the neighborhood and provide much needed housing in the area. It is oriented on the property in a way that limits its visibility from Rt 100. The length of the building is broken down into bays, alternating between brick bump-outs and clapboard recesses. In addition, the bays are broken down with trim, corner bump-outs and a change in material at the upper floors of the brick bays. An entry canopy & projecting stair tower help to identify the main entrance as well as break the building in half. The Owner desires to create rhythm in the facade as well as a certain amount of symmetry within the design. Due to the placement of the building behind the Public Safety building and along a sloping drive to adjacent properties the building façade is typically always perceived at an angle and not straight on.

The proposed materials were chosen to complement adjacent buildings as well as being chosen for their durability. In addition, the density of the brick walls will help in providing acoustic separation between the adjacent Town Garage and housing units. The property location allows for a more modern and industrial aesthetic in the design while using materials and details that are human scaled and reflective of other materials in the area. There is a mix of window patterns and styles including double-hung windows with muntin's and casement and transom windows. The scale of the building is true to its use while the break-up of massing and materials helps to scale down the building.

Mill Village Apartments
354 South Main St, Stowe

Historic Preservation Commission – Site Photos
3/5/25

VIEW @ RT 100 LOOKING NORTH

ADJACENT STOWE PUBLIC SAFETY BUILDING

EXISTING WAREHOUSE BUILDING TO BE DEMOLISHED

STOWE TOWN GARAGE ACROSS THE LITTLE RIVER

EXISTING POWER POLE TO REMAIN

STOWE TOWN GARAGE

VIEW OF PROPERTY ACROSS THE LITTLE RIVER TO THE SOUTH

REAR VIEW OF STOWE PUBLIC SAFETY BUILDING

VIEW OF EXISTING BUILDING FROM R.O.W. TO PUBLIC SAFETY BUILDING & PALISADES VILLAGE

VIEW LOOKING NORTH UP R.O.W. TO PUBLIC SAFETY BUILDING & PALISADES VILLAGE

VIEW OF ADJACENT PROPERTY TO THE NORTH

VIEW OF ADJACENT PROPERTY TO THE NORTH

EXISTING WAREHOUSE & SHED TO BE DEMOLISHED


EXISTING WAREHOUSE & SHED TO BE DEMOLISHED

VIEW OF ADJACENT STOWE TOWN GARAGE

VIEW OF ADJACENT STOWE TOWN GARAGE
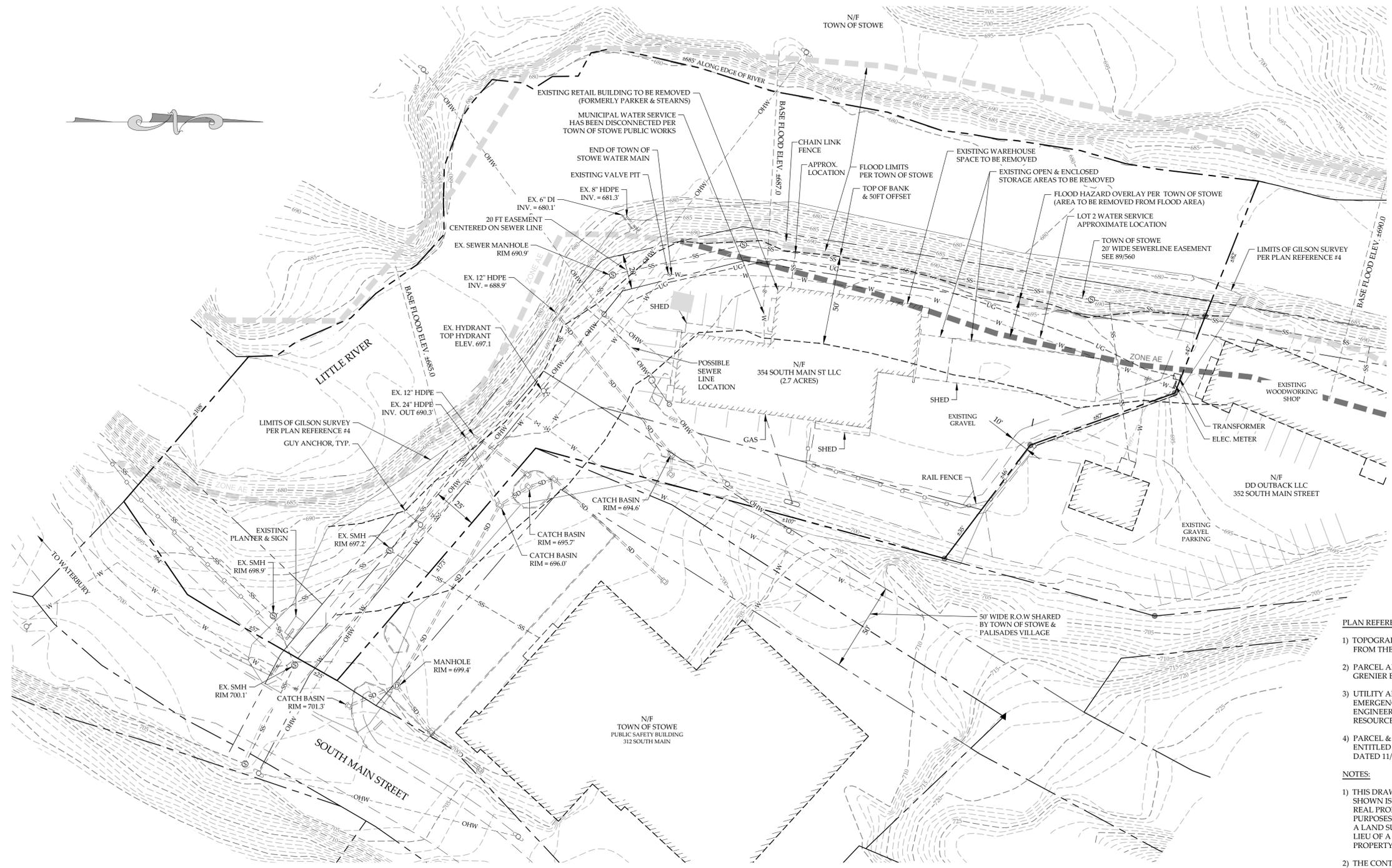
SITE LOCATION MAP
NOT TO SCALE

NORTH

Plan annotations

- N/F TOWN OF STOWE
- ALONG EDGE OF RIVER
- EXISTING RETAIL BUILDING TO BE REMOVED (FORMERLY PARKER & STEARNS)
- MUNICIPAL WATER SERVICE HAS BEEN DISCONNECTED PER TOWN OF STOWE PUBLIC WORKS
- END OF TOWN OF STOWE WATER MAIN
- EXISTING VALVE PIT
- CHAIN LINK FENCE
- APPROX. LOCATION
- FLOOD LIMITS PER TOWN OF STOWE
- TOP OF BANK & 50FT OFFSET
- EXISTING WAREHOUSE SPACE TO BE REMOVED
- EXISTING OPEN & ENCLOSED STORAGE AREAS TO BE REMOVED
- FLOOD HAZARD OVERLAY PER TOWN OF STOWE (AREA TO BE REMOVED FROM FLOOD AREA)
- LOT 2 WATER SERVICE APPROXIMATE LOCATION
- BASE FLOOD ELEV. ±687.0
- EX. 8" HDPE INV. = 681.3'
- EX. 6" DI INV. = 680.1'
- 20 FT EASEMENT CENTERED ON SEWER LINE
- EX. SEWER MANHOLE RIM 690.9'
- EX. 12" HDPE INV. = 688.9'
- EX. HYDRANT TOP HYDRANT ELEV. 697.1
- TOWN OF STOWE 20' WIDE SEWERLINE EASEMENT SEE 89/560
- LIMITS OF GILSON SURVEY PER PLAN REFERENCE #4
- BASE FLOOD ELEV. ±690.0
- ZONE AE
- SHED
- POSSIBLE SEWER LINE LOCATION
- N/F 354 SOUTH MAIN ST LLC (2.7 ACRES)
- EXISTING WOODWORKING SHOP
- LITTLE RIVER
- BASE FLOOD ELEV. ±685.0
- EX. 12" HDPE
- EX. 24" HDPE INV. OUT 690.3'
- LIMITS OF GILSON SURVEY PER PLAN REFERENCE #4
- GUY ANCHOR, TYP.
- SHED
- GAS
- SHED
- EXISTING GRAVEL
- RAIL FENCE
- TRANSFORMER
- ELEC. METER
- EXISTING GRAVEL PARKING
- N/F DD OUTBACK LLC 352 SOUTH MAIN STREET
- CATCH BASIN RIM = 694.6'
- CATCH BASIN RIM = 695.7'
- CATCH BASIN RIM = 696.0'
- EX. SMH RIM 697.2'
- EX. SMH RIM 698.9'
- EXISTING PLANTER & SIGN
- TO WATERBURY
- EX. SMH RIM 700.1'
- CATCH BASIN RIM = 701.3'
- MANHOLE RIM = 699.4'
- SOUTH MAIN STREET
- N/F TOWN OF STOWE PUBLIC SAFETY BUILDING 312 SOUTH MAIN
- 50' WIDE R.O.W SHARED BY TOWN OF STOWE & PALISADES VILLAGE

EXISTING CONDITIONS PLAN
C-1
SCALE: 1" = 30'

Graphic Scale
30   0   30   60   120 feet

LEGEND

Symbol	Description
N/F	NOW OR FORMERLY OWNED BY
	IRON PIPE / REBAR FOUND
▲	CALCULATED POINT
	EXISTING CATCH BASIN
	EXISTING WATER SHUT OFF
	EXISTING GATE VALVE
	EXISTING HYDRANT
	EXISTING UTILITY POLE
	EXISTING STORM DRAIN MANHOLE
	EXISTING SEWER MANHOLE
	BORING LOCATION PER PLAN REF#3
	EXISTING PROPERTY LINE
	ABUTTER PROPERTY LINE
	EXISTING RIGHT OF WAY / EASEMENT
	EXISTING STOCKADE FENCE
W	EXISTING WATER LINE
SS	EXISTING GRAVITY SEWER LINE
SD	EXISTING STORMWATER DRAIN
OHW	EXISTING OVERHEAD WIRES
500	EXISTING CONTOUR
	EXISTING GUARDRAIL
	EDGE OF RIVER/POND
	FLOOD LIMITS (TOWN OF STOWE)
	FLOOD HAZARD OVERLAY (TOWN OF STOWE)
	TOP OF RIVER BANK
	BUILDING SETBACK LINE

PLAN REFERENCES:

1) TOPOGRAPHIC, PARCEL, AND ORTHOGRAPHIC INFORMATION TAKEN ELECTRONICALLY FROM THE VERMONT CENTER FOR GEOGRAPHIC INFORMATION ON 05-23-24.

2) PARCEL AND SITE INFORMATION PROVIDED ELECTRONICALLY BY SUSAN WOOD OF GRENIER ENGINEERING, P.C., ON MAY 22, 2024.

3) UTILITY AND BORING INFORMATION BASED ON DESIGN PLANS ENTITLED "STOWE EMERGENCY SERVICES" DATED OCTOBER 22, 2008 AND PREPARED BY DEWOLFE ENGINEERING ASSOCIATES , ON FILE WITH THE VERMONT AGENCY OF NATURAL RESOURCES STORMWATER DIVISION ASSOCIATED WITH PERMIT 5456-9015.

4) PARCEL & SITE INFORMATION PROVIDED ELECTRONICALLY AND TAKEN FROM PLAN ENTITLED "EXISTING CONDITIONS SITE PLAN, PROPERTY OF 354 SOUTH MAIN STREET, LLC", DATED 11/15/2024, DWG#24095, PREPARED BY GILSON LAND SURVEY, INC.

NOTES:

1) THIS DRAWING IS NOT A BOUNDARY SURVEY PLAT. BOUNDARY LINE INFORMATION SHOWN IS BASED ON PLAN REFERENCE #4. THE PROPERTY LINES, EASEMENTS AND OTHER REAL PROPERTY DESCRIPTIONS PROVIDED ON THIS DRAWING ARE FOR ILLUSTRATION PURPOSES ONLY. THEY DO NOT DEFINE LEGAL RIGHTS OR MEET LEGAL REQUIREMENTS FOR A LAND SURVEY AS DESCRIBED IN V.S.A.TITLE 27 SECTION 1403 AND SHALL NOT BE USED IN LIEU OF A SURVEY AS THE BASIS OF ANY LAND TRANSFER OR ESTABLISHMENT OF ANY PROPERTY RIGHT.

2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING AND DETERMINING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES OR UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION. APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK.

3) THIS PLAN WAS DEVELOPED WITHOUT THE BENEFIT OF A SITE SPECIFIC TOPOGRAPHIC SURVEY OR "DIG SAFE" MARKINGS. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE NOT WARRANTED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT "DIG SAFE" BEFORE COMMENCING ANY WORK AND SHALL PRESERVE ALL EXISTING UTILITIES NOT SPECIFIED TO BE REMOVED OR ABANDONED AS PART OF THE PROJECT.

Title Block

EXISTING CONDITIONS
354 SOUTH MAIN STREET, LLC
354 SOUTH MAIN STREET
STOWE, VERMONT

MUMLEY ENGINEERING, INC.
46 HUTCHINS STREET
MORRISVILLE, VT 05661
WWW.MUMLEYENGINEERING.COM
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PROJECT NO................19005
DRAWN BY.................WEH
CHECKED BY.................TRM
SCALE.....................1" = 30'
DATE....................03/03/25

SHEET NO.
C-1
1 OF 3 SHEETS

LITTLE RIVER

±685' ALONG EDGE OF RIVER

BASE FLOOD ELEV. ±687.0

N/F
TOWN OF STOWE
HIGHWAY GARAGE

FLOOD LIMITS
PER TOWN OF STOWE

TOP OF BANK
& 50FT OFFSET

TOPOGRAPHIC
SURVEY LIMITS

FLOOD HAZARD OVERLAY PER TOWN OF STOWE
(AREA TO BE REMOVED FROM FLOOD AREA)

ZONE AE

SURFACE TO BE
RESTORED TO LAWN, TYP.

BASE FLOOD ELEV. ±694.0

PROPOSED
RETAINING WALLS

RAMP TO
UNDERGROUND
PARKING

PROPOSED DUMPSTER
PAD

PROPOSED 39 UNIT
RESIDENTIAL BUILDING
FFE GARAGE ±689.0
FFE GROUND LEVEL ±700.0

PROPOSED CONCRETE
CURB & SIDEWALK

SURFACE TO BE
RESTORED TO
LAWN

EXISTING
WOODWORKING
SHOP

VAN

PROPOSED
ACCESS DRIVE &
PARKING

PROPOSED
CONCRETE CURB

N/F
DD OUTBACK LLC
352 SOUTH MAIN STREET

EXISTING
GRAVEL
PARKING

N/F
TOWN OF STOWE
PUBLIC SAFETY BUILDING
312 SOUTH MAIN

NON CONFORMING STRUCTURE PLAN
SCALE: 1" = 40'

EXISTING
TOP OF BANK
& 50FT
SETBACK

PROPOSED STRUCTURE
ENCROACHMENT

±8,600 SF GRAVEL AREA
WITHIN SETBACK TO BE
RESTORED TO LAWN

EXISTING
STRUCTURE
ENCROACHMENT

209 PROPOSED
237 EXISTING

EXISTING STRUCTURE
ENCROACHMENT

PROPOSED STRUCTURE
ENCROACHMENT

EXISTING GRAVEL
RESTORED TO LAWN

STRUCTURE WITHIN RIVER SETBACK
±237 LF EXISTING   ±209 FT PROPOSED
±4,936 SF EXISTING ±5,464 SF PROPOSED

PURPOSE OF PLAN:
  PROPOSED MULTI UNIT RESIDENTIAL
  BUILDING DEVELOPMENT

OWNER OF RECORD:
  354 S MAIN STREET, LLC

ZONING NOTES:
  DISTRICT: VC10
      HISTORIC OVERLAY
      FLOOD HAZARD OVERLAY

  MINIMUM LOT SIZE: 10,000 SF

  MINIMUM LOT WIDTH: 40 FT

  SETBACKS:
      FRONT = 10 FT
      BACK = 10 FT
      SIDE = 10 FT

  MAXIMUM BUILDING HEIGHT:
      35 FT WITH 50% OF REQUIRED
      PARKING UNDER THE BUILDING

BUILDING COVERAGE CALCULATIONS:
  LOT AREA = 2.7 ACRES = 117,612 SF
  BUILDING COVERAGE MAX = N/A

DENSITY CALCULATIONS:
  1 UNIT PER 2,500 SF
  117,612 SF / 2,500 SF = 47 UNITS ALLOWED
  39 UNITS PROPOSED

AREA CALCULATIONS:
  EXISTING IMPERVIOUS AREA: ±0.90 ACRES
 PROPOSED IMPERVIOUS AREA: ±0.70 ACRES
  PROPOSED DISTURBED AREA: ±0.95 ACRES

SITE PLAN
SCALE: 1" = 20'
Graphic Scale
20 0 20 40   80 feet

BASE FLOOD ELEV. ±687.0

PROPOSED CONNECTION TO EXISTING SEWER LINE
CONNECT TO EXISTING CHIMNEY STRUCTURE (VERIFY LOCATION AND ELEVATION IN FIELD)

PROPOSED 8" HDPE WITH STABILIZED STONE OUTFALL
INV. OUT ±681.3 (VERIFY EXISTING PRIOR TO CONSTRUCTION)

EXISTING WATER SERVICE LINE TO BE REMOVED OR ABANDONED IN PLACE

EXISTING UNDERGROUND POWER LINE TO BE REMOVED OR ABANDONED IN PLACE

LIMIT OF TOWN WATER MAIN (VERIFY IN FIELD)

PROPOSED CATCH BASIN
RIM ±688.7
4" INV. IN (FDN DRAIN) TBD
8" INV. OUT ±683.9

PROPOSED SEWER SERVICE LINE
±24LF OF 4" DIA. SDR 35

STABILIZED STONE OUTFALL

PROPOSED DRAINAGE MANHOLE
RIM ±694.2
12" INV. IN ±690.1
12" INV. OUT ±690.0
(MATCH EXISTING 12" HDPE)

CUT & CAP EXISTING WATER MAIN

PROPOSED 6" DIA. SERVICE LINE CONNECTION TO EXISTING WATER MAIN

PROPOSED 3" DIA. SERVICE LINE CONNECTION TO EXISTING WATER MAIN

EXISTING HYDRANT

ZONE AE

BASE FLOOD ELEV. ±684.0

PROPOSED GUY POLE AND WIRE TO SUPPORT EXISTING RIVERSIDE POWER POLE

PROPOSED GROUND MOUNTED TRANSFORMER

PROPOSED WATER SERVICE ENTRANCE FOR DOMESTIC AND FIRE FLOW

PROPOSED 39 UNIT RESIDENTIAL BUILDING
FFE GARAGE ±689.0
FFE GROUND LEVEL ±700.0

PARKING LEVEL FAN/VENT

ZONE AE

EXISTING WOODWORKING SHOP

FFE ±700

FFE ±700

REPLACED ¾" SERVICE LINE CONNECTIONS
VERIFY EXISTING PIPE DIA. PRIOR TO CONSTRUCTION

VAN

PROPOSED CATCH BASIN
RIM ±694.3
12" INV. IN ±690.9
12" INV. OUT ±690.7

1%

4.9%

2%

2.6%

2.1%

N/F
DD OUTBACK LLC
352 SOUTH MAIN STREET

± 410LF OF PROPOSED 3" DIA. WATER SERVICE LINE TO 352 S. MAIN STREET PROPERTY

EXISTING CATCH BASIN & PIPING TO BE REMOVED

EXISTING POWER POLE TO BE REMOVED

PROPOSED CATCH BASIN
RIM ± 697.9
12" INV. IN ±692.3
12" INV. OUT ±692.2

RELOCATE LINES UNDERGROUND AS REQUIRED

EXISTING POWER POLE TO BE REMOVED

PROPOSED CATCH BASIN
RIM ± 697.0
12" INV. OUT ±693.4

N/F
TOWN OF STOWE
PUBLIC SAFETY BUILDING
312 SOUTH MAIN

UTILITY & GRADING PLAN
1 C-3
SCALE: 1" = 20'

Graphic Scale
20   0   20   40   80
feet

OVERALL SITE UTILITY & GRADING PLAN
354 SOUTH MAIN STREET, LLC
354 SOUTH MAIN STREET
STOWE, VERMONT

PROJECT NO.............19005	SHEET NO.
DRAWN BY.................WEH	
CHECKED BY................TRM	C-3
SCALE..................... 1 " = 20'	
DATE......................03/03/25	3 OF 3 SHEETS

LEVEL 1 – FLOOR PLAN

204'-0"

2 BEDROOM CORNER (1)

2 BEDROOM CORNER (1)

1 BEDROOM

1 BEDROOM

2 BEDROOM

2 BEDROOM

1 BEDROOM

1 BEDROOM

2 BEDROOM CORNER (3)

1 BEDROOM

1 BEDROOM (L)

1 BEDROOM (L)

1 BEDROOM

2 BEDROOM CORNER (2)

MAILBOXES

EMR

CORRIDOR

STAIR A

VEST.

STAIR B

UP

HWH

62'-0"

9'-6"

11'-0 1/4"

20'-11 1/2"

11'-0 1/4"

9'-6"

28'-4"

9'-0 1/8"

15'-1 7/8"

10'-6"

5'-0"

4'-5 3/4"

7'-6" 6'-0" 22'-0" 22'-0" 22'-0" 11'-6" 11'-6" 22'-0" 50'-0" 7'-6" 16'-6 1/8" 5'-5 7/8"

204'-0"

2 / SD-01   LEVEL 1 – FLOOR PLAN   1/8" = 1'-0"

LEVEL 0 – PARKING GARAGE FLOOR PLAN

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

20 21 22 23 24 25 26 HC 27 28 29 30 31 32 33

BELOW-GRADE PARKING GARAGE
(33 PARKING SPACES)

MECH/SPRINK.

ELEC.

GARAGE LOBBY

ELEV

STAIR A

STORAGE

STAIR B

MECH. VENTILATION AREAWAY

18'-0" 24'-0" 18'-0"

62'-0"

1 / SD-01   LEVEL 0 – PARKING GARAGE FLOOR PLAN   1/8" = 1'-0"

MILL VILLAGE APARTMENTS

FLOOR PLANS

PROJECT NO: 2024055
PROGRESS PRINT: 3/5/2025 4:06:47 PM

WLA

Level 3 plan labels:

2 BEDROOM CORNER (1)

2 BEDROOM CORNER (1)

1 BEDROOM

2 BEDROOM

2 BEDROOM

1 BEDROOM

1 BEDROOM

2 BEDROOM CORNER (3)

1 BEDROOM

1 BEDROOM (L)

STORAGE

1 BEDROOM (L)

1 BEDROOM

2 BEDROOM CORNER (2)

CORRIDOR

STAIR A

STAIR B

② LEVEL 3
SD-02   1/8" = 1'-0"

Level 2 plan labels:

2 BEDROOM CORNER (1)

2 BEDROOM CORNER (1)

1 BEDROOM

2 BEDROOM

2 BEDROOM

1 BEDROOM

1 BEDROOM

2 BEDROOM CORNER (3)

1 BEDROOM

1 BEDROOM (L)

STORAGE

1 BEDROOM (L)

1 BEDROOM

2 BEDROOM CORNER (2)

CORRIDOR

STAIR A

STAIR B

① LEVEL 2
SD-02   1/8" = 1'-0"

MILL VILLAGE APARTMENTS

FLOOR PLANS

PROJECT NO:	2024055
PROGRESS PRINT:	3/5/2025 4:06:53 PM

WLA

EAST ELEVATION

MATERIAL 3 MATERIAL 1 MATERIAL 5 MATERIAL 3 MATERIAL 3 MATERIAL 3 MATERIAL 1

T.O. PLATE
129' - 9 5/8"

LEVEL 3
120' - 8 1/2"

MATERIAL 3

MATERIAL 4

LEVEL 2
110' - 4 1/4"

BUILDING MOUNTED LIGHT FIXTURE, TYPE WM

LEVEL 1
100' - 0"

MATERIAL 4 MATERIAL 2 MATERIAL 2 MATERIAL 6 MATERIAL 5 MATERIAL 4

LEVEL 0
88' - 6"

1 EAST ELEVATION
SD-05   1/8" = 1'-0"

SOUTH ELEVATION

MATERIAL 5 MATERIAL 1

T.O. PLATE
129' - 9 5/8"

LEVEL 3
120' - 8 1/2"

MATERIAL 4

MATERIAL 5

MATERIAL 4

LEVEL 2
110' - 4 1/4"

ENTRANCE BEYOND

LEVEL 1
100' - 0"

OPEN TO PARKING GARAGE

LEVEL 0
88' - 6"

TRASH/RECYCLING   BUILDING MOUNTED LIGHT FIXTURE, TYPE WM

2 SOUTH ELEVATION
SD-05   1/8" = 1'-0"

NORTH ELEVATION

MATERIAL 1 MATERIAL 3

MATERIAL 4

MATERIAL 4

AREAWAY FOR MECHANICAL VENTILATION @ PARKING GARAGE

3 NORTH ELEVATION
SD-05   1/8" = 1'-0"

WEST ELEVATION

MATERIAL 1 MATERIAL 3 MATERIAL 3 MATERIAL 1 MATERIAL 3 MATERIAL 1

T.O. PLATE
129' - 9 5/8"

MATERIAL 5

MATERIAL 4

MATERIAL 3

LEVEL 3
120' - 8 1/2"

LEVEL 2
110' - 4 1/4"

MATERIAL 4

MATERIAL 2 MATERIAL 2 MATERIAL 2 MATERIAL 2

LEVEL 1
100' - 0"

4 WEST ELEVATION
SD-05   1/8" = 1'-0"

MILL VILLAGE APARTMENTS

SD ELEVATIONS

PROJECT NO: 2024055
PROGRESS PRINT: 3/5/2025 4:08:30 PM

WLA

MATERIAL 1: COMPOSITE SHAKE SIDING

MATERIAL 2: BRICK MASONRY UNITS
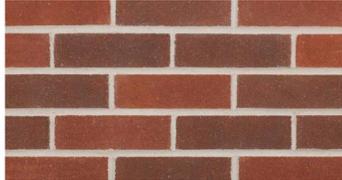
MATERIAL 3: COMPOSITE LAP SIDING

MATERIAL 4: COMPOSITE BOARD & BATTEN SIDING

MATERIAL 5: METAL PANELS

MATERIAL 6: TIMBER POSTS & WOOD SOFFIT

ENTRY DOOR & FIBERGLASS WINDOWS

EXTERIOR MATERIALS LEGEND
1/4" = 1'-0"

METAL DRIP EDGE
COMPOSITE FASCIA
BUILT-UP TRIM W/ BREAK @ LOUVER

MATERIAL 1

MATERIAL 5

354

MATERIAL 5

MATERIAL 4

MATERIAL 2

MATERIAL 5

MATERIAL 2

T.O. PLATE
129' - 9 5/8"

LEVEL 3
120' - 8 1/2"

LEVEL 2
110' - 4 1/4"

LEVEL 1
100' - 0"

SOLDIER COURSE HEADER
GRANITE SILL
LOUVER W/ TRIM PANELS

5/4x4 COMPOSITE TRIM @ WINDOW HEAD
1x6 COMPOSITE TRIM @ JAMB & 1x4 @ SILL

LOUVER W/ TRIM PANELS
1x12 COMPOSITE WATER TABLE TRIM

BUILDING ENTRANCE W/ ENTRY CANOPY
8x8 TIMBER COLUMN W/ STEEL KNIFE PLATE BASE PLATE

STAIR TOWER

1   ENLARGED EAST ELEVATION - PARTIAL
SD-04   1/4" = 1'-0"

MILL VILLAGE APARTMENTS

N

ENLARGED EAST ELEVATION

PROJECT NO: 2024055
PROGRESS PRINT: 3/5/2025 4:08:59 PM

WLA

MILL VILLAGE APARTMENTS

N

RENDERINGS

PROJECT NO: 2024055
PROGRESS PRINT: 3/5/2025 4:09:02 PM

WLA

APPROACH VIEW/PARKING ENTRY : SUMMER

BUILDING MAIN ENTRY : SUMMER

APPROACH VIEW/PARKING ENTRY : WINTER

BUILDING MAIN ENTRY : WINTER

MILL VILLAGE APARTMENTS

RENDERINGS

PROJECT NO:	2024055
PROGRESS PRINT:	3/5/2025 4:09:03 PM

WLA

Schedule
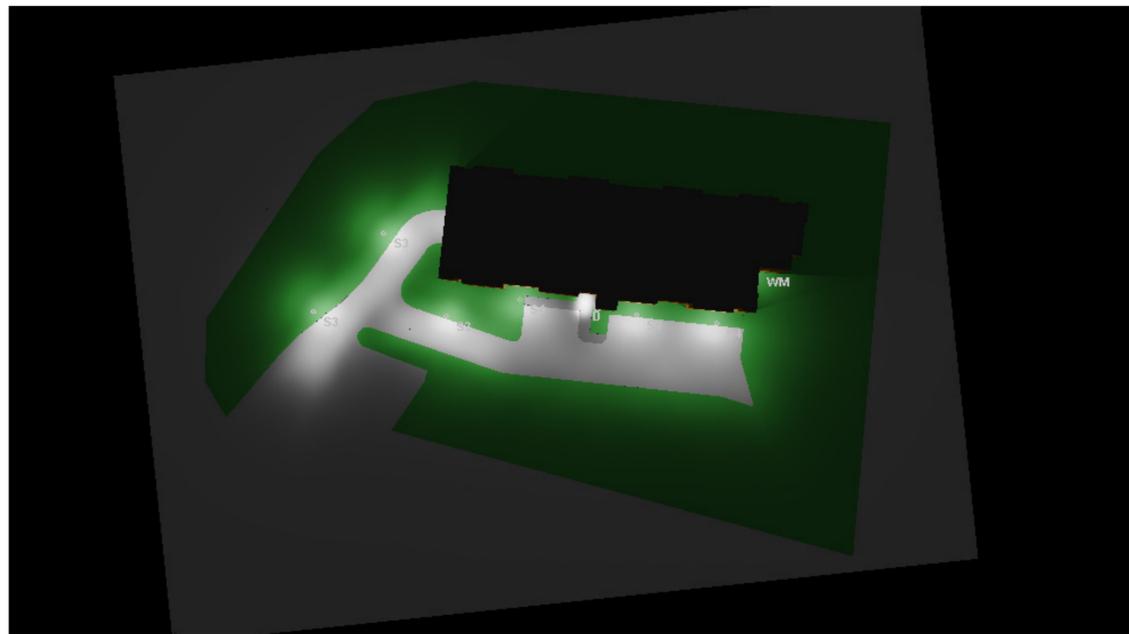
Symbol	Label	QTY	Manufacturer	Catalog Number	Description
◯	D	2	LUMENPULSE LIGHTING INC. LONGUEUIL, QUEBEC	LCRN-X-FD-120_277-R-L07-30K-90-MFR-___-SB--MWH-RD-MWH-NC-1-WET-NA	LED LUMINAIRE
⌂	WM	2	Lumenpulse	BLDN-SD/WM-120/277-FSL-N07-30K-CRI 80-3	Lumenblade Nano
◯	S3	3	Lumenpulse	ALG-120/277-CSL-S40-30K-CRI 80-3	Allegra Mounting height is 14' off finished grade
◯	S4	3	Lumenpulse	ALG-120/277-CSL-S40-30K-CRI 80-4	Allegra

View #1

LITTLE RIVER

BASE FLOOD ELEV. 687.0

FLOOD LIMITS
PER TOWN OF STOWE

TOP OF BANK &
50FT OFFSET

TOPOGRAPHIC
SURVEY LIMITS

FLOOD HAZARD OVERL
(AREA TO BE REMOVED

SURFACE TO BE
RESTORED TO
LAWN, TYP.

PROPOSED
DUMPSTER PAD

PROPOSED
RETAINING WALLS

RAMP TO
UNDERGROUND
PARKING

PROPOSED 39 UNIT
RESIDENTIAL BUILDING
FFE GARAGE ±689.0
FFE GROUND LEVEL ±700.0

PROPOSED CONCRETE
CURB & SIDEWALK

PROPOSED ACCESS
DRIVE & PARKING

PROPOSED
CONCRETE
CURB

Specification Sheet

Allegra
Allegra Medium

Project Name _____ Qty _____
Type _____ Catalog / Part Number _____

ALG7200 ALG7202 ALG7204 ALG7200 ALG7202 ALG7204
ALG7220 ALG7222 ALG7224 ALG7220 ALG7222 ALG7224

Distributions
Type II Type III Type IV Type V Square
Backlight shield Backlight shield Type IV Backlight shield Type V Softsite

Description

The Allegra Medium is a durable, stylish luminaire for urban lighting applications, including pedestrian plazas, residential streets and collector roads. Offering a choice of outputs, color temperatures, and distributions, the Allegra Medium is elegance personified.

Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, 5700K
Distributions	Type II, Type III or Type IV (with or without backlight shield), Type S square and Type V Softsite
Option	Corrosion-resistant Coating for Hostile Environments Surge Protector
Mounting Options	Pendant Medium (4-Bolt Tenon Adaptor), Side Internal (2 3/8 in Tenon)
Warranty	5-year limited warranty

Performance

Output (Nominal Lumens)	Minimum 3000lm / Maximum 17000lm
Color Rendering	3 SDCM for CRI 70+ and 2 SDCM for CRI 80+
Lumen Maintenance	TM-21 L70 527,000 hrs (projected. To 77 °F), 36,000 hrs (reported. To 77 °F)
DarkSky	DarkSky Approved (2200K, 2700K and 3000K color temperatures, BUG rating of U0)

Physical

Housing Material	Die cast low copper 360 aluminum alloy
Lens Material	Optical tempered clear glass (Clearsite lens), Optical tempered opal glass (Softsite lens)
Weight	Up to 35 lbs

Colors and Color Temperatures
2200K 2700K 3000K 3500K 4000K 5700K

Control
ON/OFF 0-10V

Rating
IP66 (optical chamber)

Certifications

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354 SO MAIN STOWE
SITE LIGHTING

1 of 1

Project Name Mill Village Apartments - 354 So Main St, Stowe

Qty

Type S3/S4 **Catalog / Part Number**

ALG7200   ALG7202   ALG7204

ALG7220   ALG7222   ALG7224

$19\frac{7}{8}$" ⌀$26\frac{3}{8}$" **ALG7200**

$19\frac{7}{8}$" ⌀$26\frac{3}{8}$" **ALG7202**

$19\frac{7}{8}$" ⌀$20\frac{1}{2}$" **ALG7204**

$19\frac{7}{8}$" ⌀$27\frac{3}{8}$" **ALG7220**

$19\frac{7}{8}$" ⌀$26\frac{3}{8}$" **ALG7222**

$19\frac{7}{8}$" ⌀$20\frac{1}{2}$" **ALG7224**

Distributions

Type II	Type III	Type IV	Type V Square
Type II Backlight shield	Type III Backlight shield	Type IV Backlight shield	Type V Softsite

Colors and Color Temperatures

2200K   2700K   3000K   3500K   4000K   5700K

Control

ON/OFF   0-10V

Rating

IP66 (optical chamber)

Certifications

c(UL)us   5 YEARS lumenpulse

Description

The Allegra Medium is a durable, stylish luminaire for urban lighting applications, including pedestrian plazas, residential streets and collector roads. Offering a choice of outputs, color temperatures, and distributions, the Allegra Medium is elegance personified.

Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, 5700K
Distributions	Type II, Type III or Type IV (with or without backlight shield), Type 5 square and Type V Softsite
Option	Corrosion-resistant Coating for Hostile Environments Surge Protector
Mounting Options	Pendant Medium (4-Bolt Tenon Adaptor), Side Internal (2 3/8 in Tenon)
Warranty	5-year limited warranty
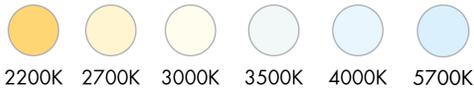
Performance

Output (Nominal Lumens)	Minimum 3000lm / Maximum 17000lm
Color Rendering	3 SDCM for CRI 70+ and 2 SDCM for CRI 80+
Lumen Maintenance	TM-21 L70 527,000 hrs (projected, Ta 77 °F), 36,000 hrs (reported, Ta 77 °F)
DarkSky	DarkSky Approved (2200K, 2700K and 3000K color temperatures, BUG rating of U0)

Physical

Housing Material	Die cast low copper 360 aluminum alloy
Lens Material	Optical tempered clear glass (Clearsite lens), Optical tempered opal glass (Softsite lens)
Weight	Up to 35 lbs

EPA	Up to 1.13 ft²
Surface Finish	Super durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5-years Florida exposure). A corrosion resistant finish (CRC) pre-finish is available to meet ASTM B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance).

Electrical and Control

Voltage	120 Volts, 208 volts, 240 volts, 277 Volts, 347 volts, 480 volts
Control	On/Off Control, 0-10V Dimming

Environmental

Storage Temperature	-40 °F to 122 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-40 °F to 104 °F (-13 °F to 104 °F for 120V combined with M80, L170, L30 Softsite, L50 Softsite or L70 Softsite output)
Operating Temperature	-40 °F to 104 °F (-13 °F to 104 °F for 120V combined with M80, L170, L30 Softsite, L50 Softsite or L70 Softsite output)
Ingress Protection Rating	IP66 (optical chamber)
Environment	Dry/damp/wet location

Decorative arms (Order Separately, Consult Related Specification Sheets for Details)

Compatible decorative arms	Pendant-Mount Decorative Arm: P4-Pendant Medium (4-Bolt Tenon Adaptor) Luminaire Mounting Option with DT6, CS2, CS4, CS6, CS12, CS13 and MC5 Arm Style., Side-Mount Decorative Arm: SI2-Side Internal (2 3/8 in Tenon) Luminaire Mounting Option with PU2, PU4, PU5, PU8, CS12 and CS13 Arm Style.

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Photometric Information

Type II, 4000K, CRI 70+
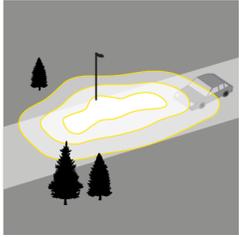
Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	B	U	G	Typical maximum power 120/277V (W)
S40	3,376	109	1	0	1	31
S60	5,204	95	1	0	1	55
M80	6,892	108	2	0	1	64
M110	9,423	102	2	0	2	92
M150	12,518	95	2	0	2	132
L170	14,023*	96	3*	0*	2*	146

Type III, 4000K, CRI 70+

Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	B	U	G	Typical maximum power 120/277V (W)
S40	3,801	123	1	0	1	31
S60	5,861	107	1	0	1	55
M80	7,761	121	2	0	2	64
M110	10,612	115	2	0	2	92
M150	14,097	107	3	0	2	132
L170	15,792*	108	3*	0*	2*	146

Type IV, 4000K, CRI 70+
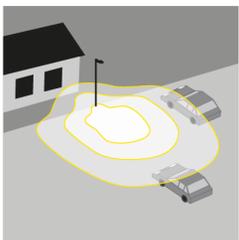
Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	B	U	G	Typical maximum power 120/277V (W)
S40	3,529	114	1	0	1	31
S60	5,441	99	1	0	1	55
M80	7,205	113	2	0	2	64
M110	9,852	107	2	0	2	92
M150	13,087	99	3	0	3	132
L170	14,662*	100	3*	0*	3*	146

Type V square, 4000K, CRI 70+
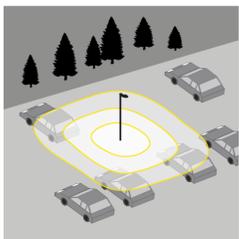
Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	B	U	G	Typical maximum power 120/277V (W)
S40	3,844	124	2	0	1	31
S60	5,927	108	3	0	1	55
M80	7,849	123	3	0	1	64
M110	10,733	117	3	0	2	92
M150	14,257	108	4	0	2	132
L170	15,980*	110	4*	0*	2*	146

Type V Softsite, 4000K, CRI 70+
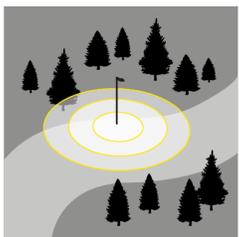
Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	B	U	G	Typical maximum power 120/277V (W)
L30	2,647	58	1	0	1	46
L50	5,134	53	2	0	1	97
L70	6,979	48	2	0	1	146

*Photometric performance is measured in compliance with IESNA LM-79-08. Due to rapid and continous advance in LED technology, photometric information is subject to change without notice.

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Optical System

LED board size

Small (4000lm to 6000lm)
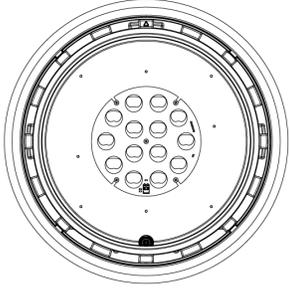
Medium (8000lm to 15000lm)
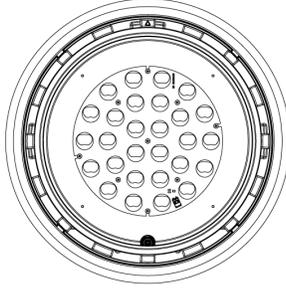
Large (17000lm)
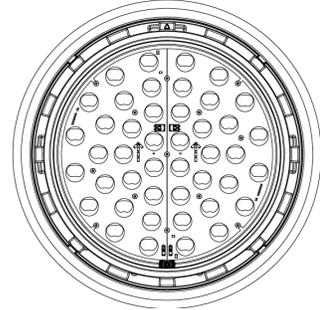
Type V Softsite is available with large LED board only (3000lm to 7000lm).

Backlight Shield*

*Small, Medium and Large LED boards size have the same full coverage backlight shield pieces.
*Backlight sheild available with Type II, Type III and Type IV only.
*Backlight shield is factory installed.

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Typical Wiring Diagrams

Wiring Color Code

Color	Black	White	Green	Purple	Gray
Use	Line	Line/Neutral	Ground	0 -10V+	0 -10V -
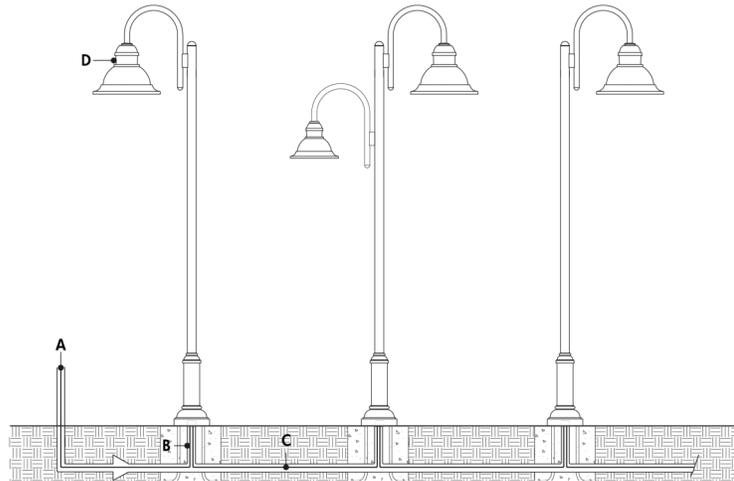
On/Off Control (NO)

A - Power input (120-480V, wiring by others)
B - Conduit (by others)
C - Power wiring (by others)
D - Allegra medium

On/Off Control (NO) - Wiring Detail
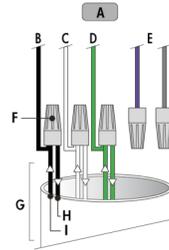
A - To fixture
B - Line
C - Line/Neutral
D - Ground
E - Not required
F - Wire-nuts (by others)
G - Conduit (by others)
H - To next fixture
I - Power input or from previous fixture

• Consult factory for specific applications and maximum fixture count/cable length recommendations.

0-10V Dimming (DIM)
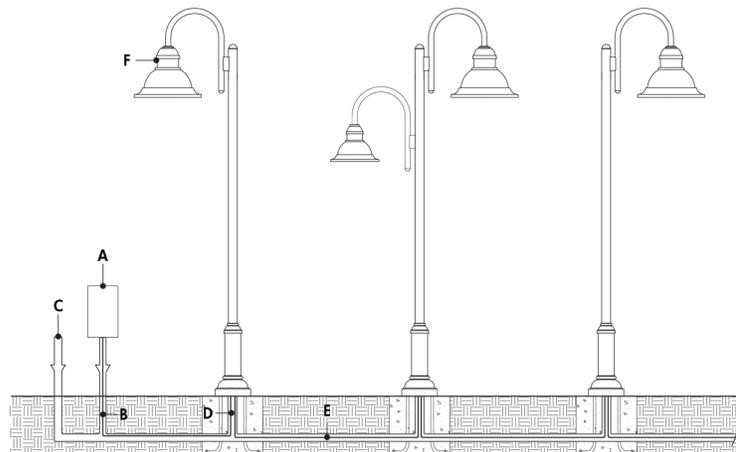
A - Dimmer (by others)
B - Data wiring (by others)
C - Power input (120-480V, wiring by others)
D - Conduit (by others)
E - Power and data wiring (by others)
F - Allegra medium

0-10V Dimming (DIM) - Wiring Detail

A - To fixture
B - 0-10V +
C - 0-10V -
D - Line
E - Line/Neutral
F - Ground
G - Wire-nuts (by others)
H - Conduit (by others)
I - To next fixture
J - Power input and from third party dimmer or from previous fixture

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.

Mounting Options

P4 - Pendant Medium (4-Bolt Tenon Adaptor)

A - Decorative Arm
B - 4-Bolt Tenon Adaptor
C - Luminaire
D - (4x) Ø3/8 in x 1 in Bolt (included with luminaire).Ø3 3/4 in Bolt Circle

SI2 - Side Internal (2 3/8 in Tenon)

A - Decorative Arm
B - SI2 Tenon Adaptor
C - 3/8-16 Bolt and Lock Washers
D - Luminaire

P4 - Pendant Medium (4-Bolt Tenon Adaptor) Arm Style Dimensions

DT6 Arm Style
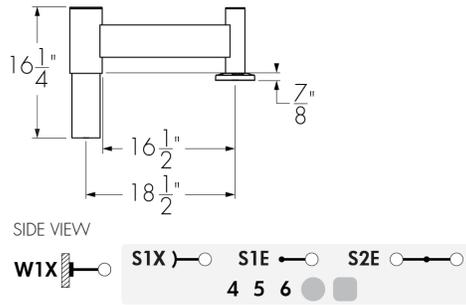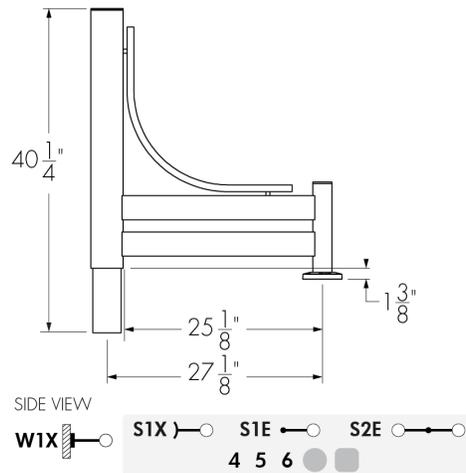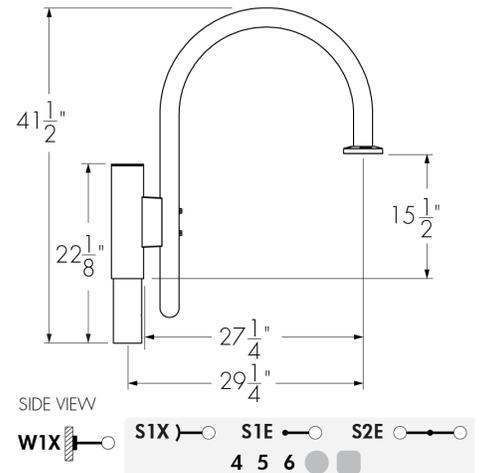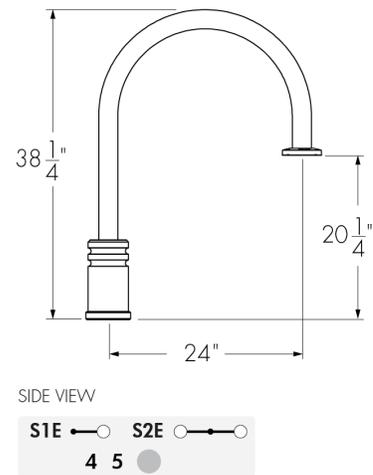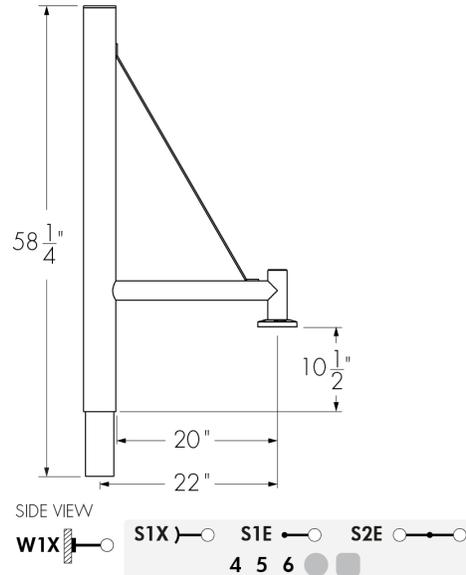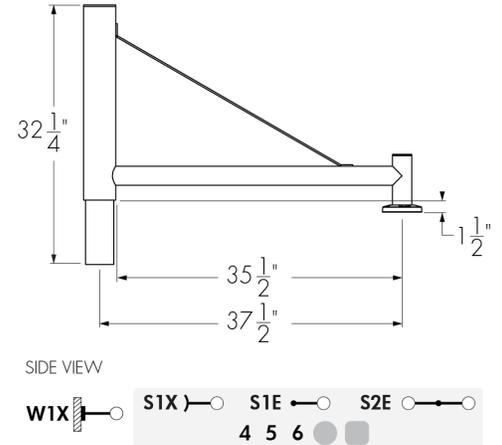
$16\frac{1}{4}$"

$\frac{7}{8}$"

$16\frac{1}{2}$"

$18\frac{1}{2}$"

SIDE VIEW

W1X   S1X   S1E   S2E

4   5   6

CS2 Arm Style

$40\frac{1}{4}$"

$1\frac{3}{8}$"

$25\frac{1}{8}$"

$27\frac{1}{8}$"

SIDE VIEW

W1X   S1X   S1E   S2E

4   5   6

CS4 Arm Style

$41\frac{1}{2}$"

$15\frac{1}{2}$"

$22\frac{1}{8}$"

$27\frac{1}{4}$"

$29\frac{1}{4}$"

SIDE VIEW

W1X   S1X   S1E   S2E

4   5   6

CS6 Arm Style

$38\frac{1}{4}$"

$20\frac{1}{4}$"

24"

SIDE VIEW

S1E   S2E

4   5

CS12 Arm Style

$58\frac{1}{4}$"

$10\frac{1}{2}$"

20"

22"

SIDE VIEW

W1X   S1X   S1E   S2E

4   5   6

CS13 Arm Style

$32\frac{1}{4}$"

$1\frac{1}{2}$"

$35\frac{1}{2}$"

$37\frac{1}{2}$"

SIDE VIEW

W1X   S1X   S1E   S2E

4   5   6

MC5 Arm Style

$30\frac{1}{8}$" $27\frac{3}{4}$"

$11\frac{1}{8}$"

$17\frac{5}{8}$"

$19\frac{5}{8}$"

SIDE VIEW

W1X   S1X   S1E   S2E

4   5   6

- Mid-pole/mid-luminaire distance is bases on 4 in pole (add 1/2 in for 5 in pole and 1 in for 6 in pole).

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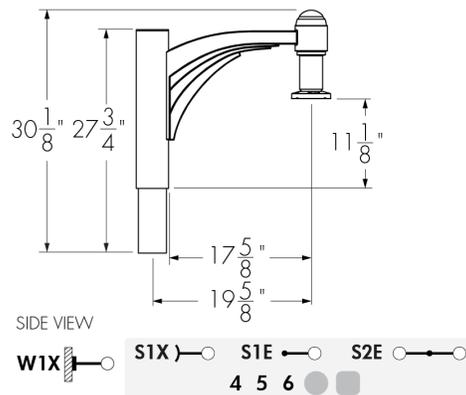
SI2 - Side Internal (2 3/8 in Tenon) Arm Style Dimensions

PU2 Arm Style
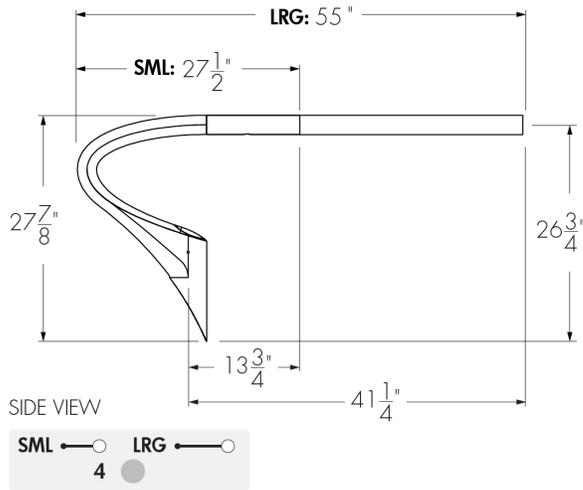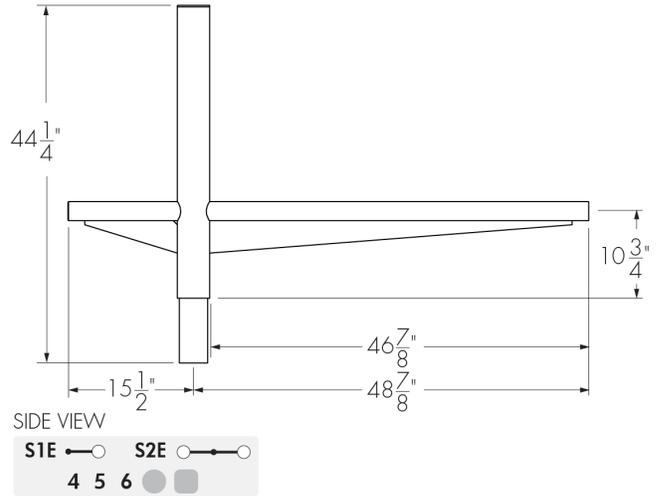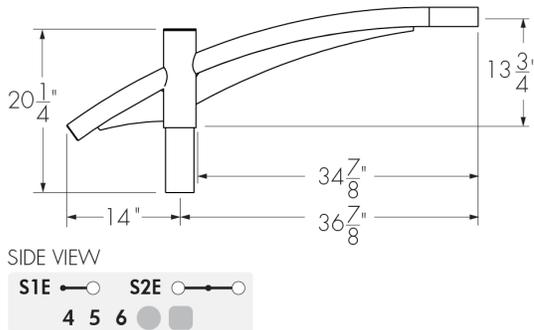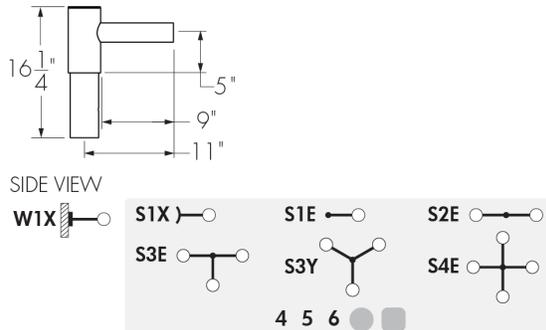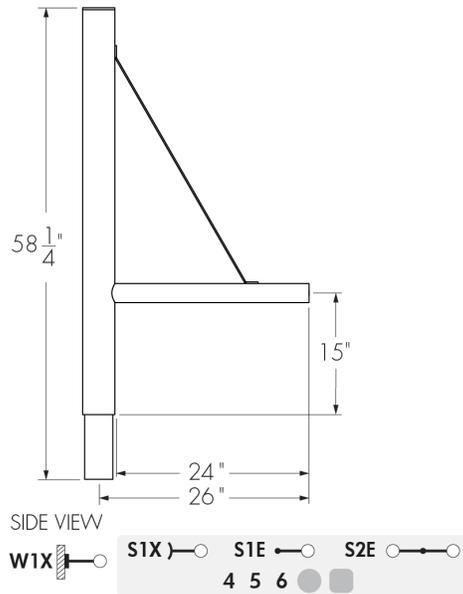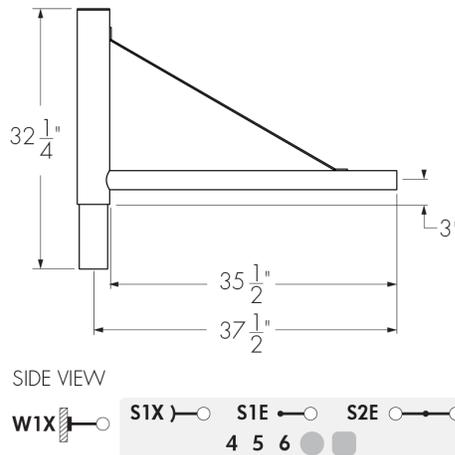
LRG: 55 "

SML: 27 $\frac{1}{2}$ "

27 $\frac{7}{8}$ "

26 $\frac{3}{4}$ "

13 $\frac{3}{4}$ "

41 $\frac{1}{4}$ "

SIDE VIEW

SML ●—○ LRG ●—○
4 ●

PU4 Arm Style

44 $\frac{1}{4}$ "

10 $\frac{3}{4}$ "

15 $\frac{1}{2}$ "

46 $\frac{7}{8}$ "

48 $\frac{7}{8}$ "

SIDE VIEW

S1E ●—○ S2E ○—●—○
4 5 6 ● ■

PU5 Arm Style

20 $\frac{1}{4}$ "

13 $\frac{3}{4}$ "

14 "

34 $\frac{7}{8}$ "

36 $\frac{7}{8}$ "

SIDE VIEW

S1E ●—○ S2E ○—●—○
4 5 6 ● ■

PU8 Arm Style

16 $\frac{1}{4}$ "

5 "

9 "

11 "

SIDE VIEW

W1X ▨—○

S1X)—○ S1E ●—Y S2E ○—●—○
S3E ○—┴ S3Y Y S4E ✛

4 5 6 ● ■

CS12 Arm Style

58 $\frac{1}{4}$ "

15 "

24 "

26 "

SIDE VIEW

W1X ▨—○

S1X)—○ S1E ●—○ S2E ○—●—○
4 5 6 ● ■

CS13 Arm Style

32 $\frac{1}{4}$ "

3 "

35 $\frac{1}{2}$ "

37 $\frac{1}{2}$ "

SIDE VIEW

W1X ▨—○

S1X)—○ S1E ●—○ S2E ○—●—○
4 5 6 ● ■

- Mid-pole/mid-luminaire distance is bases on 4 in pole (add 1/2 in for 5 in pole and 1 in for 6 in pole).

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How to Order

Housing (1)	Voltage	Lens	Output (Nominal Lumens)	Color and Color Temperature (7)	Color Rendering	Distributions	Finish	Control	Option	Mounting Options
ALG7200 Allegra 7200	**120** 120 Volts	**CSL** Clearsite Lens (2) (3)	**S40** 4000lm (6)	**22K** 2200K (8)	**CRI 70** CRI 70+ (9)	**2** Type II	**BK** Black Sandtex®	**DIM** 0-10V Dimming (14)	**CRC** Corrosion-resistant coating (15) (16)	**P4** Pendant Medium (4-Bolt Tenon Adaptor)
ALG7202 Allegra 7202	**208** 208 volts	**SSL** Softsite lens (4) (5)	**S60** 6000lm	**27K** 2700K (8)	**CRI 80** CRI 80+ (10)	**2BLS** Type II Backlight Shield	**BRZ** Bronze Sandtex®		**SP** Surge Protector	**SI2** Side Internal (2 3/8 in Tenon)
ALG7204 Allegra 7204	**240** 240 volts		**M80** 8000lm	**30K** 3000K		**3** Type III	**SI** Silver Sandtex®			
ALG7220 Allegra 7220	**277** 277 Volts		**M110** 11 000lm	**35K** 3500K		**3BLS** Type III Backlight Shield	**BKTX** Textured Black			
ALG7222 Allegra 7222	**347** 347 volts		**M150** 15 000lm	**40K** 4000K		**4** Type IV	**BRZTX** Textured Bronze Non-Metallic			
ALG7224 Allegra 7224	**480** 480 volts		**L170** 17 000lm	**57K** 5700K		**4BLS** Type IV Backlight Shield	**GRATX** Textured Medium Gray			
			L30 3000lm Softsite (5)			**5S** Type V Square	**GRNTX** Textured Green			
			L50 5000lm Softsite (5)			**5** Type V Softsite (4)	**WHTX** Textured White			
			L70 7000lm Softsite (5)				**CC** Custom Color & Finish (11) (12) (13)			

Notes:

1. Consult Related Products section on webpage for a selection of compatible decorative arms, decorative poles (sold separately).

2. Available with S40, S60, M80, M110, M150 and L170 output option only.

3. Available with types 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S distribution only.

4. Available with L30, L50 and L70 output options only.

5. Available with type 5 distribution only.

6. Available up to 277V.

7. Consult factory for more color temperature options.

8. Available for CRI 80 only.

9. Binning within a 3-step McAdam ellipse, with the exception of 5700K.

10. Binning within a 2-step MacAdam ellipse, with the exception of 2200K and 5700K.

11. Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). Textured or Sandtex finishes are recommended for the durability of all products. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

12. Setup charges apply for RAL colors. Consult factory for details.

13. Longer lead times can be expected for custom RAL color finishes.

14. DIM control can be used as NO (On/Off control) if no data is required.

15. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

16. Setup charges apply. Consult factory for details.

Project Name   Mill Village Apartments - 354 So Main St, Stowe

Qty

Type   D   **Catalog / Part Number**

Round trim
(Deep decorative bezel shown with 1 in ceiling springs)
Round trim ceiling cutout: Ø3.25 in

Min* 4 1/8"   Max* 5 1/4"

Ø2 3/4"
Ø3 3/4"

*Based on bezel type and lumen output, see dimensions page for details.

Square trim
(Deep decorative bezel shown with 1 in ceiling springs)
Square trim ceiling cutout: 3.25 in x 3.25 in

Min* 4 1/8"   Max* 5 1/4"

2 3/4"
3 3/4"

*Based on bezel type and lumen output, see dimensions page for details.

Optics

XN - 5°	VN - 10°	NS - 15°	N/NFR - 25°
M/MFR - 40°	W/WFR - 60°	VW/VWFR - 80°	

Color and Color Temperature

2200K	2700K	3000K	3500K	4000K

D_TW	D_TWP	D_WH	D_WW	D_WWP

Certifications

c(UL)us   RoHS   5 YEARS lumenpulse   ENERGY STAR

Description

The Lumencore Recessed Nano Downlight is a high-performance LED downlight for ceiling applications. Available in an array of trims and finishes, outputs, optics, color renderings, accessories, and a WET IP54 option, these luminaires are here to outperform. The Lumencore Recessed Nano Downlight possesses a previously unseen lifespan, is quick to install, and can be used with a number of different control options.

Features

Output (Nominal Lumens)	**L07:** 700 lm, **L10:** 1000 lm, **L13:** 1300 lm, **L20:** 2000 lm, **L30:** 3000 lm
Optics (Nominal Distribution)	**XN:** Extra Narrow Spot Distribution 5° **VN:** Very Narrow Spot Distribution 10° **NS:** Narrow Spot Distribution 15° **N:** Narrow Distribution 25° **NFR:** Narrow Faceted Reflector 25° **M:** Medium Reflector 40° **MFR:** Medium Faceted Reflector 40° **W:** Wide Reflector 60° **WFR:** Wide Faceted Reflector 60° **VW:** Very Wide Reflector 80° **VWFR:** Very Wide Faceted Reflector 80°
Options	**EBB:** Emergency Battery Backup with Hanger Bar (Bodine BSL17C-C2) **EBI:** Emergency Battery Backup with Hanger Bar (Iota ILB-CP07-A TBTS) **WET:** IP54 rating suitable for wet locations. For IP55 Shower Rated "Dead Front" applications see Lumencore Nano Shower Rated specification sheet
Warranty	5-year limited warranty

Electrical and Control

Voltage	**120:** 120 volts, **277:** 277 volts, **347:** 347 volts

Wattage Range	8.5W to 30W (wattage will vary based on voltage, output, color temperature, color rendering, optic, control and installation type, refer to Power Consumption table for details)

Physical

Trim	**RD:** Round, **SR:** Square Trim with Round Hole, **TLR:** Trimless Round, **SQ:** Square, **TLS:** Trimless Square
Ceiling Thickness	**1:** 0.04 in to 1 in Ceiling Thickness **2:** 1.05 in to 2 in Ceiling Thickness
Housing Material	Aluminum
Weight	3 lbs with RM installation type, 4.2 lbs with NC installation type, 7.2 lbs with PC, IC, IC/AT and RMR installation types (Weights are approximate based on the heaviest fixture configuration) Please consult factory if exact fixture weight is needed
Ceiling Space Requirements (Length x Width x Height)	Up to 15 in x 8 in x 12 in with RM installation type, Up to 15 in x 9 in x 12 in with NC installation type Up to 18 in x 15 in x 9 in with PC/IC/ICAT/RMR installation types (Dimensions will vary by output and color rendering, refer to Ceiling Requirements table for details.)

Performance

Maximum Delivered Output	Up to 2,868 lm (Very Wide Faceted Reflector optic 80°, 4000K, CRI 80)
Maximum Delivered Intensity	Up to 31,473 cd (Extra Narrow Spot optic 5°, 4000K, CRI 80)
Color Consistency	2 SDCM, 3 SDCM (XN optic only)
Color Rendering	**80:** CRI 80+, **90:** CRI 90+, **95:** CRI 95+
Lumen Maintenance	L95 55,000 hrs (Ta 25 °C) L70 225,000 hrs (Ta 25 °C)

Environmental

Ingress Protection Rating	IP20, IP54 (with CL accessory and WET option specified)
Environment	Damp location rating (interior applications only) Wet location rating (with WET option only)
Operating Temperature (Ceiling Cavity Ambient Temperature)	-4 °F to 104 °F (DA1, DA2, DA3, PDA1, PDA2, SDALI1, SDALI2, DALI1, DALI2, DALIT8, LT, DMX/RDM, PH and PPH control options), 14 °F to 104 °F (NO control option), 32 °F to 104 °F (NO3, ESP control options and EBB and EBI options)

How to Order

Housing (1)	EZ Ship	Certification	Type	Voltage	Cutout	Output (Nominal Lumens)	Color and Color Temperature	Color Rendering	Optics (Nominal Distribution)	Control (23)
LCRN Lumencore Recessed Nano - 2.75 in	**EZ** EZ Ship (2)	**A** UL/cUL **ESR** UL/cUL & ENERGY STAR® (3)	**FD** Downlight	**120** 120 volts **277** 277 volts **347** 347 volts (4) (5) (6) (7)	**R** Round **S** Square	**L07** 700 lm (8) **L10** 1000 lm **L13** 1300 lm **L20** 2000 lm **L30** 3000 lm (8) (9) (10)	**22K** 2200K (7) (11) (12) **27K** 2700K (12) **30K** 3000K (12) **35K** 3500K (12) **40K** 4000K (12) **DTW** Dim to Warm (2700K to 2200K) (7) (13) (14) (15) **DTWP** Dim to Warm Plus (3500K to 1800K) (7) (13) (14) (15) **DWH** Dynamic White (2700K to 6500K) (7) (14) (16) (17) **DWW** Dynamic Warm White (2200K to 3000K) (7) (14) (16) (17) **DWWP** Dynamic Warm White Plus (2200K to 3500K) (7) (14) (16) (17)	**80** CRI 80+ **90** CRI 90+ **95** CRI 95+ (7)	**XN** Extra Narrow Spot Distribution 5° (7) (18) **VN** Very Narrow Spot Distribution 10° (7) (19) **NS** Narrow Spot Distribution 15° (20) **N** Narrow Distribution 25° (20) **NFR** 25° Faceted Reflector (21) **M** 40° Reflector (22) **MFR** 40° Faceted Reflector (22) **W** 60° Reflector (22) **WFR** 60° Faceted Reflector (22) **VW** 80° Reflector (22) **VWFR** 80° Faceted Reflector (22)	**NO** On/Off Control (7) (24) (25) **NO3** On/Off control 347V (4) (5) (7) (26) **DAMC** Standard 0-10V dimming to 1% linear curve (6) (7) (25) (27) (28) **DA1** Standard 0-10V dimming 1% linear (25) (29) **DA2** Standard 0-10V dimming 1% logarithmic (25) (29) **DA3** Standard 0-10V dimming 1% linear (347V) (4) (5) (7) (26) **PDA1** Pro 0-10V Dimming 0.1% Linear (25) (29) **PDA2** Pro 0-10V Dimming 0.1% Logarithmic (25) (29) **PH** Phase Dimming (30) (31) **PPH** Phase 1% dimming (5) (6) (7) (31) (32) **PHB** Pro Phase Dimming ERP PHB Series (28) (33) (34) **ESP** Lutron® Hi-lume Premier 0.1% EcoSystem® PEQ0 Soft-on/Fade-to-Black (7) (25) (35) (36) **SDALI1** Standard DALI dimming 1% linear (7) (25) **SDALI2** Standard DALI dimming 1% logarithmic (7) (25) **DALI1** Pro DALI dimming 0.1% linear (7) (25) **DALI2** Pro DALI dimming 0.1% logarithmic (7) (25) **DALIT8** DALI-2 dimming Type 8 (multi channel capability) (5) (7) (25) (37) (38) **DMX/RDM** DMX/RDM (Configurable to 1, 2, or 3 channel control via RDM in the field) (7) (25) (39) (40) **LT** Lumentalk dimming (7) (25) (41) (42)

Notes:

1. Refer to website product configurator for all exceptions.
2. Refer to website for EZ Ship configurations.
3. Refer to website for ENERGY STAR certified product configurations.
4. Not available for 700 lumens. Not available for 1000 lumens when combined with 80 color rendering option.
5. Not available for XN and VN optics.
6. Not available for DTW, DTWP, DWH, DWW or DWWP color options.
7. Not available for ENERGY STAR certification.
8. For ENERGY STAR certification, not available with RM or NC installation types when combined with 90 color rendering option.
9. Available for M, MFR, W, WFR, VW and VWFR optics only.
10. Not available with PC, IC, IC/AT or RMR installation types.
11. Available for CRI 80 only.
12. Compatible with all control options except for DALIT8.
13. Available for 1000 and 1300 lumens when combined with 90 color rendering option and MFR, W, WFR, VW or VWFR optics only.
14. MFR, WFR and VWFR faceted reflector optics are recommended for optimal performance.
15. Compatible with DA1, SDALI1, SDALI2, DMX/RDM and LT control options only.
16. Available for 1300 lumens when combined with 80 color rendering option and MFR, W, WFR, VW or VWFR optics only.
17. Compatible with LT, DMX/RDM and DALIT8 control options only.
18. Available for 700 lumens when combined with 80 or 90 color rendering options and 27K, 30K, 35K or 40K color temperature options only.
19. Available up to 1300 lumens when combined with 80 or 90 color rendering options and 27K, 30K, 35K or 40K color temperature options only.
20. Available up to 1300 lumens when combined with 80, 90 or 95 color rendering options only.
21. Available up to 2000 lumens when combined with 80 color rendering option and up to 1300 lumens when combined with 80, 90 or 95 color rendering options only.
22. Available up to 3000 lumens when combined with 80 color rendering option and up to 2000 lumens when combined with 80, 90 or 95 color rendering options only.
23. Control options vary according to color temperature, color rendering, optics and installation type combination. Refer to website product configurator for details.
24. Manufacturer's choice driver. Order code may change to NO1.
25. Not available with 347V.
26. Not available for 3000 lumens.
27. Manufacturer's choice driver. Order code may change to DAMC1 or DAMC2.
28. Not available for XN and VN optics.
29. Driver cuts off power to the fixture when the control signal drops below 0.5V.
30. Manufacturer's choice driver. Order code may change to PH1 or PH2.
31. Available for 120V voltage option only.
32. Manufacturer's choice driver. Order code is subject to change.
33. Not available for 700 lumens.
34. Not available for M, MFR, W, WFR, VW and VWFR optics when combined with 1000 lumens.
35. One EcoSystem® address per fixture. Lutron® EcoSystem® Enabled dimming not available for 1300 lumens combined with VN optic. Available for static white color temperatures only.
36. Not available for 3000 lumens.
37. Available for DWH, DWW and DWWP color options only. DALI-2 Type 8 controller required.

38. Not available for PC, IC or IC/AT installation types.

39. Configurable between 8 or 16-bit dimming control via RDM. DMX/RDM requires LumenID, LumenID software and onsite commissioning.

40. A Control Box (CBX-DS or CBX-ST) and lumenID (LID) must be specified.

41. A Lumentranslator 2 (LTL2) and LumentalkID (LIDLT) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.

42. 1% minimum dimming value.

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JC- R18

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How to Order

Decorative Bezel	Decorative Bezel Finish	Trim (50)	Trim Finish	Installation Type	Ceiling Thickness (57)	Option	Accessories (65)
SB Standard	**MWH** Matte White	**RD** Round (51)	**MWH** Matte White	**RM** Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (53)	**1** 0.04 in to 1 in Ceiling Thickness	**WET** IP54 Rating Suitable for Wet Locations (58) (59) (60) (61)	**NA** No Accessory
MB Mid/Semi Recess	**MBK** Matte Black (43)	**SR** Square Trim with Round Hole (51)	**MBK** Matte Black	**NC** New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (53)	**2** 1.05 in to 2 in Ceiling Thickness	**EBB** Emergency Battery Backup with Hanger Bar (Bodine BSL17C-C2) (6) (7) (25) (62) (63) (64)	**HL** Honeycomb Louver (7) (66)
DB Deep Recess	**NKS** Nickel Satin (44)	**TLR** Trimless Round (51)	**NKS** Nickel Satin	**PC** Plenum Non-Insulated Ceiling (Enclosed Box) (36) (54) (55)		**EBI** Emergency Battery Backup with Hanger Bar (Iota ILB-CP07-A TBTS) (6) (7) (25) (62) (63) (64)	**XLVR** Concentric Ring Louver (7) (67) (68)
DR Deep Rollover	**DCH** Dark Chrome (43)	**SQ** Square (52)	**CC** Custom Color Trim (48)	**IC** New Construction Insulated Ceiling (Enclosed Box) (36) (54) (55)			**CL** Clear Glass Lens (61)
	BCH Bright Chrome (44)	**TLS** Trimless Square (52)	**SP** Special Point Source Color (49)	**IC/AT** New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box) (36) (54) (55)			**SL** Softening Glass Lens (7)
	SWT Satin Wheat (45)			**RMR** Remote Recessed Insulated Ceiling/Plenum (enclosed box) (36) (54) (55) (56)			**PD** Prismatic Diffuser (69)
	CPG Champagne Gold (46) (47)						**LSN** Linear Spread Lens Narrow (1° x 40°) (7) (70) (71)
	CC Custom Color Trim (45) (48)						**LSW** Linear Spread Lens Wide (1° x 60°) (7) (71) (72)
	SP Special Point Source Color (45) (49)						**BW1** Beam Widening Lens (+10°) (7) (71)
							BW2 Beam Widening Lens (+20°) (7) (71)
							BW3 Beam Widening Lens (+30°) (7) (71)

Notes:

6. Not available for DTW, DTWP, DWH, DWW or DWWP color options.

7. Not available for ENERGY STAR certification.

25. Not available with 347V.

36. Not available for 3000 lumens.

43. For ENERGY STAR certification, not available with MB, DB and DR decorative bezels when combined with RM or NC installation types or PC, IC and IC/AT installation types when combined with 90 color rendering option.

44. For ENERGY STAR certification, not available with MB, DB and DR decorative bezels when combined with RM or NC installation types.

45. For ENERGY STAR certification, not available with MB, DB and DR decorative bezels.

46. Coming soon, consult factory for details.

47. Available with DB and DR Bezels only.

48. Longer lead times can be expected for custom RAL color finishes.

49. Refer to Cylinder specification sheet and brochure for color options.

50. Not applicable to DR bezel option.

51. Cannot be combined with square ceiling cutout.

52. Cannot be combined with round ceiling cutout.

53. Available for 700 lumens when combined with XN optic and up to 1300 lumens when combined with VN, NS and N optics. Available up to 2000 lumens when combined with NFR optic and up to 3000 lumens when combined with M, MFR, W, WFR, VW and VWFR optics. Refer to optic option notes for color rendering limitations.

54. Available for 700 lumens when combined with XN optic and up to 1300 lumens when combined with VN, NS, N and NFR optics. Available up to 2000 lumens when combined 80 color rendering option and M, MFR, W, WFR, VW and VWFR optics. Refer to optic option notes for color rendering limitations.

55. Not available for DWH, DWW or DWWP color options.

56. Remote distance is a maximum of 75 ft. For longer remote distances, please contact Lumenpulse Application Engineering Team for application validation.

57. Ceiling springs are field changeable, consult factory and installation instructions for details.

58. IP54 rating only if installation is interior covered recessed ceiling-mounted or exterior canopy-mounted.

59. DR bezel is recommended for outdoor canopy installations.

60. A CL, SL or PD must be specified to maintain an IP54 rating. A second accessory may be specified.

61. For ENERGY STAR certification, not available with RM or NC installation types when combined with 90 color rendering option combined and 2000 lumens.

62. Available for RM and NC installation types only.

63. Emergency battery backup options are field installed and not presided by Lumenpulse. Refer to related installation instructions for details.

64. Emergency battery backup options require ceiling access for test button use. The battery will operate for 90 minutes minimum and maintain a minimum of 1 fc from a 7 ft 2 in height as per UL 924. For indoor use only in dry or damp locations.

65. Maximum two accessories per fixture.

66. Not available for DTW and DTWP color options.

67. Available for XN, VN and NS optics only.

68. Can be combined with PD accessory only.

69. Recommended to be combined with HL or XLVR accessory only.

70. Recommended for XN, VN, NS, N and NFR optics when combined with 2200K, 2700K, 3000K, 3500K, 4000K color temperature options. Nominal 10° x 40° distribution when used with the NS optic. Recommended for MFR optic when combined with DTW, DTWP, DWH, DWW or DWWP color options only.

71. For optimal performance, it is not recommended to mix with other accessories.

72. Recommended for XN, VN, NS, N and NFR optics when combined with 2200K, 2700K, 3000K, 3500K, 4000K color temperature options only. Nominal 10° x 60° distribution when used with the NS optic. Recommended for MFR optic when combined with DTW, DTWP, DWH, DWW or DWWP color options only.

MODEL: **SUPER NOVA**
MATERIAL: **Solid Brass**
FINISH SHOWN: **PVD Satin**
ELECTRICAL: **8-15V**
WATTAGE: **3W**
ENGINE: **FB-3W-CYL-TA16**
LUMENS: **200**
MOUNTING: **1/2" NPT. Dual Fin Spike Included**

FINISHES
☐ Matte Bronze (MBR)
☐ Verde (V)
☐ Moss (M)
☐ Black (B)
☐ Rusty (R)
☐ Satin Brass (SB)
☐ Aged Brass (AG)
☐ Raw Copper (RC)
☐ Natural Copper (NC)
PVD PREMIUM
☐ PVD Polished (PVDP)
☐ PVD Satin (PVDS)
☐ PVD Graphite (PVDG)
☐ PVD Bronze (PVDBZ)
☐ PVD Black (PVDBL))

WATTAGE	LUMENS
☐ 3W	200

Custom lumen packages are available upon request

COLOR TEMPERATURE

☐ 2200K	☐ 5000K
☐ 2700K	☐ 6500K
☐ 3000K	☐ RGBW
☐ 4000K	☐ WARM DIMMING

Custom options are available

ELECTRICAL
☐ 8-15V

OPTICS	
☐ SPOT	19d
☐ FLOOD	38d
☐ WIDE FLOOD	54d
☐ WIDE ANGLE FLOOD	120d

Tempered Glass

Adjustable Shroud

2 ¼"

2 ⅛"

8/32" Phillip Screw

4"

2 ¼"

1/2" NPT Male

Thumb/slotted solid brass set screw

c(UL)us
LISTED

Wet Listed
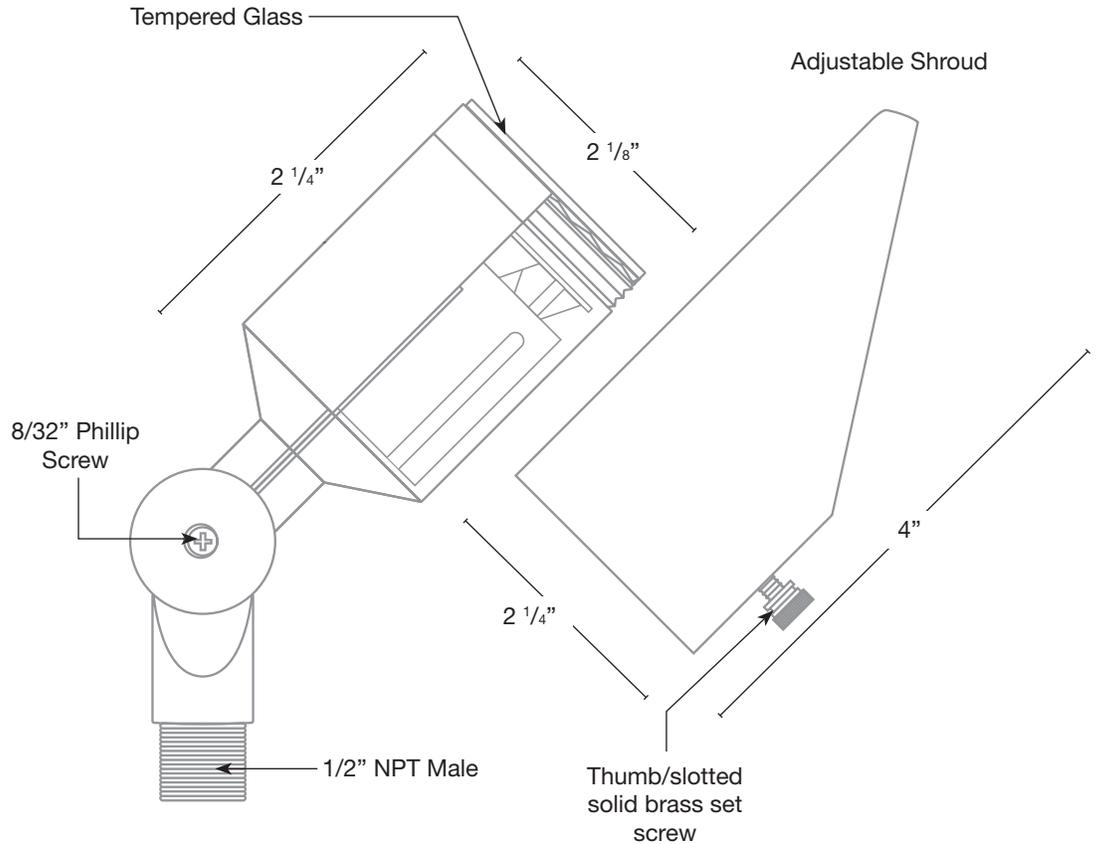
MADE IN USA CERTIFIED

Ordering Example	Customer Approval	Date
SUPER NOVA-PVDS-3W-27K-8-15V		

Project Name Mill Village Apartments - 354 So Main St, Stowe

Qty

Type WM   **Catalog / Part Number**

W1H2 Wall Mount Option Shown

Side views

5 7/16"   3"   6"

N02, N03, N05, N07
and N10 outputs

6 7/16"   3"   6"
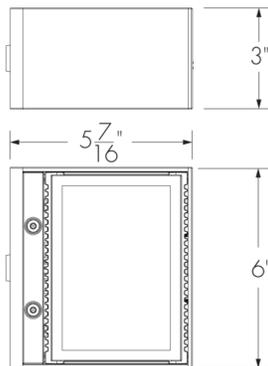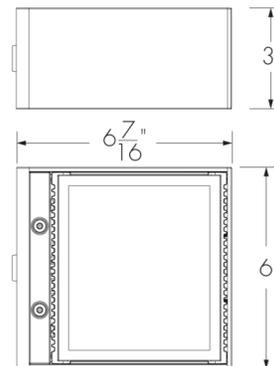
XS03, XS10, XS15, XS20
and XS25 outputs

Bottom views

Distributions
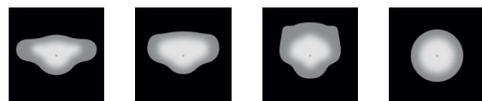
Type II   Type III   Type IV   Type V
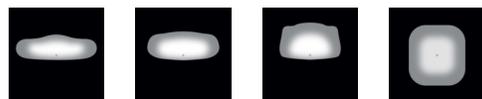
Type II Backlight Shield   Type III Backlight Shield   Type IV Backlight Shield   Type V Square

Color and Color Temperature
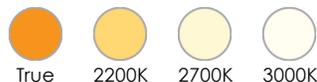
True Amber 585nm-595nm (Turtle-Friendly)   2200K   2700K   3000K

Control

ON/OFF   0-10V

Ratings

IP66 (optical chamber) IK06 (lens) IK10*(frame)

*IK10 polycarbonate lens option available, consult factory.

Description

The Lumenpulse Lumenblade Nano is an outdoor LED luminaire that uses a rectilinear version of the Lumencentro light engine to create a continuous line of light. Side Mount or Wall Mount options are available. Its seen-but-not-seen, minimalist design is sustainable, blends with both contemporary and heritage architectures, provides a high level of security, and is sensitive to the natural environment with DarkSky approval, low outputs, and with a BUG rating of 0.

Features

Mounting	Side Mounting, Wall Mounting
Color and Color Temperature	True Amber 585nm-595nm (Turtle-Friendly), 2200K, 2700K, 3000K
Distributions	Type II, Type III or Type IV (with or without backlight shield), Type V, Type V square
Optical Option (factory installed)	Louver
Vibration Rating	Meets ANSI C136.31-2018 vibration rating for Bridge & Overpass applications
Option	Vibration Rated for Bridge and Overpass Corrosion-resistant Coating for Hostile Environments
Warranty	5-year limited warranty

Performance

Output (Nominal Lumens)	Minimum 200lm/ Maximum 2500lm
Efficacy	Up to 127 lm/W (XS10 lumen output, 3000K, CRI 80 , Type VS)
Color Rendering	3 SDCM for CRI 70+, 2 SDCM for CRI 80+ and CRI 90+
Lumen Maintenance	TM-21 L70 > 145,000 hrs (reported, Ta 25 - 50 °C [77 - 122 °F])
DarkSky	DarkSky Approved (2200K, 2700K, 3000K and Amber color temperatures, BUG rating of U0)

DarkSky Certification

DARKSKY APPROVED
Reduces light pollution
Certified by DarkSky.org

Certifications

cULus   5 YEARS lumenpulse   VRBO

Physical

Housing Material	Extruded aluminium 6000 alloy series
Lens Material	Optical tempered clear glass (Clearsite lens), Optical tempered frosted glass (Frostsite lens), Optical tempered half-frosted glass (Half-Frostsite lens)
Surface Finish	Super durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5-years Florida exposure). A corrosion resistant finish (CRC) pre-finish is available to meet ASTM B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance).
Weight	1.87 lbs to 4.84 lbs, refer to EPA and fixture weight tables for details

Electrical and Control

Voltage	120 volts, 208 volts, 240 volts, 277 volts
Control	On/Off Control, 0-10V Dimming

Environmental

Storage Temperature	-40°C to 50°C [-40°F to 122°F] (device must reach start-up temperature value before operating)
Operating Temperature	-40°C to 50°C [-40°F to 122°F]
Start-up Temperature	-25°C to 50°C [-13°F to 122°F]
Ingress Protection Rating	IP66 (optical chamber) Wet location rated
Impact Resistance Rating	IK06 (glass lens) IK10 (frame) *IK10 polycarbonate lens option available, consult factory
Environment	Dry/damp/wet location

EPA And Fixture Weight Tables

*Fixture weights are estimated.

N02, N03, N05, N07 And N10 Output (Board With 4 LEDs)

		SD-RPA6N SD-RPA6TN	SD-SPA6N	SD-SPA6TN	SD-RPA8N SD-RPA8TN	SD-SPA8N SD-SPA8TN
EPA (sq ft.)	S1E	0.171	0.170	0.170	0.171	0.170
	S2E	0.342	0.340	0.340	0.342	0.340
Weight* (lbs)	S1E	2.22	1.87	1.90	2.06	1.87
	S2E	4.44	3.74	3.80	4.12	3.74

	WM-W1H2	WM-W1H4	WM-W1HSJB
EPA (sq ft.)	0.170	0.170	0.293
Weight* (lbs)	1.87	2.20	3.86

XS03, XS10, XS15, XS20 And XS25 Output (Board With 8 LEDs)

		SD-RPA6N SD-RPA6TN	SD-SPA6N	SD-SPA6TN	SD-RPA8N SD-RPA8TN	SD-SPA8N SD-SPA8TN
EPA (sq ft.)	S1E	0.197	0.201	0.201	0.197	0.201
	S2E	0.394	0.402	0.402	0.394	0.402
Weight* (lbs)	S1E	2.42	2.07	2.10	2.26	2.07
	S2E	4.84	4.14	4.20	4.52	4.14

	WM-W1H2	WM-W1H4	WM-W1HSJB
EPA (sq ft.)	0.201	0.201	0.324
Weight* (lbs)	2.07	2.40	4.06

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Photometric Information

Type II, 3000K, CRI 80+, Clearsite Lens

Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	B	U	G	Typical maximum power 120/277V (W)
N03	204	68	0	0	0	3
N05	408	68	0	0	0	6
N07	641	71	0	0	0	9
N10	835	76	0	0	0	11
XS10	962	96	0	0	0	10
XS15	1,366	80	1	0	1	17
XS20	1,721	69	1	0	1	25
XS25	2,176	73	1	0	1	30

Type III, 3000K, CRI 80+, Clearsite Lens

Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	B	U	G	Typical maximum power 120/277V (W)
N03	223	74	0	0	0	3
N05	446	74	0	0	0	6
N07	701	78	0	0	0	9
N10	913	83	0	0	0	11
XS10	1,014	101	0	0	0	10
XS15	1,440	85	1	0	1	17
XS20	1,814	73	1	0	1	25
XS25	2,294	76	1	0	1	30

Type IV, 3000K, CRI 80+, Clearsite Lens

Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	B	U	G	Typical maximum power 120/277V (W)
N03	187	62	0	0	0	3
N05	374	62	0	0	0	6
N07	588	65	0	0	0	9
N10	767	70	0	0	0	11
XS10	867	87	0	0	0	10
XS15	1,232	72	1	0	1	17
XS20	1,552	62	1	0	1	25
XS25	1,963	65	1	0	1	30

Type V Square, 3000K, CRI 80+, Frostsite Lens
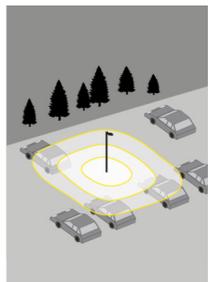
Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	B	U	G	Typical maximum power 120/277V (W)
N03	226	75	0	0	0	3
N05	451	75	0	0	0	6
N07	709	79	0	0	0	9
N10	923	84	0	0	0	11
XS10	1,094	109	0	0	0	10
XS15	1,554	91	1	0	1	17
XS20	1,957	78	1	0	1	25
XS25	2,476	83	1	0	1	30

Photometric performance is measured in compliance with IESNA LM-79-19. Due to rapid and continous advances in LED technology, photometric information is subject to change without notice.

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Dimensions

N02, N03, N05, N07 And N10 Output (Board With 4 LEDs)

W1H2, SPA6N, SPA8N and SPA8TN
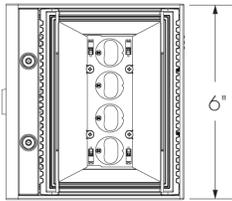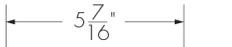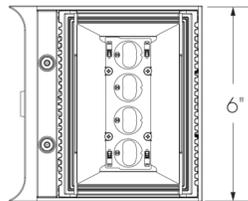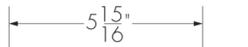
3"
Side view

$5\frac{7}{16}$"

6"
Bottom view

SPA6TN

3"
Side view

$5\frac{15}{16}$"

6"
Bottom view

RPA6N And RPA6TN

3"
Side view

$7\frac{9}{16}$"

6"
Bottom view

RPA8N And RPA8TN

3"
Side view

$6\frac{9}{16}$"

6"
Bottom view

W1H4

$4\frac{1}{2}$"
3"
Side view

$5\frac{7}{16}$"

6"
Bottom view

W1HSJB

6"
3"
Side view

$7\frac{3}{8}$"

6"
Bottom view

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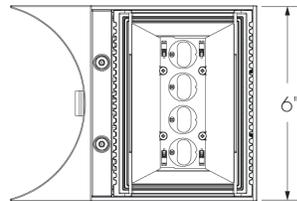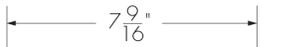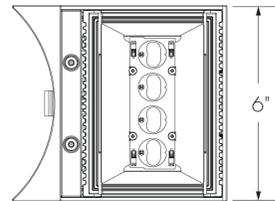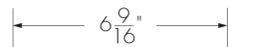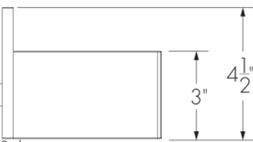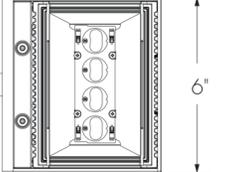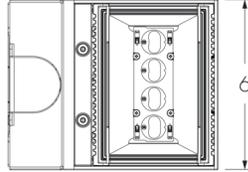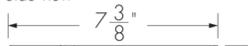
XS03, XS10, XS15, XS20 And XS25 Output (Board With 8 LEDs)

W1H2, SPA6N, SPA8N and SPA8TN
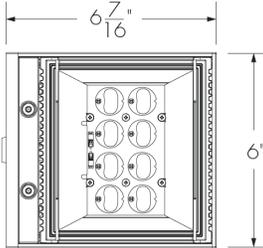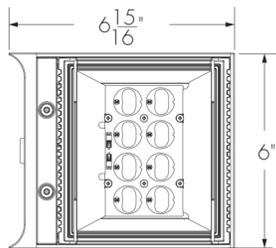
3"

Side view

$6\frac{7}{16}$"

6"

Bottom view

SPA6TN

3"

Side view

$6\frac{15}{16}$"

6"

Bottom view

RPA6N And RPA6TN

3"

Side view

$8\frac{9}{16}$"

6"

Bottom view

RPA8N And RPA8TN

3"

Side view

$7\frac{9}{16}$"

6"

Bottom view

W1H4

$4\frac{1}{2}$"

3"

Side view

$6\frac{7}{16}$"

6"

Bottom view

W1HSJB

6"

3"

Side view

$8\frac{3}{8}$"

6"
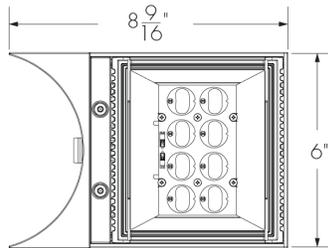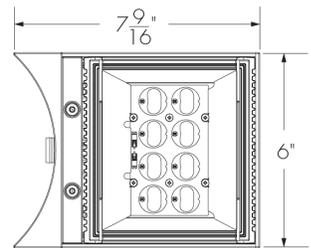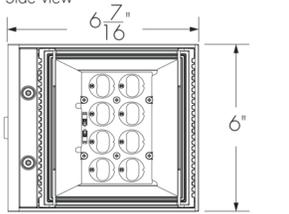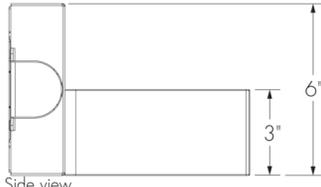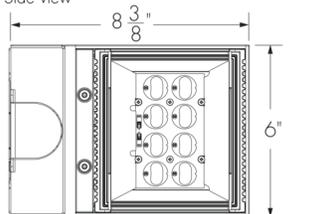
Bottom view

Mounting Details

BLDN-WM-W1H2 Mounting Plate Details
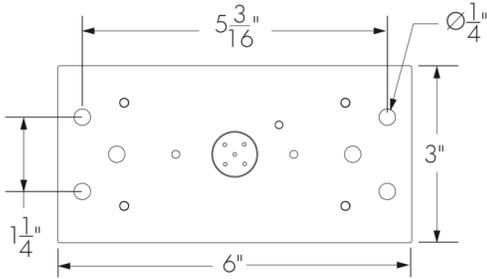

BLDN-WM-W1H4 Mounting Plate Details
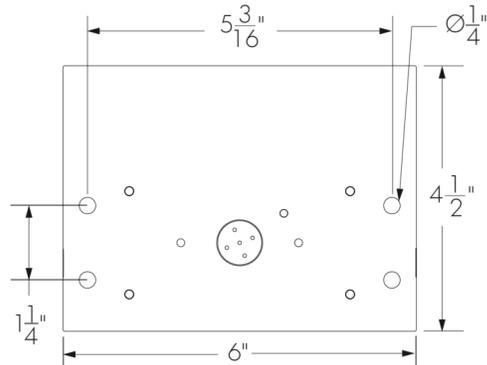
BLDN-WM-W1HSJB Mounting Plate Details
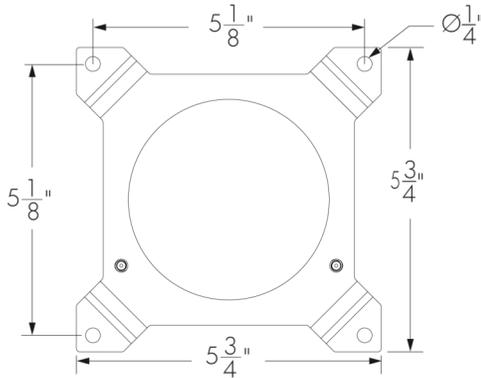

The WM-W1HSJB mounting is designed for installation on a round exterior (weatherproof) surface junction box (Ø4 in diameter and 1 5/8 in deep) that accommodates up to 3/4" NPT trade size conduit. For all other types of junction boxes, consult the factory.

BLDN-SD Pole Mounting Option

	Straight and muffler poles		Lumentech pole	
	6in	8in	6in	8in
Round shape	RPA6N	RPA8N	RPA6TN	RPA8TN
Square shape	SPA6N	SPA8N	SPA6TN	SPA8TN
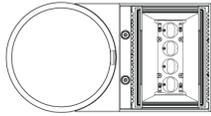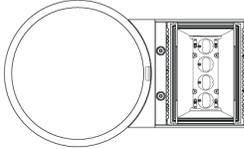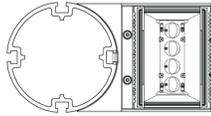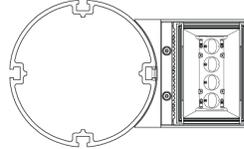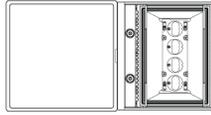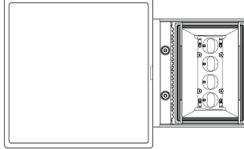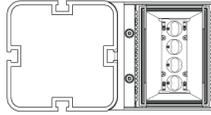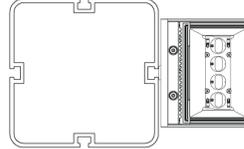
BLDN-SD with 4 LEDs shown.
Available configurations:

S1E   Single pole-top
S2E   Double pole-top
S1X   Variable Height Mounting Arm

*Consult factory for other configurations.

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BLDN-SD Poles Drilling Patterns

SPA6N, SPA6TN, SPA8N and SPA8TN

$3\frac{15}{16}"$

$1\frac{15}{16}"$

A
$\varnothing\frac{7}{8}"$

$\varnothing$**B**

Minimum
$1\frac{1}{16}"$

$\frac{5}{8}"$
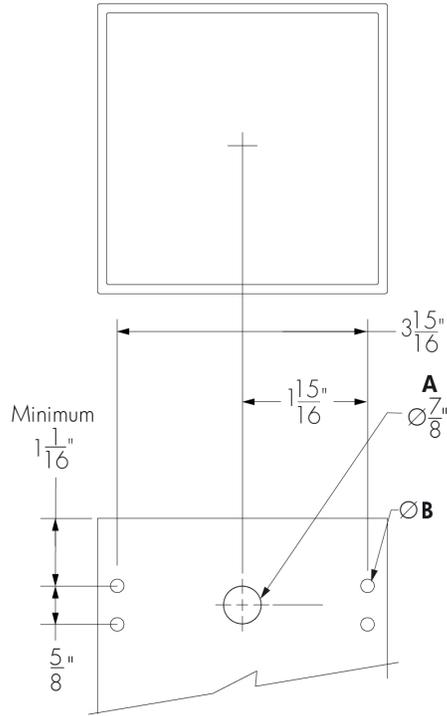
6 in or 8 in Square pole mount.

RPA6N And RPA6TN

77°

A
$\varnothing\frac{7}{8}"$

$\varnothing$**B**

Minimum
$\frac{7}{8}$

$1\frac{1}{4}$
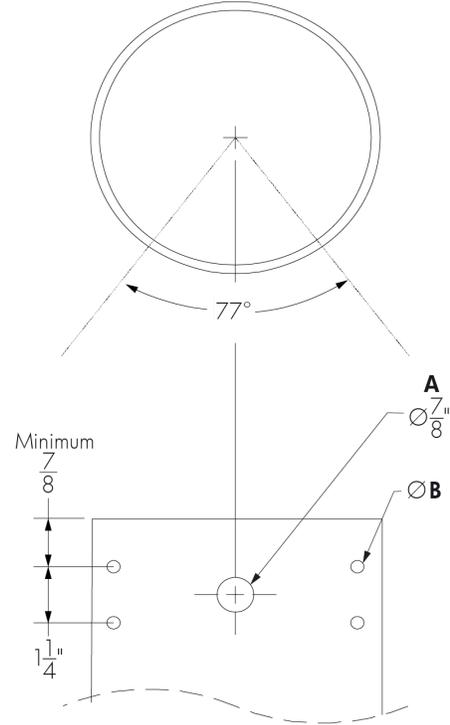
6 in Ø round pole mounting.

RPA8N And RPA8TN

63°

A
$\varnothing\frac{7}{8}"$

$\varnothing$**B**

Minimum
$\frac{7}{8}$

$1\frac{1}{4}$
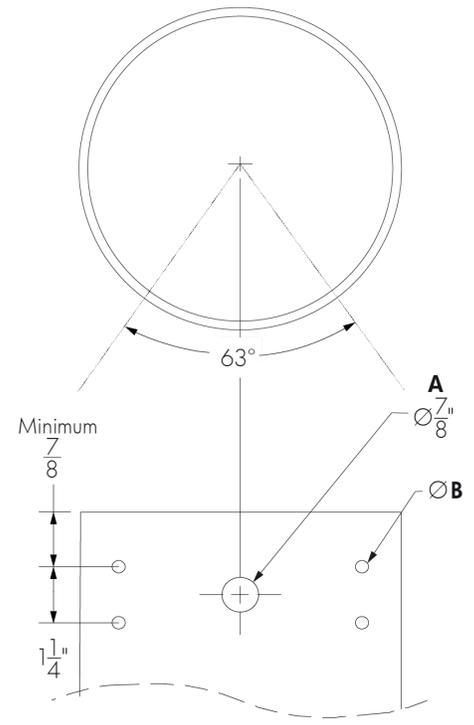
8 in Ø round pole mounting.

A - Wire feeding location
B - **S1E and S2E pole configuration**
    9/32 in drilling holes. Nylon nuts (x4) and screws (4x) 1/4-20 x 1.25 in provided by lumenpulse.

    S1X pole configuration
    1/4-20 threaded holes. Screws (4x) 1/4-20 x 1.25 in provided by lumenpulse.

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Typical Wiring Diagrams

Wiring Color Code

Color	Black	White	Green	Purple	Gray
Use	Line	Line/Neutral	Ground	0 -10V+	0 -10V -
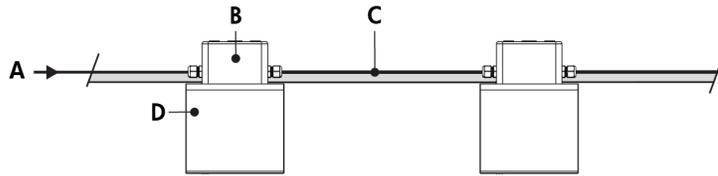
On/Off Control (NO)

A - Power input (120-277V)
B - Junction box (by others)
**C -** Power wiring (by others)
D - Lumenblade Nano Wall Mount

On/Off Control (NO) - Wiring Detail
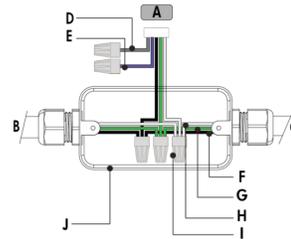
A - To fixture
B - Power input or from previous fixture
C - To next fixture
D - Not required
E - Not required
F - Line
G - Ground
H - Neutral
I - Wire-nuts
**J** - Junction box (by others)

• Consult factory for specific applications and maximum fixture count/cable length recommendations.
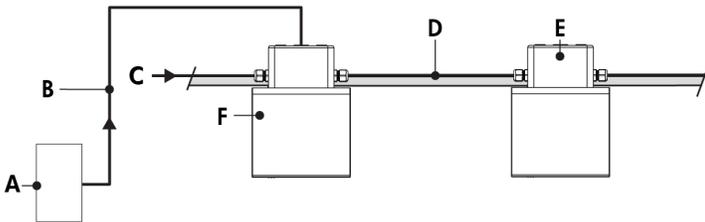
0-10V Dimming (DIM)

A - Dimmer (by others)
B - Data wiring (by others)
C - Power input (120-277V, wiring by others)
D - Conduit (by others)
E - Junction box (by others)
F - Lumenblade Nano Wall mount

0-10V Dimming (DIM) - Wiring Detail
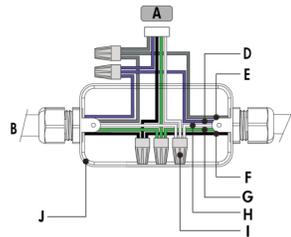
A - To fixture
B - Power input or from previous fixture
C - To next fixture
D - 0-10V +
E - 0-10V -
F - Line
G - Ground
H - Neutral
I - Wire-nuts
J - Junction box (by others)

• Consult factory for specific applications and maximum fixture count/cable length recommendations.
• 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
• 1% minimum dimming value.

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How to Order

Housing	Mounting	Voltage	Lens [5]	Output (Nominal Lumens) [9]	Color and Color Temperature	Color Rendering	Distributions	Optical Option	Finish	Control	Option
BLDN Lumenblade Nano	**SD** Side Mounting [1] **WM** Wall Mounting [2] [3] [4]	**120** 120 volts **208** 208 volts **240** 240 volts **277** 277 volts	**CSL** Clearsite Lens [6] **FSL** Frostsite Lens [7] **HFSL** Half-Frosted Site Lens [4] [8]	**N02** 200lm (4 LEDs) [6] [10] [11] **N03** 300lm (4 LEDs) **N05** 500lm (4 LEDs) **N07** 700lm (4 LEDs) **N10** 1000lm (4 LEDs) **XS03** 300lm (8 LEDs) [6] [10] [11] **XS10** 1000lm (8 LEDs) **XS15** 1500lm (8 LEDs) **XS20** 2000lm (8 LEDs) **XS25** 2500lm (8 LEDs)	**AMB** True Amber 585nm-595nm (Turtle-Friendly) **22K** 2200K **27K** 2700K **30K** 3000K	**CRI 70** CRI 70+ [12] **CRI 80** CRI 80+ [13] **CRI 90** CRI 90+ [14]	**2** Type II **2BLS** Type II Backlight Shield **3** Type III **3BLS** Type III Backlight Shield **4** Type IV **4BLS** Type IV Backlight Shield **5** Type V **5S** Type V Square	**LV** Louver [6] [15] [16]	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **BKTX** Textured Black **BRZTX** Textured Bronze Non-Metallic **GRATX** Textured Medium Gray **GRNTX** Textured Green **WHTX** Textured White **CC** Custom Color & Finish [17] [18] [19]	**DIM** 0-10V Dimming [20]	**VRBO** Vibration Rated for Bridge and Overpass [21] [22] [23] **CRC** Corrosion-resistant coating [24] [25]

Notes:

1. Available with all pole mounting options.
2. Available with W1H2, WIH4 and W1HSJB adaptors only.
3. When combined with CSL lens, only AMB color temperature is available.
4. Available with Type 2, 3 and 4 distributions only.
5. Standard IK06 rating for glass lens. IK10 rated polycarbonate lens available, please consult factory.
6. Not available with type 5 distribution.
7. Available with type 3 and 5 distributions only.
8. Available for N03, N05, N07 and N10 outputs only.
9. Lumen output will vary according to the lens and distribution specified for the fixture. Please consult the photometric information section of the specification sheet for more details.
10. Available with AMB color temperature only.
11. Not available for FSL and HFSL lens.
12. Binning within a 3-step McAdam ellipse
13. Binning within a 2-step McAdam ellipse, with the exception of 2200K.
14. Binning within a 2-step MacAdam ellipse.

15. Available with CSL and HFSL lenses only.
16. Factory installed.
17. Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). Textured or Sandtex finishes are recommended for the durability of all products. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
18. Longer lead times can be expected for custom RAL color finishes.
19. Setup charges apply for RAL colors. Consult factory for details.
20. DIM control can be used as NO (On/Off control) if no data is required.
21. Vibration tested in accordance with ANSI 136.31 2018 for bridge and overpass applications at 5Gv.
22. Specify only if a bridge or overpass application is required.
23. Not available for W1HSJB mounting adaptor.
24. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
25. Setup charges apply. Consult factory for details.

How to Order

Mounting Adaptor
RPA6N Round Pole Adaptor for Ø6 in Pole
SPA6N Square Pole Adaptor for Ø6 in Pole
RPA8N Round Pole Adaptor for Ø8 in Pole
SPA8N Square Pole Adaptor for Ø8 in Pole
RPA6TN Round Pole Adaptor for Lumentech Ø6 in Pole
SPA6TN Square Pole Adaptor for Lumentech Ø6 in Pole
RPA8TN Round Pole Adaptor for Lumentech Ø8 in Pole
SPA8TN Square Pole Adaptor for Lumentech Ø8 in Pole
W1H2 Horizontal Wall Mount Adaptor for 2 in x 4 in Recessed Junction Box
W1H4 Horizontal Wall Mounting Adaptor for 4 in x 4 in Recessed Junction Box
W1HSJB Horizontal Wall Mounting Adaptor for Ø4 in Round Exterior Surface Junction Box (26) (27)

Notes:

26. The WM-W1HSJB mounting is designed for installation on a round exterior (weatherproof) surface junction box (Ø4 in diameter and 1 5/8 in deep). For all other types of junction box, consult the factory.

27. Not available with VRBO option.

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