



**OFFICE OF THE PURCHASING AGENT
COUNTY OF COOK**

118 NORTH CLARK ST. ROOM 1018
CHICAGO, ILLINOIS 60602-1375
(312) 603-5370

THIS PURCHASE ORDER NUMBER
MUST APPEAR ON ALL PACKAGES,
INVOICES, SHIPPING PAPERS AND
DROP SHIPMENTS.

PURCHASE ORDERED ISSUED TO
829779

Neher Electric Supply, Inc.
P.O. Box 16519
Milwaukee WI 53216

DATE
10/4/2011
F.O.B. POINT

PURCHASE ORDER NO.
178386 - 000- OP
REQUISITION NO.
00097663 OR

**COOK COUNTY FEIN: 36-6006541
ILLINOIS SALES TAX EXEMPT: E-9998-2013-04
FEDERAL EXCISE TAX EXEMPT CERT: 36-75-D038K**

SHIP TO Facilities Management Cook County Building 118 N. Clark Street CHICAGO IL 60602-1304	DELIVERY INSTRUCTIONS Bob Rassano 312-603-7719	DEPT NO	Page 1 of 1
		2001108	

LINE	FURNISH THE FOLLOWING SUPPLIES AND/OR SERVICE	QUANTITY/ UOM	UNIT PRICE	EXTENDED PRICE	ACCOUNT NUMBER
1.00	Ballast Ballast, Brand :Advance Operates :for 1 or 2 lamps Voltage :120-277 Part # F28T8/841 (Alternate) Height:1.18 inches Lenght:9.5 inches ul Listed:Yes	350.00 EA	8.2500	2,887.50	2001108.530275
2.00	Bulb Bulb Sylvania # FO28/841 XP/ SS/ ECO Item#22167	210.00 EA	1.8000	378.00	2001108.530275
3.00	Bulb Bulb, Sylvania #FO25/21W/841/XP/SS/ECO3 Item#22396 Average Rate life of (24,000,40,000) All item numbers are Advance and Sylvania and are being used for specification purposes only Substitutions are expectable and should include: 5 year parts & labor on ballasts 3 year warranty on bulbs Req. #12000178	210.00 EA	2.5000	525.00	2001108.530275
***** Total Order *****				3,790.50	

NOTE: VENDOR AGREES NOT TO EXCEED THE QUANTITY OR DOLLAR AMOUNT OF THIS ORDER WITHOUT WRITTEN AUTHORIZATION FROM THE PURCHASING AGENT

RECEIPT CERTIFICATION (FOR DEPARTMENT USE ONLY)

I hereby certify that I have received the goods/services reflected above and that the items referenced are in full conformity with the purchase order/contract.

Authorized Signature: _____

Date: _____

I hereby certify that this purchase is in agreement with the requisition on file authorizing the expenditure and is properly approved.
PURCHASING AGENT

Maia de la Cruz
Date: _____
BIL 10/4/11

Purchase Requisition

Office of the Purchasing Agent
Cook County of Illinois

Purchase Order Number

178386

Requisition # **OR 97663** Contract #

Open Date

6/15/11

Supplier: 299999

TEAM LEAD MAILBOX

Ship To: 8000410 Facilities Management
Cook County Building
118 N. Clark Street
CHICAGO IL 60602-1304

Delivery Instructions:
Bob Rassano
312-603-7719

Buyer Number 724151 Supervisor 50
Bid/Sale Src Code GSP
Business Unit 2001108
Internal Req Number 12000178
Bofrd Apr Date & Item
Requisition Date 5/16/2011
Date Needed 5/16/2011

One Time Purchase Yes No Covers Need for _____ months. Specific Period of time _____ thru _____

Prior Contract No. _____

Expiration Date _____

Emergency No. _____

Line # Commodity Description

Bal. on Hand

Quantity UOM

Est. Unit Cost

Extended Cost

Business Unit and Object Account

1,000 285

Ballast
Ballast, for 1 or 2 lamps
120-27TV

<

350.00 EA

18.7200

6,552.00

2001108.530275

2,000 285

Bulb
Advance # IOP2P32SC 351

<

210.00 EA

36.1800

7,597.80

2001108.530275

3,000 285

Bulb
Bulb, Sylvania #FO28/841 XP/SS/ECO
Bulb, Sylvania #FO25/21W/841XP/SS/ECOS

<

210.00 EA

22.6000

4,746.00

2001108.530275

All item numbers are Advance and Sylvania and are being used for specification purposes only

Substitutions are expectable and should include:
5 year parts & labor on ballasts
3 year warranty on bulbs
Req: #12000178

Total of Items Ordered

18,895.80

CERTIFICATION

I hereby certify that the items and/or services above are necessary to this department (or institution) and that the dept. no., account & activity numbers indicated above accurately reflect the specific line item budget appropriation approved by the Board of County Commissioners and there is a sufficient unencumbered balance in the account to grant same.

CCA

APPROVED BUDGETARY ACCOUNT 22:5 HD 02:MM 1102 PURCHASING USE ONLY

ACCT #

DATE

BY

REQUISITIONER

BUREAU or DEPARTMENT HEAD

Michael S. Lane

PROCUREMENT

RECEIVED
OFFICE OF THE
PURCHASING AGENT
MAY 16 2011

81 BK

OCTRON® 800 XP® SUPERSAVER® ECOLOGIC®3 Extended Performance Fluorescent Lamps



The OCTRON 800XP SUPERSAVER T8 fluorescent offering includes a full complement of lengths and wattages, ensuring there is an energy-saving lamp to satisfy nearly all applications. These lamps operate on standard T8 instant start systems and provide up to 22 percent energy savings over 32 Watt lamps. At 10¢/kWh and 4000 hours of operation per year, the 22 percent energy savings translate to a savings of \$11.20 per fixture per year for a 4-lamp fixture. The initial lumen output, lumen maintenance and high color rendering of the OCTRON 800 XP SUPERSAVER/ECO3 lamps help ensure that lighting quality is maintained while energy is saved. These lamps pass the Federal TCLP test, classifying them as non-hazardous waste in most states and feature lead-free glass, bases and manufacturing process, reducing overall environmental impact.

For optimal performance and system warranty, pair with QUICKTRONIC® electronic ballast systems.

Key Features & Benefits

- Energy savings compared to standard 32W T8 lamp
 - 22% with the 25W XP®/SS
 - 12% with the 28W XP®/SS
 - 6% with the 30W XP®/SS
- 94% lumen maintenance
- Lead free
- Made in the USA
- Dimmable (see application note 5)
- TCLP and RoHS compliant
- Retrofit lamp for existing T8 instant start systems
 - 40,000 hours rated life @ 12 hours per start
- Increased life on SYLVANIA QUICKTRONIC® PROStart® PSX and PSN programmed rapid start ballasts
 - 42,000 hours rated life @ 12 hours per start
- Available in 2, 3, 4 and 8-foot and eXtended Life (XL) types

SYLVANIA OCTRON ECOLOGIC3 T8 fluorescent lamps pass the Federal Toxic Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states*.

ECOLOGIC3 represents a more comprehensive approach to sustainability encompassing high efficiency, long life and RoHS/TCLP compliance.

1. TCLP test results are based on NEMA LL Series standards and are available on request.
2. Lamp disposal regulations may vary; check your local & state regulations.



This light source meets restrictions on hazardous substances.



Product Offering

Lamp Type	Wattage	CCT
F017/15W/800XP/SS/ECO3	15	3000K, 3500K, 4100K, 5000K
F025/21W/800XP/SS/ECO3	21	3000K, 3500K, 4100K, 5000K
F032/25W/800XP/SS/ECO3	25	3000K, 3500K, 4100K, 5000K
F028/800XP/SS/ECO3	28	3000K, 3500K, 4100K, 5000K
F030/800XP/SS/ECO3	30	3000K, 3500K, 4100K, 5000K
F032/25W/800XP/XL/SS/ECO3	25	3000K, 3500K, 4100K
F028/800XP/XL/SS/ECO3	28	3500K, 4100K, 5000K
F096/50W/800XP/SS/ECO3	50	3500K, 4100K, 5000K
F096/54W/800XP/SS/ECO3	54	3500K, 4100K, 5000K

Application Information

Applications

- Cove
- Direct/indirect luminaires
- Recessed troffers
- Schools
- Valance

Application Notes

1. F025, F028 and F030 SUPERSAVER lamps are recommended to be used on F32T8 instant start ballast with minimum open circuit voltage of 550V RMS at the lamp.
 - a. Electronically ballasted fixture configurations which operate lamps remotely, such as Master/Satellite applications, can cause reduction of lamp open circuit voltage, in the remote fixture, below the minimum required for reliable lamp starting. For more information, please call 1-800-LIGHTBULB and ask for Ballast Technical Assistance or call your fixture manufacturer.
 - b. Not recommended to be used: (1) in remotely ballasted fixtures with lamp open circuit voltages below 550V, (2) with Rapid Start ballasts unless the lamp open circuit voltage is greater than 570V, (3) in air handling fixtures, (4) on low power factor ballasts or (5) inverter operated emergency lighting systems unless the equipment is specifically listed for the particular lamps. Any of the above situations could result in lamp starting and stabilization problems, or system compatibility issues.
2. F096 SUPERSAVER lamps are recommended to be used on F96T8 instant start ballast with minimum open circuit voltage of 725V.
3. If an operating lamp is exposed to drafts or the ambient temperature falls below 60°F (70°F for 25W), striation (a rhythmic pulsing pattern of light running down the tube) and/or reduction in lamp brightness may occur. While visually disconcerting, neither behavior is damaging to the lamp and removing the cause (draft or temperature) will return the lamp to normal operation.
4. Fixture must conform to ANSI C78.81-2005 requirements for luminaire design.
5. F096 types are not dimmable. For all other types, contact OSRAM SYLVANIA for approved dimming ballasts.

SEE THE WORLD IN A NEW LIGHT

SYLVANIA



Ordering Information

Item Number	Ordering Abbreviation	Nominal Length (in.)	Initial Lumens	Mean Lumens ¹	Lumens per Watt	Average Rated Life				CCT	CRI	
						Instant Start 3 hrs/ start	Instant Start 12 hrs/ start	Prog. Rapid Start 3 hrs/ start	Prog. Rapid Start 12 hrs/ start			
OCTRON® 800 XP® SUPERSAVER®												
22405	F017/15W/830/XP/SS/EC03	15	24	1200	1128	80	24,000	40,000	40,000	42,000	3000K	85
22406	F017/15W/835/XP/SS/EC03	15	24	1200	1128	80	24,000	40,000	40,000	42,000	3500K	85
22407	F017/15W/841/XP/SS/EC03	15	24	1200	1128	80	24,000	40,000	40,000	42,000	4100K	85
22408	F017/15W/850/XP/SS/EC03	15	24	1200	1128	80	24,000	40,000	40,000	42,000	5000K	80
22394	F025/21W/830/XP/SS/EC03	21	36	1925	1810	92	24,000	40,000	40,000	42,000	3000K	85
22395	F025/21W/835/XP/SS/EC03	21	36	1925	1810	92	24,000	40,000	40,000	42,000	3500K	85
22396	F025/21W/841/XP/SS/EC03	21	36	1925	1810	92	24,000	40,000	40,000	42,000	4100K	85
22397	F025/21W/850/XP/SS/EC03	21	36	1925	1810	92	24,000	40,000	40,000	42,000	5000K	80
22232	F032/25W/830/XP/SS/EC03	25	48	2475	2327	99	24,000	40,000	40,000	42,000	3000K	85
22233	F032/25W/835/XP/SS/EC03	25	48	2475	2327	99	24,000	40,000	40,000	42,000	3500K	85
22234	F032/25W/841/XP/SS/EC03	25	48	2475	2327	99	24,000	40,000	40,000	42,000	4100K	85
22235	F032/25W/850/XP/SS/EC03	25	48	2400	2256	96	24,000	40,000	40,000	42,000	5000K	80
22177	F028/830/XP/SS/EC03	28	48	2725	2562	97	24,000	40,000	40,000	42,000	3000K	85
22178	F028/835/XP/SS/EC03	28	48	2725	2562	97	24,000	40,000	40,000	42,000	3500K	85
22179	F028/841/XP/SS/EC03	28	48	2725	2562	97	24,000	40,000	40,000	42,000	4100K	85
22184	F028/850/XP/SS/EC03	28	48	2600	2444	93	24,000	40,000	40,000	42,000	5000K	80
22063	F030/830/XP/SS/EC03	30	48	2850	2679	95	24,000	40,000	40,000	42,000	3000K	85
22060	F030/835/XP/SS/EC03	30	48	2850	2679	95	24,000	40,000	40,000	42,000	3500K	85
22062	F030/841/XP/SS/EC03	30	48	2850	2679	95	24,000	40,000	40,000	42,000	4100K	85
22202	F030/850/XP/SS/EC03	30	48	2800	2632	93	24,000	40,000	40,000	42,000	5000K	80
OCTRON® 800 XP® XL SUPERSAVER®												
22349	F032/25W/830/XP/XL/SS/EC03	25	48	2400	2304	96	36,000	50,000	52,000	55,000	3000K	85
22222	F032/25W/835/XP/XL/SS/EC03	25	48	2400	2304	96	36,000	50,000	52,000	55,000	3500K	85
22223	F032/25W/841/XP/XL/SS/EC03	25	48	2400	2304	96	36,000	50,000	52,000	55,000	4100K	85
22166	F028/835/XP/XL/SS/EC03	28	48	2600	2496	93	36,000	50,000	52,000	55,000	3500K	85
22167	F028/841/XP/XL/SS/EC03	28	48	2600	2496	93	36,000	50,000	52,000	55,000	4100K	85
22326	F028/850/XP/XL/SS/EC03	28	48	2600	2496	93	36,000	50,000	52,000	55,000	5000K	80
OCTRON® F096 XP® SUPERSAVER												
22420	F096/50W/835/XP/SS/EC03	50	96	5400	5076	108	24,000	36,000			3500K	85
22421	F096/50W/841/XP/SS/EC03	50	96	5400	5076	108	24,000	36,000			4100K	85
22422	F096/50W/850/XP/SS/EC03	50	96	5400	5076	108	24,000	36,000			5000K	85
22100	F096/54W/835/XP/SS/EC03	54	96	5700	5360	106	24,000	36,000			3500K	85
22101	F096/54W/841/XP/SS/EC03	54	96	5700	5360	106	24,000	36,000			4100K	85
22347	F096/54W/850/XP/SS/EC03	54	96	5700	5360	106	24,000	36,000			5000K	85

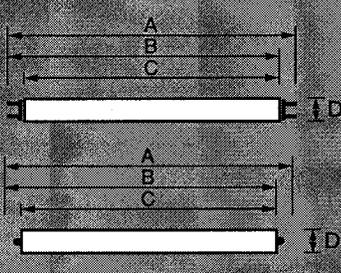
1. Measured at 40% of rated life.

Ordering Guide

F0	30	/	8	35		XP	/	SS	/	EC03
Fluorescent	Actual Wattage		Actual CRI	Color Temperature		Extended		SUPERSAVER		ECOLOGIC3
OCTRON	15, 21, 25, 28, 30, 50 and 54		80 or 85	30 = 3000K CCT, 35 = 3500K CCT, 41 = 4100K CCT, 50 = 5000K CCT		Performance				

Lamp Dimensions

Lamp Type	(A) Max. Overall Length (in.)	(B) Base Face to Opposite Pin (in.)	(C) Max. Base Face to Base Face (in.)	(D) Max. Outside Diameter (in.)
F017	23.78	Min. 23.41 Max. 23.50	23.22	1.1
F025	35.78	Min. 35.40 Max. 35.50	35.22	1.1
F032 F032/25W	47.78	Min. 47.41 Max. 47.50	47.22	1.1
F028 F030				
F096	94.00	Min. 93.42 Max. 93.65	93.30	1.1



Related Literature

For maximum energy savings consider pairing with the following electronic ballasts:

Ballast Technology Applications & Specification Guide (Literature code: ECS-Electronic2009)

QUICKTRONIC® High Efficiency NEMA Premium Guide (Literature code: ECS112)

QUICK 60+® System Warranty (Literature code: ECS140)

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SEE THE WORLD IN A NEW LIGHT is a registered trademark of OSRAM SYLVANIA Inc.
QUICKTRONIC is a registered trademark of OSRAM GmbH.

Specification Data

Fixture Description

Type

Project/Job

SYLVANIA lamp

SYLVANIA ballast

Notes

Sample Specification

Lamp shall be OCTRON® 800 XP® SUPERSAVER® ECOLOGIC®3 (15W, 21W, 25W, 28W, 30W, 50W, 54W) lamp having medium bi-pin bases or 50W and 54W lamp having single pin bases. Lamp shall be designed to pass the Federal TCLP test in force at the time of manufacture. Lamps shall have initial lumens of (1200, 1925, 2400, 2475, 2600, 2725, 2850, 5400, 5700), mean lumens of (1128, 1810, 2304, 2327, 2496, 2562, 2679, 5076, 5360) and a correlated color temperature of (3000, 3500, 4100) Kelvin or initial lumens of (2400, 2600, 2800, 5700) and mean lumens of (2256, 2444, 2632, 5360) and a correlated color temperature of 5000K. Lamp shall have an average rated life of (24,000, 40,000, 42,000) on (instant start, programmed rapid start) ballasts, 94% lumen maintenance at 40% of rated life and a CRI of (85, 80). The OCTRON XP SUPERSAVER ECOLOGIC3 lamp shall be operated on QUICKTRONIC® electronic, high frequency ballasts with complete system warranty from the manufacturer covering lamps and ballast.

United States

OSRAM SYLVANIA

100 Endicott Street
Danvers, MA 01923

Trade

Phone: 1-800-255-5042

Fax: 1-800-255-5043

National Accounts

Phone: 1-800-562-4671

Fax: 1-800-562-4674

OEM/Special Markets

Phone: 1-800-762-7191

Fax: 1-800-762-7192

Display/Optic

Phone: 1-888-677-2627

Fax: 1-800-762-7192

Canada

OSRAM SYLVANIA LTD.

2001 Drew Road
Mississauga, ON L5S 1S4

Trade

Phone: 1-800-263-2852

Fax: 1-800-667-6772

OEM/Special Markets/Display/Optic

Phone: 1-800-265-2852

Fax: 1-800-667-6772

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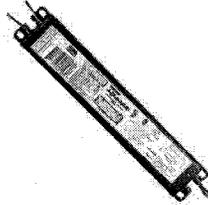
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- ▶ Stage and Studio
- ▶ Surge Protectors
- ▶ Germicidal Ultraviolet
- ▶ Ventilation Fans

Sort by: [relevance](#)

STOCK CODE: BA-IOP2P32SC35I

Advance Optanium 2.0 IOP-2P32-SC - 120/277 Volt - Instant Start - Ballast Factor 1.06 - Power Factor 99% - Min. Temp. Rating -20 Deg. F - Operates (1 or 2) F32T8 Fluorescent Lamps



- Brand : Advance
- Family : Optanium 2.0
- Part No. : IOP-2P32-SC
- Voltage : 120 / 277
- Ballast Factor : 1.06
- Height : 1.18 in.
- Width : 1.7 in.
- Length : 9.5 in.
- Operates : (1 or 2) F32T8 Lamps
- Start Temp. (Min) : -20 Deg. F
- Power Factor : 99%
- Start Method : Instant Start
- THD : 10%
- Weight : 1 lb.
- CSA Listed : Yes
- UL Listed : Yes
- Warranty : 5 Years
- Case Quantity : 10

\$18.46 ea

Quantity:

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OCTRON® 800 XP® SUPERSAVER® ECOLOGIC®3

Extended Performance Fluorescent Lamps



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F028/800XP/SS/ECO3	28	3000K, 3500K, 4100K, 5000K
F030/800XP/SS/ECO3	30	3000K, 3500K, 4100K, 5000K
F032/25W/800XP/XL/SS/ECO3	25	3000K, 3500K, 4100K
F028/800XP/XL/SS/ECO3	28	3500K, 4100K, 5000K
F096/50W/800XP/SS/ECO3	50	3500K, 4100K, 5000K
F096/54W/800XP/SS/ECO3	54	3500K, 4100K, 5000K

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SEE THE WORLD IN A NEW LIGHT



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						Instant Start 3 hrs/ start	12 hrs/ start	Prog. Rapid Start 3 hrs/ start	12 hrs/ start			
OCTRON® 800 XP® SUPERSAVER®												
22405	F01715W/830/XP/SS/EC03	15	24	1200	1128	80	24,000	40,000	40,000	42,000	3000K	85
22406	F01715W/835/XP/SS/EC03	15	24	1200	1128	80	24,000	40,000	40,000	42,000	3500K	85
22407	F01715W/841/XP/SS/EC03	15	24	1200	1128	80	24,000	40,000	40,000	42,000	4100K	85
22408	F01715W/850/XP/SS/EC03	15	24	1200	1128	80	24,000	40,000	40,000	42,000	5000K	80
22394	F025/21W/830/XP/SS/EC03	21	36	1925	1810	92	24,000	40,000	40,000	42,000	3000K	85
22395	F025/21W/835/XP/SS/EC03	21	36	1925	1810	92	24,000	40,000	40,000	42,000	3500K	85
22396	F025/21W/841/XP/SS/EC03	21	36	1925	1810	92	24,000	40,000	40,000	42,000	4100K	85
22397	F025/21W/850/XP/SS/EC03	21	36	1925	1810	92	24,000	40,000	40,000	42,000	5000K	80
22232	F032/25W/830/XP/SS/EC03	25	48	2475	2327	99	24,000	40,000	40,000	42,000	3000K	85
22233	F032/25W/835/XP/SS/EC03	25	48	2475	2327	99	24,000	40,000	40,000	42,000	3500K	85
22234	F032/25W/841/XP/SS/EC03	25	48	2475	2327	99	24,000	40,000	40,000	42,000	4100K	85
22235	F032/25W/850/XP/SS/EC03	25	48	2400	2256	96	24,000	40,000	40,000	42,000	5000K	80
22177	F028/830/XP/SS/EC03	28	48	2725	2562	97	24,000	40,000	40,000	42,000	3000K	85
22178	F028/835/XP/SS/EC03	28	48	2725	2562	97	24,000	40,000	40,000	42,000	3500K	85
22179	F028/841/XP/SS/EC03	28	48	2725	2562	97	24,000	40,000	40,000	42,000	4100K	85
22184	F028/850/XP/SS/EC03	28	48	2600	2444	93	24,000	40,000	40,000	42,000	5000K	80
22063	F030/830/XP/SS/EC03	30	48	2850	2679	95	24,000	40,000	40,000	42,000	3000K	85
22060	F030/835/XP/SS/EC03	30	48	2850	2679	95	24,000	40,000	40,000	42,000	3500K	85
22062	F030/841/XP/SS/EC03	30	48	2850	2679	95	24,000	40,000	40,000	42,000	4100K	85
22202	F030/850/XP/SS/EC03	30	48	2800	2632	93	24,000	40,000	40,000	42,000	5000K	80
OCTRON® 800 XP® XL SUPERSAVER®												
22249	F032/25W/830/XP/XL/SS/EC03	25	48	2400	2304	96	36,000	50,000	52,000	55,000	3000K	85
22222	F032/25W/835/XP/XL/SS/EC03	25	48	2400	2304	96	36,000	50,000	52,000	55,000	3500K	85
22223	F032/25W/841/XP/XL/SS/EC03	25	48	2400	2304	96	36,000	50,000	52,000	55,000	4100K	85
22166	F028/835/XP/XL/SS/EC03	28	48	2600	2496	93	36,000	50,000	52,000	55,000	3500K	85
22167	F028/841/XP/XL/SS/EC03	28	48	2600	2496	93	36,000	50,000	52,000	55,000	4100K	85
22326	F028/850/XP/XL/SS/EC03	28	48	2600	2496	93	36,000	50,000	52,000	55,000	5000K	80
OCTRON® F096 XP® SUPERSAVER												
22420	F096/50W/835/XP/SS/EC03	50	96	5400	5076	108	24,000	36,000			3500K	85
22421	F096/50W/841/XP/SS/EC03	50	96	5400	5076	108	24,000	36,000			4100K	85
22422	F096/50W/850/XP/SS/EC03	50	96	5400	5076	108	24,000	36,000			5000K	85
22100	F096/54W/835/XP/SS/EC03	54	96	5700	5360	106	24,000	36,000			3500K	85
22101	F096/54W/841/XP/SS/EC03	54	96	5700	5360	106	24,000	36,000			4100K	85
22347	F096/54W/850/XP/SS/EC03	54	96	5700	5360	106	24,000	36,000			5000K	85

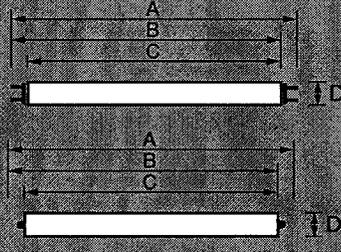
1. Measured at 40% of rated life.

Ordering Guide

F0	30	/	8	35	XP	/	SS	/	EC03
Fluorescent	Actual Wattage		Actual CRI	Color Temperature	Extended		SUPERSAVER		ECOLOGIC3
OCTRON	15, 21, 25, 28, 30, 50 and 54		80 or 85	30 = 3000K CCT, 35 = 3500K CCT, 41 = 4100K CCT, 50 = 5000K CCT	Performance				

Lamp Dimensions

Lamp Type	(A) Max. Overall Length (in.)	(B) Base Face to Opposite Pin (in.)	(C) Max. Base Face to Base Face (in.)	(D) Max. Outside Diameter (in.)
F017	23.78	Min 23.41 Max 23.50	23.22	1.1
F025	35.78	Min 35.40 Max 35.50	35.22	1.1
F032	47.78	Min 47.41 Max 47.50	47.22	1.1
F032/25W				
F028				
F030				
F096	94.00	Min 93.42 Max 93.65	93.30	1.1



Related Literature

For maximum energy savings consider pairing with the following electronic ballasts:

Ballast Technology Applications & Specification Guide (Literature code: ECS-Electronic2009)

QUICKTRONIC® High Efficiency NEMA Premium Guide (Literature code: ECS112)

QUICK 60+® System Warranty (Literature code: ECS140)

SYLVANIA, ECOLOGIC, OCTRON, QUICK 60+, SUPERSAVER and XP are registered trademarks of OSRAM SYLVANIA Inc. SEE THE WORLD IN A NEW LIGHT is a registered trademark of OSRAM SYLVANIA Inc. QUICKTRONIC is a registered trademark of OSRAM GmbH.

Specification Data

Fixture Description

Type

Project/Job

SYLVANIA lamp

SYLVANIA ballast

Notes

Sample Specification

Lamp shall be OCTRON® 800 XP® SUPERSAVER® ECOLOGIC®3 (15W, 21W, 25W, 28W, 30W, 50W, 54W) lamp having medium bi-pin bases or 50W and 54W lamp having single pin bases. Lamp shall be designed to pass the Federal TCLP test in force at the time of manufacture. Lamps shall have initial lumens of (1200, 1925, 2400, 2475, 2600, 2725, 2850, 5400, 5700), mean lumens of (1128, 1810, 2304, 2327, 2496, 2562, 2679, 5076, 5360) and a correlated color temperature of (3000, 3500, 4100) Kelvin or initial lumens of (2400, 2600, 2800, 5700) and mean lumens of (2256, 2444, 2632, 5360) and a correlated color temperature of 5000K. Lamp shall have an average rated life of (24,000, 40,000, 42,000) on (instant start, programmed rapid start) ballasts, 94% lumen maintenance at 40% of rated life and a CRI of (85, 80). The OCTRON XP SUPERSAVER ECOLOGIC3 lamp shall be operated on QUICKTRONIC® electronic, high frequency ballasts with complete system warranty from the manufacturer covering lamps and ballast.

United States

OSRAM SYLVANIA

100 Endicott Street
Danvers, MA 01923

Trade

Phone: 1-800-255-5042

Fax: 1-800-255-5043

National Accounts

Phone: 1-800-562-4671

Fax: 1-800-562-4674

OEM/Special Markets

Phone: 1-800-762-7191

Fax: 1-800-762-7192

Display/Optic

Phone: 1-888-677-2627

Fax: 1-800-762-7192

Canada

OSRAM SYLVANIA LTD.

2001 Drew Road
Mississauga, ON L5S 1S4

Trade

Phone: 1-800-263-2852

Fax: 1-800-667-6772

OEM/Special Markets/Display/Optic

Phone: 1-800-265-2852

Fax: 1-800-667-6772

www.sylvania.com

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Search results for 'iop2p32sc35i'

P (800) 624-4488
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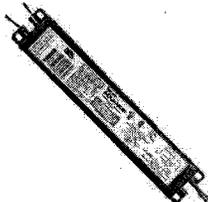
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STOCK CODE: BA-IOP2P32SC35I

Advance Optanium 2.0 IOP-2P32-SC - 120/277 Volt - Instant Start - Ballast Factor 1.06 - Power Factor 99% - Min. Temp. Rating -20 Deg. F - Operates (1 or 2) F32T8 Fluorescent Lamps



- Brand : Advance
- Family : Optanium 2.0
- Part No. : IOP-2P32-SC
- Voltage : 120 / 277
- Ballast Factor : 1.06
- Height : 1.18 in.
- Width : 1.7 in.
- Length : 9.5 in.
- Operates : (1 or 2) F32T8 Lamps
- Start Temp. (Min) : -20 Deg. F
- Power Factor : 99%
- Start Method : Instant Start
- THD : 10%
- Weight : 1 lb.
- CSA Listed : Yes
- UL Listed : Yes
- Warranty : 5 Years
- Case Quantity : 10

\$18.46 ea

Quantity:

+ Add To Cart

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BID TABULATION

BID NAME: BALLAST
 BID NUMBER: 97663
 BID OPENING DATE: Friday, June 24, 2011
 BID OPENING TIME: 10:00 AM
 BUYER NAME: BRENDA BEARD

ITEM #	DESCRIPTION	QUANTITY	UNIT	NEHER ELECTRIC ALT		J.P. SIMONS		BULBS N MORE	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1	BALLAST	350	EA	\$8.25	\$2,887.50	\$8.70	\$3,045.00	\$8.99	\$3,146.50
2	BULB	210	EA	\$1.80	\$378.00	\$2.50	\$525.00	\$2.08	\$436.80
3	BULB	210	EA	\$2.50	\$525.00	\$2.64	\$554.40	\$2.81	\$590.10
					\$3,790.50		\$4,124.40		\$4,173.40
				VENDOR #4: NEHER ELECTRIC PRODUCTION DIST.		VENDOR #5: NEHER ELECTRIC			
1	BALLAST	350	EA	\$9.75	\$3,412.50	\$10.45	\$3,657.50		
2	BULB	210	EA	\$1.95	\$409.50	\$2.40	\$504.00		
3	BULB	210	EA	\$2.60	\$546.00	\$2.50	\$525.00		
					\$4,368.00		\$4,686.50		

NOTES:
 VENDOR #1 NEHER ELECTRIC SUBMITTED AN ALTERNATE BID.

BALLAST, BRAND: ADVANCE

BULB SYLVANIA-DEPT OF FACILITIES MANAGEMENT

DUE DATE: FRIDAY JUNE 24, 2011 AT 10:00 AM QUOTE #Q-97663-OR-B. BEARD

VENDOR NAME	VENDOR ADDRESS	VENDOR AMOUNT
1 Bulbs-n-More	P.O. Box 1062 Rahway, NJ 07065	4,173.40
2 Production Dist. Comp.	9511 So. Dorchester Chgo, IL 60628	4,368.00
3 Neher Elec. Supply	3629 N. Teutonia Ave Milwaukee, WI 53206	NO TOTAL 4686.50 #1 3790.50 1A
4 J.P. Simmons	1426 Brook Drive Downers Grove, IL 60515	NO TOTAL 4124.40
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22		



RETURN THIS QUOTATION TO:
OFFICE OF THE PURCHASING AGENT
COUNTY OF COOK

118 NORTH CLARK ST. ROOM 1018 CHICAGO, ILLINOIS 60602-1375
 SEALED BIDS FOR THE FOLLOWING SUPPLIES AND/OR SERVICES
 WILL BE ACCEPTED AT THIS OFFICE UP TO 10:00 A.M.

QUOTATION
 This is not an order - submit all quotations on this form.

DATE 6/14/2011	BUYER BEARD, BRENDA	BUYER PHONE 312 6035383	ORDER NO. 97663 OR	RESPOND BY 6/24/2011	Quotes must be in Bid Box by 10:00 A.M.	Page 1 of 1
-------------------	------------------------	----------------------------	-----------------------	-------------------------	---	-------------

Vendor Address

NEHER ELECTRIC
 3629 N. TELEGRAPH ST.
 MILWAUKEE WI 53206

829779

TERMS AND CONDITIONS

Acceptance: If this bid is accepted by the County within 30 days from date of opening, bidder offers and agrees to furnish any or all of the items upon which prices are quoted, at the price and delivery time stated, subject to all terms and conditions endorsed hereon.

Bidding: The right is reserved to reject any and all bids; to waive a formality in bids; to award by item or class. Bidders cannot limit the acceptance of bid to less than 30 days.

Errors in Bid: Bidders are cautioned to verify their bids before submission. No bid may be withdrawn or changed after it has been opened. In case of error in extension, unit price will govern.

Deliveries: Bid price must reflect any delivery charges to point designated. Title is to pass at delivery point.

Taxes: Materials and services purchased by Cook County are exempt from Federal Excise Tax by virtue of exemption certificate #36-75-0038K, from Illinois Retailers' Occupation Tax, Municipal Retailers' Occupation Tax and all Service Taxes.

In General: The prices quoted herein shall agree with all Federal Laws and Regulations.

Brand Names: Where brand names, model or part numbers are employed in the description, it is not intended that they are restrictive. Where a bidder proposes an "or equal" bidder shall fully describe the item proposed.

Product Delivery Point

Facilities Management
 Cook County Building
 118 N. Clark Street
 CHICAGO IL 60602-1304

DELIVERY IN WORKING DAYS 7-10
 PHONE NUMBER 414.871.5700
 SIGNED BY Donna B. Bullock
 (PLEASE PRINT) Donna B. Bullock

INSTRUCTIONS ON MARKING BID ENVELOPE

Before returning bid, mark the envelope in which the bid will be enclosed with the following information: Order Number, Date and Time bid is to be opened. Mark envelope "BID". Vendor is responsible for having quotation in bid box before bid opening date and time.

DESCRIPTION	QUANTITY ORDERED	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
Ballast Ballast, Brand :Advance Operates :for 1 or 2 lamps Voltage :120-277 Part # IOP2P32SC 35I Height:1.18 inches Length:9.5 inches ul Listed:yes	350.00	EA	10.45	3657.50
* ALTERNATE OSRAM / SYLVANIA QHE 2x32 T8 UL 15W		*	8.25	2887.50 *
Bulb Bulb Sylvania # F028/841 XP/ SS/ ECO Item#22167	210.00	EA	2.40	504.00
* ALTERNATE F028841XPSSECO		*	1.80	378.00 *
Bulb Bulb, Sylvania #F025/21W/841/XP/SS/ECO3 Item#22396 Average Rate life of (24,000,40,000) All item numbers are Advance and Sylvania and are being used for specification purposes only Substitutions are expectable and should include: 5 year parts & labor on ballasts 3 year warranty on bulbs Req. #12000178	210.00	EA	2.50	525.00

OFFICE USE ONLY	PURCHASE ORDER #	ADDITIONAL TERMS ON REVERSE SIDE	TOTAL 3,790.50 OR 14,686.50
-----------------	------------------	----------------------------------	--------------------------------------

ALTA



3629 N. TEUTONIA AVE
MILWAUKEE, WI 53208

Phone 414-871-5700 Fax 414-449-8305

*****Please note our new mailing address on all correspondence*****
P.O. BOX 16519 Milwaukee, Wisconsin 53216-0519

SPES. FOR ALTERNATE Bid

Fax Cover

To: BREWSTER BEARD	From: DON BEARD
Fax: 312-603-3179	Pages: 3
Phone:	Date:
Re:	CC:

Urgent
 For Review
 Please Comment
 Please Reply
 Please Recycle

• Comments:

Quotation # 97663

I WAS ASKED TO SEND YOU A CUT SHEET
ON THE ALTERNATE LAMP

NOTICE: This fax (including enclosures) is covered by the Electronic Communications Privacy Act, 18 U.S.C. Statutes 2510-2521, is confidential, and may be legally privileged. The information is solely for the use of the addressee named above. If you are not the intended recipient, any disclosure, copying, distribution or other use of the contents of this information is strictly prohibited. If you have received this fax in error, please notify us by return fax and destroy this message. Thank you.

Linear T8 Lamps		Lamp Part Number	UPC Code (768936-)	Carton Quantity
F32T8		F32T8/835A00C	25736	30
		F32T8/841A00C	25737	30
		F32T8/850A00C	25738	30
F32T8HL High Lumen		F32T8/835HLA00C	25898	30
		F32T8/841HLA00C	25899	30
		F32T8/850HLA00C	25900	30
F28T8		F28T8/835A00C	25877	30
		F28T8/841A00C	25878	30
		F28T8/850A00C	25879	30
F25T8 (3 FT.)		F25T8/835A00C	25874	30
		F25T8/841A00C	25875	30
F17T8 (2 FT.)		F17T8/835A00C	25873	30
		F17T8/841A00C	25871	30
U-Bend T8 Lamps				
F32T8 U-Bend 6" Leg		FB32T8/835/6A00C	25865	10
		FB32T8/841/6A00C	25866	10
T5HO Lamps				
F54T5HO		F54T5HO/835B00C	27422	40
		F54T5HO/841B00C	24987	40
		F54T5HO/850B00C	24991	40

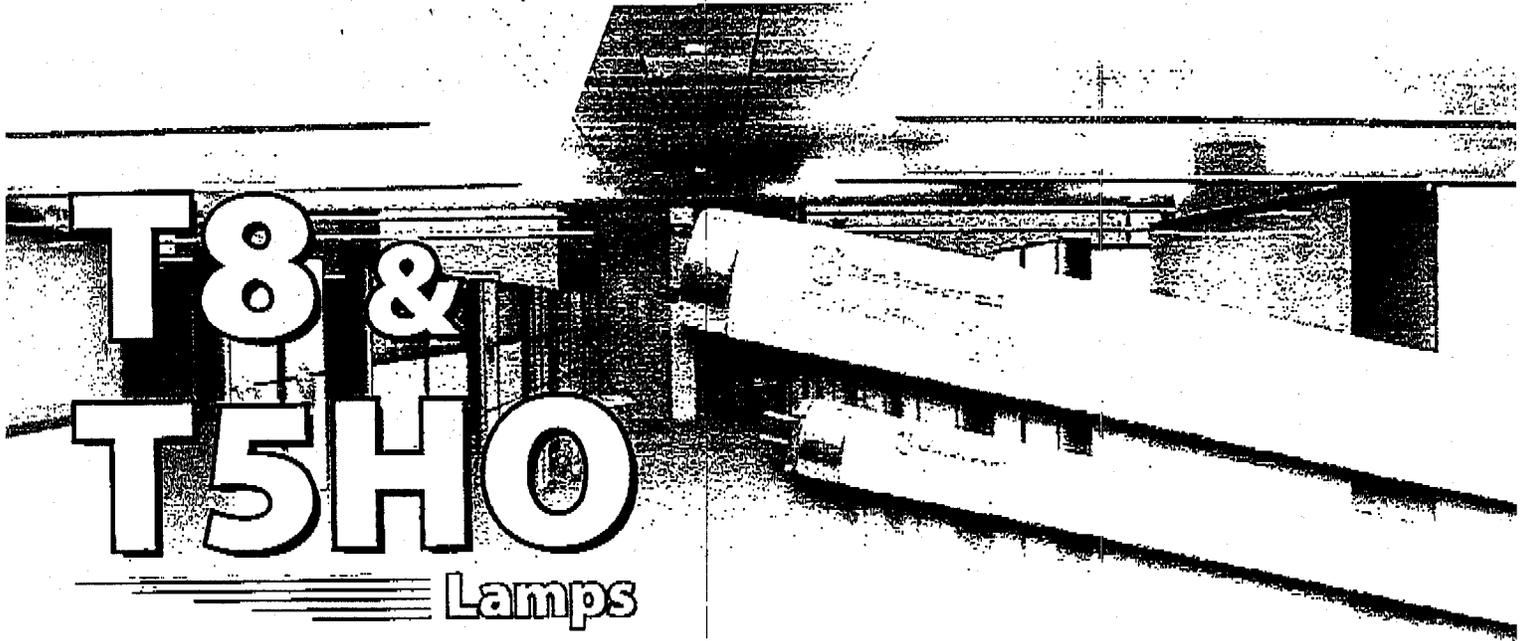
Linear T8 Lamps	Lamp Part Number	Lamp Watts	Lamp Life** (Hours)	Approx. Lumens		CCT (°K)	CRI	Length
				Initial	Mean			
F32T8	F32T8/835	32	24000	2950	2800	3500	84	48
	F32T8/841	32	24000	2950	2800	4100	84	48
	F32T8/850	32	24000	2800	2660	5000	82	48
F32T8 High Lumen	F32T8/835HL	32	24000	3100	2915	3500	84	48
	F32T8/841HL	32	24000	3100	2915	4100	84	48
	F32T8/850HL	32	24000	3000	2820	5000	82	48
F28T8	F28T8/835	28	24000	2725	2590	3500	84	48
	F28T8/841	28	24000	2725	2590	4100	84	48
	F28T8/850	28	24000	2600	2470	5000	82	48
F25T8 (3 FT.)	F25T8/835	25	24000	2225	2050	3500	84	36
	F25T8/841	25	24000	2225	2050	4100	84	36
F17T8 (2 FT.)	F17T8/835	17	24000	1325	1200	3500	84	24
	F17T8/841	17	24000	1325	1200	4100	84	24
U-Bend T8 Lamps								
F32T8 U-Bend 6" Leg	FB32T8/835/6	32	24000	2850	2620	3500	84	22.5
	FB32T8/841/6	32	24000	2850	2620	4100	84	22.5
T5HO Lamps								
F54T5HO*	F54T5HO/835	54	25000	5000	4600	3500	85	48
	F54T5HO/841	54	25000	5000	4600	4100	85	48
	F54T5HO/850	54	25000	4900	4508	5000	85	48

* T5HO data is for 35°C Operation

Specifications Subject to Change Without Notice

** Lamp life rating based on 3 hours per start (T8 - Instant Start, T5HO - Programmed Start)





Maximize the performance of your lighting system with high-quality T8 and T5HO lamps from Universal Lighting Technologies. Ideal for energy-saving retrofit projects, Universal lamps feature high color rendering for natural-looking indoor illumination, plus long lamp life with excellent lumen maintenance. Universal's high efficiency F32T8 lamps, energy saving F28T8 lamps, and high lumen T5HO lamps combine with Universal's family of energy saving ballasts such as **ULTim8***, **DEMANDflex***, and **AccuStart*5** for dramatic energy savings and reliable system performance.

Together, Universal lamps and ballasts enable you to meet your most demanding application requirements with components from a single source. Best of all, Universal's performance and reliability are backed up by the **System Security™** lamp and ballast system warranty.



**Lamp & Ballast
System Warranty**

Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return) Bulbs-N-More Inc.	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification (required): <input type="checkbox"/> Individual/sole proprietor <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Other (see instructions) ▶ _____	
	<input type="checkbox"/> Exempt payee	
Address (number, street, and apt. or suite no.) 1203 RTE 9 SOUTH		Requester's name and address (optional)
City, state, and ZIP code WOODBIDGE, NJ 07095		
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number											
			-				-				

Employer identification number										
8	0		-	0	2	1	2	8	0	3

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶	Date ▶
------------------	----------------------------	--------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.