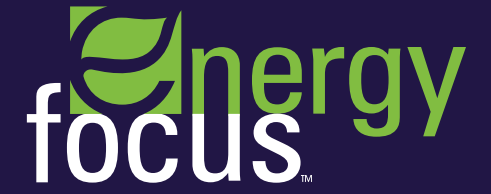


Intellitube™ LED Replacement Lamp Fixture Reference Guide

EFO-X024 • Replaceable for the following SYM #'s:

SYM	SLANT	DESCRIPTION	LAMPS PER FIXTURE
SYM-331.1-01	/8	General lighting, standard mount (single, diffusing)	1
SYM-331.2-01	/8	General lighting, flush mount (single, diffusing)	1
SYM-347.2-01	/8	General lighting, standard mount (single, prismatic)	1
SYM-347.3-01	/8	General lighting, flush mount (single, prismatic)	1
SYM-331.1-01-EM	/73	General lighting, standard mount, EM (single, diffusing)	1
SYM-331.2-01-EM	/73	General lighting, flush mount, EM (single, diffusing)	1
SYM-347.2-01-EM	/73	General lighting, standard mount, EM (single, prismatic)	1
SYM-347.3-01-EM	/73	General lighting, single, flush, Pris, EM (single, prismatic)	1
SYM-77.4-01	/11	General lighting, standard mount (double, diffusing)	2
SYM-77.4-RW	/11	General lighting, standard mount (double, diffusing, R&W)	2
SYM-77.5-01	/11	General lighting, flush mount (double, diffusing)	2
SYM-77.5-RW	/11	General lighting, flush mount (double, diffusing, R&W)	2
SYM-344.2-01	/11	General lighting, standard mount (double, prismatic)	2
SYM-344.3-01	/11	General lighting, flush mount (double, prismatic)	2
SYM-344.3-RW	/11	General lighting, flush mount (double, prismatic, R&W)	2
SYM-77.4-01-EM	/74	General lighting, standard mount, EM (double, diffusing)	2
SYM-77.4-RW-EM	/74	General lighting, standard mount, EM (double, diffusing, R&W)	2
SYM-77.5-01-EM	/74	General lighting, flush mount, EM (double, diffusing)	2
SYM-77.5-RW-EM	/74	General lighting, flush mount, EM (double, diffusing, R&W)	2
SYM-344.2-01-EM	/74	General lighting, standard mount (double, prismatic)	2
SYM-344.3-01-EM	/74	General lighting, flush mount (double, prismatic)	2
SYM-333.1-01	/12	General lighting, standard mount (triple, diffusing)	3
SYM-333.1-RW	/12	General lighting, standard mount (triple, diffusing, R&W)	3
SYM-333.2-01	/12	General lighting, flush mount (triple, diffusing)	3
SYM-333.2-RW	/12	General lighting, flush mount (triple, diffusing, R&W)	3
SYM-341.1-03	/12	General lighting, standard mount (triple, Louver)	3
SYM-341.2-03	/12	General lighting, flush mount (triple, Louver)	3
SYM-342.2-01	/12	General lighting, standard mount (triple, prismatic)	3
SYM-342.3-01	/12	General lighting, flush mount (triple, prismatic)	3
SYM-342.3-RW	/12	General lighting, flush mount (triple, prismatic, R&W)	3
SYM-342.2-03-EM	/75	General lighting, standard mount, EM (triple, prismatic)	3
SYM-342.3-03-EM	/75	General lighting, flush mount, EM (triple, prismatic)	3
SYM-342.3-RW-EM	/75	General lighting, flush mount, EM (triple, prismatic, R&W)	3
SYM-333.1-01-EM	/75	General lighting, standard mount, EM (triple, diffusing)	3
SYM-333.1-RW-EM	/75	General lighting, standard mount, EM (triple, diffusing, R&W)	3
SYM-333.2-01-EM	/75	General lighting, standard mount, EM (triple, diffusing)	3
SYM-333.2-RW-EM	/75	General lighting, standard mount, EM (triple, diffusing, R&W)	3

INTELLITUBE™ LED Replacement 24" T12 LED Lamp



MIL-16377 (SSL) for Navy Standard Symbol #MIL-DTL-16377/8, /11, /12, /57, /73, /74 & /75



The only LED replacement lamp approved by the US Navy

NSN# 6240-01-610-2124



The LED Company with a Brighter Vision

The Intellitube™ is unique due to its sophisticated design with a power-recognizing intelligence, functioning in sockets with a variety of fluorescent ballasts, or with line voltage alone. Once connected, this lamp is able to read the input current and input voltage. It makes a decision as to which ballast it is connected to; remove the ballast, and this independent LED lamp will stay powered. Furthermore, the Intellitube's T12 NEALS emergency ballasts are able to detect a battery in case of a power outage; it will continue to run flawlessly.

LED TECHNOLOGY SURPASSES FLUORESCENTS IN MULTIPLE AREAS:

- Conveniently “snaps” into legacy, unmodified lighting fixtures
- Increased levels of lumen output
- Lower power consumption
- Significantly longer lifespan
- Safer, containing no mercury
- No fluorescent buzzing or flickering
- Low maintenance costs
- Rapid return on investment

In the last half century, the Navy has made great strides in the development and implementation of the most modern technology. One aspect that has fallen behind is shipboard lighting. The majority of the US Navy's shipboard lighting is outdated fluorescent technology. Upgrading to modern sophisticated LED technology is pivotal as the US Navy moves forward.



Energy Focus has earned “Military Tough” credibility with its military and commercial customers. These products will not fail, even under the stress of very demanding environments. Energy Focus solutions provide energy savings, aesthetics, safety and maintenance cost benefits over conventional lighting. Energy Focus' long-standing relationship with the U.S. Government includes numerous research and development projects for the DOE and DARPA, creating energy efficient LED lighting systems for the U.S. Navy fleet. The Intellitube is also “Buy American Act” and “Trade Agreements Act” compliant, as it is proudly made in the USA.



NSN# 6240-01-610-2124

TOMORROW'S LIGHT IS HERE TODAY.



MIL-16377 (SSL) for Navy Standard Symbol # MIL-DTL-16377/8, /11, /12, /57, /73, /74 & /75

NSN#: 6240-01-610-2124
FUNCTION: United States Navy
APPLICATION: General Lighting

Specifications

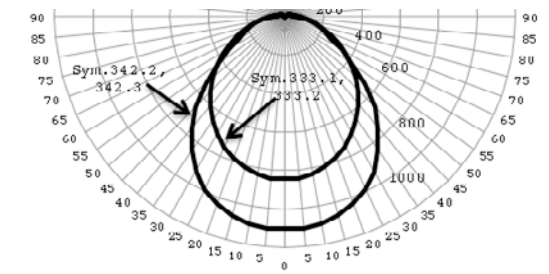
The Energy Focus brand EFO-X024 SSL luminaire is a form, fit and function replacement for F20T12 and F17T12 fluorescent lamps applied to legacy MIL-DTL-16377 fluorescent fixtures including M16377/8, /11, /12, /57, /73, /74 & /75. Direct Replacement anywhere A-A-50597 is used and also anywhere NSN 6240-00-152-2996 is used.

FEATURES

- Military tough yet lightweight
- Does not require a starter
- Is not dependent on a ballast
- Chassis is sealed in Polymer Body & compatible with multiple colored filter sleeves
- Sockets fit into any ANSI G-13 Medium BiPin Base

- LUMEN OUTPUT** 1,100
- WATTAGE** 10.8W
- EFFICACY** 102 lp/W
- CRI** 80
- CCT** 4100 +/- 297
- LAMP LIFE** 50,000 hours to 70% lumen maintenance
- INPUT VOLTAGE** 115 VAC (compatible with standard fluorescent)
- CHASSIS** Unibody aluminum
- LENS** Polycarbonate
- WEIGHT** 460g
- LED DRIVER FIELD** Replaceable
- LED ARRAY FIELD** Replaceable
- DRIVER** Constant current electronic driver
- OPERATING RANGE** -25c to 50c
- MIL QUALIFICATION** Passed
- ENCLOSURE TYPE** T12 LED Lamp
- DIMENSIONS** 1.5" diameter x 24" length

Candlepower



ANGLE	SYMBOL NUMBER	
	333.1, 333.2	342.2, 342.3
0	845	1092
5	844	1098
10	830	1083
15	809	1060
20	782	1031
25	748	984
30	705	926
35	656	845
40	604	750
45	547	663
50	490	540
55	431	421
60	371	339
65	312	262
70	254	221
75	196	184
80	148	146
85	110	112
90	76	81
95	50	56
100	37	40
105	33	35
110	28	32
115	24	31
120	20	25
125	17	20

DESCRIPTION	NSN#	EFO SKU	TO ORDER
LED Replacement Lamp, 24", T12, 10.8W, 4100K	EFO-X024	6240-01-610-2124	440.715.1300 navy@efoi.com