87G24

CONFINEMENT SERIES
GRID LUMINAIRE
MINIMUM TO MAXIMUM SECURITY
FLUORESCENT/LED/H.I.D

New Star

Made in America

PROJECT:	
TYPE:	
PRODUCT:	
APPROVED:	
DATE:	

DIMENSIONAL DATA

23.69"
22.63"
12.25"

23.63"
22.44"
9.00" — 9.00"
22.63" 23.69"
11.84"

(2) 7/8" DIA. K.O.
2-1/2" DIA. K.O.
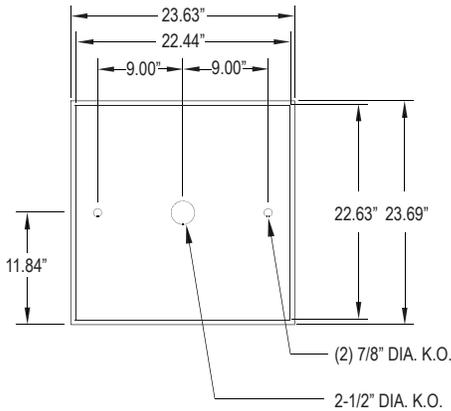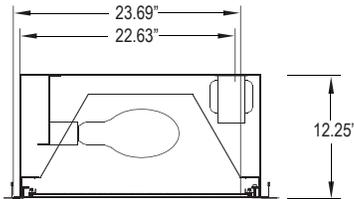
FEATURES

The New Star 87G24 Confinement recessed grid fixture is composed of a solid square housing die formed in CRS.

- 18-12 gauge cold rolled steel or stainless steel with continuous seam welds
- 16 gauge full length continuous staked piano hinge with welded ends
- Wide variety of lens options held in place with Z-Channel and weld studs
- Black neoprene gasket around interior door frame to prevent light leaks.
- Tamper resistence Torx head center pin screws standard

APPLICATION

- Confinement
- Gymnasiums
- Warehouses
- Schools
- Parking Structures
- Public Areas
- Locker Rooms
- Parking Structures
- Psychiatric Wards
- Detention Centers
- Public Housing Complexes

SPECIFICATION FEATURES

HOUSING:
Die formed, seam welded, and ground smooth (specify material and gauge). Incorporates a removable reflector unitized with all electrical components for easy installation and maintenance.

FRAME:
Die formed one-piece frame with tightly closed corners.

HINGE:
16 gauge full length continuous, staked piano hinge with welded ends. to prevent removal (material to match housing).

LENS:
Polycarbonate or tempered glass lens sealed to frame.

LENS RETAINER:
14 gauge cold rolled retaining angles attached to through door studs for positive lens clamping

ELECTRONICS:
Fluorescent:
Electronic Ballast <10% THD standard. RIF available. Lamps by others.

LED:
Available in three standard color temperatures 3500˚K,4000˚K & 5000˚K. Other color temperatures available, consult factory.

GASKET:
Black neoprene gasket around interior door frame to prevent light leaks.

FASTENERS:
Tamper resistant countersunk, flat head Torx screws, with center pin reject

FINISH:
White powercoat finish following an iron phosphate pre-treatment.

LABEL:
c UL us

ORDERING INFORMATION

Product Family	Housing	Frame	# of Lamps	Lamp Type	# Ballasts/Drivers
87G24 -					

87G24 23-11/16"x 23-11/16"x12-1/4"	A = 12 Ga. CRS G = 18 Ga. SS
	B = 14 Ga. CRS (Brushed)
	C = 16 Ga. CRS H = 14 Ga. SS
	D = 18 Ga. CRS (Painted)
	E = 14 Ga. SS J = 16 Ga. SS
	  (Brushed) (Painted)
	F = 16 Ga. SS K = 18 Ga.SS
	  (Brushed) (Painted)
		A = 12 Ga. CRS G = 18 Ga. SS
		B = 14 Ga. CRS (Brushed)
		C = 16 Ga. CRS H = 14 Ga. SS
		D = 18 Ga. CRS (Painted)
		E = 14 Ga. SS J = 16 Ga. SS
		  (Brushed) (Painted)
		F = 16 Ga. SS K = 18 Ga.SS
		  (Brushed) (Painted)
			FLUORESCENT:
			87G24
			1 = 1 Lamp
			2 = 2 Lamp
			HID:
			1 = 1 Lamp
			LED:
			87G24
			L2 = LED 2 Bds(5000lms)
			L3 = LED 3 Bds(7500lms)
				FLUORESCENT 87G24 HID
				87G24 50 = 50W MH - HPS∞
				42 = 42W Triple Gx24q-4 70 = 70W MH - HPS∞
				57 = 57W Triple Gx24q-5 100 = 100W MH - HPS∞
				70 = 70W Triple Gx24q-6 150 = 150W MH - HPS∞
				LED:- 87G24 HID
				35 = White 3500˚ K 150 = 150W MH - HPS∞
				40 = White 4000˚ K 250 = 250W MH - HPS∞
				50 = White 5000˚ K 400 = 400W MH - HPS∞
					Fluorescent: LED:
					1 = Ballast 1 = Driver
					2 = Ballast 2 = Driver

Outer Lens	Inner Lens	Voltage	Options
-	/	-	-

Ø = No Lens 6 = .250 Clear Temp.Glass
1 = .187 Clear Poly. 7 = .375 Clear Temp.Glass ^
2 = .250 Clear Poly. 8 = .500 Clear Temp.Glass ^
3 = .375 Clear Poly. 9 = .750 Clear Temp.Glass ^
5 = .187 Clear Temp.
  Glass
	Ø = No Lens
	C = .156 Pris. Poly. ^
	E = .156 Pris. Temp. Glass
	L = .187 Prismatic Tempered Glass ^
	LC3 = .125 White Frosted Polycarbonate
		12 = 120V
		27 = 277V
		34 = 347V ■
		UN = Universal
		  (120V-277V
			E1 = Emerg. Bat (350-700 Lumens) for CFL*
			EL1= Emerg. Bat. LED Low
			EL2= Emerg. Bat. LED High
			FZ = GLR fuse and holder
			AL = Aluminum door frame (white finish)
			SS = Stainless Steel door frame (#4 finish)

^ Must Use 12 or 14 Gauge Frame
* Cannot use with universal voltage option

∞ Must use glass inner lens when using HID lamp source
● Two lamps not available with Emergency Ballast

■ Consult factory for lamp-ballast options
○ Fluorescent only

New Star
www.newstarlighting.com

Notes:
Specifications and Dimensions are subject to change without notice. For additional options and dimensional details please consult your New Star Lighting Representative. For specific electronic ballast, specify brand and catalog number.

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