



COMPACT FLUORESCENT LIGHTING





# Elegant Solutions for High Profile Lighting Designs

BELFER PRODUCTS

ARE DESIGNED TO

ILLUMINATE ANY

ENVIRONMENT WHERE

THE OBJECTIVE IS TO

CREATE VISUAL

INTEREST WHILE

RESPECTING THE

ARCHITECTURE.



# Your Hidden Advantage®

#### A PIONEER IN COMPACT FLUORESCENT APPLICATIONS

With the advent of compact linear fluorescent technology in the late 1970s, Belfer was the first manufacturer to develop compact fluorescent strip lighting for illuminating architectural details such as coves, ceilings, soffits and valances. It remains a primary focus of the company to this day.

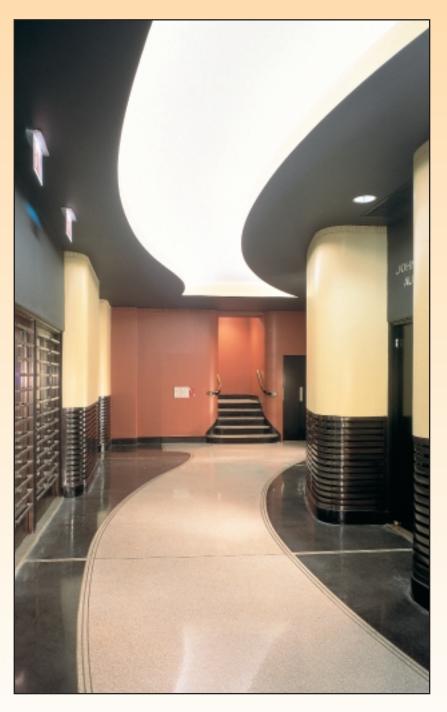
In 1990, Belfer again led the industry with the introduction of the first field curvable compact linear fluorescent, its renowned FX<sup>TM</sup> series. For the first time, the fixtures could be curved in the field, not in the factory.

In 1994, Belfer improved its field curvable line with the introduction of its FX2™ line. The FX2 line is modular in design, meeting the demands of actual job-site conditions for curved lighting of any length, to very tight radii. At the same time, we introduced our patented Ramp™ system, which eliminates any possibility of shadows while increasing light output 20%.

Because "the best never rest," Belfer innovated the lighting industry's only integral straight and field curvable compact linear fluorescent system, the NX2/FX2<sup>TM</sup> Series. NX2/FX2 allows complete integration of straight and field curvable lengths in virtually any configuration. We ship custom lighting from stock.

All Belfer products are designed, built and performance tested to the highest standards in our modern U.S. plant. From concept, to selection of materials and components, to production, the quality of our product and your project comes first. UL and CUL listings ensure electrical safety and adherence to codes.

We cordially invite your inquiry.



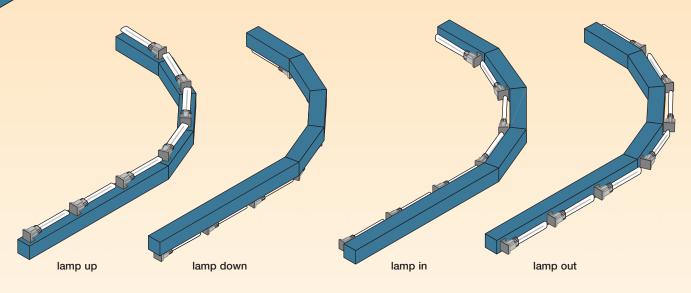


The NX2/FX2<sup>™</sup> Seamless Design System is a fully linkable, formed aluminum system that allows complete integration of straight and field curvable lengths in virtually any configuration. NX2<sup>™</sup> is the suffix for Belfer's straight, non-curving compact fluorescent sections. FX2<sup>™</sup> is the suffix for field curvable sections.

Together, they can be joined to form a single, seamless, continuous system.

NX2 & FX2 can be specified as lamp up or lamp down. NX2S & FX2S are specified as lamp in or lamp out. All are available in standard lengths including individual add-on modules to complete a run.

Field curvable means no need for field measurements, no fabrication sheets, no set-up charges for custom products. All you need to know are the inside and outside radii of the coves. The minimum cove radius is listed for each lamp size in each lamp configuration.



NX2 TO FX2

NX2S TO FX2S

The NX2/FX2 System offers many distinct installation and maintenance advantages:

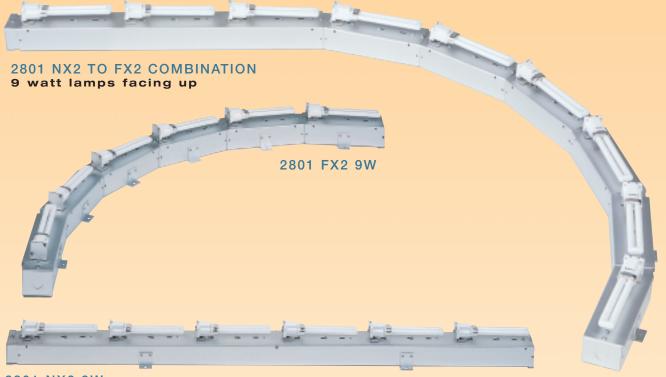
- The NX2/FX2 system is through wired...

  Just connect wires and screw joints together. No "pulling" of wire or cable required.
- The NX2/FX2 system has external mounting clips...
   No need to open units to secure the fixture to the mounting surface.
- The NX2/FX2 system provides for easy ballast replacement... For service, the top cap lifts up, allowing access to the ballast.
- The NX2/FX2 system reduces freight costs...
  Its field curvable design ships straight in standard lengths for most common carriers.

# NX2™ to FX2™

SEAMLESS DESIGN SYSTEM

Choose NX2 or FX2 for lamps positioned up or down.

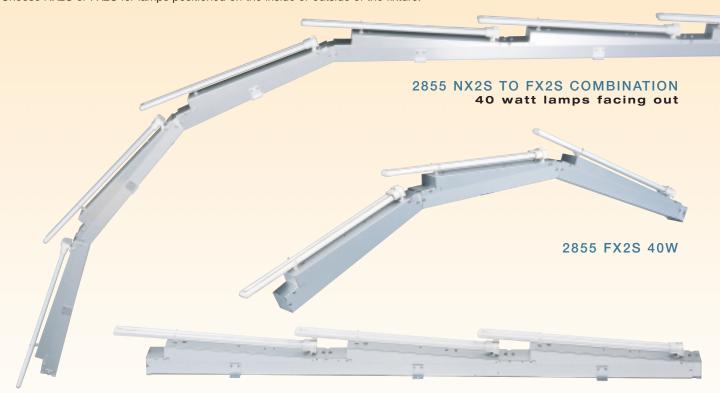


2801 NX2 9W

### NX2S™ to FX2S™

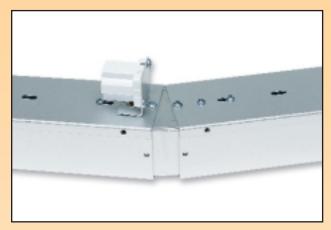
SEAMLESS DESIGN SYSTEM

Choose NX2S or FX2S for lamps positioned on the inside or outside of the fixture.



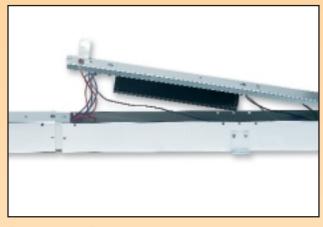
2855 NX2S 40W

### **Features**



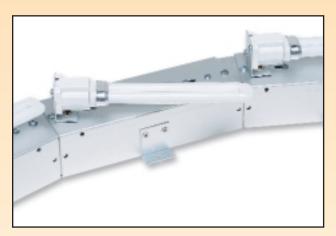
FORMED ALUMINUM CONSTRUCTION

Fully linkable formed aluminum system allows complete integration of straight and field curvable lengths.



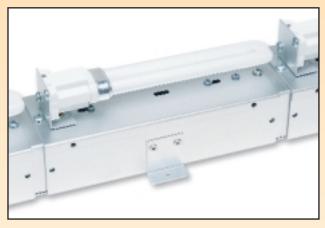
REMOVABLE BALLAST

For service, the top cap lifts up, allowing access to the ballast.



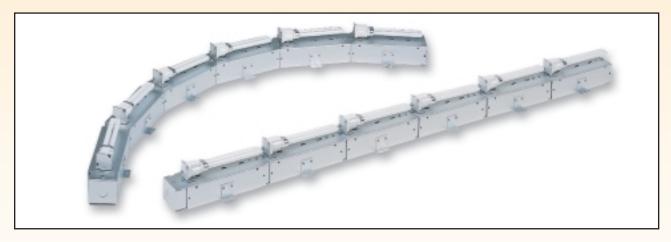
SWIVEL SOCKETS

Allow for easy relamping in tight curves.



EXTERNAL MOUNTING CLIPS

No need to open units to secure the fixture to the mounting surface.



REDUCED INSTALLED COSTS

Through wired preassembled units reduce freight and installation costs.

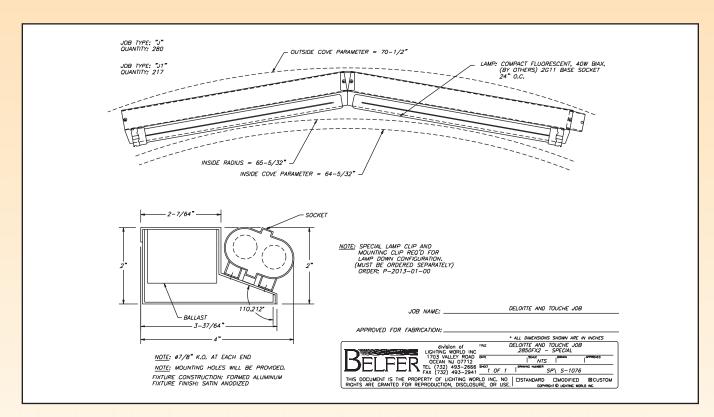






EASY LENGTH ADJUSTMENT

Modular system allows for length adjustment in the field.



#### MODIFICATIONS AND SPECIALS

If you have applications which dictate modification of our standard product, please contact your local Belfer representative. In addition to modifications, Belfer has complete custom capabilities for custom projects. Our team of customer service and technical specialists are at your disposal to answer questions and offer advice about application, lamp placement, and lighting objectives.

# A Checklist for Effective Cove Lighting

- 1. CHOOSE THE PROPER LAMP
- 2. COMMON FIXTURE PLACEMENTS
- 3. Performance fixture placements
   MAXIMIZE LIGHT OUTPUT FROM COVE
- 4. MINIMIZING / ELIMINATING SHADOWS
   PLAN FOR EVEN LIGHT DISTRIBUTION
- 5. Proper interior cove surface



#### 1. Choose the Proper Lamp

The Belfer Compact Fluorescent Cove Lighting System begins with identifying the proper lamp and desired lumen output. If the need is to create a soft glow above the cove, low wattage compact fluorescent lamps should be selected. If the need is to create ambient light below the cove, a higher wattage lamp should be used. The Belfer System is available in 9W and 13W twin tube, 26W quad, 32W and 42W hex and 18W, 39W, 40W and 50W biax lamps. Select the appropriate wattage, lamp and lumen output... this will determine which Belfer system is right for your needs.

The following chart shows the lumen output per lamp, lamps per foot, lumen output per foot and lamp life of each lamp offered based on Belfer standard lamp spacing.

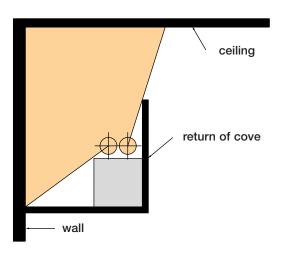
### **Lumen Output Chart**

LAMP	LUMENS (nominal per lamp)	LAMPS (per foot)	LUMENS (per foot)	LAMP LIFE (nominal)
2801 SERIES 9 Watt Twin Tube 13 Watt Twin Tube	600 900	1.50 1.50	900 1,350	10,000 hrs. 10,000 hrs.
2850 SERIES 18 Watt Twin Tube/RS 39 Watt Twin Tube 40 Watt Twin Tube 50 Watt Twin Tube	1,250 2,900 3,150 4,000	1.00 0.67 0.50 0.50	1,250 1,935 1,575 2,000	20,000 hrs. 12,000 hrs. 20,000 hrs. 14,000 hrs.
2855 RAMP® SERIES 9 Watt Twin Tube 13 Watt Twin Tube 18 Watt Twin Tube/RS 39 Watt Twin Tube 40 Watt Twin Tube 50 Watt Twin Tube	600 900 1,250 2,900 3,150 4,000	3.00 3.00 1.50 0.86 0.60 0.60	1,800 2,700 1,875 2,486 1,890 2,400	10,000 hrs. 10,000 hrs. 20,000 hrs. 12,000 hrs. 20,000 hrs. 14,000 hrs.
2880 SERIES 26 Watt Quad Tube 32 Watt Hex Tube 42 Watt Hex Tube	1,800 2,400 3,200	1.50 1.50 1.50	2,700 3,600 4,800	10,000 hrs. 10,000 hrs. 10,000 hrs.

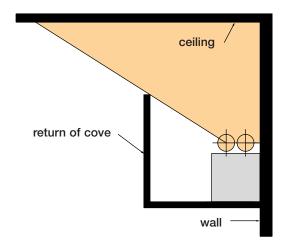
#### 2. COMMON FIXTURE PLACEMENTS

Whatever your objective for cove lighting, maximizing the output of the light is most desirable. Fixture placement in relation to the aperture (the opening) of the cove is the factor which most affects output. The most common impediment to light output is poor placement of fixtures in the cove.

The closer the lamps are to the aperture of the cove, the more light will escape the cove.



Placing fixtures deep inside the cove, against the return, results in maximum light being trapped inside.



Placing fixtures deep inside the cove, against the far wall can create shadows on the inner wall.

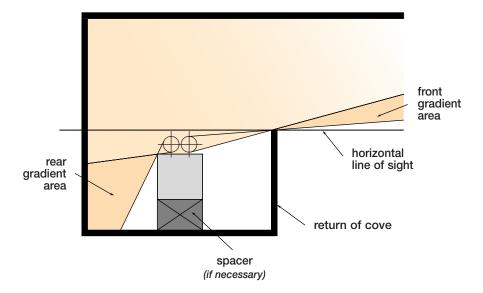
BELFER LIGHTING FOR ARCHITECTURE

#### 3. PERFORMANCE FIXTURE PLACEMENTS - MAXIMIZE LIGHT OUTPUT FROM COVE



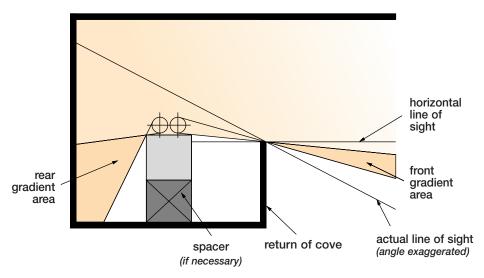
EXAMPLE 1

To maximize light output, fixtures must be close to the line of sight. For coves under 9 feet from the floor, use the horizontal line of sight, by drawing a horizontal line from the top of the return to the inside of the cove.



#### EXAMPLE 2

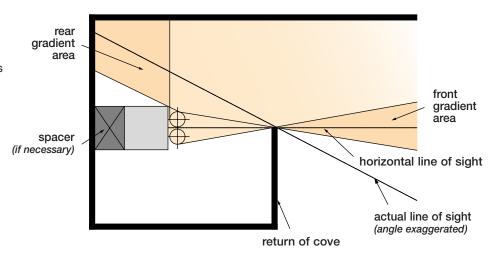
For coves above 9 feet use the horizontal line of sight or, as an alternative, use the actual line of sight. This is determined from a point farthest away from cove at a height of seven feet, while the cove is still visible.



Place fixture to position lamps one inch below the actual line of sight.

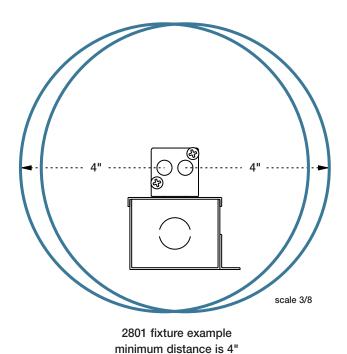
#### EXAMPLE 3

Highest efficiency is gained when the fixtures are mounted in a side position, which maximizes the amount of light escaping the cove into the space.



#### 4. MINIMIZING/ELIMINATING SHADOWS - PLAN FOR EVEN LIGHT DISTRIBUTION

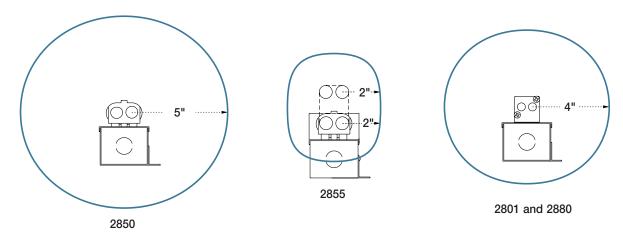
In addition to proper placement to maximize light output, care should be taken to eliminate or minimize shadows. This can be accomplished by maintaining the minimum distance between the light source and the nearest visible surface to the light.



#### MINIMUM DISTANCES FOR SHADOWLESS APPLICATIONS

Maintain minimum distance between the light source and the nearest visible surface. This distance is 5" for 2850 and 4" for 2801/2880.

Specifying the patented Belfer Ramp® (2855) with overlapping lamps virtually assures shadow-free lighting. Lamp placement can be as little as 2" from nearest visibly lit surface to avoid hot spots.



drawings not to scale

#### 5. Proper Interior Cove Surface

A matte white finish inside the cove increases light reflectivity and reduces light discoloration while increasing efficiency. Walls and ceilings that are matte white produce optimum results.

# 2855 Series The Ramp®

THE BELFER RAMP® SERIES IS THE
ORIGINAL SHADOWLESS COMPACT
FLUORESCENT LIGHT STRIP. BY
OVERLAPPING ITS LAMPS AT A
CONTINUOUS ANGLE AND COVERING
ADJACENT SOCKETS AND CATHODES,
NOT ONLY DOES THE RAMP® ELIMINATE
SHADOWS, BUT LUMENS PER FOOT
INCREASES 20% TO 100% DEPENDING
UPON THE LAMP. THE RAMP® FEATURES
AN EXCLUSIVE CONTINUOUS GROUND
PLANE WHICH ENSURES TROUBLE-FREE
STARTING AND DIMMING, WHILE
MAXIMIZING LAMP LIFE.

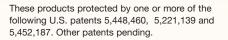
RAMP® FIXTURES UTILIZING HIGH
PERFORMANCE 18W, 39W, 40W AND
50W LAMPS PRODUCE 20% MORE
LUMENS PER FOOT THAN OTHER
COMPACT FLUORESCENT STRIPS. IN
ADDITION WE OFFER RAMP® FIXTURES
UTILIZING 9W AND 13W TWIN TUBE
COMPACT FLUORESCENTS. BY
OVERLAPPING LAMPS, LUMEN OUTPUT
PER FOOT DOUBLES OVER OUR MODEL
2801 END-TO-END VERSION.

OUR 2855 RAMP® SERIES PROVIDES
THE LIGHTING DESIGNER WITH AN EVEN
DISTRIBUTION OF INDIRECT LIGHTING
AND AN UNUSUALLY FLEXIBLE METHOD
OF LIGHTING LINEAR, ROUNDED AND
CONTOURED COVES AND VALANCES.

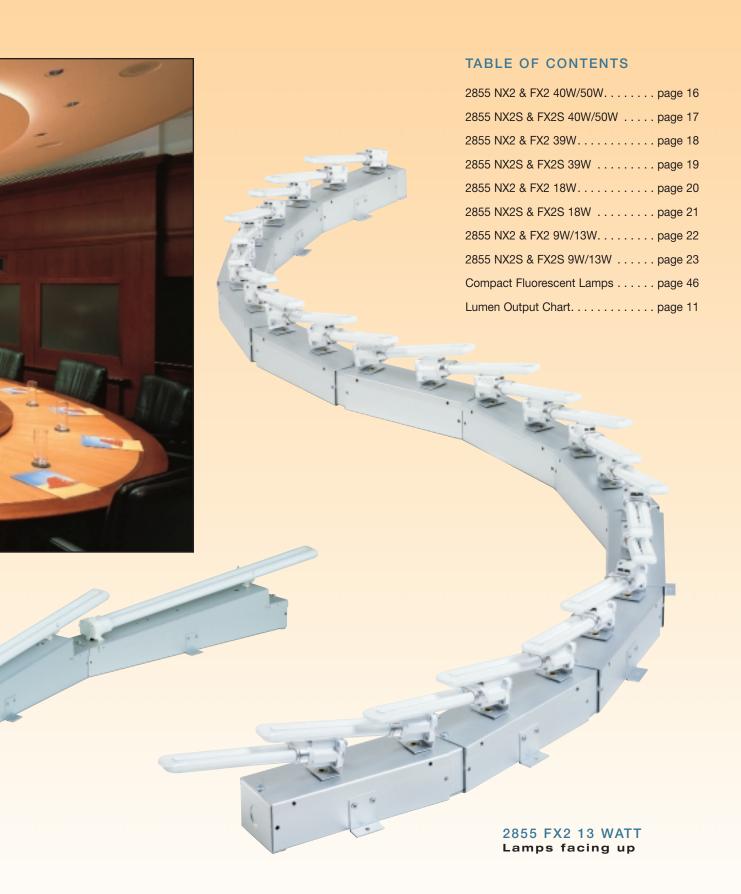


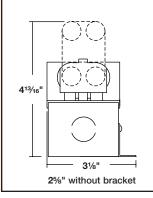


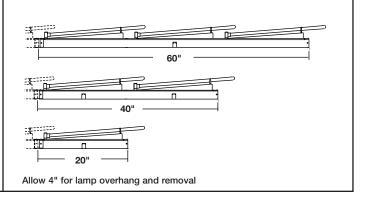
2855 NX2S 40 WATT









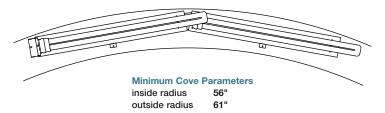


# 2855 NX2/FX2™ Ramp®

40 & 50 Watt Seamless Straight and Field Curvable System

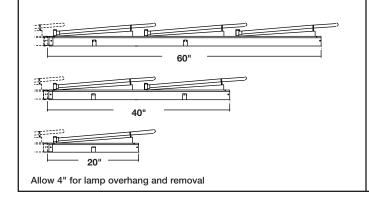
- High Performance Compact Fluorescent Lamp Options:
  - 40 Watt (2G11) High Performance Compact Fluorescent
  - 50 Watt (2G11) High Performance Compact Fluorescent
- Voltage Options:
  - 120 Volt
  - 277 Volt
- · Ballast Options:
  - High Power Factor (40 watt only)
  - Electronic
  - Dimming
- 20" On Center Spacing





#### **Ordering Format**

SERIES	LAMP Configuration	LAMP	VOLTAGE	BALLAST	LENGTH
<b>2855</b> linear fixture	seamless straight lamp up or down FX2 field curvable lamp up or down	40 40 watt compact fluorescent  50 50 watt compact fluorescent	1 120 volt 2 277 volt	H high power factor (40 watt, 40" & 20" only)  E electronic D dimming	60 60" length (3 lamps, 40 watt only) 40 40" length (2 lamps) 20 20" length
CUL US LISTED					(1 lamp)

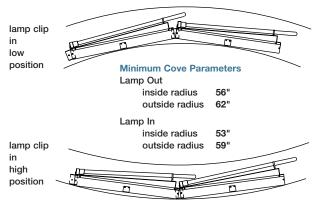


# 2855 NX2S/FX2S™ Ramp®

40 & 50 Watt Seamless Straight and Field Curvable System

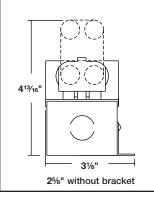
- High Performance Compact Fluorescent Lamp Options:
  - 40 Watt (2G11) High Performance Compact Fluorescent
  - 50 Watt (2G11) High Performance Compact Fluorescent
- Voltage Options:
  - 120 Volt
  - 277 Volt
- Ballast Options:
  - High Power Factor (40 watt only)
  - Electronic
  - Dimming
- 20" On Center Spacing

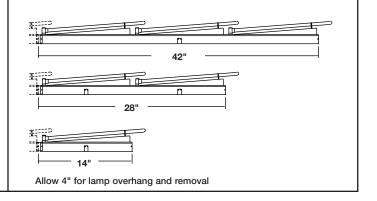




#### **Ordering Format**

2855 NX2S 40 1 H 60   linear seamless straight seamless straight lamp in or out compact fluorescent lamp in or out    FX2S field curvable lamp in or out   lamp in or out   lamp in or out   lamp in or out    S0 watt   compact fluorescent    S0 watt   compact fluore	SERIES	LAMP Configuration	LAMP	VOLTAGE	BALLAST	LENGTH
20" iengtn (1 lamp)	linear	seamless straight lamp in or out FX2S field curvable	40 watt compact fluorescent <b>50</b> 50 watt compact	2	high power factor (40 watt, 40" & 20" only)  E electronic  D	60" length (3 lamps, 40 watt only)  40 40" length (2 lamps)  20 20" length



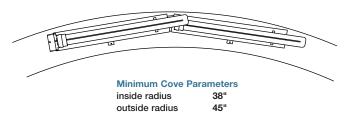


# 2855 NX2/FX2™ Ramp®

39 WATT SEAMLESS STRAIGHT AND FIELD CURVABLE SYSTEM

- Voltage Options:
  - 120 Volt
  - 277 Volt
- Ballast Options:
- High Power Factor
  - Electronic
  - Dimming
- 14" On Center Spacing





#### **Ordering Format**

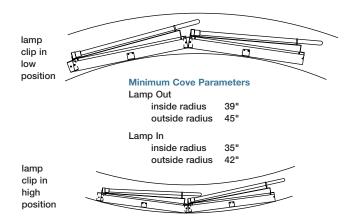
SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
<b>2855</b> linear fixture	NX2 seamless straight lamp up or down FX2 field curvable lamp up or down	39 39 watt compact fluorescent	1 120 volt 2 277 volt	H high power factor (28" and 14" only)  E electronic D dimming	42 42" length (3 lamps)  28 28" length (2 lamps)  14 14" length (1 lamp)
CUL US LISTED					

# 2855 NX2S/FX2S™ Ramp®

39 WATT SEAMLESS STRAIGHT AND FIELD CURVABLE SYSTEM

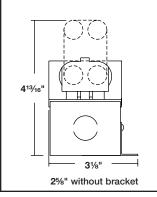
- 39 Watt (2G11) High Performance Compact Fluorescent Lamp
- Voltage Options:
  - 120 Volt
  - 277 Volt
- Ballast Options:
  - High Power Factor
  - Electronic
  - Dimming
- 14" On Center Spacing

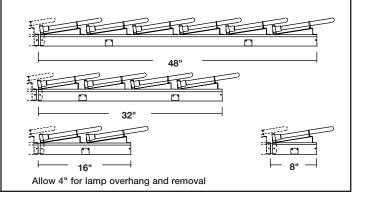




#### **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
<b>2855</b> linear fixture	NX2S seamless straight lamp in or out	39 39 watt compact fluorescent	<b>1</b> 120 volt <b>2</b>	H high power factor (28" and 14" only)	<b>42</b> 42" length (3 lamps)
	FX2S field curvable lamp in or out	nuorescent	277 volt	E electronic D dimming	28   length (2 lamps) 14   14" length (1 lamp)
CUL US LISTED DAMP LOCATION					

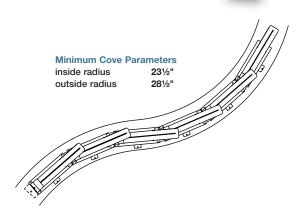




# 2855 NX2/FX2™ Ramp®

18 WATT SEAMLESS STRAIGHT AND FIELD CURVABLE SYSTEM

- 18 Watt (2G11) High Performance Compact Fluorescent Lamp (rapid start)
- Voltage Options:
  - 120 Volt
  - 277 Volt
- Electronic Ballast
- 8" On Center Spacing



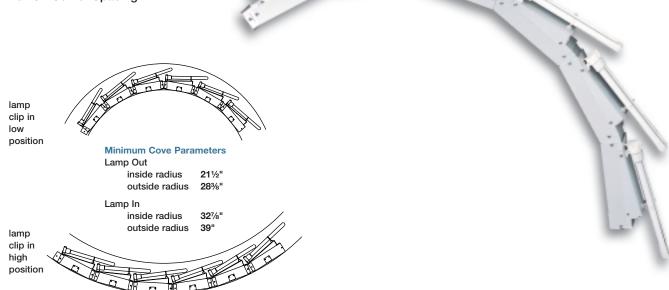
#### **Ordering Format**

SERIES	LAMP Configuration	LAMP	VOLTAGE	BALLAST	LENGTH
2855 linear fixture	NX2 seamless straight lamp up or down FX2 field curvable lamp up or down	18 18 watt compact fluorescent (rapid start)	1 120 volt 2 277 volt	<b>E</b> electronic	48 48" length (6 lamps) 32 32" length (4 lamps) 16 16" length (2 lamps)
CUL US LISTED DAMP LOCATION					<b>8</b> 8" length (1 lamp)

# 2855 NX2S/FX2S™ Ramp®

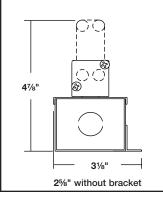
18 WATT SEAMLESS STRAIGHT AND FIELD CURVABLE SYSTEM

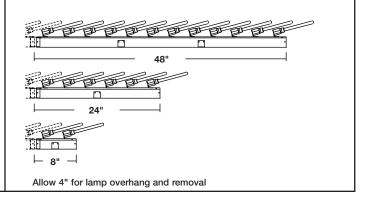
- 18 Watt (2G11) High Performance Compact Fluorescent Lamp (rapid start)
- Voltage Options:
  - 120 Volt
  - 277 Volt
- Electronic Ballast
- 8" On Center Spacing



#### **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
<b>2855</b> linear	NX2S seamless straight	<b>18</b> 18 watt <sub>.</sub>	<b>1</b> 120 volt	<b>E</b> electronic	<b>48</b> 48" length
fixture	lamp in or out  FX2S field curvable lamp in or out	compact fluorescent (rapid start)	<b>2</b> 277 volt		(6 lamps) <b>32</b> 32" length (4 lamps)
					<b>16</b> 16" length (2 lamps)
CUL US LISTED DAMP LOCATION					<b>8</b> 8" length (1 lamp)



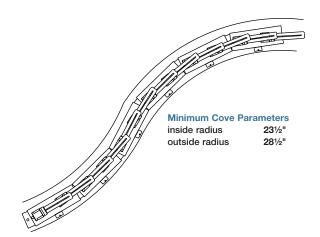


# 2855 NX2/FX2™ Ramp®

9 & 13 Watt Seamless Straight and Field Curvable System

- Compact Fluorescent Lamp Options:
  - 9 Watt (G23) Compact Fluorescent
  - 13 Watt (GX23) Compact Fluorescent
- · Voltage Options:
  - 120 Volt
  - 277 Volt
- High Power Factor Ballast
- 4" On Center Spacing

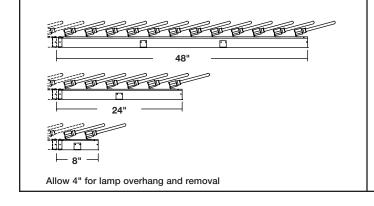




#### **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
2855	NX2	9	1	Н	48
linear	seamless straight	9 watt	120 volt	high power factor	48" length
fixture	lamp up or down	compact fluorescent	2		(12 lamps)
	FX2	HUUTESCEHL	277 volt		
	field curvable	13	ZII VOIC		24
	lamp up or down	13 watt			24" length
	iap up or dom.	compact			(6 lamps)
		fluorescent			
					8
					8" length
UL) US LISTED					(2 lamps)
DAMP LOCATION					

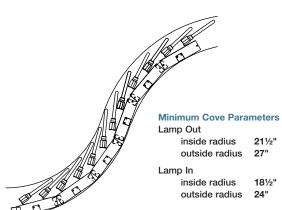
25/8" without bracket



# 2855 NX2S/FX2S™ Ramp®

9 & 13 Watt Seamless Straight and Field Curvable System

- Compact Fluorescent Lamp Options:
  - 9 Watt (G23) Compact Fluorescent
  - 13 Watt (GX23) Compact Fluorescent
- Voltage Options:
  - 120 Volt
  - 277 Volt
- High Power Factor Ballast
- 4" On Center Spacing





#### **Ordering Format**

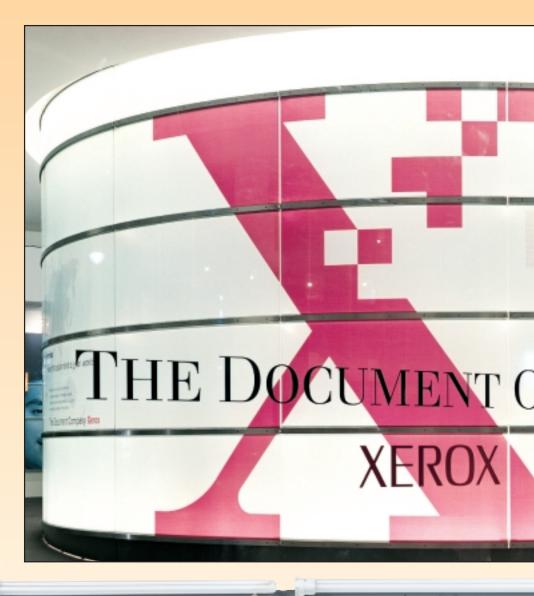
choose one from each category

SERIES	LAMP Configuration	LAMP	VOLTAGE	BALLAST	LENGTH
<b>2855</b> linear fixture	NX2S seamless straight lamp in or out FX2S field curvable lamp in or out	9 watt compact fluorescent  13	1 120 volt 2 277 volt	<b>H</b> high power factor	48 48" length (12 lamps)  24 24" length (6 lamps)
CUL US LISTED DAMP LOCATION					8" length (2 lamps)

23

### The 2850 Series

THE 2850 COMPACT FLUORESCENT SERIES COMBINES HIGH EFFICIENCY, COLOR CORRECTED 18W, 39W, 40W AND 50W LAMPS WITH OUR PATENTED SEAMLESS STRAIGHT TO FIELD CURVABLE SYSTEM. AVAILABLE IN MULTI LAMP LENGTHS FOR COST EFFECTIVE INSTALLATIONS, THIS SERIES EMPLOYS RAPID START, HIGH POWER FACTOR, DIMMING OR ELECTRONIC BALLASTS WITHIN ITS SLIM, SATIN ANODIZED ALUMINUM PROFILE. STRAIGHT AND CURVED LENGTHS CAN BE COMBINED TO CREATE CONTINUOUS WALL TO WALL LIGHTING. DARK CORNERS AND DARK ENDS ARE ELIMINATED. LIFT UP SOCKETS ALLOW FOR EASY RELAMPING IN THE MOST RESTRICTIVE OF JOB CONDITIONS.

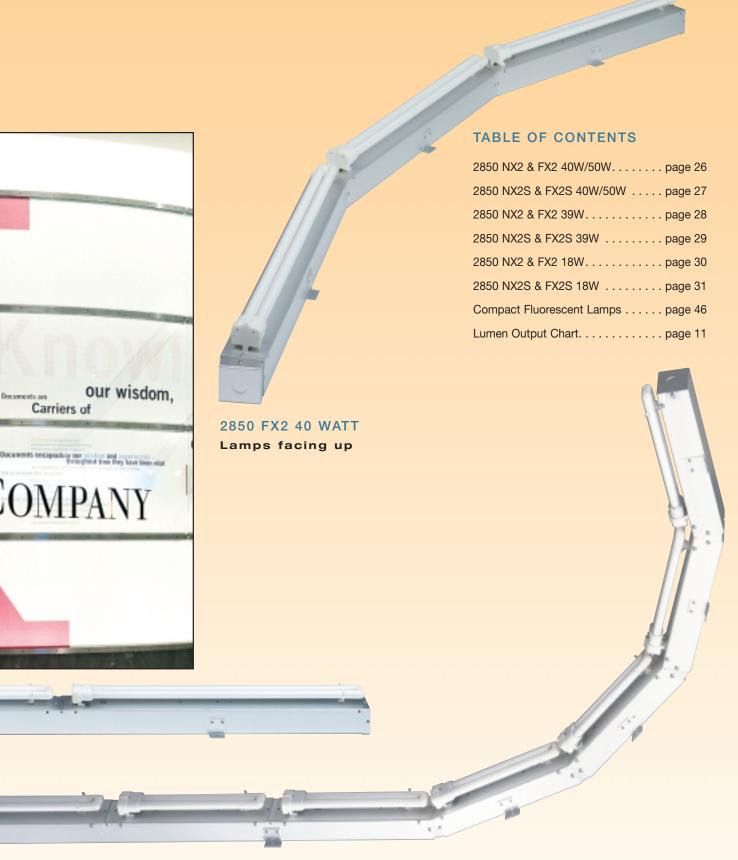


2850 NX2 40 WATT

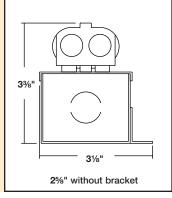
2850 FX2S 39 WATT

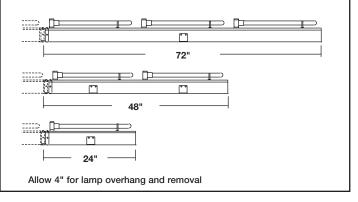
Lamps facing in

These products protected by one or more of the following U.S. patents 5,448,460, 5,221,139 and 5,452,187. Other patents pending.



2850 NX2S CONNECTED TO FX2S 18 WATT Lamps facing in



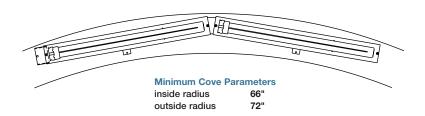


### 2850 NX2/FX2™

40 & 50 Watt Seamless Straight and Field Curvable System

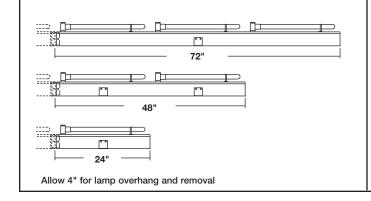
- High Performance Compact Fluorescent Lamp Options:
  - 40 Watt (2G11) High Performance Compact Fluorescent
  - 50 Watt (2G11) High Performance Compact Fluorescent
- Voltage Options:
  - 120 Volt
  - 277 Volt
- · Ballast Options:
  - High Power Factor (40 watt only)
  - Electronic
  - Dimming
- 24" On Center Spacing





#### **Ordering Format**

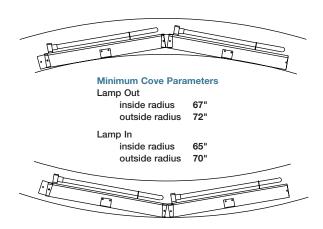
SERIES	LAMP Configuration	LAMP	VOLTAGE	BALLAST	LENGTH
2850 linear fixture  c UL us LISTED DAMP LOCATION	seamless straight lamp up or down FX2 field curvable lamp up or down	40 40 watt compact fluorescent 50 50 watt compact fluorescent	1 120 volt 2 277 volt	H high power factor (40 watt, 48" & 24" only)  E electronic D dimming	72 72" length (3 lamps, 40 watt only)  48 48" length (2 lamps)  24 24" length (1 lamp)



### 2850 NX2S/FX2S™

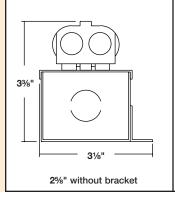
40 & 50 Watt Seamless Straight and Field Curvable System

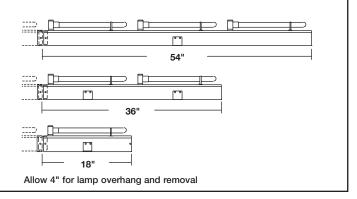
- High Performance Compact Fluorescent Lamp Options:
  - 40 Watt (2G11) High Performance Compact Fluorescent
  - 50 Watt (2G11) High Performance Compact Fluorescent
- Voltage Options:
  - 120 Volt
  - 277 Volt
- Ballast Options:
  - High Power Factor (40 watt only)
  - Electronic
  - Dimming
- 24" On Center Spacing



#### **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
<b>2850</b> linear fixture	NX2S seamless straight lamp in or out FX2S field curvable lamp in or out	40 40 watt compact fluorescent 50 50 watt compact fluorescent	1 120 volt 2 277 volt	H high power factor (40 watt, 48" & 24" only)  E electronic D dimming	72 72" length (3 lamps, 40 watt only) 48 48" length (2 lamps) 24 24" length (1 lamp)
CUL US LISTED DAMP LOCATION					



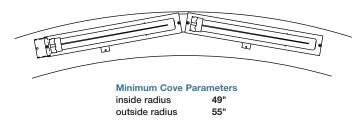


### 2850 NX2/FX2™

39 Watt Seamless Straight and Field Curvable System

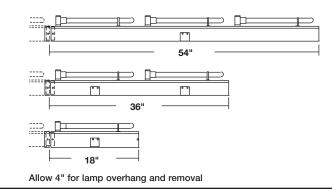
- 39 Watt (2G11) High Performance Compact Fluorescent Lamp
- Voltage Options:
  - 120 Volt
  - 277 Volt
- Ballast Options:
  - High Power Factor
    - Electronic
    - Dimming
- 18" On Center Spacing





#### **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
2850 linear fixture	<b>NX2</b> seamless straight lamp up or down	39 39 watt compact	<b>1</b> 120 volt <b>2</b>	<b>H</b> high power factor (36" and 18" only)	<b>54</b> 54" length (3 lamps)
	<b>FX2</b> field curvable lamp up or down	fluorescent	277 volt	E electronic D	<b>36</b> 36" length (2 lamps)
				dimming	<b>18</b> 18" length <i>(1 lamp)</i>
CUL US LISTED DAMP LOCATION					

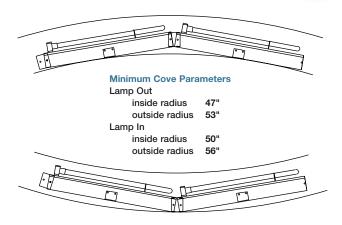


### 2850 NX2S/FX2S™

39 Watt (2G11) High Performance Compact Fluorescent Lamp

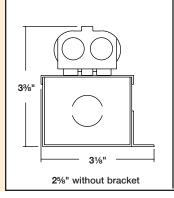
39 WATT SEAMLESS STRAIGHT AND FIELD CURVABLE SYSTEM

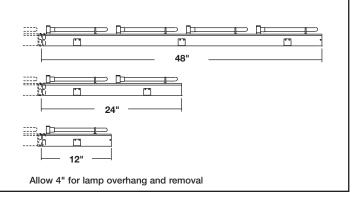
- Voltage Options:
  - 120 Volt
  - 277 Volt
- · Ballast Options:
  - High Power Factor
    - Electronic
    - Dimming
- 18" On Center Spacing



#### **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
2850 linear	NX2S seamless straight	<b>39</b> 39 watt	<b>1</b> 120 volt	<b>H</b> high power factor	<b>54</b> 54" length
fixture	lamp in or out  FX2S field curvable lamp in or out	compact fluorescent	<b>2</b> 277 volt	(36" and 18" only)  E electronic  D	(3 lamps) <b>36</b> 36" length (2 lamps)
				dimming	<b>18</b> 18" length (1 lamp)
CUL US LISTED DAMP LOCATION					

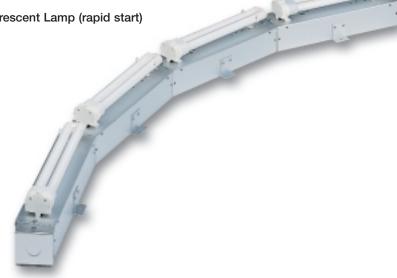


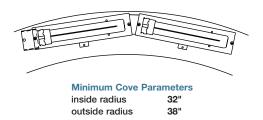


### 2850 NX2/FX2™

18 WATT SEAMLESS STRAIGHT AND FIELD CURVABLE SYSTEM

- 18 Watt (2G11) High Performance Compact Fluorescent Lamp (rapid start)
- Voltage Options:
  - 120 Volt
  - 277 Volt
- Ballast Options:
  - High Power Factor
  - Electronic
- 12" On Center Spacing





#### **Ordering Format**

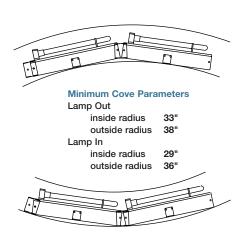
<b>(2</b> amless straight	18	1	Н	40
mp up or down	18 18 watt compact fluorescent (rapid start)	120 volt	high power factor	<b>48</b> 48" length <i>(4 lamps)</i>
<b>FX2</b> field curvable lamp up or down		277 volt	electronic	<b>24</b> 24" length (2 lamps)
				<b>12</b> 12" length (1 lamp)
	eld curvable	t <b>2</b> eld curvable (rapid start)	t2 Hubrescent 277 volt ld curvable (rapid start)	12 nuorescent 277 volt electronic eld curvable

2850 NX2S & FX2S

# 2850 NX2S/FX2S™

18 Watt Seamless Straight and Field Curvable System

- 18 Watt (2G11) High Performance Compact Fluorescent Lamp (rapid start)
- Voltage Options:
  - 120 Volt
  - 277 Volt
- Ballast Options:
  - High Power Factor
  - Electronic
- 12" On Center Spacing





#### **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
2850	NX2S	18	1	H.	48
linear fixture	seamless straight lamp in or out	18 watt compact	120 volt <b>2</b>	high power factor	48" length (4 lamps)
	<b>FX2S</b> field curvable lamp in or out	fluorescent (rapid start)	277 volt electronic	_	<b>24</b> 24" length (2 lamps)
					<b>12</b> 12" length (1 lamp)
CUL) US LISTED DAMP LOCATION					

### The 2801 Series

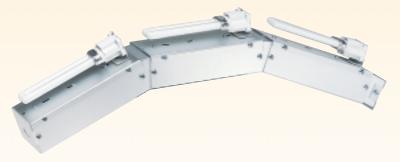
THE 2801 COMPACT FLUORESCENT SERIES FEATURES TWIN TUBE, COLOR CORRECTED 9W AND 13W COMPACT FLUORESCENT LAMPS ON OUR FIELD CURVABLE SATIN ANODIZED ALUMINUM BODY. THESE FIXTURES CAN BE CURVED DOWN TO A TIGHT 19½" RADIUS TO MEET YOUR MOST CHALLENGING JOB REQUIREMENTS.

MULTIPLE LENGTHS ARE AVAILABLE IN
OUR PATENTED SEAMLESS STRAIGHT TO
FIELD CURVABLE SYSTEM FOR COST
EFFECTIVE INSTALLATIONS. THESE UNITS
CAN BE COMBINED TO EVENLY ILLUMINATE
ARCHITECTURAL COVES, SHELVES AND
VALANCES WHILE ELIMINATING DARK
CORNERS, DARK ENDS AND SOCKET
SHADOWS. SOCKETS SWIVEL FOR EASY
RELAMPING IN ANY APPLICATION.





2801 NX2 9 WATT

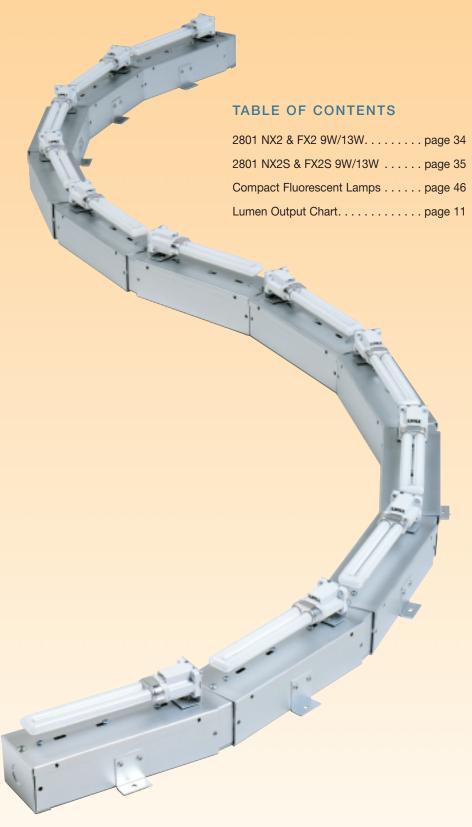


2801 FX2S 9 WATT

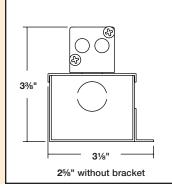
Lamps facing out

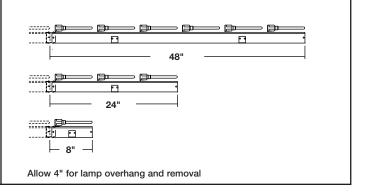






2801 FX2 9 WATT Lamps facing up



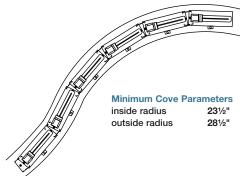


### 2801 NX2/FX2™

9 & 13 Watt Seamless Straight and Field Curvable System

- Compact Fluorescent Lamp Options:
   9 Watt (G23) Compact Fluorescent
  - 13 Watt (GX23) Compact Fluorescent
- Voltage Options:
  - 120 Volt
  - 277 Volt
- High Power Factor Ballast
- 8" On Center Spacing



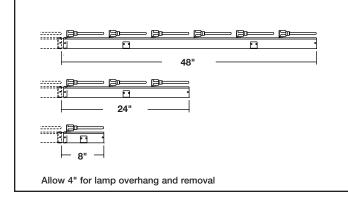


#### **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
<b>2801</b> linear fixture	NX2 seamless straight lamp up or down FX2 field curvable lamp up or down	9 watt compact fluorescent 13 13 watt compact fluorescent	1 120 volt 2 277 volt	<b>H</b> high power factor	48 48" length (6 lamps)  24 24" length (3 lamps)  8 8" length (1 lamp)
CUL US LISTED DAMP LOCATION					<i>''</i>

25%" without bracket

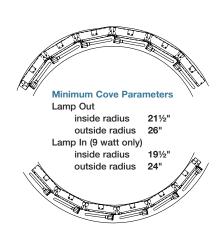
3%"



### 2801 NX2S/FX2S™

9 & 13 Watt Seamless Straight and Field Curvable System

- Compact Fluorescent Lamp Options:
  - 9 Watt (G23) Compact Fluorescent
  - 13 Watt (GX23) Compact Fluorescent
- Voltage Options:
  - 120 Volt
  - 277 Volt
- High Power Factor Ballast
- 8" On Center Spacing





#### **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
2801 linear fixture	NX2S seamless straight lamp in or out  FX2S field curvable lamp in or out	9 9 watt compact fluorescent 13 13 watt compact fluorescent	1 120 volt 2 277 volt	<b>H</b> high power factor	48 48" length (6 lamps)  24 24" length (3 lamps)  8 8" length
CUL US LISTED DAMP LOCATION		(lamp out only)			(1 lamp)

### The 2880 Series

THE 2880 COMPACT FLUORESCENT

SERIES IS DESIGNED TO BE LAMP

COMPATIBLE WITH SPECIFICATION GRADE

DOWNLIGHTS BY FEATURING 26W QUAD

AND 32W AND 42W HEX COMPACT

FLUORESCENT LAMPS IN A LINEAR

CONFIGURATION. IDEALLY SUITED TO

LARGE OPEN SPACES THAT REQUIRE VERY

HIGH LEVELS OF ILLUMINATION, THESE

FIXTURES ARE FIELD CURVABLE DOWN

TO A TIGHT 231/2" RADIUS.





2880 NX2S 32 WATT

2880 FX2 26 WATT

Lamps facing up

These products protected by one or more of the following U.S. patents 5,448,460, 5,221,139 and 5,452,187. Other patents pending.

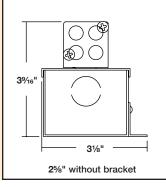


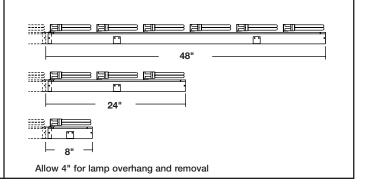
#### TABLE OF CONTENTS



2880 FX2S 42 WATT Lamps facing out

2880 FX2 26 WATT Lamps facing up

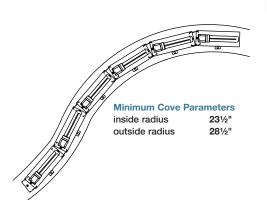




## 2880 NX2/FX2™

26 WATT QUAD SEAMLESS STRAIGHT AND FIELD CURVABLE SYSTEM

- Lamp Compatible with Specification Grade Compact Fluorescent Downlights
- High Performance Compact Fluorescent Lamp Options:
  - 26 Watt Quad (G24d-3) High Performance Compact Fluorescent
  - 26 Watt Quad (G24q-3) High Performance Compact Fluorescent
- · Voltage Options:
  - 120 Volt
  - 277 Volt
- · Ballast Options:
  - High Power Factor
  - Electronic
- 8" On Center Spacing

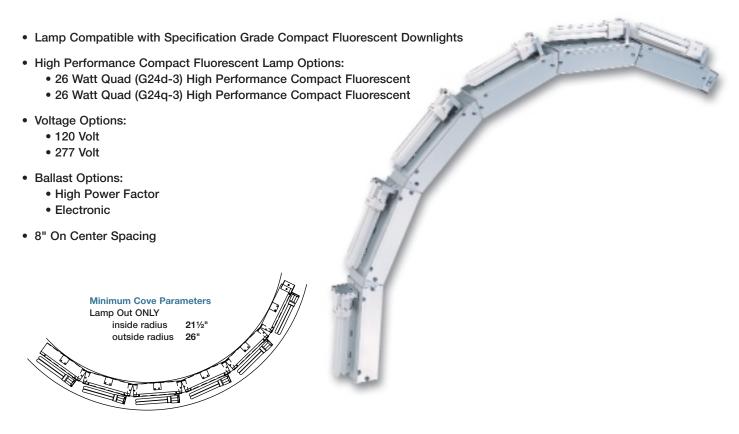




SERIES	LAMP Configuration	LAMP	VOLTAGE	BALLAST	LENGTH
2880 linear fixture	NX2 seamless straight lamp up or down	<b>26</b> 26 watt quad compact fluorescent	<b>1</b> 120 volt <b>2</b>	<b>H</b> high power factor	<b>48</b> 48" length (6 lamps)
<b>FX2</b> field curvable lamp up or dowr		(G24d-3) 	277 volt		<b>24</b> 24" length (3 lamps)
		26 watt quad compact fluorescent (G24q-3)	120 volt  2 277 volt	electronic	8 8" length (1 lamp)
OAMP LOCATION			ZII VOIL		

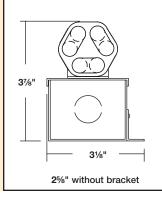
## 2880 NX2S/FX2S™

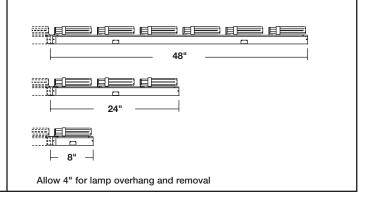
26 WATT QUAD SEAMLESS STRAIGHT AND FIELD CURVABLE SYSTEM



## **Ordering Format**

SERIES	LAMP Configuration	LAMP	VOLTAGE	BALLAST	LENGTH
<b>2880</b> linear fixture	seamless straight lamp out only  FX2S field curvable lamp out only	<b>26</b> 26 watt quad compact fluorescent (G24d-3)	1 120 volt 2 277 volt	<b>H</b> high power factor	<b>48</b> 48" length (6 lamps) <b>24</b> 24" length
CUL US LISTED DAMP LOCATION		26 26 watt quad compact fluorescent (G24q-3)	1 120 volt 2 277 volt	E electronic 8 8"	(3 lamps)

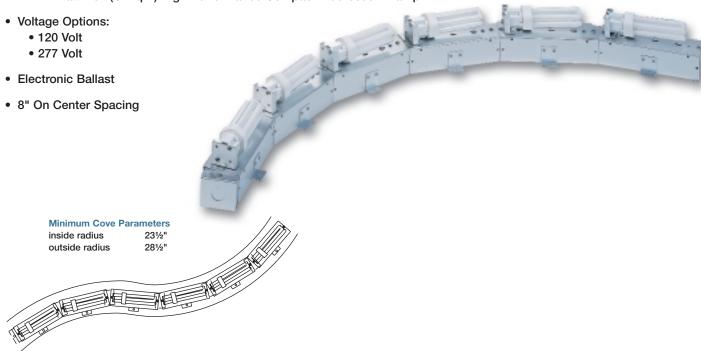




## 2880 NX2/FX2™

32 & 42 WATT HEX SEAMLESS STRAIGHT AND FIELD CURVABLE SYSTEM

- Lamp Compatible with Specification Grade Compact Fluorescent Downlights
- High Performance Compact Fluorescent Lamp Options:
  - 32 Watt Hex (G24q-3) High Performance Compact Fluorescent Lamp
  - 42 Watt Hex (G24q-4) High Performance Compact Fluorescent Lamp

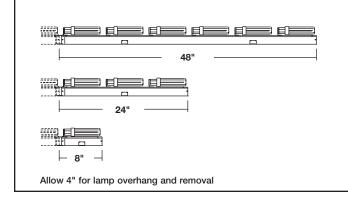


## **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
2880	NX2	32	1	E	48
linear fixture	seamless straight lamp up or down	32 watt hex compact fluorescent (G24q-3)	120 volt <b>2</b>	electronic	48" length (6 lamps)
	<b>FX2</b> field curvable lamp up or down	<b>42</b> 42 watt hex compact fluorescent (G24q-4)	277 volt		<b>24</b> 24" length (3 lamps)
					<b>8</b> 8" length (1 lamp)
CUL US LISTED DAMP LOCATION					

25/8" without bracket

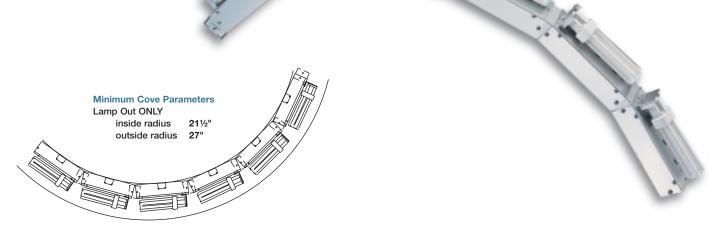
37/8"



## 2880 NX2S/FX2S™

32 & 42 WATT HEX SEAMLESS STRAIGHT AND FIELD CURVABLE SYSTEM

- Lamp Compatible with Specification Grade Compact Fluorescent Downlights
- High Performance Compact Fluorescent Lamp Options:
  - 32 Watt Hex (G24q-3) High Performance Compact Fluorescent Lamp
  - 42 Watt Hex (G24q-4) High Performance Compact Fluorescent Lamp
- · Voltage Options:
  - 120 Volt
  - 277 Volt
- Electronic Ballast
- 8" On Center Spacing



## **Ordering Format**

SERIES	LAMP CONFIGURATION	LAMP	VOLTAGE	BALLAST	LENGTH
2880 linear fixture	NX2S seamless straight lamp out only	<b>32</b> 32 watt hex compact fluorescent (G24q-3)	<b>1</b> 120 volt <b>2</b>	E electronic	<b>48</b> 48" length <i>(6 lamps)</i>
	FX2S field curvable lamp out only	<b>42</b> 42 watt hex compact fluorescent (G24q-4)	277 volt		<b>24</b> 24" length (3 lamps)
					<b>8</b> 8" length (1 lamp)
CUL US LISTED DAMP LOCATION					

# The 2862 Series Low Profile Modules

THE 2862 COMPACT FLUORESCENT LOW
PROFILE MODULES FEATURE 9W, 13W,
18W, 39W, 40W AND 50W COLOR
CORRECTED LAMPS ON SMALL, LOW
PROFILE REMOTE OR INTEGRAL BALLAST
HOUSINGS. SUITABLE FOR THOSE UNUSUAL
ARCHITECTURAL POCKETS WHICH REQUIRE
HIGH ILLUMINATION FROM MINIATURIZED
FLUORESCENT SOURCES, THE 2862
SERIES OFFERS LIGHTING DESIGN
FLEXIBILITY WITH A VARIETY OF HIGH
POWER FACTOR, NORMAL POWER FACTOR,
DIMMING OR ELECTRONIC BALLASTS.





2862 40/50 WATT REMOTE MODULE





2862 9 WATT MODULE



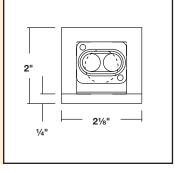
2862 13 WATT MODULE



**2862 18 WATT REMOTE** 



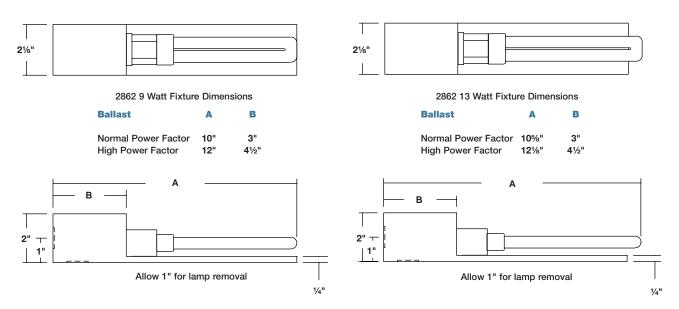
**2862 39 WATT REMOTE** 



# 2862 Low Profile Modules

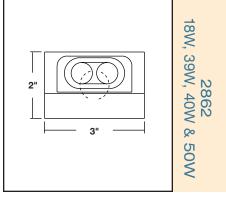
9 & 13 Watt Low Profile Module

- Compact Fluorescent Lamp Options:
  - 9 Watt (G23) Compact Fluorescent
  - 13 Watt (GX23) Compact Fluorescent
- 120 Volt
- · Ballast Options:
  - Normal Power Factor
  - High Power Factor



## **Ordering Format**

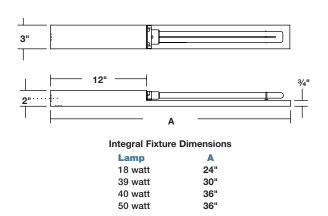
SERIES	LAMP	VOLTAGE	BALLAST
862	9	1	N
nodule	9 watt compact fluorescent	120 volt	normal power factor
	13 13 watt compact fluorescent		H high power factor
UL) US LISTED			

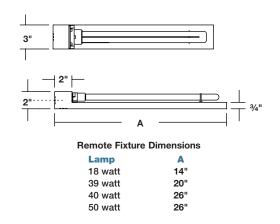


## 2862 Low Profile Modules

18, 39, 40 & 50 Watt Low Profile Integral & Remote Module

- High Performance Compact Fluorescent Lamp Options:
  - 18 Watt (2G11) High Performance Compact Fluorescent (rapid start)
  - 39 Watt (2G11) High Performance Compact Fluorescent
  - 40 Watt (2G11) High Performance Compact Fluorescent
  - 50 Watt (2G11) High Performance Compact Fluorescent
- · Voltage Options:
  - 120 Volt
  - 277 Volt
- · Remote and Integral Ballast Options:
  - High Power Factor (18, 39 and 40 watt only)
  - Electronic
  - Dimming (39, 40 and 50 watt only)
- Remote Ballast Box Constructed of White Formed Aluminum (2" x 3" x 12")





## **Ordering Format**

SERIES	BALLAST MOUNT	LAMP	VOLTAGE	BALLAST
<b>2862</b> module	R remote I integral	18 18 watt compact fluorescent (rapid start) 39 39 watt compact fluorescent	1 120 volt 2 277 volt	H high power factor (18, 39 & 40 watt only)  E electronic
CUL US LISTED DAMP LOCATION		40 40 watt compact fluorescent 50 50 watt compact fluorescent		<b>D</b> dimming (39, 40 & 50 watt only)

## **Compact Fluorescent Lamps**

LUMEN OUTPUT CHART IS LOCATED ON PAGE 11

#### 2801 SERIES

CF9/35K
 9W Twin G23 base Compact Fluorescent 3500°K
 CF13/35K
 13W Twin GX23 base Compact Fluorescent 3500°K

#### 2850 SERIES

• CF18/35K/RS 18W Twin 2G11 base Compact Fluorescent 3500°K Rapid Start

CF39/35K
 39W Twin 2G11 base Compact Fluorescent 3500°K
 CF40/35K
 CF50/35K
 CF50/35K
 S0W Twin 2G11 base Compact Fluorescent 3500°K
 CF50/35K

#### 2855 SERIES

CF9/35K
 9W Twin G23 base Compact Fluorescent 3500°K
 CF13/35K
 13W Twin GX23 base Compact Fluorescent 3500°K

CF18/35K/RS 18W Twin 2G11 base Compact Fluorescent 3500°K Rapid Start

CF39/35K
 39W Twin 2G11 base Compact Fluorescent 3500°K
 CF40/35K
 CF50/35K
 CF50/35K
 S0W Twin 2G11 base Compact Fluorescent 3500°K
 CF50/35K

#### 2862 SERIES

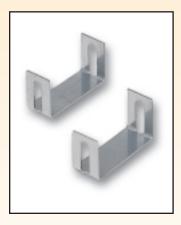
CF9/35K
 9W Twin G23 base Compact Fluorescent 3500°K
 CF13/35K
 13W Twin GX23 base Compact Fluorescent 3500°K

• CF18/35K/RS 18W Twin 2G11 base Compact Fluorescent 3500°K Rapid Start

CF39/35K
 CF40/35K
 CF40/35K
 CF50/35K
 CF50/35K
 SOW Twin 2G11 base Compact Fluorescent 3500°K
 CF50/35K
 CF50/35K
 CF50/35K

#### 2880 SERIES

CF26Q/35K/2
 CF26Q/35K/4
 CF26Q/35K/4
 CF32H/35K/4
 CF42H/35K/4
 CF42H/35



2850 and 2855 installations where the lamp is in the down position may require an auxiliary lamp clip that snaps over standard lamp clip.

Please order P-2013-01-00 (one required per lamp)



## Just a word about ballasts...

Belfer works closely with ballast manufacturers to test and select quality ballasts in order to ensure the most reliable fixture operation.

There are four different types of ballasts utilized in our fluorescent products.

#### NORMAL POWER FACTOR (N OR NPF) BALLASTS:

Quality Normal Power Factor ballasts are primarily used in installations where minimum space is available.

#### HIGH POWER FACTOR (H OR HPF) BALLASTS:

Our standard High Power Factor ballasts carry a Class A sound rating and offer a Power Factor rating of .90 or better. High Power Factor ballasts consume less energy than Normal Power Factor (NPF) ballasts due to capacitive power factor correction.

#### ELECTRONIC (E OR ELB) BALLASTS:

Our standard Electronic ballasts also carry a Class A sound rating and are quieter and less expensive to operate than High Power Factor (HPF) or Normal Power Factor (NPF) ballasts. Electronic ballasts are able to start lamps at lower temperatures and are more efficient than High Power Factor ballasts due to high frequency operation.

#### DIMMING (D OR DIM) BALLASTS:

Belfer is an authorized Lutron Dimming ballast OEM. Lutron provides one of the most popular and reliable Dimming ballasts in the industry. These ballasts provide a dimming range of 100% to 10%. Although Lutron Dimming ballasts are standard in many of our products, other quality dimming sources are available. Please consult our sales department for more information.

#### SUBSTITUTION OF BALLASTS:

Based on our quality assured testing of ballasts, unless specified, we select ballasts at our discretion. Of course, the specification may indicate a particular type or brand of ballast suitable for the installation. This may adjust costs and lead times for our products. At the customers request, we will also install ballasts supplied to us by an authorized ballast distributor. If requested, we may also ship fluorescent products without ballasts.

#### BALLAST WARRANTIES:

At Belfer, we supply the best grade of ballasts from top rated manufacturers. Ballasts are covered by warranties issued by the ballast manufacturer. This warranty is passed through to our customer. There are varying terms and conditions that may apply to your specific installation. Copies of respective ballast warranties are available upon request.

#### REMOTE BALLAST BOXES:

Belfer Remote Ballast Boxes are constructed of white formed aluminum for superior heat transfer and corrosion resistance. Ballast Box sizes are listed on each product page (where applicable).

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