CITY OF AZTEC
REQUEST FOR QUOTATION
(RFQ)

DATE: 10/22/14 RFQ #: 2015-0453 **DUE DATE: 11/03/14** **TIME: 2:00 PM**	RETURN TO: CITY OF AZTEC ATTN: PURCHASING RFQ # 15-0453 201 W CHACO AZTEC NM 87410 EMAIL: graymond@aztecnm.gov PHONE: (505) 334-7667 FAX: (505) 334-7684	**THIS IS NOT AN ORDER**

NEW MEXICO IN STATE PREFERENCE	PAYMENT TERMS	F.O.B./FREIGHT TERMS	SHIPPING TIME
#_____ In-State or Veteran's Preference will be applied to only those certified bidders who have completed item 6 or 7 below	_____% _____DAYS NET 30 DAYS AFTER RECEIPT OF INVOICE		

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	50	Navion LED Fixture, Cooper lighting Part# STRWRK NVN-AEA01-E-U-T3R-10K-4-BZ For yard light use Light Engine: 1A Drive Current Number of Light Squares: 1 Driver: Non Dimming Voltage: Universal 120-277V Distribution: Type III Roadway Surge Protection: Cooper 10kV Surge Module-Standard Options: NEMA Twistlock Photocontrol Receptacle Color: Bronze *see attached for specifications*		

Refer all questions regarding this Request for Quotation to Geri Raymond at (505) 334-7667 or email graymond@aztecnm.gov

1. RFQ should be based on FOB Destination with freight allowed and must indicate normal lead time and/or best delivery date on the items listed.
2. This RFQ must be received by the City Purchasing Department by the date and time indicated.
3. If bidder does not wish to quote, please return this RFQ indicating“no bid”.
4. All supplies and components quoted shall be new unless indicated otherwise. Any quotes submitted for used or reconditioned supplies or components will be considered non-responsive.
5. The RFQ Number shall appear on all quotations and related correspondence.
6. Bidder has received certification from the State Purchasing Agent for Resident/Contractors Certification. Bidder has been issued the above Certification # and is therefore eligible for the 5% preference credit. In-state certification approval is required at the time of the bid opening to be eligible for in-state preference.
7. RESIDENT VETERANS PREFERENCE: In accordance with Sections 13-1-21 and 13-1-22 NMSA 1978 and effective July 1, 2012, a new resident veteran’s business preference has been implemented. The Taxation and Revenue Department (TRD) will be issuing a three (3) year certificate to each qualified business. Businesses are required to reapply to TRD every three (3) years with the proper documentation to renew their certificate. Attached is one form to be completed and returned with your bid if your firm will qualify for this preference. The veteran’s preference will not be extended without the certificate from TRD and the attached Resident Veterans Preference Certification (next page).
This preference is separate from the in-state preference and is not cumulative with that preference.

7 RFQ’s may be returned via email, fax or USPS. (Reference Item #2)

9. By law (Section 13-1-191, NMSA, 1978) the City is required to inform Bidders of the following: (1) it is a third-degree felony under New Mexico law to commit the offense of bribery of a public officer or public employee (Section 30-24-1, NMSA, 1978); (2) it is a third- degree felony to commit the offense of demanding or receiving a bribe by a public officer or public employee (Section 30-24-2, NMSA, 1978); (3) it is a fourth-degree felony to commit the offense of soliciting or receiving illegal kickbacks (Section 30-41-1, NMSA,1978); (4) it is a fourth-degree felony to commit the offense of offering or paying illegal kickbacks (Section 30-41-2, NMSA, 1978).

SUBMITTED BY (PRINTED NAME):

_____

SIGNATURE:

_____

(To be a valid offer, bidder must sign here)

COMPANY NAME:

_____

DATE: _____

ADDRESS: _____

_____

TELEPHONE#: _____

FAX#: _____

EMAIL: _____

TAX ID NUMBER:

_____

Resident Veterans Preference Certification

_____ (NAME OF CONTRACTOR) hereby certifies the following in regard to application of the resident veterans' preference to this procurement:

Please check one box only

□ I declare under penalty of perjury that my business prior year revenue starting January 1ending December 31 is less than $1M allowing me the 10% preference discount on this solicitation. I understand that knowingly giving false or misleading information about this fact constitutes a crime.

□ I declare under penalty of perjury that my business prior year revenue starting January 1 ending December 31 is more than $1M but less than $5M allowing me the 8% preference discount on this bid or proposal. I understand that knowingly giving false or misleading information about this fact constitutes a crime.

□ I declare under penalty of perjury that my business prior year revenue starting January 1ending December 31 is more than $5M allowing me the 7% preference discount on this bid or proposal. I understand that knowingly giving false or misleading information about this fact constitutes a crime.

"I agree to submit a report, or reports, to the State Purchasing Division of the General Services Department declaring under penalty of perjury that during the last calendar year starting January 1 and ending on December 31, the following to be true and accurate:

"In conjunction with this procurement and the requirements of this business' application for a Resident Veteran Business Preference/Resident Veteran Contractor Preference under Sections 13-1-21 or 13-1-22 NMSA 1978, when awarded a contract which was on the basis of having such veterans preference, I agree to report to the State Purchasing Division of the General Services Department the awarded amount involved. I will indicate in the report the award amount as a purchase from a public body or as a public works contract from a public body as the case may be.

"I understand that knowingly giving false or misleading information on this report constitutes a crime."

I declare under penalty of perjury that this statement is true to the best of my knowledge. I understand that giving false or misleading statements about material fact regarding this matter constitutes a crime.

_____ _____

(Signature of Business Representative)* (Date)

*Must be an authorized signatory for the Business.

The representations made in checking the boxes constitutes a material representation by the business that is subject to protest and may result in denial of an award or unaward of the procurement involved if the statements are proven to be incorrect.

STREETWORKS™

energy solutions

DESCRIPTION

The Navion™ roadway LED luminaire combines world class optical performance, energy efficiency, and outstanding versatility to meet the requirements of any roadway application. Patented AccuLED Optics™ technology delivers unparalleled uniformity and budget-beating operating costs for municipal streets and highways. UL/cUL listed for wet locations, IP66 enclosure rating available.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction
Heavy-duty cast aluminum housing and door with extruded aluminum heat sink. Tool-less entry, hinged removable power tray door for easy maintenance. 3G vibration rated.

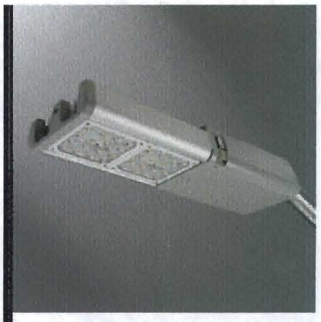
Optics
Choice of 16 patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 6000K CCT and 3000K CCT. For the ultimate level of spill light control, an optional house side shield accessory is available. The house side shield is designed to seamlessly integrate with the SL2, SL3, SL4 or AFL optics.

Electrical
LED drivers are mounted to the removable die-cast aluminum door for optimal heat sinking and ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 10kV UL 1449 surge protection standard. Thermal management incorporates both conduction and convection to transfer heat rapidly away from the LED source for optimal efficiency and light output. Ambient operating temperature from -40°C to 40°C; 50°C ambient capability available. Standard three-position tunnel type compression terminal block. Greater than 90% lumen maintenance expected at 60,000 hours. Light squares are IP66 enclosure rated. Available in standard 1A drive current and optional 530mA and 700mA drive currents.

Mounting
Four-bolt/two-bracket slipfitter with cast-in pipe stop and 2.5° leveling steps. Fixed-in-place bird guard seals around 1-1/4" or 2" mounting arms.

Finish
Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is anodized aluminum. Consult your Eaton's Cooper Lighting business representative for a complete selection of standard colors.

Warranty
Five-year warranty.



NVN NAVION

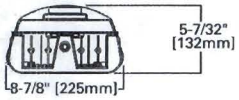
1-6 Light Squares

LED

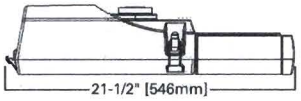
ROADWAY LUMINAIRE

DIMENSIONS

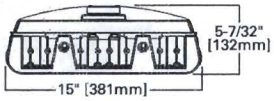
1, 2 or 3 Light Squares



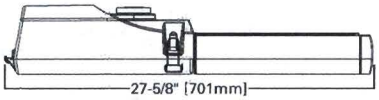
1 Light Square



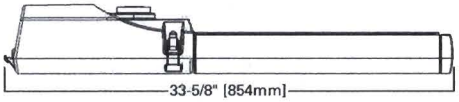
4 or 6 Light Squares



2 or 4 Light Squares

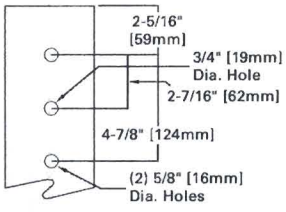


3 or 6 Light Squares



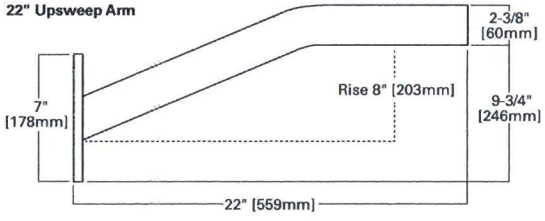
ARM DRILLING

TYPE "M"



OPTIONAL ARM

22" Upsweep Arm



CERTIFICATION DATA

UL/cUL Wet Location Listed
ISO 9001
IP66 Light Squares
3G Vibration Rated
ARRA Compliant
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60 Hz,
347V/60 Hz, 480V/60 Hz
-40°C Minimum Temperature
+40°C Ambient Temperature Rating

EPA

Effective Projected Area (Sq. Ft.):
(Fixture Only)
1 Square 0.89
2 Square's 1.0
3 Square's 1.2
4 Square's 1.2
6 Square's 1.4
(Fixture with AI Arm)
1 Square 1.2
2 Square's 1.3
3 Square's 1.5
4 Square's 1.5
6 Square's 1.7

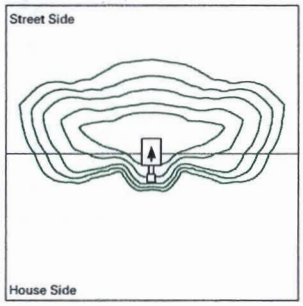
SHIPPING DATA

Approximate Net Weight:
1 Square 17 lbs. (7.7 kgs.)
2 Square's 22 lbs. (10.0 kgs.)
3 Square's 26 lbs. (11.8 kgs.)
4 Square's 31 lbs. (14.1 kgs.)
6 Square's 36 lbs. (16.3 kgs.)

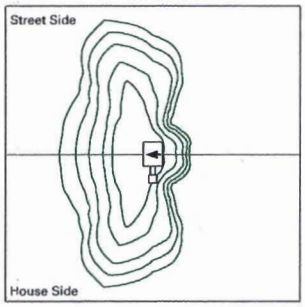
Cooper Lighting
by EATON

*www.designlights.org

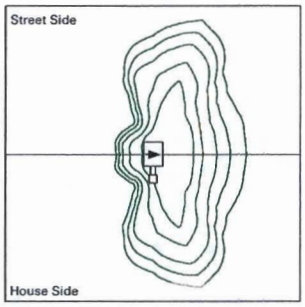
OPTIC ORIENTATION



Standard



Optics Rotated Left @ 90° (L90)

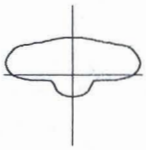


Optics Rotated Right @ 90° (R90)

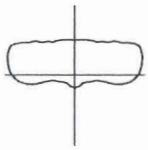
OPTICAL DISTRIBUTIONS

Asymmetric Area Distributions

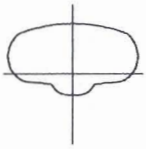
T2
(Type II)



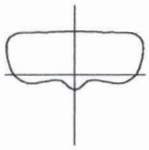
SL2
(Type II with Spill Control)



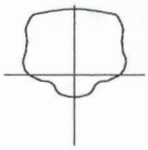
T3
(Type III)



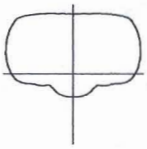
SL3
(Type III with Spill Control)



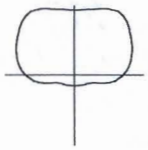
T4FT
(Type IV Forward Throw)



T4W
(Type IV Wide)

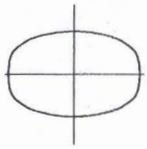


SL4
(Type IV with Spill Control)

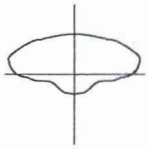


Asymmetric Roadway Distributions

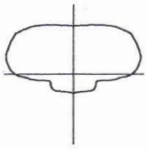
RW
(Rectangular Wide Type I)



T2R
(Type II Roadway)

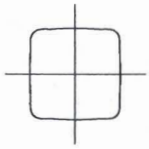


T3R
(Type III Roadway)

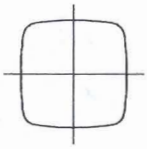


Symmertric Distributions

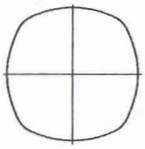
5NQ
(Type V Square Narrow)



5MQ
(Type V Square Medium)

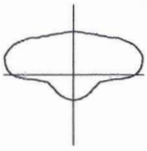


5WQ
(Type V Square Wide)

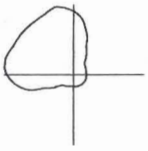


Specialized Distributions

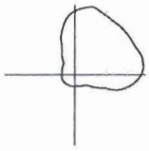
AFL
(Automotive Frontline)



SLL
(90° Spill Light Eliminator Left)



SLR
(90° Spill Light Eliminator Right)



NOMINAL POWER AND LUMENS (1A)

Number of Light Squares		1	2	3	4	6
Drive Current		1A	1A	1A	1A	1A
Nominal Power (Watts)		56	107	157	213	315
Input Current @ 120V (A)		0.47	0.9	1.31	1.79	2.64
Input Current @ 208V (A)		0.28	0.51	0.74	1.02	1.48
Input Current @ 240V (A)		0.25	0.45	0.65	0.9	1.3
Input Current @ 277V (A)		0.23	0.41	0.59	0.82	1.18
Optics						
T2	Lumens	5,155	10,278	15,285	20,587	30,396
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4
T2R	Lumens	5,519	11,004	16,364	22,040	32,542
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4
T3	Lumens	5,268	10,504	15,620	21,038	31,062
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4
T3R	Lumens	5,357	10,680	15,883	21,392	31,585
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4
T4FT	Lumens	5,308	10,584	15,739	21,198	31,299
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5
T4W	Lumens	5,205	10,376	15,431	20,784	30,686
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5
SL2	Lumens	5,163	10,294	15,309	20,619	30,444
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4
SL3	Lumens	5,260	10,487	15,595	21,004	31,013
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4
SL4	Lumens	5,024	10,017	14,897	20,064	29,625
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G5
5NQ	Lumens	5,414	10,795	16,053	21,621	31,923
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2
5MQ	Lumens	5,609	11,183	16,630	22,398	33,071
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4
5WQ	Lumens	5,479	10,924	16,246	21,881	32,307
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4
SLL/SLR	Lumens	4,652	9,274	13,792	18,576	27,427
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4
RW	Lumens	5,382	10,730	15,957	21,492	31,732
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
AFL	Lumens	5,396	10,759	16,000	21,550	31,818
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3

* Nominal data for 4000K CCT.

NOMINAL POWER AND LUMENS (700MA)

Number of Light Squares		1	2	3	4	6
Drive Current		700mA	700mA	700mA	700mA	700mA
Nominal Power (Watts)		38	72	105	138	210
Input Current @ 120V (A)		0.32	0.59	0.86	1.14	1.72
Input Current @ 208V (A)		0.21	0.36	0.51	0.67	1.02
Input Current @ 240V (A)		0.19	0.32	0.45	0.59	0.9
Input Current @ 277V (A)		0.2	0.29	0.40	0.51	0.80
Optics						
T2	Lumens	3,768	7513	11,172	15,047	22,217
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3
T2R	Lumens	4,034	8,043	11,961	16,109	23,785
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3
T3	Lumens	3,851	7,677	11,417	15,377	22,704
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4
T3R	Lumens	3,916	7,806	11,609	15,636	23,086
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4
T4FT	Lumens	3,880	7,736	11,504	15,494	22,877
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4
T4W	Lumens	3804	7,584	11,279	15,191	22,429
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4
SL2	Lumens	3,774	7,524	11,190	15,071	22,252
	BUG Rating	B1-U0-G1	B1-U0-G2	2-U0-G2	B2-U0-G3	B3-U0-G4
SL3	Lumens	3,845	7,665	11,399	15,352	22,668
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4
SL4	Lumens	3,672	7,322	10,888	14,665	21,653
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4
5NQ	Lumens	3,957	7,890	11,733	15,803	23,333
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2
5MQ	Lumens	4,100	8,174	12,155	16,371	24,172
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
5WQ	Lumens	4,005	7,985	11,874	15,993	23,614
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
SLL/SLR	Lumens	3,400	6,779	10,081	13,577	20,047
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4
RW	Lumens	3,934	7,843	11,663	15,709	23,194
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
AFL	Lumens	3,944	7,864	11,695	15,751	23,256
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G1	B2-U0-G2	B3-U0-G2

* Nominal data for 4000K CCT.

NOMINAL POWER AND LUMENS (530MA)

Number of Light Squares		1	2	3	4	6
Drive Current		530mA	530mA	530mA	530mA	530mA
Nominal Power (Watts)		30	54	80	105	159
Input Current @ 120V (A)		0.25	0.45	0.66	0.86	1.32
Input Current @ 208V (A)		0.17	0.28	0.39	0.51	0.78
Input Current @ 240V (A)		0.17	0.25	0.35	0.45	0.7
Input Current @ 277V (A)		0.19	0.24	0.32	0.40	0.64
Optics						
T2	Lumens	3,011	6,002	8,926	12,022	17,750
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3
T2R	Lumens	3,223	6,426	9,556	12,871	19,004
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3
T3	Lumens	3,077	6,134	9,122	12,286	18,140
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3
T3R	Lumens	3,128	6,237	9,275	12,492	18,445
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
T4FT	Lumens	3,100	6,180	9,191	12,379	18,278
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3
T4W	Lumens	3,039	6,060	9,011	12,137	17,920
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3
SL2	Lumens	3,015	6,012	8,940	12,041	17,778
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
SL3	Lumens	3,072	6,124	9,107	12,266	18,110
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0G2	B2-U0-G3	B2-U0-G3
SL4	Lumens	2,934	5,850	8,699	11,717	17,300
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4
5NQ	Lumens	3,162	6,304	9,374	12,626	18,642
	BUG Rating	B1-U0-G0	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2
5MQ	Lumens	3,275	6,530	9,711	13,080	19,312
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
5WQ	Lumens	3,200	6,380	9,487	12,778	18,866
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
SLL/SLR	Lumens	2,716	5,416	8,054	10,848	16,017
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3
RW	Lumens	3,143	6,266	9,318	12,551	18,531
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2
AFL	Lumens	3,151	6,283	9,344	12,585	18,581
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2

* Nominal data for 4000K CCT.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C	> 90%	> 170,000

ORDERING INFORMATION

Sample Number: NVN-AE-01-E-U-T3R-10K-4-AP

Product Family [1]	Light Engine	Number of Light Squares [2]	Driver	Voltage	Distribution	Surge Protection
NVN=Navion	**AE**=1A Drive Current	**01**=1 **02**=2 **03**=3 **04**=4 **06**=6	**E**=Non-Dimming **D**=Dimming	**U**=Universal (120-277V) **8**=480V [3] **9**=347V	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**10K**=Cooper 10kV Surge Module (Standard) **X**=Driver Surge Protection Only [4]

Options (Add as Suffix)

2L=Two Circuits [5] **7030**=70 CRI / 3000K [6] **7060**=70 CRI / 6000K [6] **530**=Drive Current Factory Set to 530mA [7, 8] **700**=Drive Current Factory Set to 700mA [7, 8] **4**=NEMA Twistlock Photocontrol Receptacle **4N7**=NEMA 7-PIN Twistlock Photocontrol Receptacle **IP66**=IP66 Rated **HA**=50°C High Ambient **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right	**MS/DIM-L08**=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [9] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [9] **MS/DIM-L40**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [9] **MS/X-L08**=Bi-Level Motion Sensor, Maximum 8' Mounting Height [10] **MS/X-L20**=Bi-Level Motion Sensor, 9' - 20' Mounting Height [10] **MS/X-L40**=Bi-Level Motion Sensor, 21' - 40' Mounting Height [10] **K**=Level Indicator **AI**=Site Arm Included [11] **LCF**=Light Square Trim Plate Painted to Match Housing **HSS**=Factory Installed House Side Shield [12] **FADC**=Field Adjustable Drive Current [8] **DIMRF-LW**=LumaWatt Wiresless Sensor, Wide Lens for 8'-16' Mounting Heights [13, 14] **DIMRF-LN**=LumaWatt Wiresless Sensor, Narrow Lens for 16'-40' Mounting Heights [13, 14]
Color	**Accessories** (Order Separately)
AP=Grey (Standard) **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **A**=Raw Aluminum Unfinished	**OA/RA1016**=NEMA Photocontrol - Multi-Tap **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=NEMA Photo Control - 120V **OA1223**=10kV Surge Module Replacement **FSIR-100**=Wireless Configuration Tool for Motion Sensor [15] **LS/HSS**=Field Installed House Side Shield [16]

Notes:

1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Standard 4000K CCT and nominal 70 CRI.
3. Not recommended for use with un-grounded, delta configured systems.
4. Consult factory for driver surge protection values.
5. Low-level output varies by number of light squares specified. Consult factory. Requires two or more light squares. No terminal block with 2L options.
6. Use dedicated IES files for 3000K and 6000K when performing layouts. These files are published on the Navion luminaire product page on the website.
7. 1 Amp standard. Use dedicated IES files for 530mA and 700mA when performing layouts. These files are published on the Navion luminaire product page on the website.
8. Not available with any MS/DIM or DIMRF options.
9. Sensor mounted externally. Must specify dimming driver. Consult factory for more information.
10. Sensor mounted externally. Available in 2, 3, 4 or 6 Light Square configurations. Replace "X" with number of Light Squares in low output mode. For ON/OFF operation, replace "X" with "0". Maximum two Light Squares in low output mode. Not available with dimming driver. No terminal block with bi-level operation.
11. 22" upsweep arm. Round pole adapter included.
12. Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected.
13. LumaWatt wireless sensors are factory installed and require network components RF-EM1, RF-GW1 and RF-ROUT1 in appropriate quantities. See www.cooperlighting.com for LumaWatt application information.
14. LumaWatt wireless system is not available with 4N7 (Not needed) or with FADC, 530mA, 700mA or 2L options.
15. This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your Eaton's Cooper Lighting business representative for additional details.
16. One required for each light square.