

**LZ2N SERIES • LIGHTING**  
**NON-METALLIC FLUORESCENT**

**L159**



4' Nominal Style



2' Nominal Style

**Class I, Div. 2 Groups A,B,C,D**  
**Class I, Zones 2, Groups IIC,IIB,IIA**  
**Class II, Div. 1 & 2, Groups F,G**  
**AEx nAll, Ex nAll**  
**Wet Locations**  
**NEMA 4X, IP66**

Certified - File LR11713

**ABS** Type Approval  
**NSF** Food Handling

**FEATURES-SPECIFICATIONS**

LZ2N, LZ2NE NON-METALLIC			
NUMBER OF LAMPS/WATTS	VOLTAGE AC 60 Hz	DESCRIPTION	LZ2N
<b>BIAXIAL LAMP TYPE FIXTURES</b>			
1-40W	120-277V	2' 1-Lamp Biaxial Electronic 50/60 Hz 0°F Start 4-Pin	<b>LZ2N40130</b>
2-40W	120-277V	2' 2-Lamp Biaxial Electronic 50/60 Hz 0°F Start 4-Pin	<b>LZ2N40230</b>
4-40W	120-277V	4' 4-Lamp Biaxial Electronic 50/60 Hz 0°F Start 4-Pin	<b>LZ2N40430</b>
<b>DOUBLE-ENDED LAMP TYPE FIXTURES</b>			
2-28W	120-277V 50-60 Hz	4' 2-Lamp T-5 Electronic 0°F Start Miniature Bi-Pin	<b>LZ2N28230</b>
3-28W	120-277V 50-60 Hz	4' 3-Lamp T-5 Electronic 0°F Start Medium Bi-Pin	<b>LZ2N28330</b>
2-32W	120-277V 347V	4' 2-Lamp T-8 Electronic 50/60 Hz 0°F Start Medium Bi-Pin	<b>LZ2N32230</b> <b>LZ2N32215</b>
3-32W	120-277V 347V	4' 3-Lamp T-8 Electronic 50/60 Hz 0°F Start Miniature Bi-Pin	<b>LZ2N32330</b> <b>LZ2N32315</b>
2-40W	120V 277V 230V 50 Hz	4' 2-Lamp T-12 Electronic Medium Bi-Pin Start 50°F 40W/60°F 34W	<b>LZ2N40201</b> <b>LZ2N40204</b> <b>LZ2N40208</b>
2-44W	120V 277V	4' 2-Lamp T-8 Electronic -20°F Start High Output Recessed Double Contact	<b>LZ2N44201</b> <b>LZ2N44204</b>
2-60W	120V 277V	4' 2-Lamp T-12 Electronic -20°F Start High Output Recessed Double Contact	<b>LZ2N60201</b> <b>LZ2N60204</b>

For optional fused ballasts, add to catalog number F1 for 120V, F4 for 277V, F8 for 230V. Fusing not for marine or Canadian use. Lamps not included. See optional mounting accessories on following page.

REPLACEMENT BATTERY UNIT
KFBP7

EMERGENCY LUMEN CHART	
LAMPS	INITIAL LUMENS
1 X 40W BIAxIAL	625
2 X 32W	850
2 X 40W	610
1 X 44W	700
1 X 60W	780

LZ2N <sup>①</sup>					
NUMBER OF LAMPS/WATTS	VOLTAGE	LINE CURRENT AMPS		INPUT WATTS	STARTING TEMPERATURE
1 X 40W BIAxIAL	120-277V	.35 (120V)	.15 (277V)	39	0°F (-18°C)
2 X 40W BIAxIAL	120-277V	.60 (120V)	.28 (277V)	78	0°F (-18°C)
4 X 40W BIAxIAL	120-277V	1.32 (120V)	.56 (277V)	156	0°F (-18°C)
2 X 28W	120-277V	.55 (120V)	.23 (277V)	66	0°F (-18°C)
3 X 28W	120-277V	.83 (120V)	.35 (277V)	99	0°F (-18°C)
2 X 32W	120-277V	.54 (120V)	.24 (277V)	65	0°F (-18°C)
3 X 32W	120-277V	.71 (120V)	.31 (277V)	85	0°F (-18°C)
2 X 40W	120-277V	.62 (120V)	.24 (277V)	71	50°F (10°C)
2 X 44W	120-277V	.84 (120V)	.36 (277V)	99	-20°F (-29°C)
2 X 60W	120-277V	1.13 (120V)	.48 (277V)	125	-20°F (-29°C)

① Includes normal powered LZ2NE models.





4' Nominal Style



2' Nominal Style

**Class I, Div. 2 Groups A,B,C,D**  
**Class I, Zones 2, Groups IIC, IIB, IIA**  
**Class II, Div. 1 & 2, Groups F,G**  
**AEx nAll, Ex nAll**  
**Wet Locations**  
**NEMA 4X, IP66**

Certified - File LR11713

**ABS Type Approval**  
**NSF Food Handling**

### FEATURES-SPECIFICATIONS

## LINEARLITE® \*

\* marca registrada MEXICO

#### Applications

LINEARLITE® rugged Non-Metallic fluorescent fixtures are suitable for wet, harsh and hazardous locations. Use where enclosed and gasketed fixtures are required to withstand exposure to moisture, dust and corrosives. The LZ2N Series can also be used in Class I, Division 2 and Zone 2 hazardous vapors and in Class II areas where combustible dusts may exist. Typical areas used are in refineries, chemical plants, waste water & sewage treatment facilities, as well as in tunnels, food processing and coastal areas.

**ABS** (American Bureau of Shipping) type approval for use on decks, vessels, platforms, barges, ships and boats. Also suitable for docks and marinas.

#### Features

- NEMA 4 & IP66 rated enclosure
- Housing-one piece fiberglass reinforced polyester
- Lense-Clear Lexan® impact resistant polycarbonate
- Two 3/4" NTP aluminum hubs - one at each end (includes one 3/4" close-up plug and two 3/4" x 1/2" reducers for maximum user flexibility)
- Two 1/4"-20 aluminum bushings furnished in top of fixture for threaded rod

Lexan® is a registered trademark of General Electric

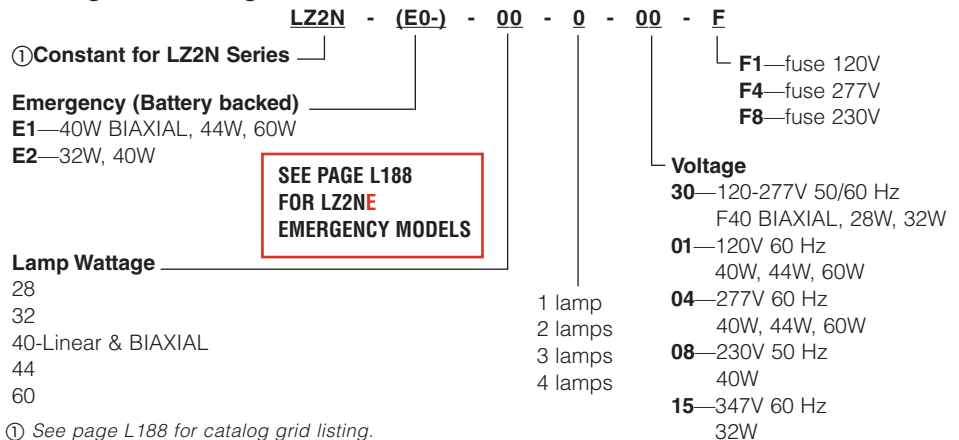
#### Product Range

- 2' and 4' luminaries
- Lamp types-  
 Linear 28W, 32W, 40W, 60W  
 Long compact 40W (single ended)
- Emergency battery-backed
- Electronic ballast standard
- World voltage (most models) 120 thru 277V, 50/60 Hz



Quick release diffuser clamp and hinged cover requires no special tools.

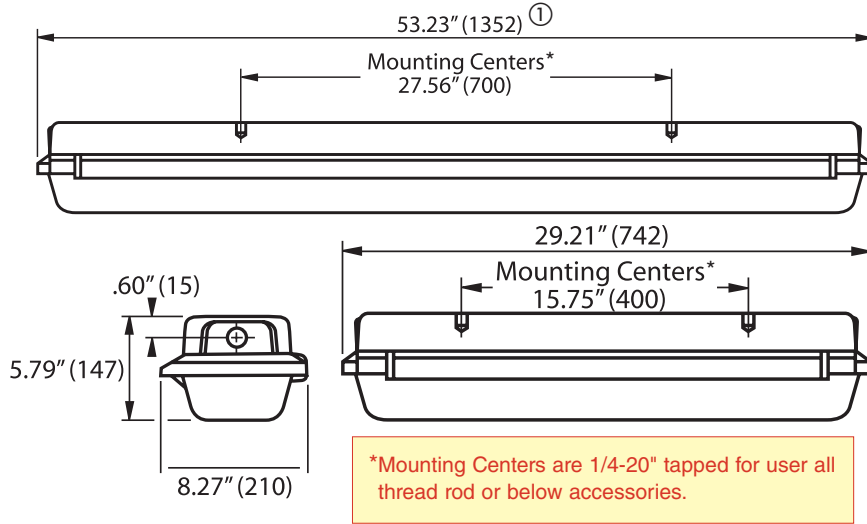
#### Catalog Number Logic



LZ2N, LZ2NE HAZARDOUS LOCATION APPLICATION DATA										
NUMBER OF LAMPS/WATTS	RATED AMBIENT °C	SUITABLE FOR °C SUPPLY WIRE	CLASS I, DIV. 2 MAX. SURFACE TEMP.			CLASS II, DIV. 1 & 2 MAX. SURFACE TEMP.			CLASS III DIV. 1 & 2 SUITABILITY	NEMA 4X IP66
			TEMP.	T-CODE	GROUPS	TEMP.	T-CODE	GROUPS		
1 X 40W BIAxIAL	40°	60	100°C	T5	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 40W BIAxIAL	40°	60	100°C	T5	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
4 X 40W BIAxIAL	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 28W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
3 X 28W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 32W	40°	75	85°C	T6	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
3 X 32W	40°	75	85°C	T6	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 40W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 44W	40°	60	100°C	T5	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 60W	40°	75	135°C	T4	A, B, C, D	100°C	T5	E, F, G	Yes	Yes

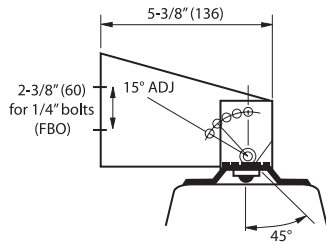
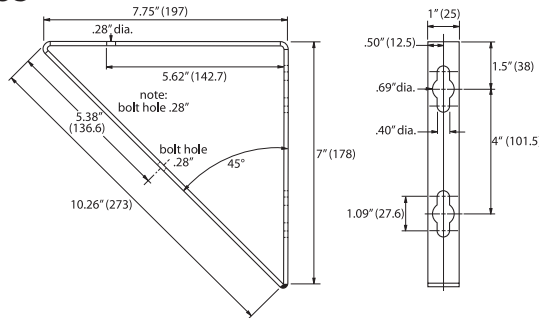


**KILLARK®**



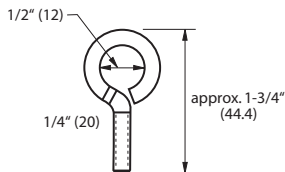
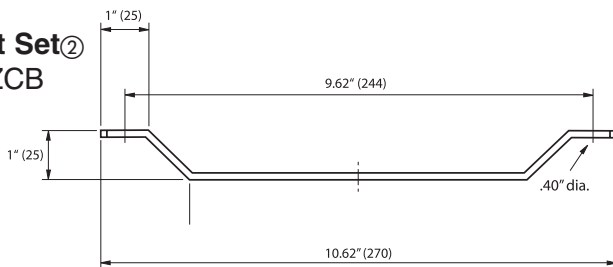
### Mounting Accessories

**Wall Bracket Set<sup>②</sup>**  
Part Number LZWB  
Stainless Steel  
(natural finish)



**Adjustable Wall Bracket Set<sup>②</sup>**  
Part Number LZAB  
Stainless Steel bracket with ceramic coated pivot bolt

**Ceiling Bracket Set<sup>②</sup>**  
Part Number LZCB  
Stainless Steel  
(natural finish)



**Eyebolt Set**  
Part Number LZEB  
Stainless Steel bolt with lockwasher & nut  
(natural finish)

**Suspension Chains (2 required)**  
Part Number HFX-SC  
36" length plated steel chain with snap link ends  
For use with LZEB

### FLUORESCENT FIXTURE- LZ2N40230

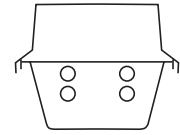
2' - 2 40 Watt Biaxial  
Lamp Type F40/2G11/835/RS  
Lumens 3150 each

**Total Bare Lamp**

**Lumens 6300**

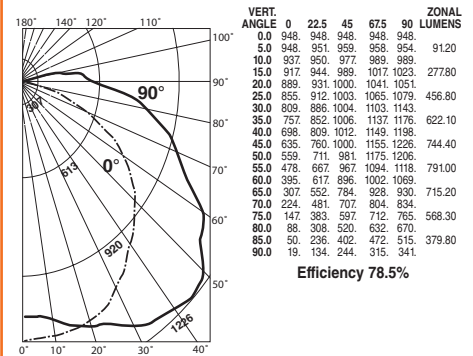
All data provided is for  
F40/2G11/835/RS lamps

For LZ2N40130 1-lamp  
models multiply x .50



### ZONAL LUMENS

ZONE	LUMENS
0-30	826
0-40	1447
0-60	2977
0-90	4638



### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE $T_{cc}$	80	70	50	30	10	0
% WALL REFLECTANCE $T_w$	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance					
0	.92	.92	.92	.90	.90	.90
1	.81	.76	.72	.68	.79	.74
2	.73	.65	.58	.53	.70	.63
3	.65	.56	.48	.42	.63	.54
4	.59	.49	.41	.35	.57	.47
5	.54	.43	.35	.29	.52	.42
6	.50	.38	.30	.25	.48	.37
7	.46	.34	.27	.22	.44	.33
8	.43	.31	.24	.19	.41	.30
9	.40	.28	.21	.17	.38	.28
10	.37	.26	.19	.15	.36	.25

SPACING TO MOUNTING HEIGHT RATIO - 1.28 0-180°  
SPACING TO MOUNTING HEIGHT RATIO - 1.88 90-270°

Test No. BAL12356

**LZ2N SERIES • LIGHTING**  
**NON-METALLIC FLUORESCENT**

**L159**



4' Nominal Style



2' Nominal Style

**Class I, Div. 2 Groups A,B,C,D**  
**Class I, Zones 2, Groups IIC,IIB,IIA**  
**Class II, Div. 1 & 2, Groups F,G**  
**AEx nAll, Ex nAll**  
**Wet Locations**  
**NEMA 4X, IP66**

Certified - File LR11713

**ABS** Type Approval  
**NSF** Food Handling

**FEATURES-SPECIFICATIONS**

LZ2N, LZ2NE NON-METALLIC			
NUMBER OF LAMPS/WATTS	VOLTAGE AC 60 Hz	DESCRIPTION	LZ2N
<b>BIAXIAL LAMP TYPE FIXTURES</b>			
1-40W	120-277V	2' 1-Lamp Biaxial Electronic 50/60 Hz 0°F Start 4-Pin	<b>LZ2N40130</b>
2-40W	120-277V	2' 2-Lamp Biaxial Electronic 50/60 Hz 0°F Start 4-Pin	<b>LZ2N40230</b>
4-40W	120-277V	4' 4-Lamp Biaxial Electronic 50/60 Hz 0°F Start 4-Pin	<b>LZ2N40430</b>
<b>DOUBLE-ENDED LAMP TYPE FIXTURES</b>			
2-28W	120-277V 50-60 Hz	4' 2-Lamp T-5 Electronic 0°F Start Miniature Bi-Pin	<b>LZ2N28230</b>
3-28W	120-277V 50-60 Hz	4' 3-Lamp T-5 Electronic 0°F Start Medium Bi-Pin	<b>LZ2N28330</b>
2-32W	120-277V 347V	4' 2-Lamp T-8 Electronic 50/60 Hz 0°F Start Medium Bi-Pin	<b>LZ2N32230</b> <b>LZ2N32215</b>
3-32W	120-277V 347V	4' 3-Lamp T-8 Electronic 50/60 Hz 0°F Start Miniature Bi-Pin	<b>LZ2N32330</b> <b>LZ2N32315</b>
2-40W	120V 277V 230V 50 Hz	4' 2-Lamp T-12 Electronic Medium Bi-Pin Start 50°F 40W/60°F 34W	<b>LZ2N40201</b> <b>LZ2N40204</b> <b>LZ2N40208</b>
2-44W	120V 277V	4' 2-Lamp T-8 Electronic -20°F Start High Output Recessed Double Contact	<b>LZ2N44201</b> <b>LZ2N44204</b>
2-60W	120V 277V	4' 2-Lamp T-12 Electronic -20°F Start High Output Recessed Double Contact	<b>LZ2N60201</b> <b>LZ2N60204</b>

For optional fused ballasts, add to catalog number F1 for 120V, F4 for 277V, F8 for 230V. Fusing not for marine or Canadian use. Lamps not included. See optional mounting accessories on following page.

REPLACEMENT BATTERY UNIT
KFBP7

EMERGENCY LUMEN CHART	
LAMPS	INITIAL LUMENS
1 X 40W BIAxIAL	625
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LZ2N <sup>①</sup>					
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① Includes normal powered LZ2NE models.





4' Nominal Style



2' Nominal Style

**Class I, Div. 2 Groups A,B,C,D**  
**Class I, Zones 2, Groups IIC, IIB, IIA**  
**Class II, Div. 1 & 2, Groups F,G**  
**AEx nAll, Ex nAll**  
**Wet Locations**  
**NEMA 4X, IP66**

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### FEATURES-SPECIFICATIONS

## LINEARLITE® \*

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#### Applications

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- Two 1/4"-20 aluminum bushings furnished in top of fixture for threaded rod

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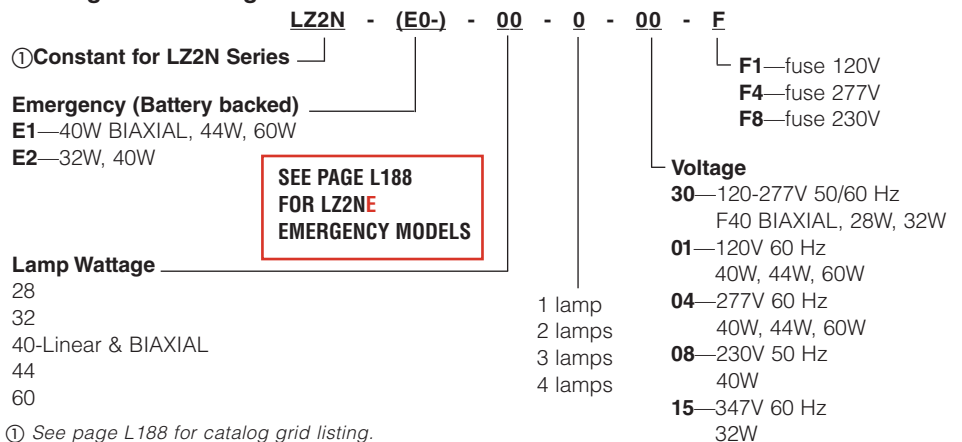
#### Product Range

- 2' and 4' luminaries
- Lamp types-  
Linear 28W, 32W, 40W, 44W, 60W  
Long compact 40W (single ended)
- Emergency battery-backed
- Electronic ballast standard
- World voltage (most models) 120 thru 277V, 50/60 Hz



Quick release diffuser clamp and hinged cover requires no special tools.

#### Catalog Number Logic

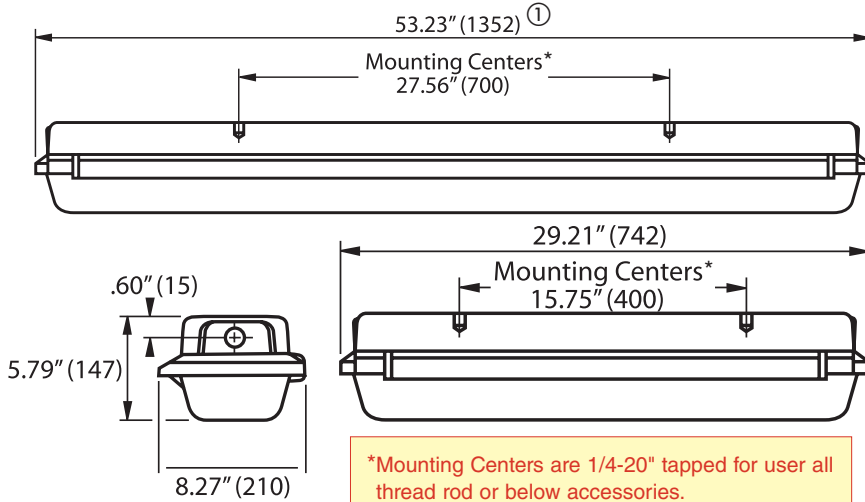


#### LZ2N, LZ2NE HAZARDOUS LOCATION APPLICATION DATA

NUMBER OF LAMPS/WATTS	RATED AMBIENT °C	SUITABLE FOR °C SUPPLY WIRE	CLASS I, DIV. 2 MAX. SURFACE TEMP.			CLASS II, DIV. 1 & 2 MAX. SURFACE TEMP.			CLASS III DIV. 1 & 2 SUITABILITY	NEMA 4X IP66
			TEMP.	T-CODE	GROUPS	TEMP.	T-CODE	GROUPS		
1 X 40W BIAxIAL	40°	60	100°C	T5	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 40W BIAxIAL	40°	60	100°C	T5	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
4 X 40W BIAxIAL	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 28W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
3 X 28W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 32W	40°	75	85°C	T6	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
3 X 32W	40°	75	85°C	T6	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 40W	40°	60	120°C	T4A	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 44W	40°	60	100°C	T5	A, B, C, D	100°C	T5	E, F, G	Yes	Yes
2 X 60W	40°	75	135°C	T4	A, B, C, D	100°C	T5	E, F, G	Yes	Yes

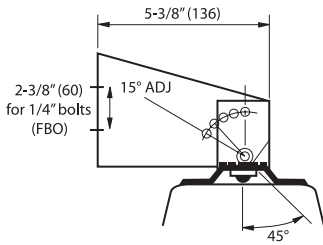
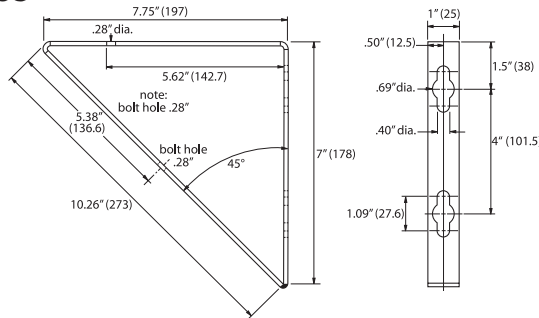


**KILLARK®**



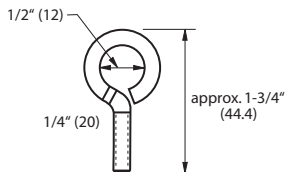
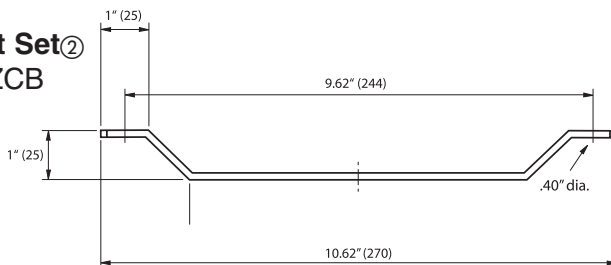
### Mounting Accessories

**Wall Bracket Set** ②  
Part Number LZWB  
Stainless Steel  
(natural finish)



**Adjustable  
Wall Bracket Set** ②  
Part Number LZAB  
Stainless Steel bracket with ceramic  
coated pivot bolt

**Ceiling Bracket Set** ②  
Part Number LZCB  
Stainless Steel  
(natural finish)



**Eyebolt Set**  
Part Number LZEB  
Stainless Steel bolt with lockwasher & nut  
(natural finish)

**Suspension Chains (2 required)**  
Part Number HFX-SC  
36" length plated steel chain with snap link ends  
For use with LZEB

### FLUORESCENT FIXTURE- LZ2N40230

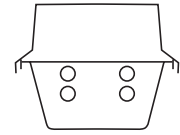
2' - 2 40 Watt Biaxial  
Lamp Type F40/2G11/835/RS  
Lumens 3150 each

**Total Bare Lamp**

**Lumens 6300**

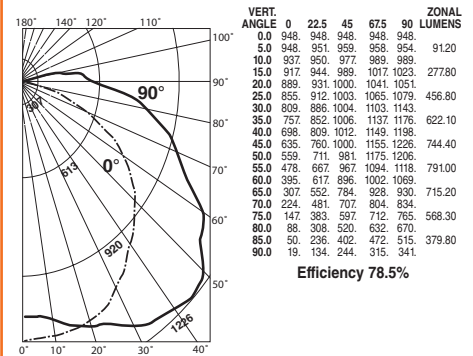
All data provided is for  
F40/2G11/835/RS lamps

For LZ2N40130 1-lamp  
models multiply x .50



#### ZONAL LUMENS

ZONE	LUMENS
0-30	826
0-40	1447
0-60	2977
0-90	4638



### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

% EFFECTIVE CEILING CAVITY REFLECTANCE T <sub>cc</sub>	80	70	50	30	10	0
% WALL REFLECTANCE T <sub>w</sub>	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
ROOM CAVITY RATIO RCR	20% Effective Floor Cavity Reflectance					
0	.92	.92	.92	.90	.90	.90
1	.81	.76	.72	.68	.79	.74
2	.73	.65	.58	.53	.70	.63
3	.65	.56	.48	.42	.63	.54
4	.59	.49	.41	.35	.57	.47
5	.54	.43	.35	.29	.52	.42
6	.50	.38	.30	.25	.48	.37
7	.46	.34	.27	.22	.44	.33
8	.43	.31	.24	.19	.41	.30
9	.40	.28	.21	.17	.38	.28
10	.37	.26	.19	.15	.36	.25

SPACING TO MOUNTING HEIGHT RATIO - 1.28 0-180°  
SPACING TO MOUNTING HEIGHT RATIO - 1.88 90-270°

Test No. BAL12356