

Project Application

Land Use Department

P.O. Box 660; 333 Calef Hwy, Barrington, NH 03825 ♦ Phone: 603-664-5798 ♦ Fax: 603-664-0188

238-8-V-23-SR

Case Number: _____ Project Name: 565 Franklin Pierce Hwy Date 1/18/2023

Staff Signature required PRIOR to submittal

PRELIMINARY APPLICATION: Preliminary Conceptual Review ___ Design Review ___ Development of Regional Impact ___

FORMAL APPLICATION:

Subdivision Type: Major Minor ___ Conventional ___ Conservation ___
Site Plan Review: Major Minor ___
Conditional Use Permit ___ Sign Permit ___ Boundary Line Adjustment ___ Special Permit ___
Change of Use ___ Extension for Site Plan or Subdivision Completion ___
Amendment to Subdivision/Site Plan Approval ___ Other ___

Project Name: Commercial/retail Site Plan Area (Acres or S.F) 1.99 ac
Project Address: 565 Franklin Pierce Highway
Current Zoning District(s): Village District Map(s) 238 Lot(s) 8
Request: Site Plan approval for commercial/retail in existing building

The property owner shall designate an agent for the project. This person (the applicant) shall attend pre-application conferences and public hearings, will receive the agenda, recommendations, and case reports, and will communicate all case information to other parties as required.
All contacts for this project will be made through the Applicant listed below.


Owner: George Tsoukalas
Company _____
Phone: 603-692-8902 Fax: _____ E-mail: nicholas.tsoukalas@gmail.com
Address: PO Box 684, Barrington, NH

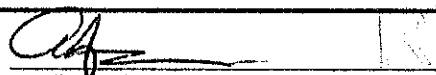
Applicant (Contact): same
Company _____
Phone: _____ Fax: _____ E-mail: _____
Address: _____

Developer: owner
Company _____
Phone: _____ Fax: _____ E-mail: _____
Address: _____

Architect: _____
Company _____
Phone: _____ Fax: _____ E-mail: _____
Address: _____

Engineer: Christian Smith
Company Beals Associates
Phone: 603-583-4860 Fax: 603-583-4863 E-mail: csmith@bealsassociates.com
Address: 70 Portsmouth Ave, Stratham, NH 03885


Owner Signature
Staff Signature


Applicant Signature
Date 1-16-23

JAN 18 2023

Applicant George Tsoukalas Map/Lot# 238-8 Case# 238-8-Y-23-SR

**Site Review Application Checklist
Barrington Planning Board**

This checklist is intended to assist applicants in preparing a complete application for site review as required by the Barrington Site Review Regulations and must be submitted along with all site review applications. An applicant seeking site review approval shall be responsible for all requirements specified in the Barrington Site Review Regulations even if said requirements are omitted from this checklist.

An applicant seeking site review approval shall be responsible for providing all the information listed in the column below entitled "Site Review" and should place an "x" in each box to indicate that this information has been provided

SITE REVIEW APPLICATION CHECKLIST	Site Review		Waiver(s)
	Provided	NA	
Check the Appropriate Boxes below:			
Section I. General Requirements			
1. Completed Application Form (2.5.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Complete abutters list (2.6.3 (5) or 2.5.1 (6))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Payment of all required fees (2.6.3 (4) or 2.5.1 (5))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Three (3) full size sets of plans and twelve (12) sets of plans 11" by 17", submitted with all required information in accordance with the site review regulations and this checklist (2.6.3 (6) or 2.5.1 (7))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Copies of any proposed easement deeds, protective covenants or other legal documents (3.9.1)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Any waiver request(s) submitted with justification in writing (3.9.8)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Completed Application Checklist (2.5.1 (3))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Section II. General Plan Information			
1. Size and presentation of sheet(s) per registry requirements and the site review regulations (3.1.2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Title block information: (3.2.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
a. Drawing title (3.2.1 (1))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Name of site plan (3.2.1 (2))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Location of site plan (3.2.1 (3))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
d. Tax map & lot numbers of subject parcel(s) (3.2.1 (4))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
e. Name & address of owner(s) (3.2.1 (5))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
f. Date of plan (3.2.1 (6))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
g. Scale of plan (3.2.1 (7))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
h. Sheet number (3.2.1 (8))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
i. Name, address, & telephone number of design firm (3.2.1 (9))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
j. Name and address of Applicant (3.2.1 (10))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Revision block with provision for amendment dates (3.2.3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Planning Board approval block provided on each sheet to be recorded (3.2.2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Certification block (for engineer or surveyor) (3.1.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Match lines (if any)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Zoning designation of subject parcel(s) including overlay districts (3.2.10 (4))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

JAN 18 2023

SITE REVIEW APPLICATION CHECKLIST	Site Review		Waiver(s)
	Provided	NA	
Check the Appropriate Boxes below:			
8. Minimum lot area, frontage & setbacks dimensions required for district(s) 3.2.10(5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. List Federal Emergency Management Agency (FEMA) sheet(s) used to identify 100-year flood elevation, locate the elevation (3.2.10 (12))		<input checked="" type="checkbox"/>	
10. Note the following: "If, during construction, it becomes apparent that deficiencies exist in the approved design drawings, the Contractor shall be required to correct the deficiencies to meet the requirements of the regulations at no expense to the Town." (3.2.10 (16))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Note the following: "Required erosion control measures shall be installed prior to any disturbance of the site's surface area and shall be maintained through the completion of all construction activities. If, during construction, it becomes apparent that additional erosion control measures are required to stop any erosion on the construction site due to actual site conditions, the Owner shall be required to install the necessary erosion protection at no expense to the Town." (3.2.10(17))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Note identifying which plans are to be recorded and which are on file at the town.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Note the following: "All materials and methods of construction shall conform to Town of Barrington Site Review Regulations and the latest edition of the New Hampshire Department of Transportation's Standard Specifications for Road & Bridge Construction." (3.2.10 (18))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14. North arrow (3.2.5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15. Floodplains-Location and elevation(s) of one-hundred (100)-year flood zone per FEMA Flood Insurance Study or as determined by drainage study (3.3 (18))	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
16. Plan and deed references (3.2.6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17. The following notes shall be provided:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
a. Purpose of plan (3.2.10 (1))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Existing and proposed use (3.2.10 (6))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Water Supply source (name of provider (company) if offsite) (3.2.10 (10))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
d. Zoning variances/special exceptions with conditions (3.2.10 (11))	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. List of required permits and permit approval numbers (3.2.10 (13))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
f. Vicinity sketch showing 1,000 feet surrounding the site (3.2.8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
g. Plan index indicating all sheets (3.2.9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
18. Boundaries-existing lot boundary defined by metes and bounds (3.3 (1))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19. Boundary monuments (3.3 (4))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
a. Monuments found (4.2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Map number and lot number, name addresses, and zoning of all abutting land owners (3.3 (5))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Monuments to be set (3.3 (4) & 4.2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
20. Existing streets: (3.3 (6))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
a. Name labeled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Status noted or labeled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Right-of-way dimensioned	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
d. Pavement width dimensioned	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
21. Municipal boundaries (If any) (3.3 (7))	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
22. Existing easements (identified by type) (3.3 (8))	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. Drainage easement(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Slope easement(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Utility easement(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Temporary easement(s) (Such as temporary turnaround)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

JAN 18 2023

SITE REVIEW APPLICATION CHECKLIST	Site Review		Waiver(s)
	Provided	NA	
Check the Appropriate Boxes below:			
e. No-cut zone(s) along streams & wetlands (as may be requested by the Conservation Commission)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Vehicular & pedestrian access easements(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
g. Visibility easement(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
h. Fire pond/cistern(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
i. Roadway widening easement(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
j. Walking trail easement(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a) Other easement(s) Note type(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
23. Designation of each proposed lot (by Map & Lot numbers as provided by the assessor)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
24. Area of each lot being developed (in acres & square feet): (3.3 (9))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
a. Existing lot(s) (3.3 (9))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Contiguous upland(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
25. Wetland delineation (including Prime Wetlands): (3.3 (13))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
a. Limits of wetlands (3.3 (13))	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Wetland delineation criteria (3.3 (13))	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Wetland Scientist certification (3.3 (13))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
26. Owner's signature(s) (3.3 (14))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
27. All required setbacks (3.3 (15))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
28. Physical features	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
a. Buildings (3.3 (21))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Wells (3.3 (16))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Septic systems (3.3 (16))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
d. Stone walls (3.3 (16))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
e. Paved drives (3.3 (16))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
f. Gravel drives (3.3 (16))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
29. Location & name (if any) of any streams or water bodies (3.3 (17))	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
30. Location of existing overhead utility lines, poles, towers, etc. (3.3 (19))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
31. Two-foot contour interval topography shown over all subject parcel (3.3 (3))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
32. Map & Lot #s, name, addresses, & zoning of all abutting land owners (3.3 (5))	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
33.	<input type="checkbox"/>	<input type="checkbox"/>	

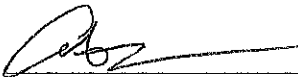
JAN 18 2023

APPLICATION AGREEMENT

I hereby apply for Site Plan Review and acknowledge I will comply with all of the Ordinances of the Town of Barrington, New Hampshire State Laws, as well as any stipulations of the Planning Board, in development and construction of this project. I understand that if any of the Site Plan Review or Application specifications are incomplete, the Application will be considered rejected.

In consideration for approval and the privileges accruing thereto, the subdivider thereby agrees:


- E. To carry out the improvements agreed upon and as shown and intended by said plat, including any work made necessary by unforeseen conditions which become apparent during construction of the site plan review.
- E. To post all streets "Private" until accepted by the Town and to provide and install street signs as approved by the Selectmen of the Town for all street intersections.
- E. To give the Town on demand, proper deeds for land or rights-of-way reserved on the plat for streets, drainage, or other purposes as agreed upon.
- E. To save the Town harmless from any obligation it may incur or repairs it may make, because of my failure to carry out any of the foregoing provisions.
- E. Mr/Mrs George Tsoukalas of Barrington The owners, by the communications to the subdivider may be addressed with any proceedings arising out of the agreement herein.

Signature of Owner:  _____

Signature of Developer: _____

Technical Review Signatures: _____

Town Engineer/Planner Approval Signature: _____ The owners, by the filing of this application as indicated above, hereby give permission for any member of the Barrington Planning Board, the Town Engineer, The Conservation Commission and such agents or employees of the Town or other person as the Planning Board may authorize, to enter upon the property which is the subject of this application at all reasonable times for the purpose of such examinations, surveys, test and inspections as may be appropriate.


JAN 18 2023

(Refusal to sign this permission form does not invalidate an application, but the Planning Board may not be able to make an informed decision regarding unseen lands with potential areas of concerns).

Signature of Owner: 

Note: The developer/individual in charge must have control over all project work and be available to the Road Agent and Code Enforcement Officer during the construction phase of the project. The Road Agent and Code Enforcement Officer must be notified within two (2) working days of any change by the individual in charge of the project.

JAN 18 2023

**ABUTTERS LIST
FOR
NH- 1445 GEORGE N. TSOULAKAS- BARRINGTON, NH
DATE JANUARY 17, 2023**

SUBJECT PARCEL

TAX MAP/LOT

238-008

OWNER OF RECORD

TSOUKALAS GEORGE
PO BOX 684
BARRINGTON, NH 03825

ABUTTERS

TAX MAP/LOT

238-007

OWNER OF RECORD

TSOUKALAS GEORGE
PO BOX 684
BARRINGTON, NH 03825

238-009

TSOUKALAS GEORGE
TSOUKALAS GEORGE REV. TRUST
PO BOX 684
BARRINGTON, NH 03825

238-0016-0021

BVP HOMEOWNERS ASSOCIATIO
c/o CORREY PIPER
26 VILLAGE PLACE DR
BARRINGTON, NH 03825

238-0037

HALEY LAWRENCE G
2908 FRENCH PL
AUSTIN, TX 78722

238-0038

574 FRANKLIN PIERCE HWY
L 9 COLONIAL WAY STE E
BARRINGTON, NH 03825

238-0039

IRVING OIL PROPERTIES NH
ATTN: CORP REAL ESTATE
PO BOX 868
CALAIS, ME 04619

JAN 18 2023

**ABUTTERS LIST
FOR
NH- 1445 GEORGE N. TSOULAKAS- BARRINGTON, NH
DATE JANUARY 17, 2023**

PROFESSIONALS

ENGINEERING FIRM

BEALS ASSOCIATES, PLLC.
70 PORTSMOUTH AVE. 3RD FLOOR
STRATHAM, NH 03885

SOIL SCIENTIST

GOVE ENVIRONMENTAL
8 CONTINENTAL DR. BLDG. 2 UNIT H
EXETER, NH 03833

SURVEYOR

DOUCET SURVEY
102 KENT PLACE
NEWMARKET, NH 03857

JAN 18 2023



GOVE ENVIRONMENTAL SERVICES, INC.

September 8, 2022

Christian O. Smith, P.E.
Beals Associates, PLLC.
70 Portsmouth, Ave. 3rd Floor
Stratham, NH 03885

Subject: Wetland Delineation
565 Franklin Pierce Highway
Barrington, NH

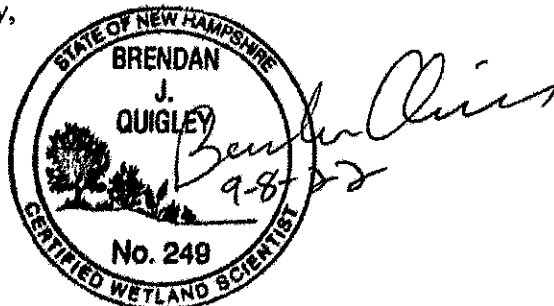
Dear Mr. Smith:

This letter documents the wetland investigation performed at 565 Franklin Pierce Highway (Map238 Lot 8) in Barrington, NH. The investigation was performed on September 1, 2022, utilizing the following standards to identify wetlands:

1. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, (Version 2.0) January 2012, U.S. Army Corps of Engineers.*
2. *Field Indicators of Hydric Soils in the United States, A Guide for Identifying and Delineating Hydric Soils, Version 8.2. United States Department of Agriculture (2018).*
3. *New England Hydric Soils Technical Committee. 2020 Version 4, Field Indicators for*
4. *Identifying Hydric Soils in New England. New England Interstate Water Pollution Control Commission, Lowell, MA.*
5. *U.S. Army Corps of Engineers National Wetland Plant List, version 3.5. (2020)*

The small 2.1-acre lot was found to be largely cleared with evidence that the former house on the property had been recently demolished. Despite this disturbance, the absence of wetland indicators remained clear and no wetlands were identified on the property. If you have any questions about this report or if I can be of further assistance, please feel free to contact me at (603) 778-0644.

Sincerely,



JAN 18 2023

Brendan Quigley, NHCWS
Gove Environmental Services, Inc.

8 Continental Dr Unit H, Exeter, NH 03833-7507
Ph (603) 778 0644 / Fax (603) 778 0654
www.gesinc.biz
info@gesinc.biz

AREA, SITE & ROADWAY

FORM AND FUNCTION

- Sleek, low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- Low depreciation rate
- Reduces energy consumption and costs up to 65%
- Exceeds IES foot candle levels utilizing the least number of poles and fixtures per project
- Optical system designed for:
 - Parking Lots
 - Auto Dealerships
 - General Area Lighting

CONSTRUCTION

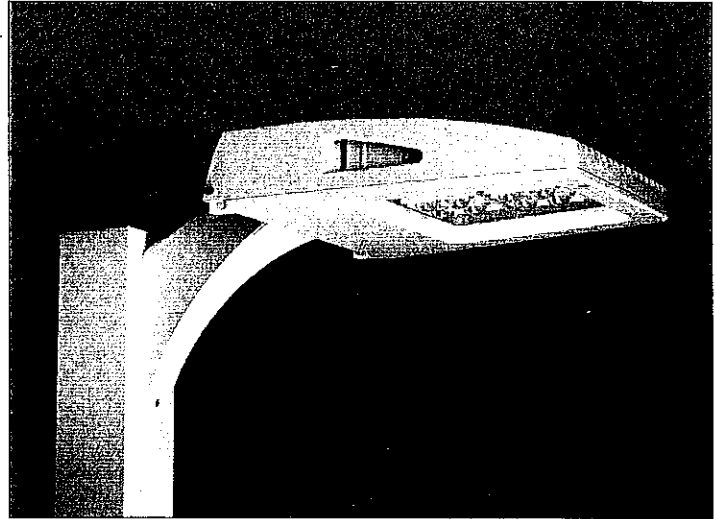
- Die Cast Aluminum
- External cooling fins
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- One-piece Optics Plate™ mounting silicone Micro Optics
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB
- Grade 2 Clear Anodized Optics Plate™ standard

FINISH

- 3-5 mils electrostatic powder coat.
- NLS' standard high-quality finishes prevent corrosion, protects against extreme environmental conditions

WARRANTY

Five-year limited warranty for drivers and LEDs.



LED WATTAGE CHART

	16L	32L	48L	64L
350 millamps	19w	-	-	-
530 millamps	29w	-	-	-
700 millamps	36w	71w	104w	136w
1050 millamps	56w	106w	156w	206w

Project Name:

Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
NV-1 (NV-1)	Type 2 (T2)	16 (16L)	350 (35)	2700K, 70 CRI (27K7)Ⓢ	120-277 (UNV)	Architectural Sweep Arm (ASA)	Bronze Textured (BRZ)	Bird Spikes (BS) Marine Grade Finish (MGF) Optic Plate Painted to Match Fixture (OPP) Nema 7-Pin Receptacle (PE7) Photocell + Receptacle (PCR) Receptacle + Shorting Cap (PER) FSP-211 with Motion Sensor (FSP-20)Ⓢ 9'-20' Heights (FSP-40)Ⓢ 21'-40' Heights Quick Mount Bracket (QMB) Retrofit Mount Bracket (RQMB) Round Pole Adaptor 3"- 4" Pole (RPA4) Round Pole Adaptor 5"- 6" Pole (RPA5) Rotated Optic Left (ROL) Rotated Optic Right (ROR) Automotive House Side Shield (AHS) House Side Shield (HSS)Ⓢ Black Hardware (BH) Black Optic Frame (BOF)
	Type 3 (T3)	32 (32L)	530 (53)	2700K, 80 CRI (27K8)ⓈⓈ	347-480 (HV)	Direct Pole 3" Arm Single, D180 (DPS3)Ⓢ	White Textured (WHT)	
	Type 4 (T4)	48 (48L)	700 (7)	3000K, 70 CRI (30K7)Ⓢ		Direct Pole 7" Arm D180, D90, T90, T120, Quad (DPS7)Ⓢ	Smooth White Gloss (SWT)	
	Type 5 (T5)	64 (64L)	1050 (1)	3000K, 80 CRI (30K8)ⓈⓈ		Knuckle Mount (KM)	Silver (SVR)	
	Nema 2 24" Narrow Beam (N2)			3500K, 80 CRI (35K8)		Wall Mount (WM)	Black Textured (BLK)	
	Nema 3 30" Narrow Beam (N3)			4000K, 70 CRI (40K7)		Trunnion Mount (TM)Ⓢ	Smooth Black Gloss (SBK)	
				4000K, 80 CRI (40K8)Ⓢ		Tennis Arm (TA)	Graphite Textured (GPH)	
				5000K, 70 CRI (50K7)		Mast Arm (MA)	Grey Textured (GRY)	
				5000K, 80 CRI (50K8)Ⓢ			Custom (CS)	

Notes:

- Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- For Round Pole Specify RPA4 or RPA5
- Standard finish is stainless steel. Can be painted to match fixture
- Universal Voltage 120-277
- HSS not applicable with Nema 2 and Nema 3 Optics
- 3000K or lower must be selected to meet International Dark-Sky Association certification.

JAN 18 2023

PRODUCT SPECIFICATIONS

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP65 compartment
- CRI 70, 80 or 90
- Color temperatures: 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KVA supplied as standard.

CONSTRUCTION

- Die Cast Aluminum
- External cooling fins
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP65 seal for electronics compartment
- One-piece Optics Plate™ mounting silicone Micro Optics
- Two-piece silicone Micro Optic system ensures IP67 level seal around each PCB
- Grade 2 Clear Anodized Optics Plate™ standard

OPTIONS

- **BIRD SPIKES (BS)** - Offers a practical and humane deterrent for larger bird species and provides a cost-effective long-term solution to nuisance bird infestations and protects your property.
- **MARINE GRADE FINISH (MGF)** - A multi-step process creating protective finishing coat against harsh environments. Chemically washed in a 5 stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- **OPTIC PLATE PAINTED TO MATCH FIXTURE (OPP)** - Optic plate is clear anodized as standard. The optic plate can be powder coated to match the finish of the fixture.
- **QUICK MOUNT BRACKET (QMB)** - Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures. Has a 2"x4" Drill Pattern.
- **RETROFIT MOUNT BRACKET** - Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures. Drill Pattern is adjustable from 2"x4" to 2"x6".
- **ROUND POLE ADAPTER (RPA)** - When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.
- **ROTATED OPTICS (ROL) (ROR)** - Rotated optics are designed for perimeter lighting for auto dealerships.
- **SHIELDS (HSS, AHS)** - House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.
- **BLACK HARDWARE (BH)** - Optional black, zinc coated steel hardware.
- **BLACK OPTIC FRAME (BOF)** - Optional black optic frame. Standard is white.

CONTROL OPTIONS

- **FSP-211 (FSP-X)** - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-20 mounting heights 9-20 feet
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.
- **FSIR-100** commissioning remote is required to change sensor settings. Please contact factory for ordering.
- **Controls Agnostics:** Please contact factory for your preferred controls option.
- **NEMA 7-PIN RECEPTACLE (PE7)**—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.

- **PHOTOCELL + RECEPTACLE (PCR)**—7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.

- **RECEPTACLE + SHORTING CAP (PER)**—7-Pin Receptacle and Shorting Cap.

FINISH

- 3-5 mils electrostatic powder coat.
- NLS Light's standard high-quality finishes prevent corrosion protects against and extreme environmental conditions

WARRANTY

Five-year limited warranty for drivers and LEDs.

OPTICS

Silicone optics high thermal stability and light output provide higher powered LEDs with minimized lumen depreciation. UV stability with scratch resistance increases exterior application durability. Silicone optics do not yellow, crack or brittle over time

LISTINGS

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC)
- DesignLights Consortium Premium® (DLCP)
- IP65/ IP67 Rated
- 3G Vibration Rated per ANSI C136.31-2010
- IDA Dark Sky Approved
- IK10 Rated



The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.

NLS
LIGHTING

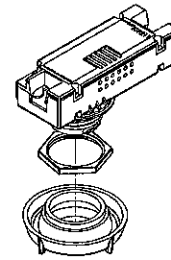
701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nslighting.com

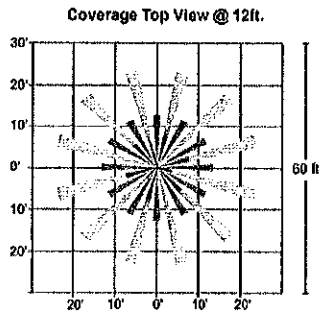
PRODUCT SPECIFICATIONS

CONTROLS

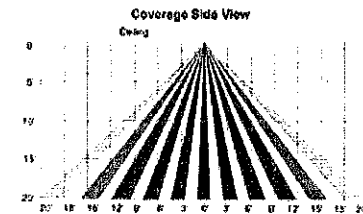
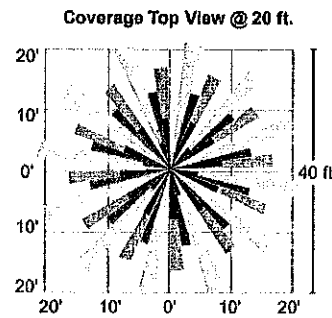
- **DIMMING CONTROL (FSP)**—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
 - All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
 - FSP-8 mounting heights 8 feet and below
 - FSP-20 mounting heights 9-20 feet
 - FSP-40 mounting heights 21-40 feet.
 - Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.



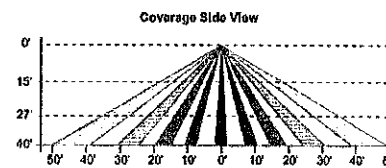
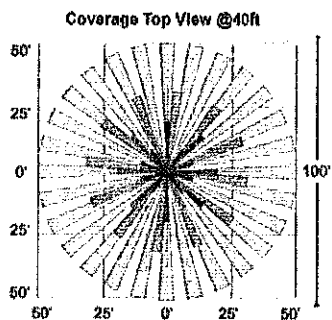
FSP-8



FSP-20



FSP-40

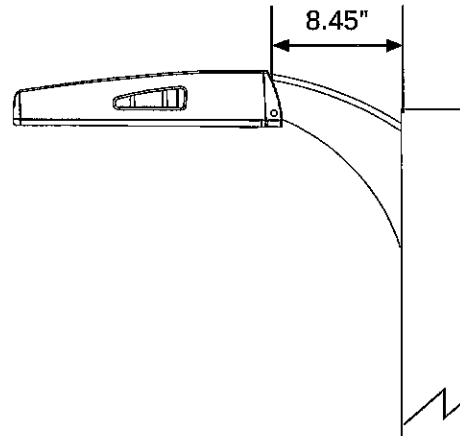


JAN 18 2023

MOUNTING OPTIONS

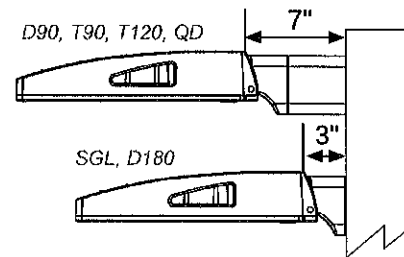
ARCHITECTURAL SWEEP ARM (ASA)

Cast Sweep Arm includes (as standard)
Internal Quick Mount Bracket.



DIRECT POLE (DP)

Standard mounting arm is extruded
aluminum in lengths of 3" and 7".
**Arm lengths may vary depending on configuration*

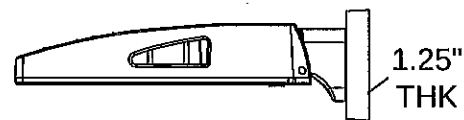


DPX ARM LENGTH

DPX ARM LENGTH	SGL	D90	D180	D180	T90	T120	QD
NV-1	3"	7"	3"	7"	7"	7"	7"

WALL MOUNT (WM)


Cast Aluminum Plate for direct wall
mount. 3" extruded aluminum arm
mounts directly to a cast wall mount box.




EPA

EPA	SGL	D90	D180	T90	T120	QD
NV-1-DP3	0.46		0.92			
NV-1-DP7		1.14	1.05	1.34	1.37	1.34
NV-1-1CM	0.54	N/A	1.08	N/A	N/A	N/A
NV-1-ASA	0.75	1.29	1.50	1.99	2.05	1.99


MOUNTING CONFIGURATION




Single
(SGL)




Double
(D-90)




Double
(D-180)



Triple
(T-90)



Triple
(T-120)



Quad
(QD)

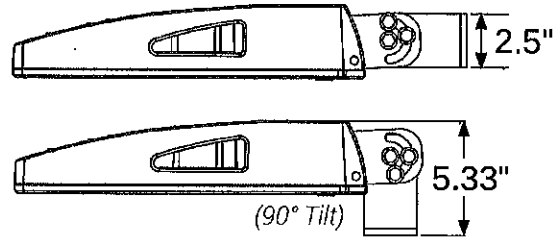
JAN 18 2023

MOUNTING OPTIONS

TRUNNION MOUNT (TM)

Steel, bolt-on-mounting for adjustable installation with a maximum uplift of 90 degrees.

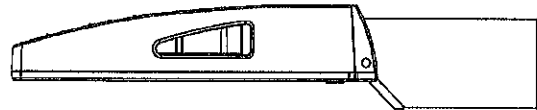
**Unpainted stainless steel is standard*



TENNIS ARM (TA)

Steel fitter slips over 3.5" x 1.5" rectangular arm.

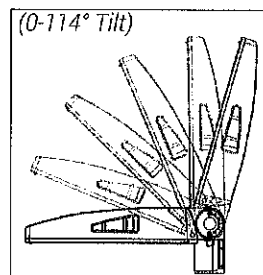
**See Tennis Arm Spec Sheet for details*



KNUCKLE MOUNT (KM)

Die Cast Knuckle great for adjustable installation on 2-3/8" OD vertical or horizontal tenon.

- Max Up-tilt of 90 degrees
- Adjustable in 6 degree increments
- 1.5G Vibration Rated per ANSI C136.31-2010



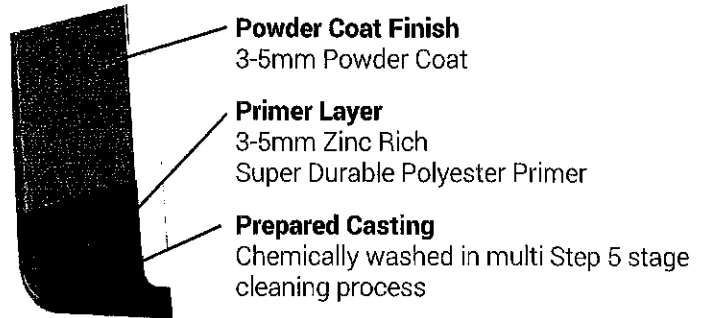
JAN 18 2023

BIRD SPIKES (BS)

Bird Spikes offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.

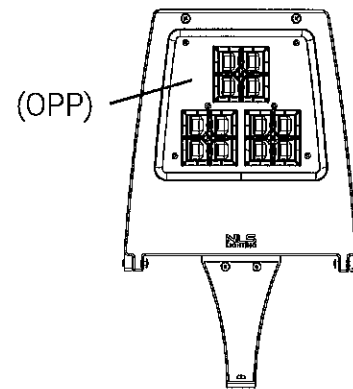
MARINE GRADE FINISH (MGF)

The **(MGF)** is a multi step process. Chemically washed in a 5 stage cleaning system. Pre-baked. Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.



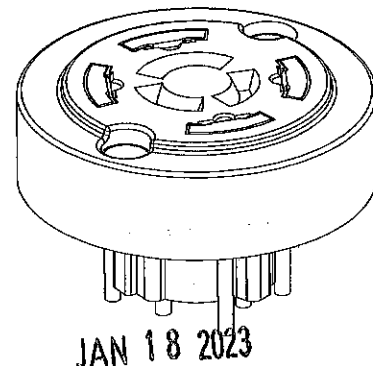
OPTIC PLATE PAINTED TO MATCH (OPP)

Optic plate is clear anodized as standard. The optic plate can be powder coated to match the finish of the fixture.



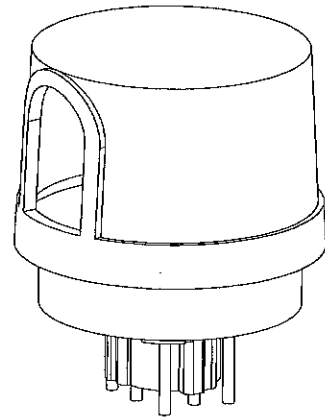
NEMA 7-PIN RECEPTACLE (PE7)

An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.



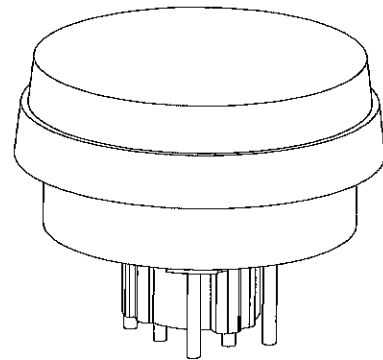
PHOTOCELL + RECEPTACLE (PCR)

7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.



RECEPTACLE + SHORTING CAP (PER)

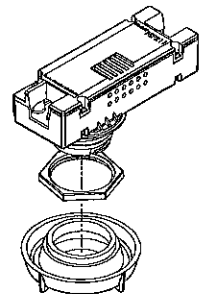
7-Pin Receptacle and Shorting Cap.



FSP-211 WITH MOTION SENSOR (FSP-XX)

- FSP-211 (FSP-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-20 mounting heights 9-20 feet
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.

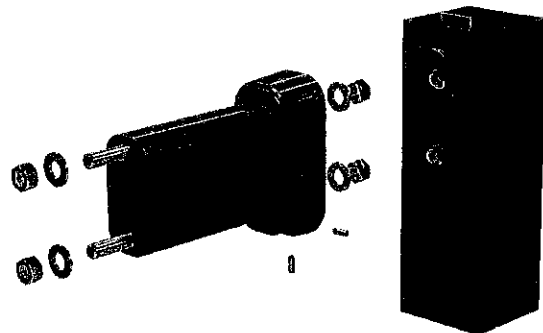
FSP-211



JAN 18 2023

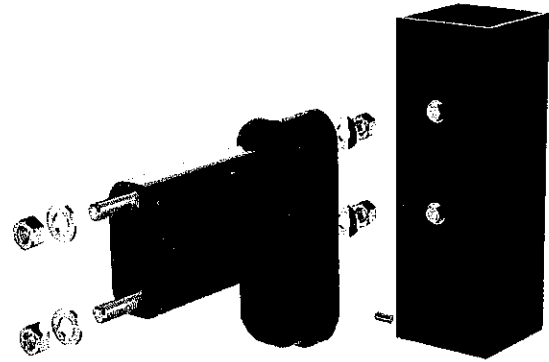
QUICK MOUNT BRACKET (QMB)

Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures. Has a 2"x4" Drill Pattern.



RETROFIT MOUNT BRACKET (RQMB)

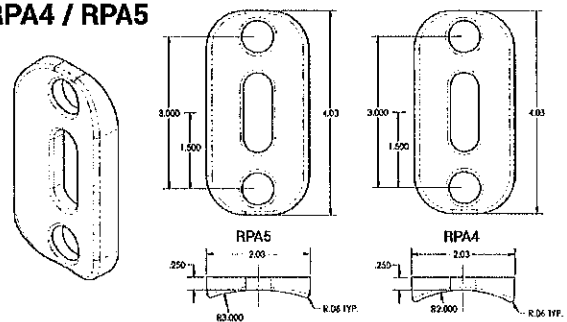
Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures. Drill Pattern is adjustable from 2"x4" to 2"x6".



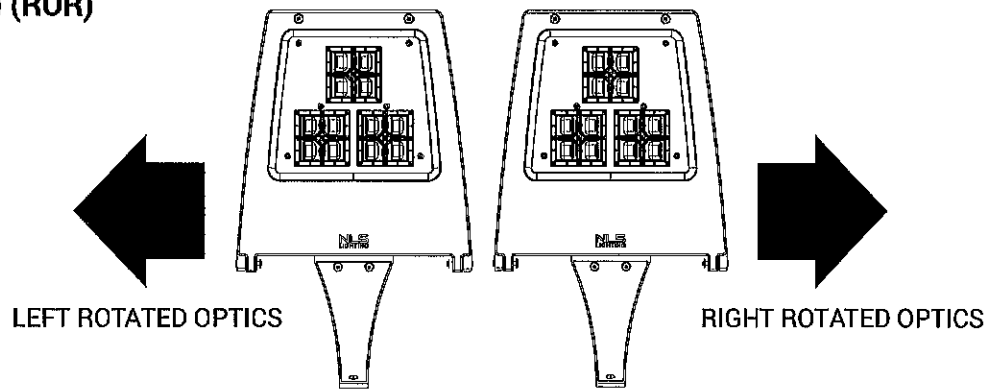
ROUND POLE ADAPTER OPTIONS (RPA4) (RPA5)

When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.

RPA4 / RPA5



ROTATED OPTICS (ROL) (ROR)

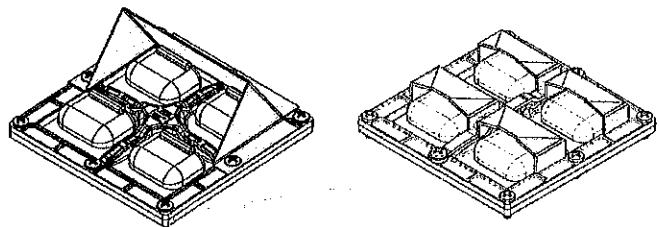


SHIELDING OPTIONS (AHS) (HSS)

SHIELDS (HSS, AHS)—House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.

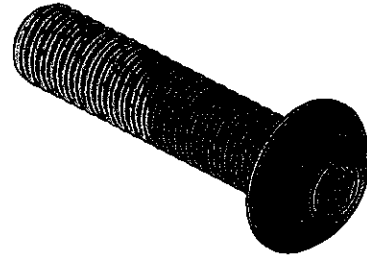
AUTOMOTIVE
HOUSE SIDE SHIELD

HOUSE SIDE SHIELD



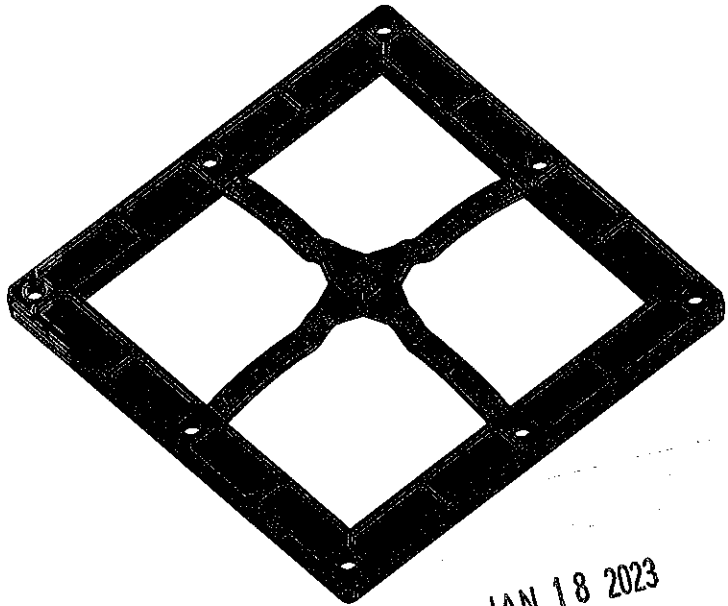
BLACK HARDWARE

Optional black, zinc coated steel hardware.



BLACK OPTIC FRAME

Optional Black Optic Frame.
Standard is white.



JAN 18 2023

LUMENS

PART NUMBER	N3	LM/W	T2	LM/W	DLC	T3	LM/W	DLC	T3 HSS	LM/W	T4	LM/W	DLC	T4 AHS	LM/W	T4 HSS	LM/W	T5	LM/W	DLC	W
NV-1-16L-35-30K7	2016	112	2106	117	P	2106	117	P	1134	63	2187	116	P	1296	72	1116	62	2231	118	P	18
NV-1-16L-35-40K7	2088	116	2258	126	P	2286	127	P	1206	67	2250	125	P	1368	76	1188	66	2304	128	P	18
NV-1-16L-35-50K7	2160	120	2376	132	P	2394	133	P	1278	71	2358	131	P	1440	80	1260	70	2412	134	P	18
NV-1-16L-53-30K7	3136	112	3192	114	P	3220	115	P	1764	63	3119	113	P	2016	72	1736	62	3248	116	P	28
NV-1-16L-53-40K7	3248	116	3472	124	P	3472	124	P	1876	67	3444	123	P	2128	76	1848	66	3500	125	P	28
NV-1-16L-53-50K7	3360	120	3612	129	P	3640	130	P	1988	71	3584	129	P	2240	80	1960	70	3668	131	P	28
NV-1-16L-7-30K7	4032	112	3960	110	P	3960	110	P	2268	63	3973	109	P	2592	72	2232	62	3996	111	P	36
NV-1-16L-7-40K7	4176	116	4428	123	P	4284	119	P	2412	67	4212	117	P	2736	76	2376	66	4320	120	P	36
NV-1-16L-7-50K7	4320	120	4644	129	P	4500	125	P	2556	71	4428	123	P	2880	80	2520	70	4500	125	P	36
NV-1-16L-1-30K7	6272	112	6160	110	S	6884	114	P	3528	63	6232	112	P	4032	72	3472	62	6440	115	P	56
NV-1-16L-1-40K7	6496	116	6832	122	P	6888	123	P	3752	67	6776	121	P	4256	76	3696	66	6944	124	P	56
NV-1-16L-1-50K7	6720	120	7168	128	P	7224	129	P	3976	71	7112	127	P	4480	80	3920	70	7280	130	P	56
NV-1-32L-7-30K7	7982	112	7810	110	S	7810	110	S	4473	63	7739	109	S	5112	72	4402	62	7881	111	S	71
NV-1-32L-7-40K7	8236	116	8017	127	P	8449	119	P	4757	67	8307	117	P	5396	76	4686	66	8520	120	P	71
NV-1-32L-7-50K7	8520	120	8159	129	P	8876	125	P	5041	71	8733	123	P	5680	80	4970	70	8946	126	P	71
NV-1-32L-1-30K7	11872	112	11660	110	S	12084	114	S	6678	63	11820	112	S	7632	72	6572	62	12190	115	S	106
NV-1-32L-1-40K7	12296	116	12932	122	P	13038	123	P	7102	67	12826	121	P	8056	76	6996	66	13144	124	P	106
NV-1-32L-1-50K7	12720	120	13568	128	P	13674	129	P	7526	71	13462	127	P	8480	80	7420	70	13780	130	P	106
NV-1-48L-7-30K7	11648	112	11440	110	S	11440	110	S	6552	63	11336	109	S	7488	72	6448	62	11544	111	S	104
NV-1-48L-7-40K7	12064	116	13208	127	P	12376	119	P	6968	67	12168	117	P	7904	76	6864	66	12480	120	P	104
NV-1-48L-7-50K7	12480	120	13520	130	P	13000	125	P	7384	71	12792	123	P	8320	80	7280	70	13104	126	P	104
NV-1-48L-1-30K7	17472	112	17160	110	S	17784	114	S	9828	63	17472	112	S	11232	72	9672	62	17940	115	S	156
NV-1-48L-1-40K7	18096	116	19032	122	P	19188	123	P	10452	67	18876	121	P	11856	76	10296	66	19344	124	P	156
NV-1-48L-1-50K7	18720	120	19968	128	P	20124	129	P	11076	71	19812	127	P	12480	80	10920	70	20280	130	P	156
NV-1-64L-7-30K7	16232	112	14960	110	S	14960	110	S	8568	63	14824	109	S	9792	72	8432	62	15096	111	S	136
NV-1-64L-7-40K7	15776	116	17272	127	P	16184	119	P	9112	67	15912	117	P	10336	76	8976	66	16320	120	P	136
NV-1-64L-7-50K7	16320	120	17680	130	P	17000	125	P	9656	71	16728	123	P	10880	80	9620	70	17136	126	P	136
NV-1-64L-1-30K7	22960	112	22560	110	S	23370	114	S	12915	63	22960	112	S	14760	72	12710	62	23576	115	S	205
NV-1-64L-1-40K7	23780	116	25010	122	P	25215	123	P	13735	67	24805	121	P	15580	76	13530	66	25420	124	P	205
NV-1-64L-1-50K7	24600	120	26240	128	P	26445	129	P	14555	71	26035	127	P	16400	80	14360	70	26650	130	P	205

3000k or warmer must be selected to meet International Dark-Sky Association certification.

BUG RATINGS

PART NUMBER	T2	T3	T3 HSS	T4	T4 HSS	T5
NV-1-16L-35-30K7	B1-U0-G1	B1-U0-G1	B0-U0-G0	B1-U0-G1	B0-U0-G0	B2-U0-G0
NV-1-16L-35-40K7	B1-U0-G1	B1-U0-G1	B0-U0-G0	B1-U0-G1	B0-U0-G0	B2-U0-G0
NV-1-16L-35-50K7	B1-U0-G1	B1-U0-G1	B0-U0-G0	B1-U0-G1	B0-U0-G0	B2-U0-G0
NV-1-16L-53-30K7	B1-U0-G1	B1-U0-G1	B0-U0-G1	B1-U0-G1	B0-U0-G1	B2-U0-G1
NV-1-16L-53-40K7	B1-U0-G1	B1-U0-G1	B0-U0-G1	B1-U0-G1	B0-U0-G1	B2-U0-G1
NV-1-16L-53-50K7	B1-U0-G1	B1-U0-G1	B0-U0-G1	B1-U0-G1	B0-U0-G1	B2-U0-G1
NV-1-16L-7-30K7	B1-U0-G1	B1-U0-G1	B0-U0-G1	B1-U0-G1	B0-U0-G1	B3-U0-G1
NV-1-16L-7-40K7	B1-U0-G1	B1-U0-G1	B0-U0-G1	B1-U0-G1	B0-U0-G1	B3-U0-G1
NV-1-16L-7-50K7	B1-U0-G1	B1-U0-G1	B0-U0-G1	B1-U0-G1	B0-U0-G1	B3-U0-G1
NV-1-16L-1-30K7	B1-U0-G1	B1-U0-G1	B0-U0-G1	B1-U0-G1	B0-U0-G1	B3-U0-G1
NV-1-16L-1-40K7	B1-U0-G1	B2-U0-G2	B0-U0-G1	B2-U0-G2	B0-U0-G1	B3-U0-G2
NV-1-16L-1-50K7	B1-U0-G2	B2-U0-G2	B0-U0-G1	B2-U0-G2	B0-U0-G1	B3-U0-G2
NV-1-32L-7-30K7	B1-U0-G2	B2-U0-G2	B0-U0-G1	B2-U0-G2	B0-U0-G1	B3-U0-G2
NV-1-32L-7-40K7	B1-U0-G2	B2-U0-G2	B0-U0-G1	B2-U0-G2	B0-U0-G1	B3-U0-G2
NV-1-32L-7-50K7	B2-U0-G2	B2-U0-G2	B0-U0-G2	B2-U0-G2	B0-U0-G2	B3-U0-G2
NV-1-32L-1-30K7	B2-U0-G2	B2-U0-G2	B0-U0-G2	B2-U0-G2	B0-U0-G2	B4-U0-G2
NV-1-32L-1-40K7	B2-U0-G2	B2-U0-G2	B0-U0-G2	B3-U0-G2	B0-U0-G2	B4-U0-G2
NV-1-32L-1-50K7	B2-U0-G2	B3-U0-G3	B0-U0-G2	B3-U0-G3	B0-U0-G2	B4-U0-G2
NV-1-48L-7-30K7	B2-U0-G2	B2-U0-G2	B0-U0-G2	B2-U0-G2	B0-U0-G2	B4-U0-G2
NV-1-48L-7-40K7	B2-U0-G2	B2-U0-G2	B0-U0-G2	B2-U0-G2	B0-U0-G2	B4-U0-G2
NV-1-48L-7-50K7	B2-U0-G2	B3-U0-G3	B0-U0-G2	B2-U0-G2	B0-U0-G2	B4-U0-G2
NV-1-48L-1-30K7	B3-U0-G3	B3-U0-G3	B1-U0-G2	B3-U0-G3	B1-U0-G2	B4-U0-G2
NV-1-48L-1-40K7	B3-U0-G3	B3-U0-G3	B1-U0-G2	B3-U0-G3	B1-U0-G2	B5-U0-G3
NV-1-48L-1-50K7	B3-U0-G3	B3-U0-G3	B1-U0-G2	B3-U0-G3	B1-U0-G2	B5-U0-G3
NV-1-64L-7-30K7	B2-U0-G2	B3-U0-G3	B0-U0-G2	B3-U0-G3	B1-U0-G2	B4-U0-G2
NV-1-64L-7-40K7	B3-U0-G3	B3-U0-G3	B0-U0-G2	B3-U0-G3	B1-U0-G2	B4-U0-G2
NV-1-64L-7-50K7	B3-U0-G3	B3-U0-G3	B1-U0-G2	B3-U0-G3	B1-U0-G2	B4-U0-G2
NV-1-64L-1-30K7	B3-U0-G3	B3-U0-G3	B1-U0-G2	B3-U0-G3	B1-U0-G2	B4-U0-G2
NV-1-64L-1-40K7	B3-U0-G3	B3-U0-G3	B1-U0-G3	B3-U0-G4	B1-U0-G3	B5-U0-G3
NV-1-64L-1-50K7	B3-U0-G3	B3-U0-G3	B1-U0-G3	B3-U0-G4	B1-U0-G3	B5-U0-G3

Lumen Maintenance Data

Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	48,000	143,000	94.3%	89.5%	87.2%	78.5%

*Reported extrapolations per IESNA TM-21

**Projected extrapolations per IESNA TM-21

JAN 18 2023



701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nlsighting.com