

FIXTURES

TYPE FB	METALUX PHILIPS	2FC-332A125-UNV*ER81-PAF-G3U W/3 F32T8/TL735/ALTO
TYPE GB	METALUX PHILIPS	2GC-332A125-UNV-ER81-PAF-U W/3 F32T8/TL735/ALTO
TYPE GBE	METALUX PHILIPS	2GC-332A125-UNV-EL-I320-ER81-PAF-U W/3 F32T8/TL735/ALTO
TYPE GC	METALUX PHILIPS	2GC-232A125-UNV-ER81-PAF-U W/2 F32T8/TL735/ALTO
TYPE GD	METALUX PHILIPS	2EP3GX-332S36I-UNV-ER81-PAF-U W/3 F32T8/TL735/ALTO
TYPE MR	SURE-LITES	CX6SR5
TYPE PC	PORTFOLIO PHILIPS	C6042E-6000LI W/1 PL-T 32W/835/4P/ALTO
TYPE PCD	PORTFOLIO PHILIPS	C60422D32-6000LI W/1 PL-T 32W/835/4P/ALTO
TYPE UC	ALKCO PHILIPS	SFHP114 W/1 F14T5/835/ALTO
TYPE XA	SURE-LITES	CX61WH
TYPE Z1	EUREKA PHILIPS	4157XLH CF D 26 277WH W/1 PL-C 26W/835/4P/ALTO
TYPE Z2	FOCAL POINT PHILIPS	FAR22AC2T5E 277 GI WH W/2 F14T5/835/ALTO
TYPE Z3	FOCAL POINT PHILIPS	FAR 11 AC 1 BX 18S 277U WH W/1 PL-L 18W/835/4P

TYPE GB

METALUX
PHILIPS

2GC-332A125-UNV-ER81-PAF-U
W/3 F32T8/TL735/ALTO

Submitting Agency:

 Putterman, Scharck & Associates, Inc.

Description: **2GC-332A125-UNV-ER81-PAF-U**

Project: **VA GI RENOVATION**

Notes:

Type:

GB

COOPER LIGHTING - METALUX®

DESCRIPTION

The GC Series features a 4-3/4" deep para-contoured fixture housing, high reflectivity and optimum lamp to lens spacing. The series produces total uniformity of light in the luminous area and is compatible with all of today's popular ceiling systems and is available with a number of options and accessories for application versatility.

The specification luminaire is designed to offer maximum efficiency and performance for today's unique interior specifications. The GC Series is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

SPECIFICATION FEATURES

A... Construction

4-3/4" deep, para-contoured housing, die formed, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Deep "V" ballast/wireway cover easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy endplates are securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KOs for continuous row wiring. Endplates have integral Grid-Lock feature for safety and convenience.

B... Electrical*

Ballasts are CBM/ETL Class "P" and are positively secured by mounting bolts. Pressure lock lampholders. UL/CUL listed.** Suitable for damp locations.

C... Finish

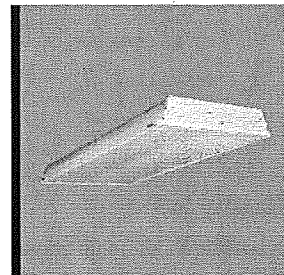
Multistage, iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting grade, baked white enamel finish.

D... Hinging/Latching

Positive cam action spring loaded steel latches with baked white enamel finish. Safety-lock T-hinges allow hinging and latching either side.

E... Frame/Shielding

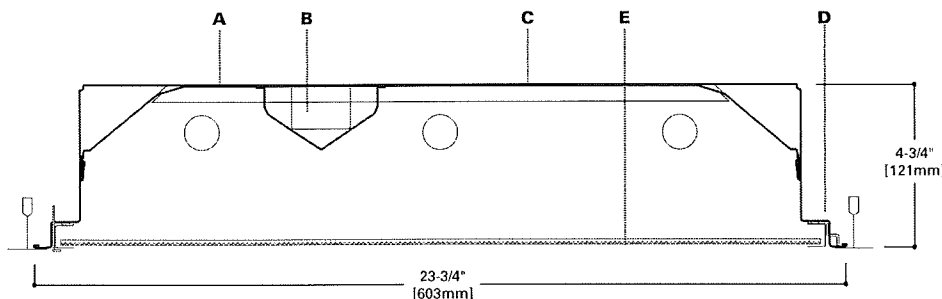
Die formed, heavy gauge, flat steel door with reinforced mitered corners and baked white enamel finish. Positive light seals. Light stabilized 100% virgin acrylic prismatic shielding. Standard #12 pattern. Optional shielding available.



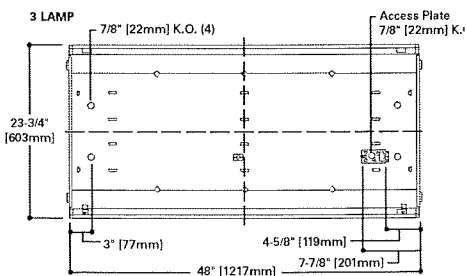
2GC
328T8
332

2' X 4' TROFFER
3 T8 LAMPS

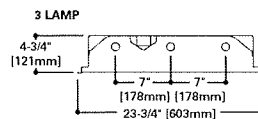
Specification Deep Troffer



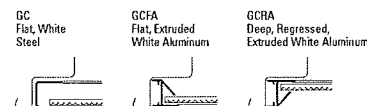
MOUNTING DATA



LAMP CONFIGURATIONS



DOOR FRAMES



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
328T8 (67)
332 (81)

ES Ballast & STD Lamps
328T8 (73)
332 (86)

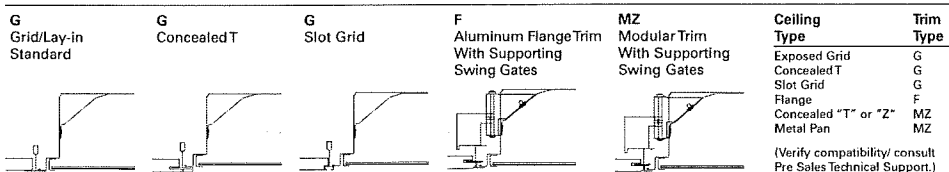
Luminaire Efficacy Rating
LER = FL-67
Catalog Number: 2GC-332A

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.58

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

**Consult Pre Sales Technical Support.

CEILING COMPATIBILITY



COOPER LIGHTING

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT

Safe and convenient means of disconnecting power.

ADF081852



Submitting Agency:

 Putterman, Scharck & Associates, Inc.

Description: **2GC-332A125-UNV-ER81-PAF-U**

Project: **VA GI RENOVATION**

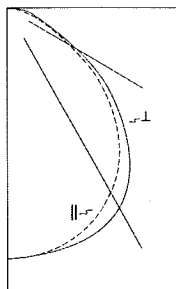
Notes:

Type:

GB

2GC 2' x 4' 3LT8

PHOTOMETRICS



Coefficients of Utilization

rc	Effective floor cavity reflectance																																									
	80%							70%							50%							30%							10%							0%						
	rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
0	92	92	92	92	90	90	90	90	86	86	86	82	82	82	79	79	79	77	77	77	74	72	70	71	70	68	67															
1	85	82	79	76	83	80	77	75	77	75	73	74	72	70	71	70	68	67	67	67	66	63	61	64	61	59	58															
2	78	73	68	64	76	71	67	63	69	65	62	66	63	61	64	61	59	58	58	58	55	52	50	52	50	48	47															
3	72	65	59	55	70	64	59	55	62	57	54	60	56	53	58	55	52	50	50	50	47	44	42	43	41	40	39															
4	67	58	52	47	65	57	51	47	55	50	46	54	49	46	52	48	45	44	44	44	41	38	36	37	35	34	33															
5	61	52	45	41	60	51	45	40	49	44	40	48	43	40	47	42	39	38	38	38	35	32	30	31	29	28	27															
6	56	47	40	36	55	46	40	35	45	39	35	43	38	35	42	38	34	33	33	33	30	27	25	26	24	23	22															
7	56	42	36	31	51	41	35	31	40	35	31	39	34	30	38	34	30	29	29	29	26	23	21	22	20	19	18															
8	48	38	31	27	47	37	31	27	36	31	27	35	30	27	34	30	26	25	25	25	22	19	17	18	16	15	14															
9	44	34	28	23	43	33	27	23	33	27	23	32	27	23	31	26	23	21	21	21	18	15	13	14	12	11	10															
10	41	31	25	21	40	30	25	21	30	24	20	29	24	20	28	24	20	19	19	19	16	13	11	12	10	9	8															

Candela

Angle	Along II	45°	Across I
0	2476	2476	2476
5	2459	2473	2481
10	2429	2456	2478
15	2379	2425	2463
20	2306	2374	2426
25	2209	2300	2363
30	2087	2197	2272
35	1935	2060	2145
40	1743	1874	1958
45	1504	1627	1717
50	1238	1352	1442
55	984	1081	1147
60	765	826	861
65	573	590	610
70	409	386	427
75	278	252	317
80	183	183	236
85	96	111	134
90	0	0	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1978	23.5	30.5
0-40	3258	38.8	50.3
0-60	5465	65.1	84.3
0-90	6482	77.2	100.0
0-180	6482	77.2	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	64	68	62	66
30 x 30	60	62	57	60
30 x 60	53	55	48	51
60 x 30	62	65	61	64
60 x 60	53	56	50	52

2GC-332A
Electronic Ballast
F32T8/35K Lamps
2800 Lumens

Spacing criterion:
(II) 1.2 x mounting height, (I) 1.3 x mounting height

Efficiency 77.2%

Test Report:
2GC332A.IES

LER = FL-67

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$3.58

ORDERING INFORMATION

SAMPLE NUMBER: 2GC-332A-UNV-EB81-U

SW

<p>Rating Blank=Standard NY=New York Rated ATW-SW4=Chicago Rated</p> <p>Width 2=2" Width</p> <p>Trim Type G=Grid/Lay-in (Standard)⁽¹⁾ G=Concealed T G=Slot Grid F=Aluminum Flange Trim⁽⁶⁾ MZ=Modular Trim EMZ=Modular Trim (Extended Swing Arm)</p> <p>Series C=Specification Deep Troffer</p> <p>Door Frame Standard=Flat White Steel Door (Leave Blank) FA=Flush White Extruded Aluminum c/w Spring Latch RA=Regressed White Extruded Aluminum (3/8") FAN=Flush Natural Anodized Extruded Aluminum RAN=Regressed Natural Anodized Extruded Aluminum (3/8") FAB=Flush Black Extruded Aluminum RAB=Regressed Black Extruded Aluminum (3/8")</p>	<p>Number of Lamps⁽²⁾ 3=3 Lamps</p> <p>Wattage 28T8=28W T8 (48")⁽⁴⁾ 32=32W T8 (46")</p> <p>Shielding A=#12 Acrylic Pattern A125=#12 Pattern Acrylic (.125" Thickness) A19/156=#19 Pattern Acrylic (.156" Thickness) DA=Dropped Dish Matte White Acrylic IMA48=Injection Molded Acrylic (.150" Thickness) PB1S=1/2" x 1/2" x 1/2" Silver Parabolic Louver (Styrene)</p> <p>Option - Aluminum Flange Trim⁽⁶⁾ Blank=SW (Single White) Type Color 'S' Single 'N' Natural 'R' In Row 'W' White 'E' End of Row</p> <p>Voltage⁽²⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277⁽⁸⁾</p>	<p>Options GL=Single Element Fuse GM=Double Element Fuse Flex=Flex Installed (Reference Flex ordering information) EL=Emergency Installed⁽⁵⁾</p> <p>Lamps Installed Blank=No Lamps Installed L8835=T8 Lamp, 28W and 32W, 3500K⁽⁴⁾ L8841=T8 Lamp, 28W and 32W, 4100K⁽⁴⁾ L8835HL=T8 Lamp, 32W, 3500K, 3100 Lumens L8841HL=T8 Lamp, 32W, 4100K, 3100 Lumens</p> <p>Ballast Type⁽³⁾ EB8 =T8 Electronic Instant Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 EB8_/PLUS =T8 Electronic Instant Start. High Ballast Factor >1.13. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 ER8 =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 HPT8 Ballast HB8_L=T8 Electronic Instant Start. Low Ballast Factor .77 HB8_=T8 Electronic Instant Start. Ballast Factor .88 HB8_N=T8 Electronic Instant Start. Normal Ballast Factor 1.0 HB8_H=T8 Electronic Instant Start. High Ballast Factor 1.15-1.2 HR8_DIM=T8 Electronic Program Start Step Dimming. Ballast Factor .88 HR8_L=T8 Electronic Program Start. Low Ballast Factor .77 HR8_=T8 Electronic Program Start. Ballast Factor .88 HR8_H=T8 Electronic Program Start. High Ballast Factor 1.15-1.2</p>	<p>Options RLS=Rotor Lock Socket (T8 Lamp only) RIF1=Radio Interference Suppressor 20GA/REP=20 Gauge Housing w/Riveted End Plate PAF=Painted After Fabrication</p> <p>Packaging U=Unit Pack PAL=Palletized Uncartoned Fixtures PALC=Palletized Fixtures in Carton</p> <p>ACCESSORIES EQ-CLIP-U=T-BAR Safety Earthquake Clips⁽¹⁾</p>
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NOTES: ⁽¹⁾An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. ⁽²⁾Products also available in non-US voltages and frequencies for international markets. ⁽³⁾Not available when specifying emergencies, voltage must be specific. ⁽⁴⁾When utilizing 28W T8 lamps, HPT8 Ballast must be specified. ⁽⁵⁾Fixtures equipped with "EL" option may require a 5-1/2" housing depth. If installing in field, must use low profile battery pack. ⁽⁶⁾Specify row configuration, type in catalog number when ordering complete fixture. ⁽⁷⁾Standard off-center ballast on 3-lamp fixtures.

For complete product data, reference the Fluorescent Specification binder. Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

SHIPPING INFORMATION

Catalog No.	Wt.
2GC-328T8A	31 lbs.
2GC-332A	31 lbs.

TYPE GB

PHILIPS ADVANCE

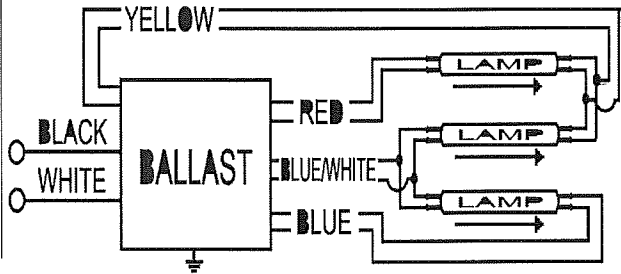
IOP-3S32-SC@277V

Brand Name	OPTANIUM
Ballast Type	Electronic
Starting Method	Programmed Start
Lamp Connection	Series/Parallel
Input Voltage	120-277
Input Frequency	50/60 HZ
Status	Active

Electrical Specifications

Lamp Type	Num. of Lamps	Rated Lamp Watts	Min. Start Temp (°F/C)	Input Current (Amps)	Input Power (ANSI Watts)	Ballast Factor	MAX THD %	Power Factor	MAX Lamp Current Crest Factor	B.E.F
F17T8	3	17	0/-18	0.16	43	0.89	10	0.96	1.5	2.07
F25T8	3	25	0/-18	0.23	64	0.88	10	0.97	1.4	1.38
* F32T8	3	32	0/-18	0.30	81	0.88	10	0.98	1.4	1.09
F32T8/ES (25W)	3	25	60/16	0.25	66	0.89	10	0.97	1.4	1.35
F32T8/ES (28W)	3	28	60/16	0.26	71	0.89	10	0.97	1.4	1.25
F32T8/ES (30W)	3	30	60/16	0.28	76	0.88	10	0.98	1.4	1.16

Wiring Diagram

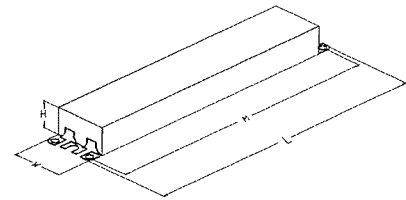


The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

	in.	cm.		in.	cm.
Black	25	63.5	Yellow/Blue		0
White	25	63.5	Blue/White	36	91.4
Blue	46	116.8	Brown		0
Red	36	91.4	Orange		0
Yellow	36	91.4	Orange/Black		0
Gray		0	Black/White		0
Violet		0	Red/White		0

Enclosure



Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
9.50 "	1.7 "	1.18 "	8.90 "
9 1/2	1 7/10	1 9/50	8 9/10
24.1 cm	4.3 cm	3 cm	22.6 cm

Revised 03/03/2010



Data is based upon tests performed by Philips Lighting Electronics N.A. in a controlled environment and is representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

PHILIPS LIGHTING ELECTRONICS N.A.

10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018

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Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

PHILIPS ADVANCE

IOP-3S32-SC@277V	
Brand Name	OPTANIUM
Ballast Type	Electronic
Starting Method	Programmed Start
Lamp Connection	Series/Parallel
Input Voltage	120-277
Input Frequency	50/60 HZ
Status	Active

Electrical Specifications

Notes:

Section I - Physical Characteristics

- 1.1 Ballast shall be physically interchangeable with standard electromagnetic or standard electronic ballasts, where applicable.
- 1.2 Ballast shall be provided with integral leads color-coded per ANSI C82.11.

Section II - Performance

- 2.1 Ballast shall be _____ (Instant or Programmed) Start.
- 2.2 Ballast shall provide Independent Lamp Operation (ILO) for Instant Start or Programmed Start Parallel ballasts allowing remaining lamp(s) to maintain full light output when one or more lamps fail.
- 2.3 Ballast shall contain auto restart circuitry in order to restart lamps without resetting power.
- 2.4 Ballast shall operate from 50/60 Hz input source of _____ (120V through 277V or 347V) with sustained variations of +/- 10% (voltage and frequency).
- 2.5 Ballast shall be high frequency electronic type and operate lamps at a frequency between 42 kHz and 52 kHz to avoid interference with infrared devices, eliminate visible flicker and avoid Article Surveillance System, such as anti-theft devices.
- 2.6 Ballast shall have a Power Factor greater than 0.98 for primary lamp.
- 2.7 Ballast shall have a minimum ballast factor for primary lamp application as follows: 0.77 for Low Watt, 0.87 for Normal Light Output, and 1.18 for High Light for Instant Start ballasts or 0.71 for Low Watt and 0.88 for Normal Light Output for Programmed Start ballasts.
- 2.8 Ballast shall provide for a Lamp Current Crest Factor of 1.7 or less.
- 2.9 Ballast input current shall have Total Harmonic Distortion (THD) of less than 10% when operated at nominal line voltage with primary lamp.
- 2.10 Ballast shall have a Class A sound rating for all 4-foot lamps and smaller.
- 2.11 Ballast shall have a minimum starting temperature of -29C (-20F) on Instant Start ballasts or -18C (0F) on Programmed Start ballasts for standard T8 lamps and 16C (60F) for energy-saving T8 lamps. Consult lamp manufacturer for temperature versus light output characteristics.
- 2.12 Ballast shall tolerate sustained open circuit and short circuit output conditions.
- 2.13 Ballast shall have lamp striation-reduction circuitry.
- 2.14 Programmed Start ballast shall provide lamp EOL protection circuitry.
- 2.15 Maximum distance for Energy Saving Lamps in Remote/Tandem wiring applications shall be 6 feet for Instant Start and Programmed Start models.

Section III - Regulatory

- 3.1 Ballast shall not contain any Polychlorinated Biphenyl (PCB).
- 3.2 Ballast shall be Underwriters Laboratories (UL) listed, Class P and Type 1 Outdoor; and Canadian Standards Association (CSA) certified where applicable.
- 3.3 Ballast shall comply with ANSI C62.41 Category A for Transient protection.
- 3.4 Ballast shall comply with ANSI C82.11 where applicable.
- 3.5 Ballast shall comply with applicable requirements of the Federal Communications Commission (FCC) rules and regulations, Title 47 CFR part 18, for Non-Consumer equipment.
- 3.6 Ballast shall meet NEMA Premium/CEE High Performance T8 Lighting System Specifications.
- 3.7 IOP or GOP ballast shall comply with UL Type CC rating.
- 3.8 Ballast shall comply with NEMA 410 for in-rush current limits.
- 3.9 Ballast shall meet RoHS Compliance Standards

Section IV - Other

- 4.1 Ballast shall be manufactured in an ISO 9001 Qualified factory.
- 4.2 Ballast shall carry a five-year warranty from date of manufacture against defects in material or workmanship, including replacement, for operation at a maximum case temperature of 70C. Ballasts with a "90C" designation in their catalog number shall also carry a three-year warranty at maximum case temperature of 90C.
- 4.3 Manufacturer shall have a twenty-year history of producing electronic ballasts for the North American market.
- 4.4 Energy-saving T8 lamps (25W, 28W or 30W) may experience lamp striations if operated on ballasts not rated for their use.

Revised 03/03/2010



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Philips Universal T8 Lamps featuring ALTO® Lamp Technology

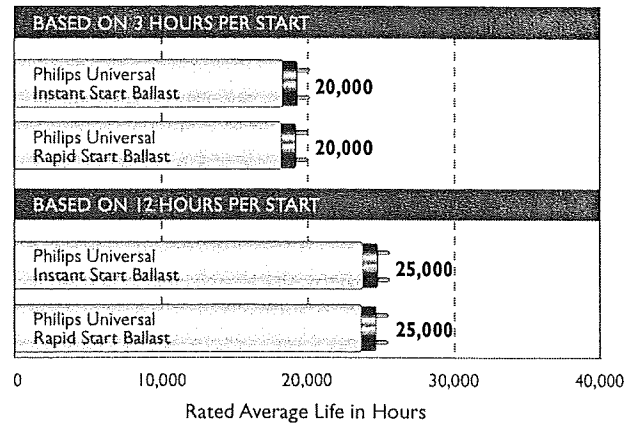
Philips Exclusive Universal Design: The only T8 lamps to deliver full rated average life on all T8 ballast types (Instant Start, Rapid Start, Programmed Start and Hybrid ballasts)

Outstanding Lumen Maintenance: HI-VISION® Phosphor combined with Philips exclusive cathode guard delivers 95% lumen maintenance and reduced lamp-end blackening

Enhanced CRI: 85 CRI for TL80 lamps; 78 CRI for TL70 lamps

Ideal for: Any application requiring maximum quality of light and maintained light output

Philips Universal T8 Lamp Rated Average Life



Philips Universal T8 Warranty Period: 24 months



Nom. Lamp Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.*	Description	Nom. Length (In.)	Rated Avg. Life, Hrs.		Approx. Initial Lumens (203, 204)	Design Lumens (208)	CRI
							3-Hr. Start (202)	12-Hr. Start (241)			
Universal T8 Fluorescent Lamps T8 Medium Bipin											
17	36787-0	\$	F17T8/TL830/ALTO	25	TL 830, 3000K	24	20,000	25,000	1400	1300	85
	36791-2	\$	F17T8/TL835/ALTO	25	TL 835, 3500K	24	20,000	25,000	1400	1300	85
	36793-8	\$	F17T8/TL841/ALTO	25	TL 841, 4100K	24	20,000	25,000	1400	1300	85
	14123-4	\$	F17T8/TL850/ALTO	25	TL 850, 5000K	24	20,000	25,000	1400	1300	85
	36807-6	\$	F17T8/TL730/ALTO	25	TL 730, 3000K	24	20,000	25,000	1325	1200	78
	36808-4	\$	F17T8/TL735/ALTO	25	TL 735, 3500K	24	20,000	25,000	1325	1200	78
	36812-6	\$	F17T8/TL741/ALTO	25	TL 741, 4100K	24	20,000	25,000	1325	1200	78
25	36813-4	\$	F25T8/TL830/ALTO	25	TL 830, 3000K	36	20,000	25,000	2225	2050	85
	36814-2	\$	F25T8/TL835/ALTO	25	TL 835, 3500K	36	20,000	25,000	2225	2050	85
	36825-8	\$	F25T8/TL841/ALTO	25	TL 841, 4100K	36	20,000	25,000	2225	2050	85
	14124-2	\$	F25T8/TL850/ALTO	25	TL 850, 5000K	36	20,000	25,000	2225	2050	85
	36826-6	\$	F25T8/TL730/ALTO	25	TL 730, 3000K	36	20,000	25,000	2125	1925	78
	36828-2	\$	F25T8/TL735/ALTO	25	TL 735, 3500K	36	20,000	25,000	2125	1925	78
	36829-0	\$	F25T8/TL741/ALTO	25	TL 741, 4100K	36	20,000	25,000	2125	1925	78
32	24667-8	ⓔ \$	F32T8/TL830/ALTO	25	TL 830, 3000K	48	20,000	25,000	2950	2800	85
	27236-9	ⓔ \$	F32T8/TL830/ALTO PLZ	1350	TL 830, 3000K	48	20,000	25,000	2950	2800	85
	24670-2	ⓔ \$	F32T8/TL835/ALTO	25	TL 835, 3500K	48	20,000	25,000	2950	2800	85
	27233-6	ⓔ \$	F32T8/TL835/ALTO PLZ	1350	TL 835, 3500K	48	20,000	25,000	2950	2800	85
	24671-0	ⓔ \$	F32T8/TL841/ALTO	25	TL 841, 4100K	48	20,000	25,000	2950	2800	85
	27235-1	ⓔ \$	F32T8/TL841/ALTO PLZ	1350	TL 841, 4100K	48	20,000	25,000	2950	2800	85
	27229-4	ⓔ \$	F32T8/TL850/ALTO	25	TL 850, 5000K	48	20,000	25,000	2950	2800	85
	27252-6	ⓔ \$	F32T8/TL730/ALTO	25	TL 730, 3000K	48	20,000	25,000	2800	2660	78
	27282-3	ⓔ \$	F32T8/TL730/ALTO PLZ	1350	TL 730, 3000K	48	20,000	25,000	2800	2660	78
	27249-2	ⓔ \$	F32T8/TL735/ALTO	25	TL 735, 3500K	48	20,000	25,000	2800	2660	78
	27259-1	ⓔ \$	F32T8/TL735/ALTO PLZ	1350	TL 735, 3500K	48	20,000	25,000	2800	2660	78
	27248-4	ⓔ \$	F32T8/TL741/ALTO	25	TL 741, 4100K	48	20,000	25,000	2800	2660	78
	38351-3	ⓔ \$	F32T8/TL741/ALTO	10	TL 741, 4100K, 1OPK	48	20,000	25,000	2800	2660	78
	27255-9	ⓔ \$	F32T8/TL741/ALTO PLZ	1350	TL 741, 4100K	48	20,000	25,000	2800	2660	78
	27268-2	ⓔ \$	F32T8/TL750/ALTO	25	TL 750, 5000K	48	20,000	25,000	2700	2550	78

For the most current product information, go to the e-catalog on www.philips.com

Fluorescent symbols and footnotes located on page 87

ⓔ This product utilizes ALTO® Lamp Technology

*The TCLP is the US EPA's Toxicity Characteristic Leaching Procedure.