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UL 508
EN/IEC 60947-1
EN/IEC 60947-5-1
CSA 22.2 No. 14

cULus Listed (File No. E14840,
Guides NKCR, NKCR7)
CF Marked

Bulletin 855BS — 90 mm Beacons

a

bC

d

LED/Lens Color	
Code	Description
345	Green, red, amber❖
3	Green
4	Red
5	Amber
6	Blue
7	Clear
8	Yellow

- ❖ Green, Red, Amber color combination is only valid for the three color LED selection (**ML**).

Round Beacons

Product Selection

90 mm Beacons

Base Type	Voltage	Function	Color	Cat. No.
Surface Mount*	24V AC/DC	Steady Halogen	Red	855BS-S24DH4
			Amber	855BS-S24DH5
		Rotating Halogen	Red	855BS-S24RH4
			Amber	855BS-S24RH5
		Xenon Strobe	Red	855BS-S24BR4
			Amber	855BS-S24BR5
	120V AC	Steady Halogen	Red	855BS-S10DH4
			Amber	855BS-S10DH5
		Rotating Halogen	Red	855BS-S10RH4
			Amber	855BS-S10RH5
		Xenon Strobe	Red	855BS-S10BR4
			Amber	855BS-S10BR5
1/2 in. NPT Conduit Mount	24V AC/DC	Steady Halogen	Red	855BS-N24DH4
			Amber	855BS-N24DH5
		Rotating Halogen	Red	855BS-N24RH4
			Amber	855BS-N24RH5
		Xenon Strobe	Red	855BS-N24BR4
			Amber	855BS-N24BR5
	120V AC	Steady Halogen	Red	855BS-N10DH4
			Amber	855BS-N10DH5
		Rotating Halogen	Red	855BS-N10RH4
			Amber	855BS-N10RH5
		Xenon Strobe	Red	855BS-N10BR4
			Amber	855BS-N10BR5

90 mm LED Beacons

Base Type	Voltage	Function	Color	Cat. No.
Surface Mount★	24/48V AC/DC	Single-Color LED	Red	855BS-S35SL4
			Amber	855BS-S35SL5
			Blue	855BS-S35SL6
	120/240V AC/DC		Red	855BS-S45SL4
			Amber	855BS-S45SL5
			Blue	855BS-S45SL6
	24V AC/DC	Three-Color LED	Green, Red, Amber	855BS-S24ML345
	120V AC		Green, Red, Amber	855BS-S10ML345
	24/48V AC/DC	Single/Double Strobe LED	Red	855BS-S35BL4
			Amber	855BS-S35BL5
	Blue		855BS-S35BL6	
	120V AC		Red	855BS-S10BL4
1/2 in. NPT Conduit Mount	24/48V AC/DC	Single-Color LED	Red	855BS-N35SL4
			Amber	855BS-N35SL5
			Blue	855BS-N35SL6
	120/240V AC/DC		Red	855BS-N45SL4
			Amber	855BS-N45SL5
			Blue	855BS-N45SL6
	24V AC/DC	Three-Color LED	Green, Red, Amber	855BS-N24ML345
	120V AC		Green, Red, Amber	855BS-N10ML345
	24/48V AC/DC	Single/Double Strobe LED	Red	855BS-N35BL4
			Amber	855BS-N35BL5
	Blue		855BS-N35BL6	
	120V AC		Red	855BS-N10BL4

* When used outdoors, surface mount base must be installed with rough wall plate for NEMA Type 4/4X/13 rating, otherwise NEMA Type 1 only.

Bulletin 855BM — 120 mm Beacons

855BM – $\frac{S}{a}$ $\frac{10}{b}$ $\frac{FH}{c}$ $\frac{4}{d}$

a

Base Type	
Code	Description
S	Surface mount*
N	1/2 in. NPT conduit mount
T	25 mm tube mount

b

Voltage	
Code	Description
12	12V AC/DC
24	24V AC/DC
10	120V AC
20	240V AC

c

Function	
Code	Description
DH	Steady halogen
FH	Flashing halogen
RH	Rotating halogen
BR	Xenon strobe‡

d

Lens Color	
Code	Description
3	Green
4	Red
5	Amber
6	Blue
7	Clear
8	Yellow

* When used outdoors surface mount base must be installed with rough wall plate for UL Type 4/4X/13 rating, otherwise UL Type 1 only.

‡ Not available in 12V AC/DC.

Base Type	Voltage	Function	Color	Cat. No.
Surface Mount*	24V AC/DC	Steady Halogen	Red	855BM-S24DH4
			Amber	855BM-S24DH5
			Blue	855BM-S24DH6
		Rotating Halogen	Red	855BM-S24RH4
			Amber	855BM-S24RH5
			Blue	855BM-S24RH6
		Strobe	Red	855BM-S24BR4
			Amber	855BM-S24BR5
			Blue	855BM-S24BR6
	120V AC	Steady Halogen	Clear	855BM-S24BR7
			Red	855BM-S10DH4
			Amber	855BM-S10DH5
			Blue	855BM-S10DH6
		Rotating Halogen	Red	855BM-S10RH4
			Amber	855BM-S10RH5
			Blue	855BM-S10RH6
		Strobe	Red	855BM-S10BR4
			Amber	855BM-S10BR5
			Blue	855BM-S10BR6
1/2 in. NPT Conduit Mount	24V AC/DC	Steady Halogen	Clear	855BM-S10BR7
			Red	855BM-N24DH4
			Amber	855BM-N24DH5
			Blue	855BM-N24DH6
		Rotating Halogen	Red	855BM-N24RH4
			Amber	855BM-N24RH5
			Blue	855BM-N24RH6
		Strobe	Red	855BM-N24BR4
			Amber	855BM-N24BR5
			Blue	855BM-N24BR6
	120V AC	Steady Halogen	Clear	855BM-N24BR7
			Red	855BM-N10DH4
			Amber	855BM-N10DH5
			Blue	855BM-N10DH6
		Rotating Halogen	Red	855BM-N10RH4
			Amber	855BM-N10RH5
			Blue	855BM-N10RH6
		Strobe	Red	855BM-N10BR4
			Amber	855BM-N10BR5
			Blue	855BM-N10BR6
			Clear	855BM-N10BR7

* When used outdoors surface mount base must be installed with rough wall plate for UL Type 4/4X/13 rating, otherwise UL Type 1 only.

Round Beacons

Product Selection

Bulletin 855BL — 160 mm Beacons

855BL – $\frac{N}{a}$ $\frac{24}{b}$ $\frac{DH}{c}$ $\frac{5}{d}$

<i>a</i> Base Type		<i>b</i> Voltage		<i>c</i> Function		<i>d</i> Lens Color	
Code	Description	Code	Description	Code	Description	Code	Description
S	Surface mount*	12	12V AC/DC	DH	Steady halogen	3	Green
N	1 in. NPT conduit mount	24	24V AC/DC	FH	Flashing halogen	4	Red
T	30 mm tube mount	10	120V AC	RH	Rotating halogen	5	Amber
		20	240V AC	BR	Xenon strobe†	6	Blue
						7	Clear
						8	Yellow

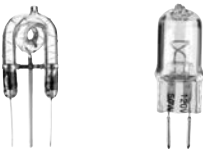
* When used outdoors surface mount base must be installed with rough wall plate for UL Type 4/4X/13 rating, otherwise UL Type 1 only.

† Not available in 12V AC/DC.

Base Type	Voltage	Function	Color	Cat. No.
Surface Mount★	24V AC/DC	Steady Halogen	Red	855BL-S24DH4
			Amber	855BL-S24DH5
			Blue	855BL-S24DH6
		Rotating Halogen	Red	855BL-S24RH4
			Amber	855BL-S24RH5
			Blue	855BL-S24RH6
		Strobe	Red	855BL-S24BR4
			Amber	855BL-S24BR5
			Blue	855BL-S24BR6
	120V AC	Steady Halogen	Clear	855BL-S24BR7
			Red	855BL-S10DH4
			Amber	855BL-S10DH5
		Rotating Halogen	Blue	855BL-S10DH6
			Red	855BL-S10RH4
			Amber	855BL-S10RH5
		Strobe	Blue	855BL-S10RH6
			Red	855BL-S10BR4
			Amber	855BL-S10BR5
1 in. NPT Conduit Mount	24V AC/DC	Steady Halogen	Blue	855BL-S10BR6
			Clear	855BL-S10BR7
			Red	855BL-N24DH4
		Rotating Halogen	Amber	855BL-N24DH5
			Blue	855BL-N24DH6
			Red	855BL-N24RH4
		Strobe	Amber	855BL-N24RH5
			Blue	855BL-N24RH6
	120V AC		Steady Halogen	Red
		Amber		855BL-N24BR5
		Blue		855BL-N24BR6
		Rotating Halogen	Clear	855BL-N24BR7
			Red	855BL-N10DH4
			Amber	855BL-N10DH5
		Strobe	Blue	855BL-N10DH6
			Red	855BL-N10RH4
			Amber	855BL-N10RH5
Blue	855BL-N10RH6			
Strobe	Red	855BL-N10BR4		
	Amber	855BL-N10BR5		
	Blue	855BL-N10BR6		
	Clear	855BL-N10BR7		

Round Beacons

Accessories

	Description		90 mm	120 mm	160 mm
	Replacement Lamps	Voltage	Cat. No.	Cat. No.	Cat. No.
	Xenon strobe tube		—	855BM-LS	855BL-LS
	Halogen for steady burning, flashing, and rotating illumination functions	12V AC/DC	855BS-LH12	855BM-LH12	855BL-LH12
		24V AC/DC	855BS-LH24	855BM-LH24	855BL-LH24
		120V AC	855BS-LH10	855BM-LH10	855BL-LH10
		240V AC	855BS-LH20	855BM-LH20	855BL-LH20
	Replacement Lenses	Lens Color	Cat. No.	Cat. No.	Cat. No.
		Green	855BS-ASL3	855BM-ASL3	855BL-ASL3
		Red	855BS-ASL4	855BM-ASL4	855BL-ASL4
		Amber	855BS-ASL5	855BM-ASL5	855BL-ASL5
		Blue	855BS-ASL6	855BM-ASL6	855BL-ASL6
		Clear	855BS-ASL7	855BM-ASL7	855BL-ASL7
	Fresnel lens for steady and flashing halogen and xenon strobe functions (not for use in LED beacons)	Green	855BS-AFL3	855BM-AFL3	855BL-AFL3
		Red	855BS-AFL4	855BM-AFL4	855BL-AFL4
		Amber	855BS-AFL5	855BM-AFL5	855BL-AFL5
		Blue	855BS-AFL6	855BM-AFL6	855BL-AFL6
		Clear	855BS-AFL7	855BM-AFL7	855BL-AFL7
		Yellow	855BS-AFL8	855BM-AFL8	855BL-AFL8
	LED lens for 90 mm beacons only	Green	855BS-ALL3	—	—
		Red	855BS-ALL4	—	—
		Amber	855BS-ALL5	—	—
		Blue	855BS-ALL6	—	—
		Clear	855BS-ALL7	—	—
		Yellow	855BS-ALL8	—	—
	Power Modules†	Voltage	Cat. No.	Cat. No.	Cat. No.
		12V AC/DC	855BS-ARA12	855BM-ARA12	855BL-ARA12
		24V AC/DC	855BS-ARA24	855BM-ARA24	855BL-ARA24
		120V AC	855BS-ARA10	855BM-ARA10	855BL-ARA10
		240V AC	855BS-ARA20	855BM-ARA20	855BL-ARA20
	Steady power module	12V AC/DC	855BS-ADA12	855BM-ADA12	855BL-ADA12
		24V AC/DC	855BS-ADA24	855BM-ADA24	855BL-ADA24
		120V AC	855BS-ADA10	855BM-ADA10	855BL-ADA10
		240V AC	855BS-ADA20	855BM-ADA20	855BL-ADA20
	Flashing power module	12V AC/DC	855BS-AFA12	855BM-AFA12	855BL-AFA12
		24V AC/DC	855BS-AFA24	855BM-AFA24	855BL-AFA24
		120V AC	855BS-AFA10	855BM-AFA10	855BL-AFA10
		240V AC	855BS-AFA20	855BM-AFA20	855BL-AFA20
	Strobe power module	24V AC/DC	855BS-ABA24	855BM-ABA24	855BL-ABA24
		120V AC	855BS-ABA10	855BM-ABA10	855BL-ABA10
		240V AC	855BS-ABA20	855BM-ABA20	855BL-ABA20

† All power modules include a lamp.

	Description	90 mm	120 mm	160 mm
	Replacement Bases	Cat. No.	Cat. No.	Cat. No.
	Surface mount base*	855BS-ABS	855BM-ABS	855BL-ABS
	1/2 in. NPT conduit mount base	855BS-ABN	855BM-ABN	855BL-ABN
	Tube mount base	855BS-ABT	855BM-ABT	855BL-ABT
	Miscellaneous Accessories and Replacement Parts	Cat. No.	Cat. No.	Cat. No.
	Lens gasket (must order in multiples of 5)	855BS-ALSG	855BM-ALSG	855BL-ALSG
	Surface mount gaskets (must order in multiples of 5)	855BS-ASFG	855BM-ASFG	855BL-ASFG
	Tube mount gaskets (must order in multiples of 5)	855BM-AMTG	855BM-AMTG	855BL-AMTG
	Magnetic mount	855BS-AMM	855BM-AMM	855BL-AMM
	Rough wall plate*	855BS-AWP	855BM-AWP	855BL-AWP
	Vertical bracket	855BS-AVM	855BM-AVM	855BL-AVM
	Screws and washers for rough wall plate and magnetic mount	855BS-ASCW	855BM-ASCW	
	Bonding kit (required for bonding between conduit connections)	855BM-ABK		

* When used outdoors surface mount base must be installed with rough wall plate for UL Type 4/4X/13 rating.

* Required for UL Type 4/4X/13 rating when using surface mount base outdoors.

Round Beacons

Specifications

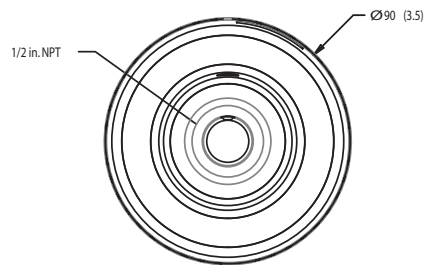
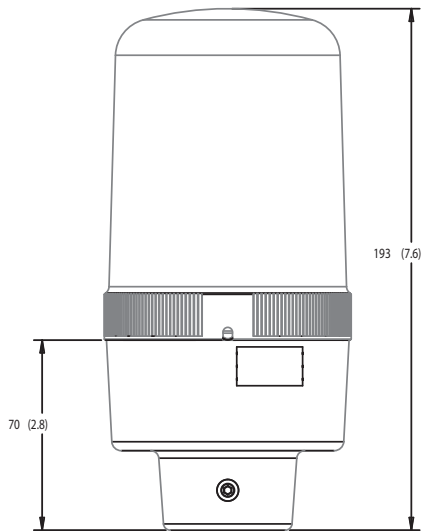
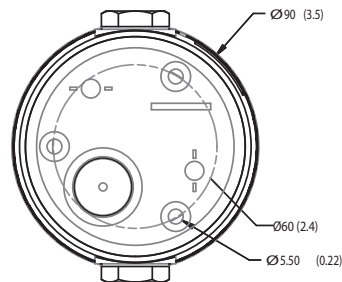
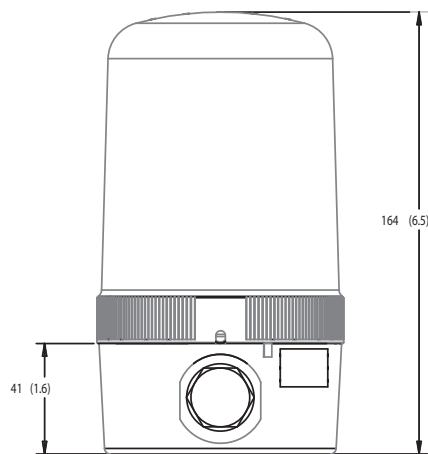
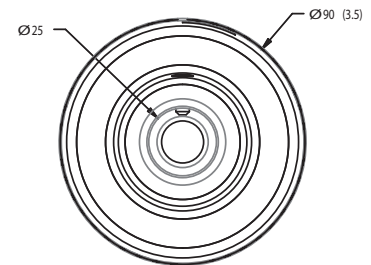
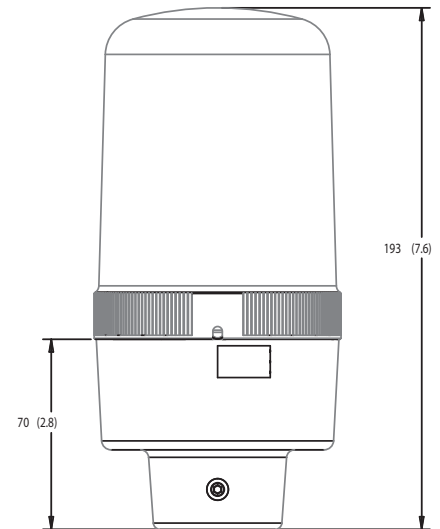
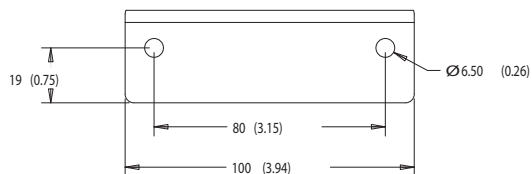
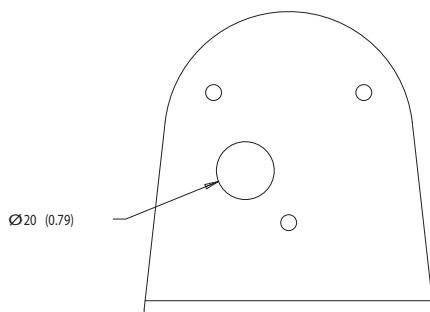
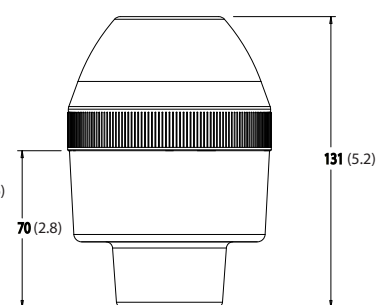
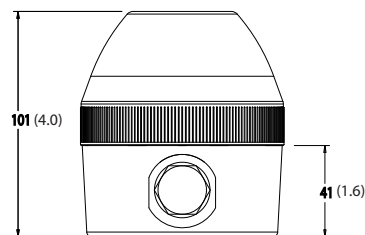
Specifications

Technical	
Base material	Polycarbonate
Lenses (all)	Polycarbonate, red, amber, yellow, green, blue, and clear
Housing	90 mm: polycarbonate
	120 mm and 160 mm: aluminum die cast, powder-coated
Bracket	Powder-coated steel
Protection class	Type 4/4X/13 (surface mount base must be installed with rough wall plate for Type 4/4X/13 rating), IP65
Terminals (120 mm and 160 mm only)	up to 2.5 mm ² (14 AWG)
Operation temperature range	-25...+60 °C (-13...+140 °F); -25...+50 °C (-13...+122 °F), 120 & 160 mm steady halogen, and 120/240V AC single-color LED
Storage temperature range	-25...+85 °C (-13...185 °F)
Mounting	Horizontal surfaces: indoor — direct to the surface, outdoor — with additional metal plate between surface and base part Vertical surfaces: with bracket, for indoor and outdoor Tube or NPT conduit mounting: for indoor and outdoor

Electrical and Mechanical													
	Steady Halogen			Flashing Halogen			Strobe			Rotating Light			
	160 mm	120 mm	90 mm	160 mm	120 mm	90 mm	160 mm	120 mm	90 mm	160 mm	120 mm	90 mm	
Halogen bulb	50 W	35 W	20 W	50 W	35 W	20 W	—	—	—	50 W	35 W	20 W	
Bulb socket	GY6.35	GY6.35	GY6.35	GY6.35	GY6.35	GY6.35	—	—	—	GY6.35	GY6.35	GY6.35	
Strobe energy	—	—	—	—	—	—	31 J	15 J	7 J	—	—	—	
Xenon strobe tube	—	—	—	—	—	—	Helical	Helical	Helical	—	—	—	
Strobe tube socket	—	—	—	—	—	—	Terminals	Terminals	Terminals	—	—	—	
Flashing/Strobe frequency	—	—	—	1 Hz	1 Hz	1 Hz	1 Hz	1 Hz	1 Hz	—	—	—	
Rotating speed - selectable via jumper wire	—	—	—	—	—	—	—	—	—	90/180 rpm	90/180 rpm	90/180 rpm	
Nominal Current	12V AC/DC	4 A	2.9 A	1.6 A	4.2 A	3 A	1.6 A	—	—	—	4.2 A	3.2 A	1.8 A
	24V AC/DC	2.1 A	1.5 A	0.8 A	2.1 A	1.5 A	0.8 A	1.9 A	1.3 A	0.48 A	2.3 A	1.7 A	0.95 A
	110/120V AC 50/60 Hz	0.42 A	0.29 A	0.2 A	0.42 A	0.3 A	0.2 A	0.7 A	0.32 A	0.21 A	0.58 A	0.32 A	0.30 A
	230/240V AC 50 Hz	0.21 A	0.15 A	0.09 A	0.21 A	0.15 A	0.09 A	0.35 A	0.15 A	0.12 A	0.39 A	0.17 A	0.27 A
Weight (Surface Mount)	900 g	500 g	251 g	900 g	500 g	251 g	900 g	500 g	296 g	900 g	500 g	378 g	
Weight (Tube Mount)	900 g	500 g	424 g	900 g	500 g	424 g	900 g	500 g	469 g	900 g	500 g	551 g	

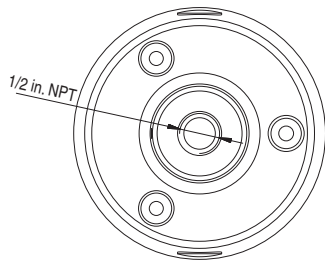
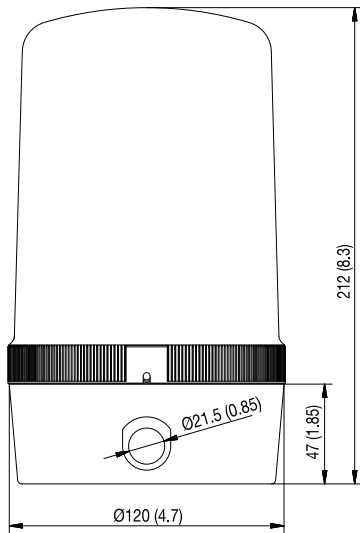
Electrical and Mechanical			
		Single-Color LED	Three-Color LED
		90 mm	
Nominal Current	24V AC/DC	—	155 mA
	110/120V AC 50/60 Hz	—	100 mA
	230/240V AC 50 Hz	—	105 mA
	24/48V AC/DC 50/60 Hz	230...270 mA (16...60V AC/16...80V DC)	300 mA (19...52V AC/16...60V DC)
	120/240V AC	38...43 mA (90...250V AC)	—
Weight (Surface Mount)		250 g	
Weight (Tube Mount)		450 g	

Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

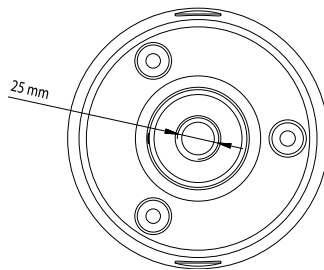
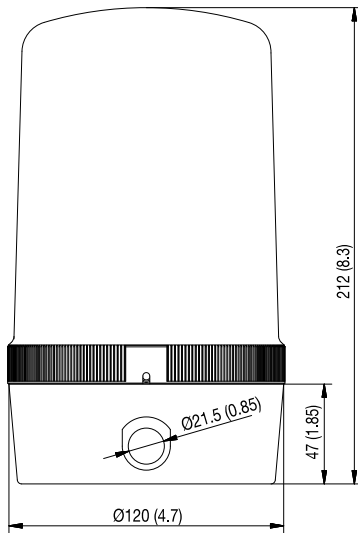
90 mm Beacon NPT Conduit Mount**90 mm Beacon Surface Mount****90 mm Beacon Tube Mount****90 mm Beacon Vertical Bracket****90 mm LED Beacon**

Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

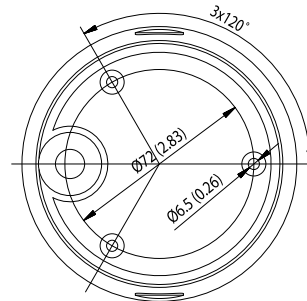
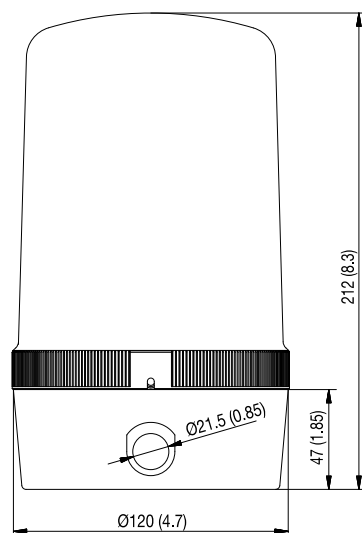
120 mm Beacon NPT Conduit Mount



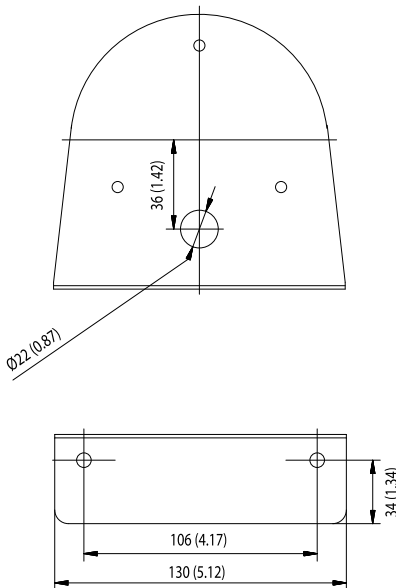
120 mm Beacon Tube Mount



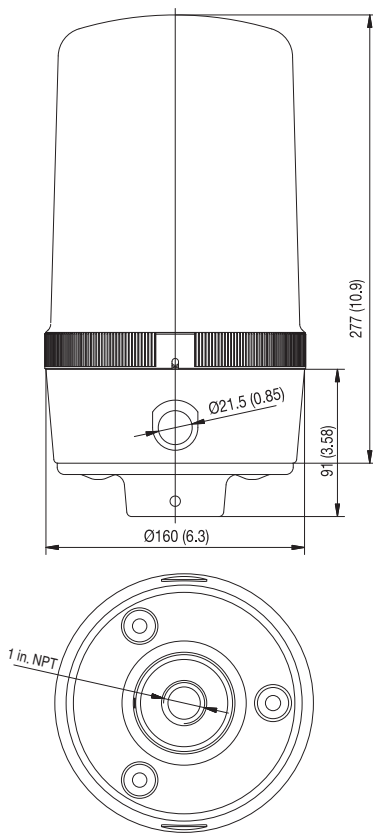
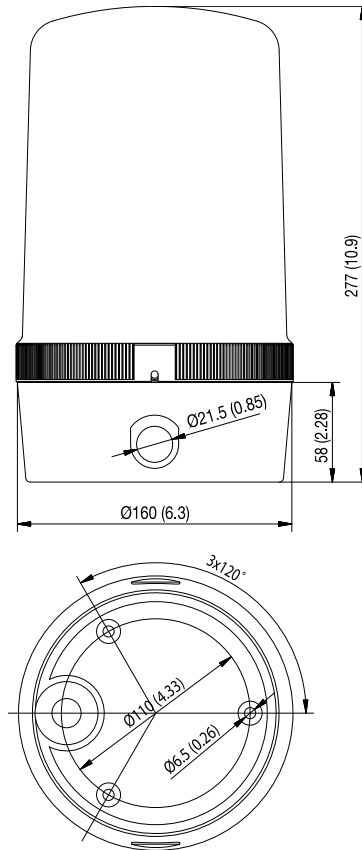
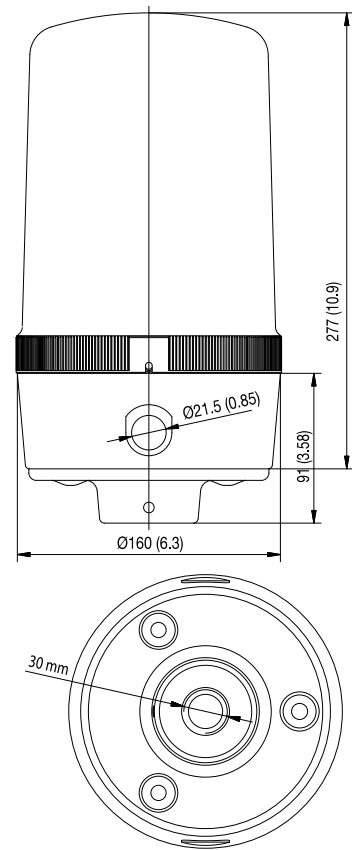
120 mm Beacon Surface Mount



120 mm Beacon Vertical Bracket



Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

160 mm Beacon NPT Mount**160 mm Beacon Surface Mount****160 mm Beacon Tube Mount****160 mm Beacon Vertical Bracket**