



NILE BHARAT PVT. LTD.
7597 Guru Arjan Dev Nagar, Tajpur Road Ludhiana.
Phone : +91 93588-25000
Web : www.nilebharat.com
Email : salesindia@nilebharat.com

PRODUCT CATALOGUE

WWW.NILEBHARAT.COM



ABOUT US

Nile Bharat Pvt. Ltd is a trusted name in industrial automation solutions with over a decade of excellence. Founded 10 years ago, our company specializes in manufacturing high-performance tower lights, safety light curtains, temperature controllers, and advanced airport lighting systems. With a commitment to innovation, quality, and customer satisfaction, we cater to a wide range of industries across India.

Our Sales Head Office is located in Ludhiana, serving as the central hub for delivering prompt support and tailored solutions to our valued clients. Nile Bharat stands for reliability, precision, and a vision to "Make for the World."

With a strong foundation built on innovation and quality, we offer a comprehensive range of products tailored to suit diverse industrial environments, including manufacturing units, automation plants, warehouses, aviation zones, and infrastructure projects. Each product is engineered using advanced technology, ensuring durability, accuracy, and long operational life.

Our Head Office is strategically enabling us to provide responsive service, timely deliveries, and end-to-end support to clients across India and beyond. Over the years, Nile Bharat has gained the trust of OEMs, system integrators, and end-users alike, becoming synonymous with performance, precision, and professionalism.

Driven by our vision to "Make for the World," we continue to expand our footprint with an unwavering commitment to innovation, quality control, and customer satisfaction.

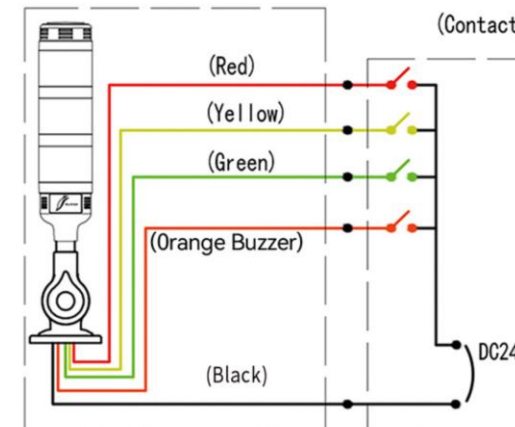
NILE BHARAT

WWW.NILEBHARAT.COM

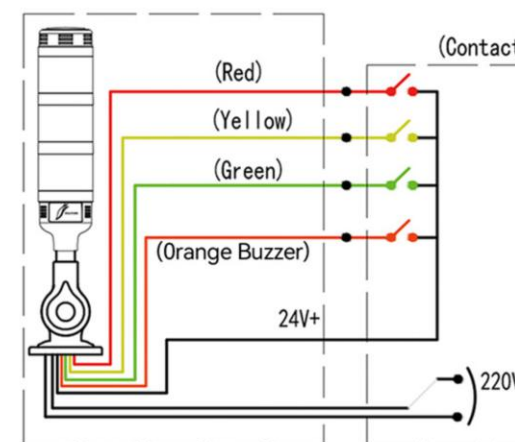


3 LAYER AND 3 COLORS

WIRING DIAGRAM



DC24V NPN/PNP

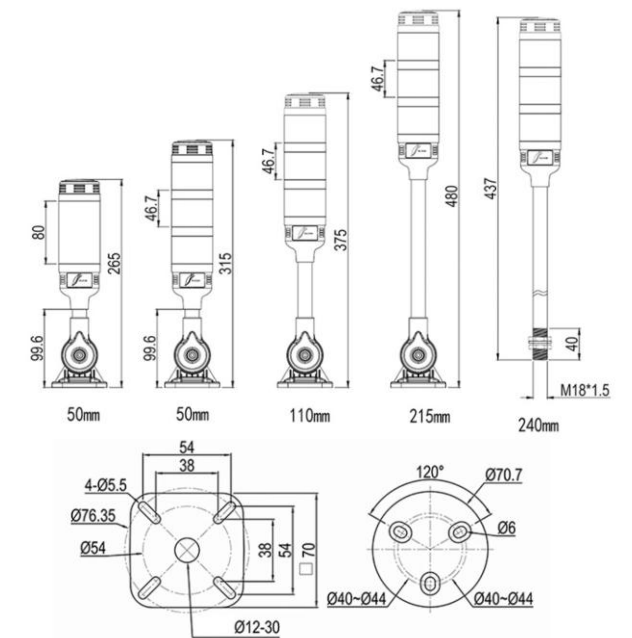


220V (Contact type)

BASIC SERIES

MODEL NO
NB1T

DRAWING

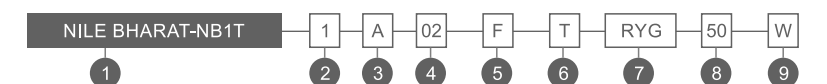


Four hole base (standard) Three hole base (optional)

TECHNICAL PARAMETERS

Current	One color: 80mA, Buzzer: 45mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP64 (with buzzer)
Temperature	<60C°
Life	50.000H
Color	White, Black
Installation	Fixed by screw
Material	Body: ABS, Lens: PC, Base: ABS

CODING PRINCIPLE



1 Model No	NB1T
2 Layer	1. Three-layer
3 Mounting	A. Collapsible E. Threaded rod installation
4 Voltage	01. DC24V 02.AC220V
5 Function	B. Steady S. Red flash F. Steady with buzzer C. Red flash with buzzer
6 Connect type	T. PNP&NPN C. Contact type
7 Color	R. Red Y. Yellow G. Green
8 Diameter	50. 50mm
9 Light Body	W. White B. Black

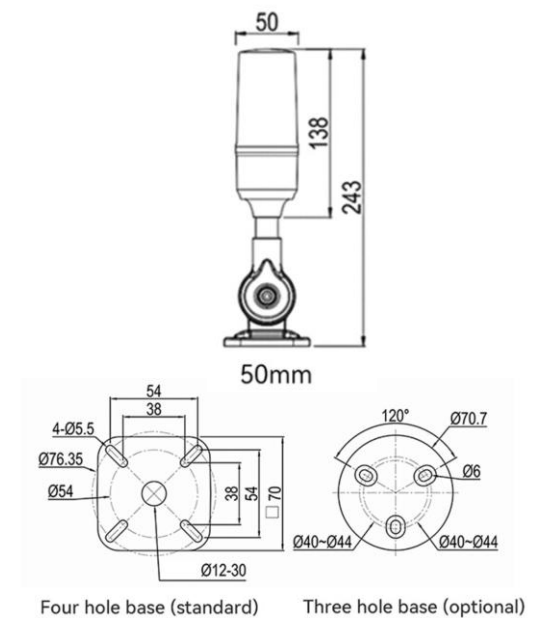


SINGLE LAYER TRICOLORS

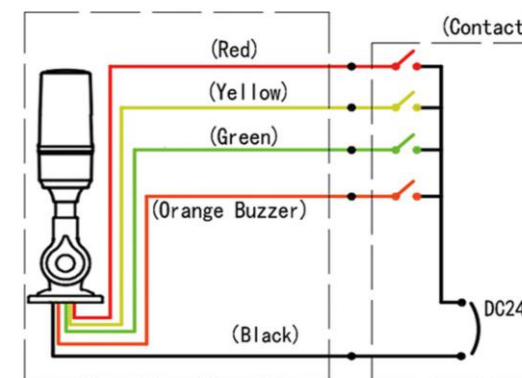
BASIC SERIES

MODEL NO NB1TS

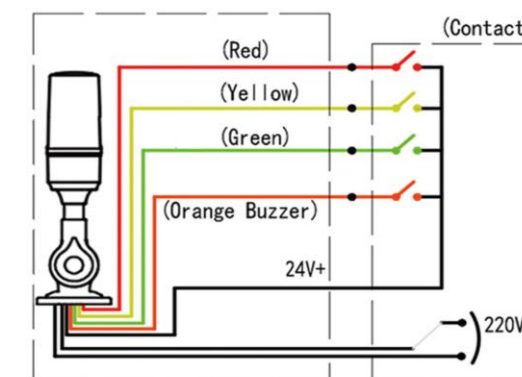
DRAWING



WIRING DIAGRAM



DC24V NPN/PNP



220V (Contact type)

TECHNICAL PARAMETERS

Current	One color: 80mA, Buzzer: 45mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP65 (with buzzer) / IP65 (without buzzer)
Temperature	<60C°
Life	50.000H
Color	White, Black
Installation	Fixed by screw
Material	Body: ABS, Lens: PC, Base: ABS

CODING PRINCIPLE

NILE BHARAT-NB1TS	1	A	02	F	T	RYG	50	W
1	2	3	4	5	6	7	8	9

1	Model No	NB1TS
2	Layer	1. one-layer with 3 Colors
3	Mounting	A. Foldable type C. Pople plate type E. Threaded road installation
4	Voltage	01. DC12V 02. DC24V 03. AC220V
5	Function	B. Steady F. Steady with buzzer
6	Connect Tyle	T. PNP&NPN C. Contact type
7	Color	R. Red Y. Yellow G. Green
8	Diameter	50. φ50mm
9	Light Body	W. White B. Black

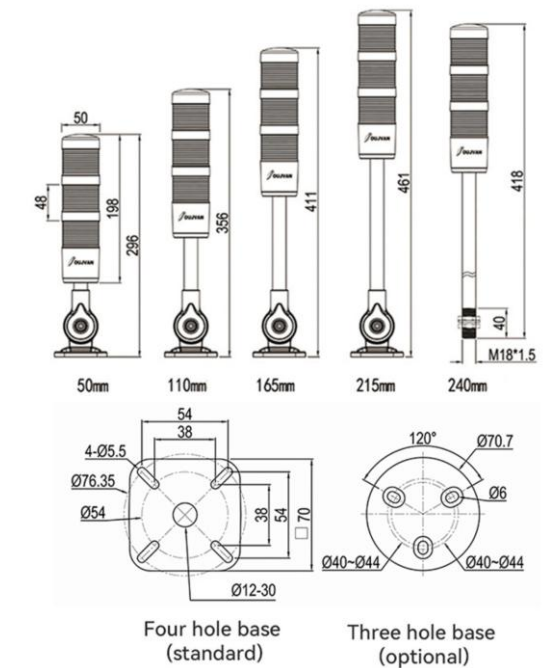


φ50mm

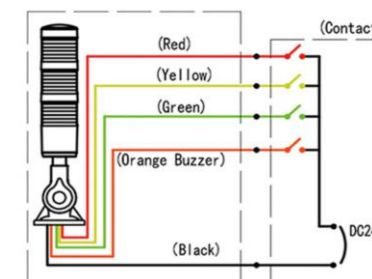
BASIC SERIES

MODEL NO
NB1

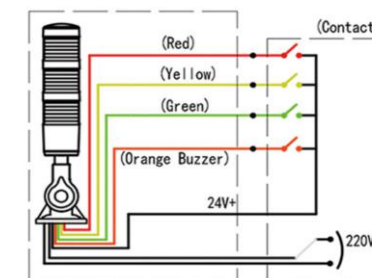
DRAWING



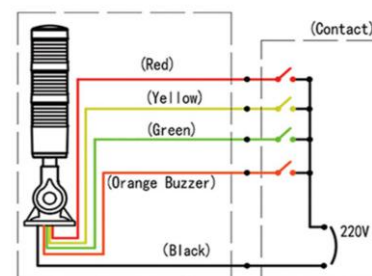
WIRING DIAGRAM



DC24V NPN/PNP



220V (Contact type)

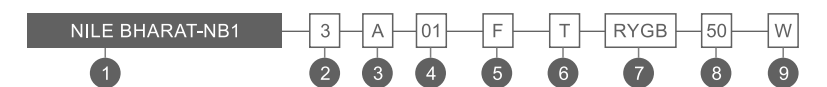


220V Direct input

TECHNICAL PARAMETERS

Current	One color: 50mA, Buzzer: 25mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP53 (with buzzer) / IP65 (without buzzer)
Temperature	<60C°
Life	50.000H
Color	White, Black
Installation	Fixed by screw
Material	Body: ABS, Lens: PC, Base: ABS

CODING PRINCIPLE



1 Model No	Nb1
2 Layer	1. one-layer 2. two-layer 3. three-layer 4. four-layer
3 Mounting	A. Collapsible E. Threaded rod installation
4 Voltage	01. DC24V 02. AC220V
5 Function	B. Steady S. Red flash F. Steady with buzzer C. Red flash with buzzer
6 Connect type	T. PNP&NPN C. Contact type
7 Color	R. Red Y. Yellow G. Green B. Blue
8 Diameter	50. φ50mm
9 Light Body	W. White B. Black

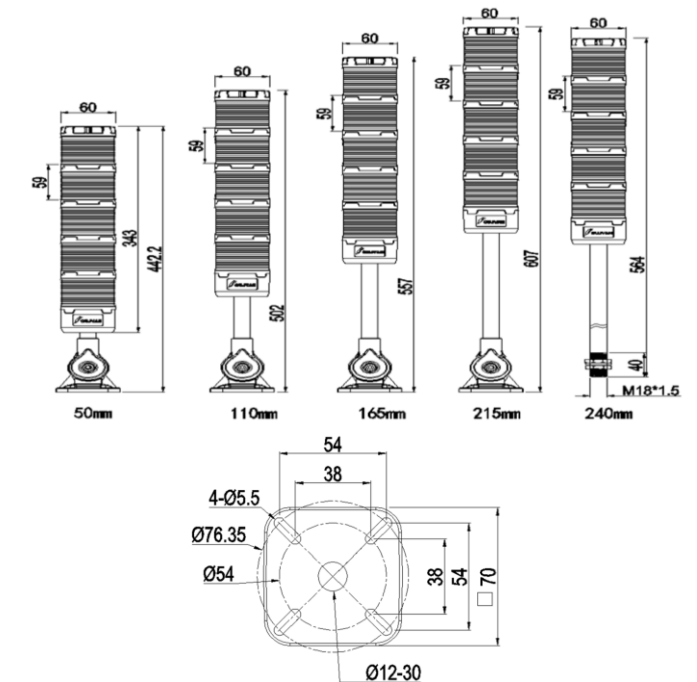


φ60mm

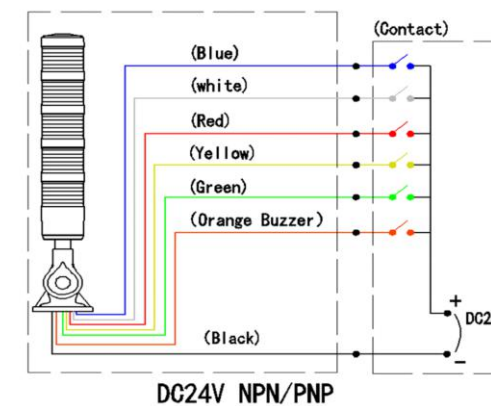
BASIC SERIES

MODEL NO
NBQ160

DRAWING



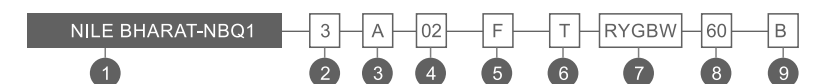
WIRING DIAGRAM



TECHNICAL PARAMETERS

PRODUCT	MODEL
INPUT VOLTAGE	DC24V
IP RATING	IP54
LAMP BEADS	2,835 bead
BUZZER	>95dB
LUMINESCENCE	360°
ANGLE	
TECHNICAL	CE
CERTIFICATION	

CODING PRINCIPLE



ENVIRONMENTAL REQUIREMENTS

Ambient temperature:	-20~45c
Storage temperature:	-40~70c
Ambient humidity:	10~90%
Storage humidity:	10~90%

1 Model:	Q1-60
2 Colorlayer:	1. 5layers
3 Mounting:	A. Collapsible E, thread installation
4 Voltage:	02-DC24 03-AC220V
5 Function:	B. Steady light, F. Steady light with buzzer
6 Connection:	T. PNP/NPN
7 Light color:	R:Red Y: yellow G:Green B:Blue W:White
8 Diameter	φ60mm
9 Rod length	50mm
10 Color :	Black



NB NILE BHARAT
MAKE FOR WORLD



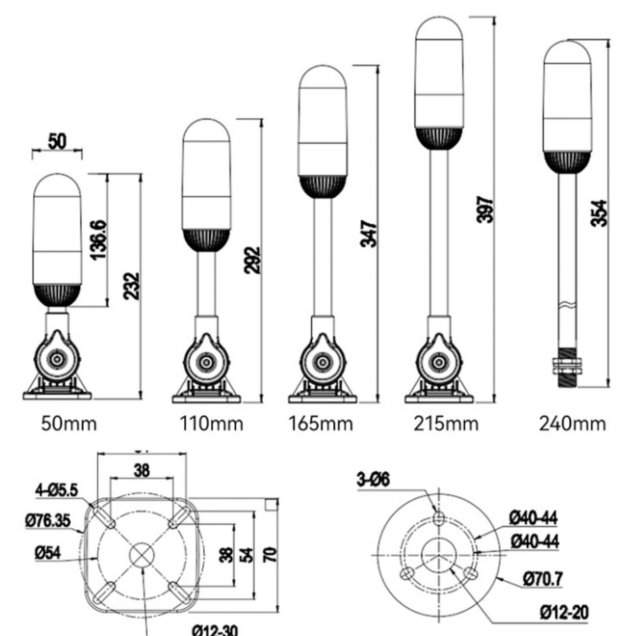
BASIC SERIES

MODEL NO
NB3A

DRAWING

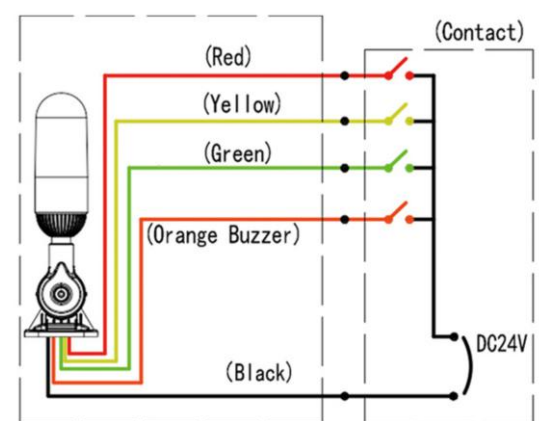


SINGLE LAYER TRICOLORS

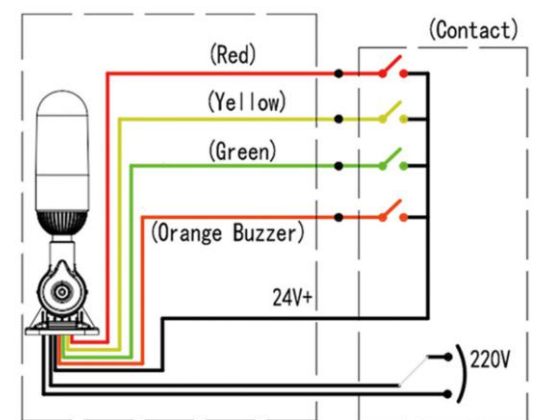


Four hole base (standard) Three hole base (optional)

WIRING DIAGRAM



DC24V NPN/PNP

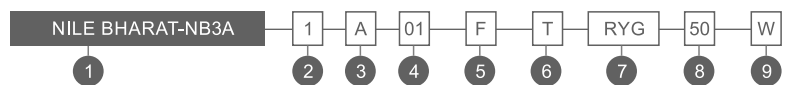


220V (Contact type)

TECHNICAL PARAMETERS

Current	One color: 50mA, Buzzer: 15mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP53 (with buzzer) / IP65 (without buzzer)
Temperature	<60C°
Life	50.000H
Color	White, Black
Installation	Fixed by screw
Material	Body: ABS, Lens: PC, Base: ABS

CODING PRINCIPLE



1	Model No	NB3A
2	Layer	1. one-layer
3	Mounting	A. Foldable type C. Pople plate type E. Threaded road installation
4	Voltage	01. DC24V 02. AC220V
5	Function	B. Steady F. Steady with buzzer
6	Connect Tyle	T. PNP&NPN C. Contact type
7	Color	R. Red Y. Yellow G. Green
8	Diameter	50. φ50mm
9	Light Body	W. White B. Black



NILE BHARAT
MAKE FOR WORLD

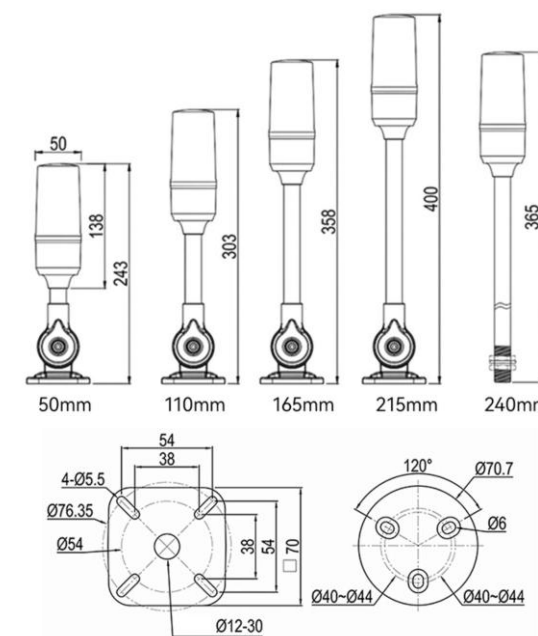


SINGLE LAYER TRICOLORS

BASIC SERIES

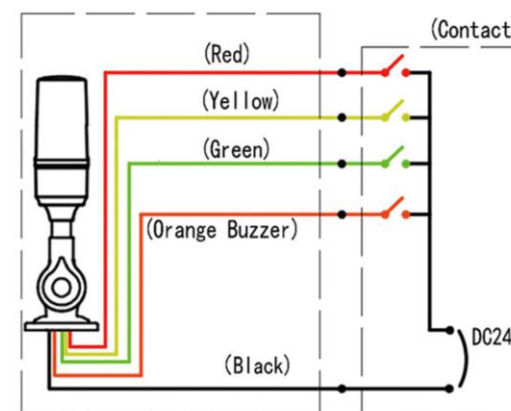
MODEL NO
NB3T/NB3T-X

DRAWING

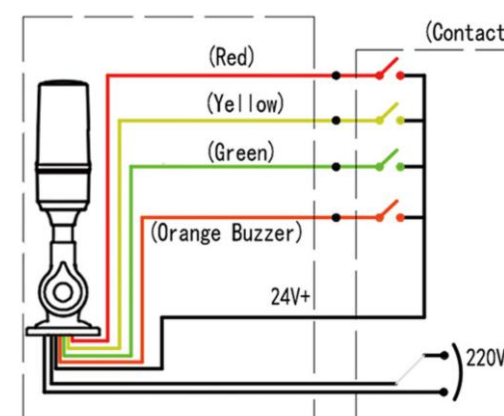


Four hole base (standard) Three hole base (optional)

WIRING DIAGRAM



DC24V NPN/PNP

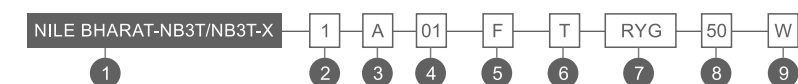


220V (Contact type)

TECHNICAL PARAMETERS

Current	One color: 50mA, Buzzer: 15mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP53 (with buzzer) / IP65 (without buzzer)
Temperature	<60C°
Life	50.000H
Color	White, Black
Installation	Fixed by screw
Material	Body: ABS, Lens: PC, Base: ABS

CODING PRINCIPLE



1	Model No	NB3T / NB3T-X
2	Layer	1. one-layer
3	Mounting	A. Foldable type C. Pople plate type E. Threaded road installation
4	Voltage	01. DC24V 02. AC220V
5	Function	B. Steady F. Steady with buzzer
6	Connect Tyle	T. PNP&NPN C. Contact type
7	Color	R. Red Y. Yellow G. Green
8	Diameter	50. Ø50mm
9	Light Body	W. White B. Black

NB_RGB Indicator



WIRE DIRECT OUTLET STANDARD

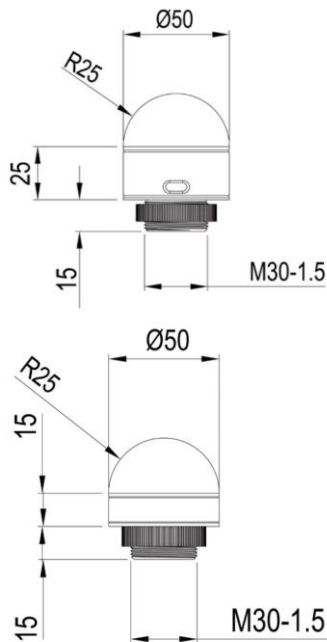


WITH M12 CONNECTOR

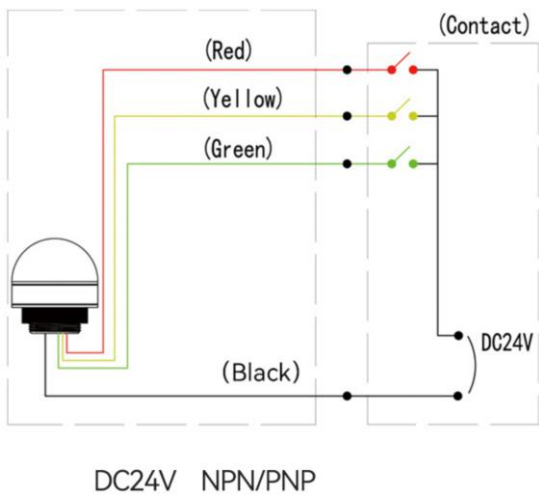
BASIC SERIES

MODEL NO
NBV

DRAWING



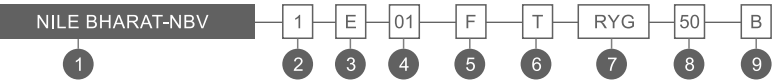
WIRING DIAGRAM



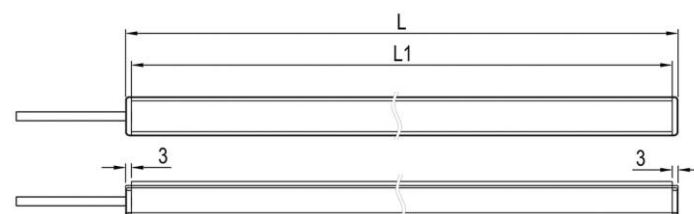
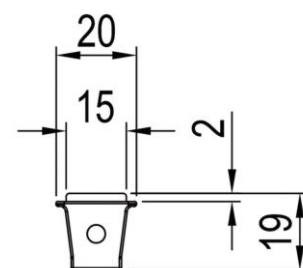
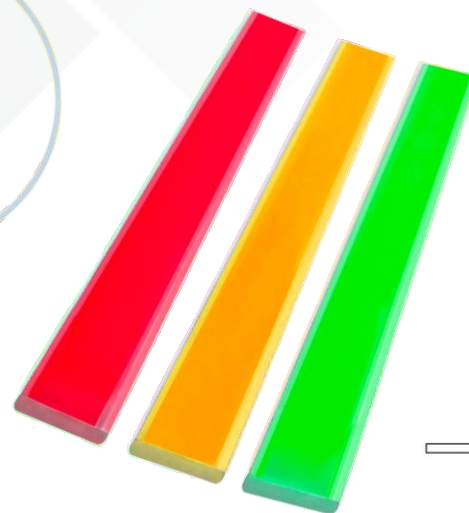
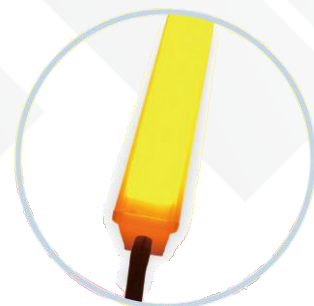
TECHNICAL PARAMETERS

Current	One color: 50mA, Buzzer: 15mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP65 (with buzzer) / IP65 (without buzzer)
Temperature	<60C°
Life	50.000H
Color	Black
Installation	Fixed by screw
Material	Body: AL, Lens: PMMA

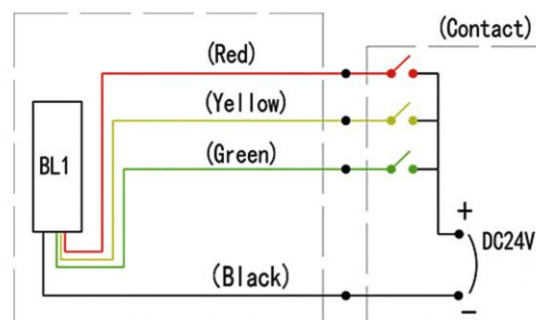
CODING PRINCIPLE



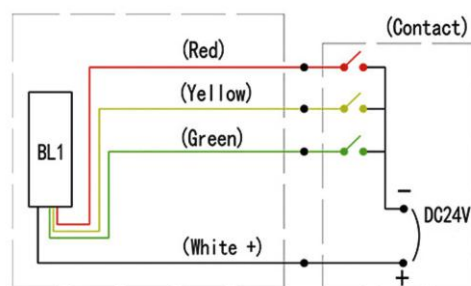
1 Model No	NBV
2 Layer	1. one-layer
3 Mounting	E. Threaded rod installation
4 Voltage	01. DC24V
5 Function	B. Steady F. Steady with buzzer
6 Connect type	T. PNP&NPN
7 Color	R. Red Y. Yellow G. Green
8 Diameter	50. φ50mm
9 Light Body	B. Black



WIRING DIAGRAM



DC24V PNP(Common -)

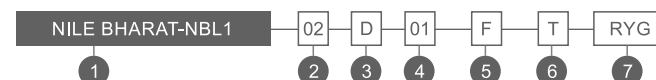


DC24V NPN(Common +)

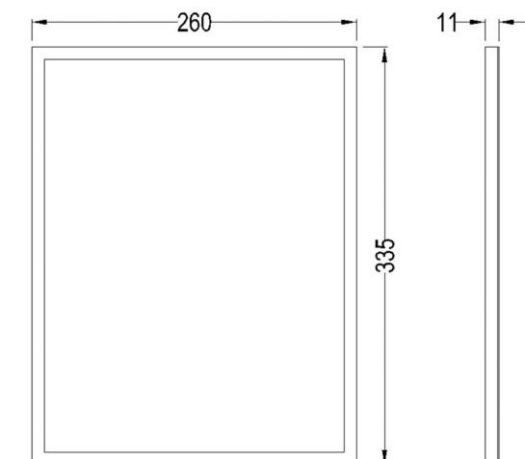
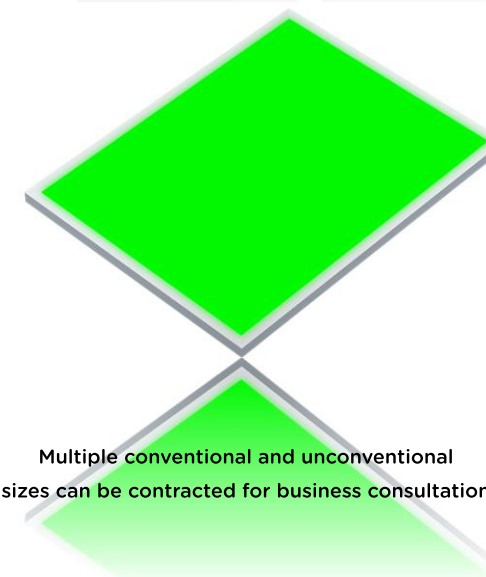
TECHNICAL PARAMETERS

Input voltage	DC24V
Wire length	0.5m
Light source	5050
Luminous color	Red, Yellow, Green
IP rating	IP54
Temperature	<60°C
Life	50.000H
Color	Milky white
Material	lampshade:PC

CODING PRINCIPLE



1 Model No	L1
2 Voltage	02. AC/DC24V
3 CCT	D (Other color temperature)
4 Length (mm)	670mm/778mm/994mm/1534mm/1750mm
5 Connect type	Z. NPN F.PNP
6 Color	R. Red Y. Yellow G. Green



FEATURES

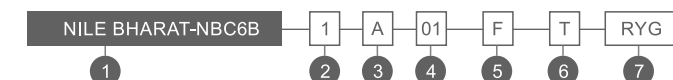
- 1: Simple and beautiful, uniform lighting, high cost performance.
- 2: High brightness Led chip with low thermal, resistance.
- 3: The overall structure is designed with good heat dissipation.
- 4: The internal electronic components are Placed reasonably to strictly ensure the safe and efficient operation of lamps.

Ambient temperature	-20~45°C
Atorage temperature	-40~70°C
Ambient humidity	10~90%
Storage humidity	10~90%

TECHNICAL PARAMETERS

Input voltage	350mA
Power	Based on size specifications
Light source	Chip 2835 LED
Life	50.000H
Luminous color	Tri color/monochrome
Installation	Fixed by screw
Material	Lampshade: PMMA Outerframe:
Frame	Aluminum alloy

CODING PRINCIPLE



1 Model No	C6B(Aluminum alloy frame luminescent plate)
2 Voltage	02. DC24v
3 Lamp color	C. 6000-6500K D. Other colors
4 Standard Sizes	Customizable
5 Color	R. Red Y. yellow G. green



NILE BHARAT

MAKE FOR WORLD



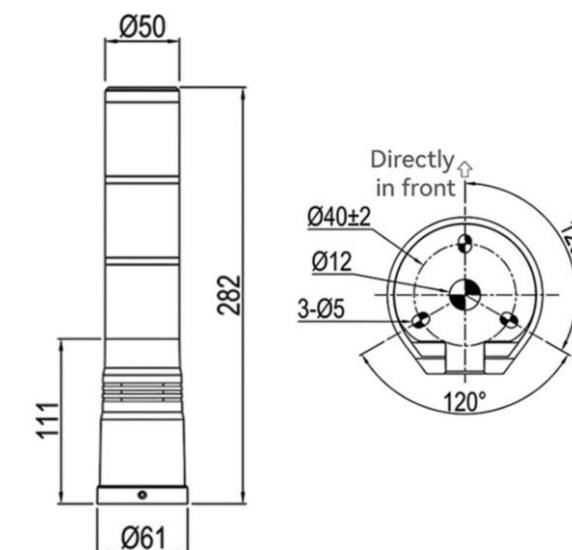
PREMIUM SERIES

MODEL NO
NBP-H

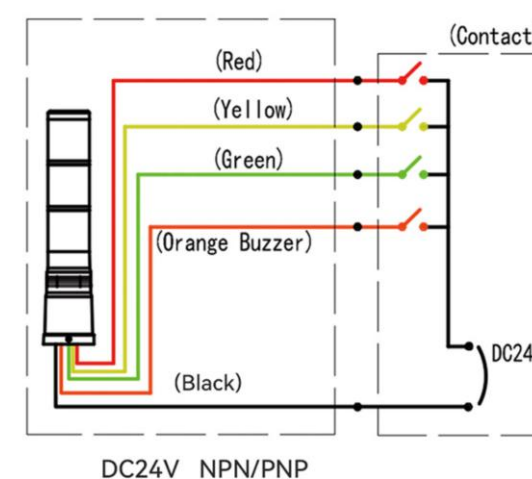
DRAWING



FOLDING BASE IS CONVENIENT
FOR TRANSPORTATION



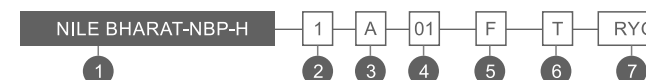
WIRING DIAGRAM



TECHNICAL PARAMETERS

Current	One color: 50mA, Buzzer: 15mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP54 (with buzzer) / IP54 (without buzzer)
Temperature	<60C°
Life	50.000H
Color	Black
Installation	Fixed by screw
Material	Body: AL, Lens: PC, Base: ABS

CODING PRINCIPLE



1 Model No	NBP-H
2 Layer	1. one-layer with three colours
3 Mounting	Non Foldable Type
4 Voltage	01. DC24V
5 Function	B. Steady F. Steady with buzzer
6 Connect type	T. PNP&NPN
7 Color	R. Red Y. Yellow G. Green



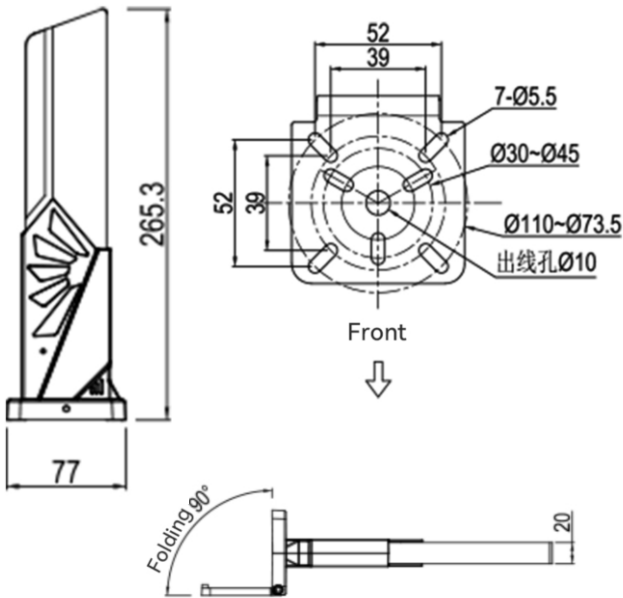
PREMIUM SERIES

MODEL NO
NBP-11

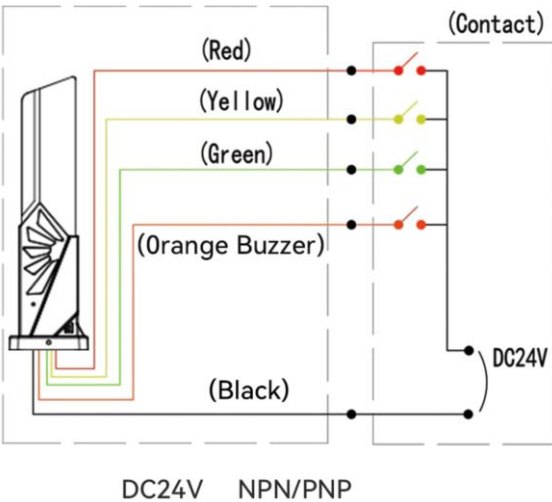
DRAWING



SILVER BASE



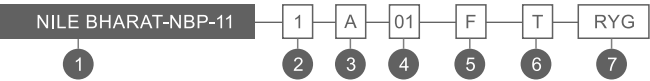
WIRING DIAGRAM



TECHNICAL PARAMETERS

Current	One color: 60mA, Buzzer: 15mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP54 (with buzzer) / IP54 (without buzzer)
Temperature	<60C°
Life	50.000H
Color	Silver
Installation	Fixed by screw
Material	Body: ABS

CODING PRINCIPLE



1 Model No	NBP-11
2 Layer	1. one-layer with three colours
3 Mounting	A. Foldable Type
4 Voltage	01. DC24V
5 Function	B. Steady F. Steady with buzzer
6 Connect type	T. PNP&NPN
7 Color	R. Red Y. Yellow G. Green

NILE BHARAT

MAKE FOR WORLD

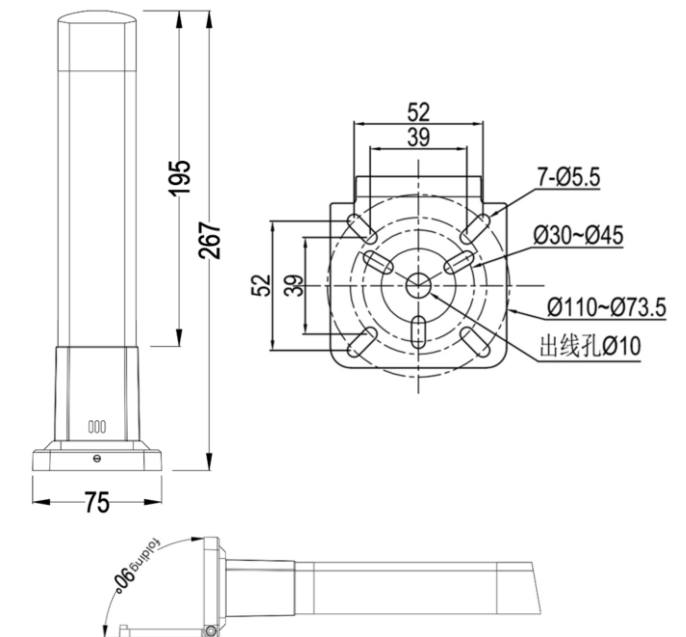


SILVER BASE

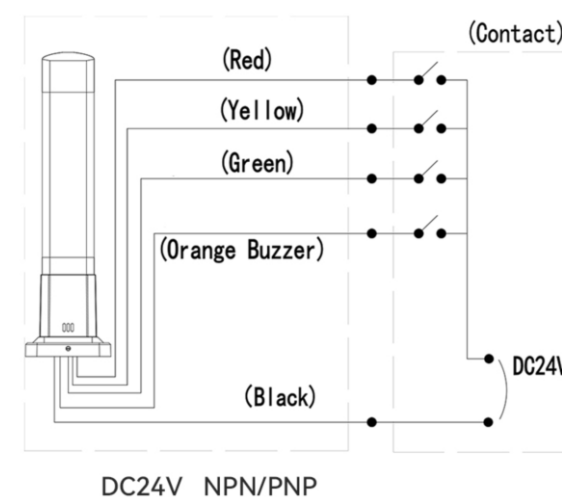
PREMIUM SERIES

MODEL NO
NBP-10

DRAWING



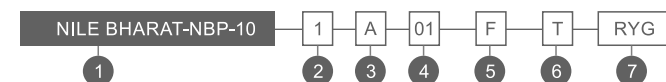
WIRING DIAGRAM



TECHNICAL PARAMETERS

Current	One color: 50mA, Buzzer: 15mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP54 (with buzzer) / IP54 (without buzzer)
Temperature	<60C°
Life	50.000H
Color	Silver
Installation	Fixed by screw
Material	Body: AL, Lens: PMMA, Base: ABS

CODING PRINCIPLE



1 Model No	NBP-10
2 Layer	1. one-layer with three colours
3 Mounting	A. Foldable Type
4 Voltage	01. DC24V
5 Function	B. Steady F. Steady with buzzer
6 Connect type	T. PNP&NPN
7 Color	R. Red Y. Yellow G. Green



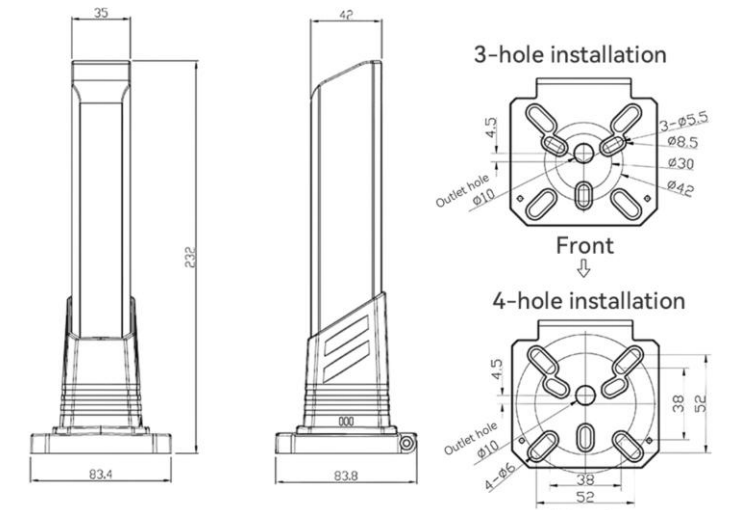
PREMIUM SERIES

MODEL NO
NBP-6S

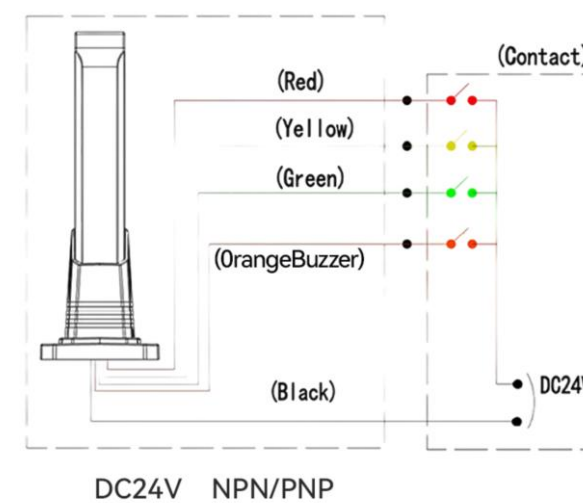
DRAWING



SILVER BASE



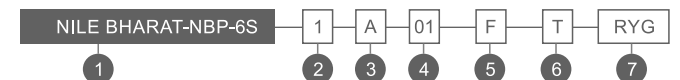
WIRING DIAGRAM



TECHNICAL PARAMETERS

Current	One color: 50mA, Buzzer: 25mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP54 (with buzzer) / IP54 (without buzzer)
Temperature	<60C°
Life	50.000H
Color	Silver
Installation	Fixed by screw
Material	Lens: PMMA, Base: ABS

CODING PRINCIPLE



1 Model No	NBP-6S
2 Layer	1. one-layer with three colours
3 Mounting	A. Foldable Type
4 Voltage	01. DC24V
5 Function	B. Steady F. Steady with buzzer
6 Connect type	T. PNP&NPN
7 Color	R. Red Y. Yellow G. Green



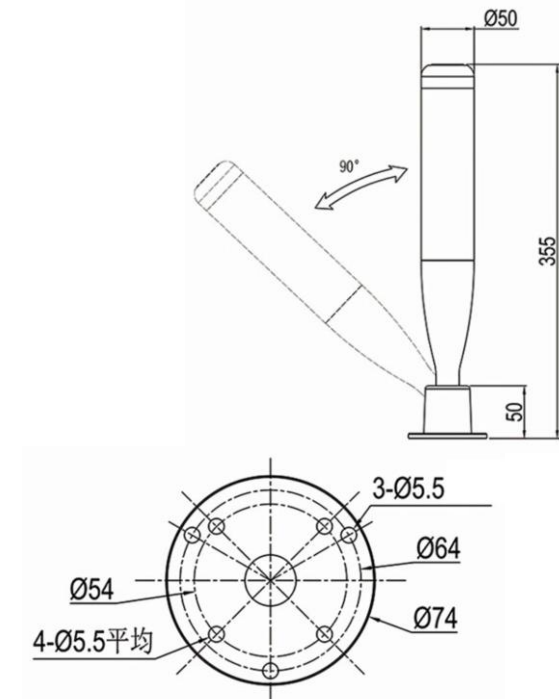
PREMIUM SERIES

MODEL NO
NBP-4

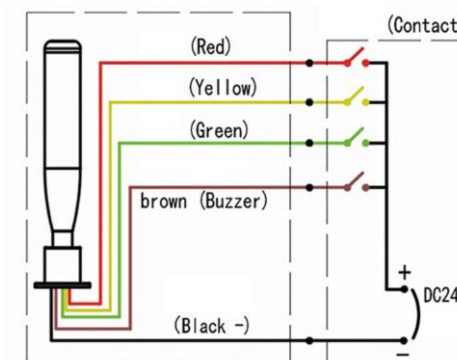
DRAWING



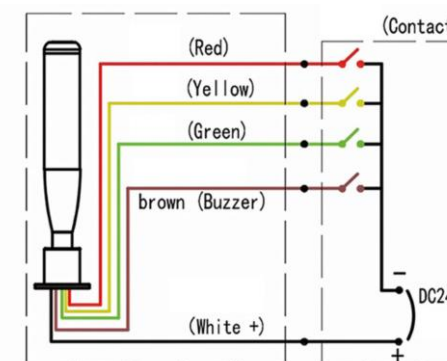
SILVER BASE



WIRING DIAGRAM



DC24V PNP(Common -)(Constant brightness type)

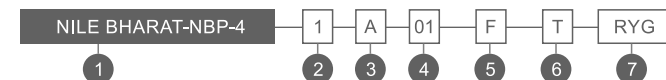


DC24V NPN(Common+)(Constant brightness type)

TECHNICAL PARAMETERS

Current	One color: 100mA, Buzzer: 15mA
Flash Frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP54 (with buzzer) / IP54 (without buzzer)
Temperature	<60C°
Life	50.000H
Color	Silver
Installation	Fixed by screw
Material	Body: AL Lens: PC

CODING PRINCIPLE

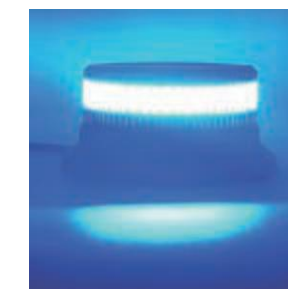
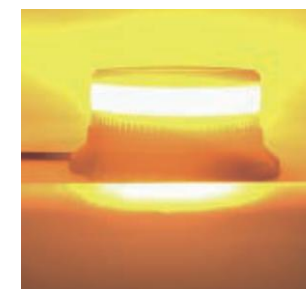


1 Model No	NBP-4
2 Layer	1. one-layer with three colours
3 Mounting	A. Foldable Type
4 Voltage	01. DC24V
5 Function	B. Steady F. Steady with buzzer
6 Connect type	T. PNP&NPN
7 Color	R. Red Y. Yellow G. Green

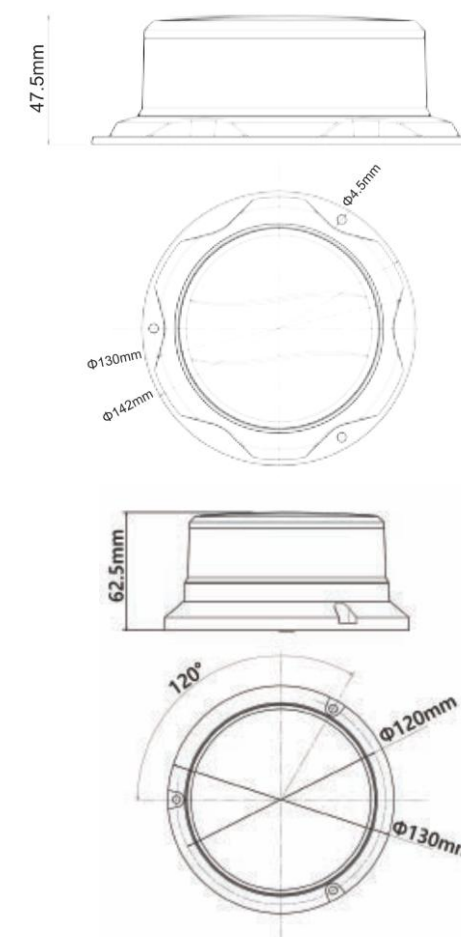


TRANSPORT SERIES

MODEL NO
NBT-16-24-OB



DRAWINGS



TECHNICAL PARAMETERS

ITEM	NBT-16-24-OB
Voltage	10-30V
Color	Single Color, Dual Color
Flash Pattern	10
LED	18pcs x 3W, 36pcs x 3W
IP	Ip67
Mounting	Magnetic Mount, Permanent Mount
Wire	2.5m Cables or 30cm wires
Approval	R65 and R10

FEATURES

- Dual color beacon, two colors can be controlled separately.
- Finely designed polycarbonate lens shape.
- 18pcs or 36pcs high-quality LEDs ensure consistent performance, extremely low current draw
- Fully encapsulated for moisture, vibration and corrosion resistance
- Fully encapsulated for moisture, vibration and corrosion resistance
- With 2 different mounting ways, included Permanent mount, strong magnet mount can pass 240km/h speed test.
- Suction cups and spiral cable is available
- Input Voltage: 10-30V
- LED: 18x3W or 36x3W
- Max. Power: 28 W
- Aluminum alloy base, more strong and powerful

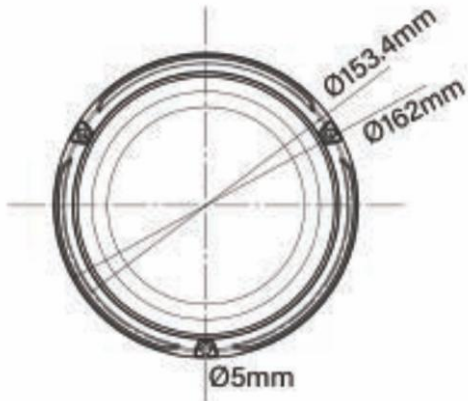
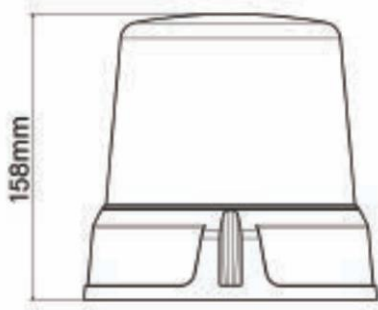


TRANSPORT SERIES

MODEL NO
NBT-18-24-OB



DRAWINGS



TECHNICAL PARAMETERS

ITEM	NBT-18-24-OB
Voltage	10-30V
Color	Single Color, Dual Color
Flash Pattern	10
LED	18pcs x 3W, 36pcs x 3W
IP	Ip67
Mounting	Magnetic Mount, Permanent Mount
Wire	2.5m Cables or 30cm wires
Approval	R65 and R10

FEATURES

- Finely designed polycarbonate lens shape.
- Available with Red, Blue, Amber and transparent lens
- Three mounting options: Permanent, Magnetic base, DIN mount
- Special design for big vehicles, like construction vehicle, heavy duty vehicle, fire truck in Germany and France
- Fully encapsulated for moisture, vibration and corrosion resistance
- With 2 different mounting ways, included Permanent mount, strong magnet mount can pass 240km/h speed test.
- ECE R65 Class2, R10 in pending
- Suction cups and spiral cable is available
- Input Voltage: 10-30V
- LED: 18x3W or 36x3W
- Max. Power: 28 W
- Dimension 158Hx162D mm
- Aluminum alloy base, more strong and powerful

NILE BHARAT

MAKE FOR WORLD



NB-18-24-o

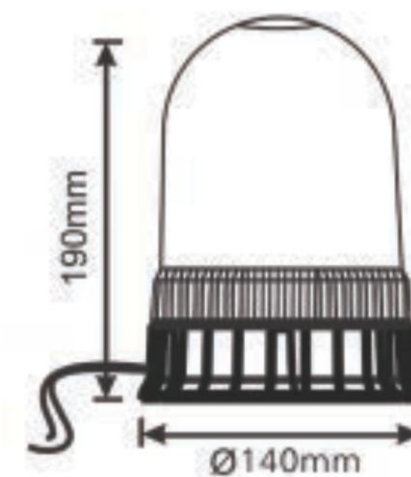


TRANSPORT SERIES

MODEL NO
NB-B24



DRAWINGS



TECHNICAL PARAMETERS

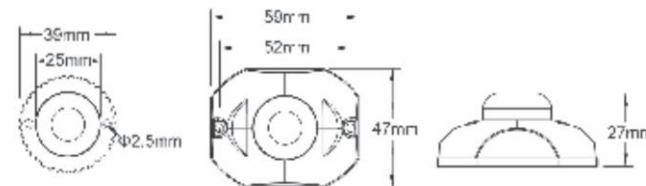
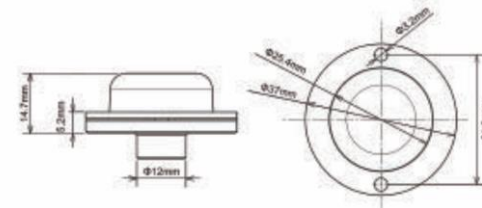
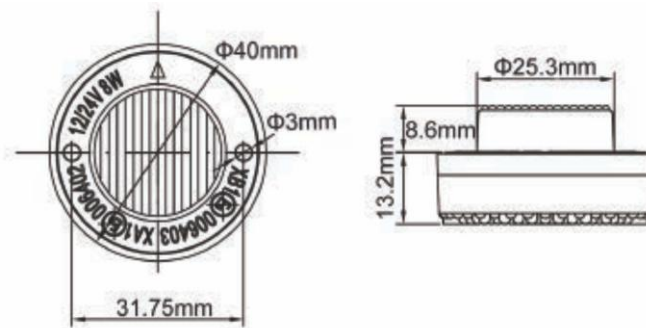
ITEM	B24
Voltage	10-30V
Color	Single color
Flash Pattern	10
LED	24pcs x 3W
IP	IP66
Mounting	Permanent Mount, Magentic Mount, Flexi DIN Mount
Wire	2.5m Cables or 30cm wires
Approval	R65 and R10

FEATURES

- Finely designed polycarbonate lens shape with plastic base
- 36pcs high-quality LEDs ensure consistent performance, extremely low current draw
- Fully encapsulated for moisture, vibration and corrosion resistance
- With 3 different mounting ways, included permanent mount, magnet mount, pole mount
- Certificates: R65 XA2, XB2; R10
- Color Available: Blue / Amber / Red / White

MODEL NO
NBHM4

DRAWING



FEATURES

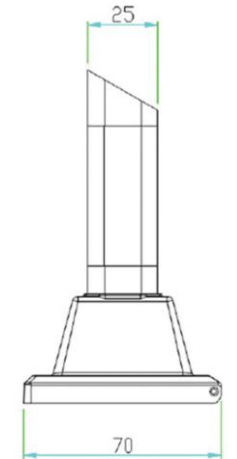
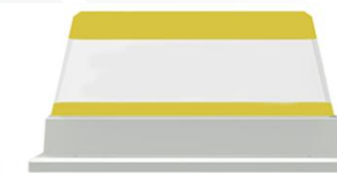
- 12 or 10-30VDC
- CE approval
- Surface mount
- Comes with aluminum cover
- Dimension 39Dx20Hmm
- Waterproof: IP67
- Function: Single color or dual color
- With built-in flasher
- 10-30VDC
- CE approval
- Surface mount
- A bezel is available
- Dimension 37Dx15Hmm
- 130mm European universal screw hole
- With external flasher

TECHNICAL PARAMETERS

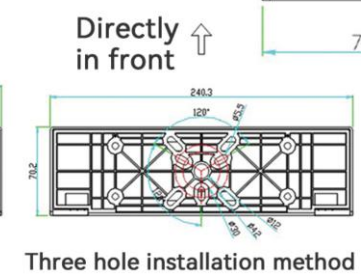
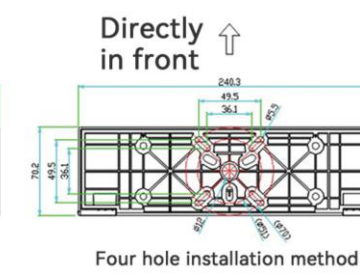
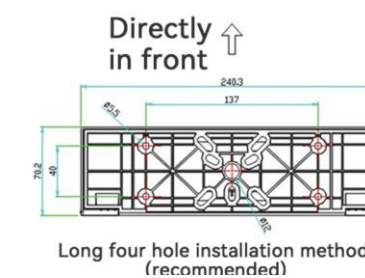
ITEM	NB-HM4
VOLTAGE	10-30V
COLOR	Single color, Dual Color, Single/Dual Color
FLASH PATTERN	12
LED	4pcs x 3W, 8pcs x 3W
IP	IP67
MOUNTING	Screw Mount, Bezel Mount
WIRE	20cm 4-core wires, 20cm 5-core wires, 20cm 4-core wires
APPROVAL	R65 and R10 /

MODEL NO
NBP-C7

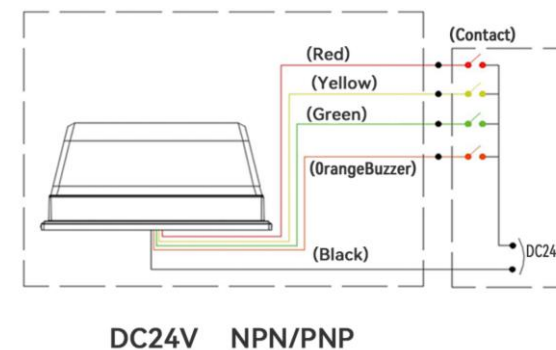
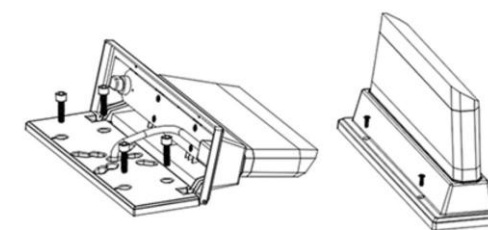
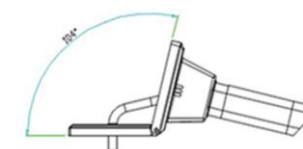
DRAWING



The built-in buzzer has a volume of over 95 decibels



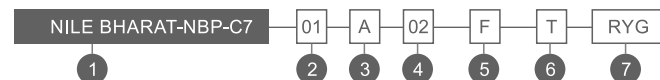
WIRING DIAGRAM



TECHNICAL PARAMETERS

Current	One color: 70mA, Buzzer: 25mA
Flash frequency	60-70 Hz/min
Buzzer Volume	>95dB
IP Rating	IP50
Temperature	<50C°
Life	50.000H
Color	Silver
Installation	Fixed by screw
Material	Body: ABS, Lens: PMMA

CODING PRINCIPLE



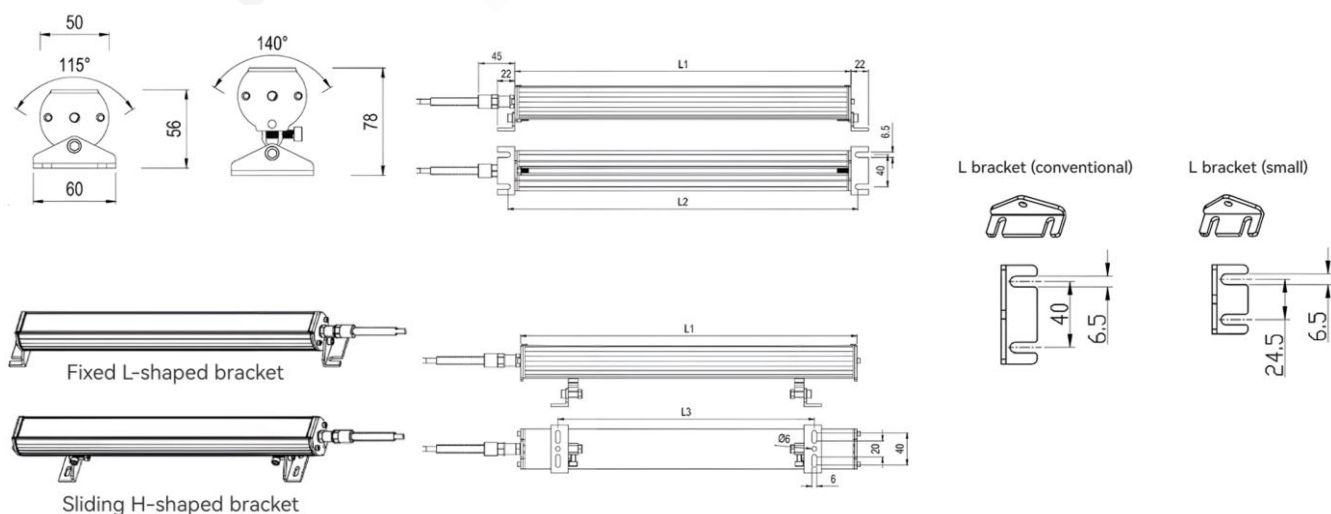
1	Model No	C7
2	Layer	1. one-layer
3	Mounting	A. Foldable type
4	Voltage	02. DC24V
5	Function	B. Steady F. Steady with buzzer
6		S. Red flash C.Red flash with buzzer
7	Connect type	T. PNP&NPN
8	Color	R. Red Y. Yellow G. Green

IP67 SERIES

MODEL NO NB-F9

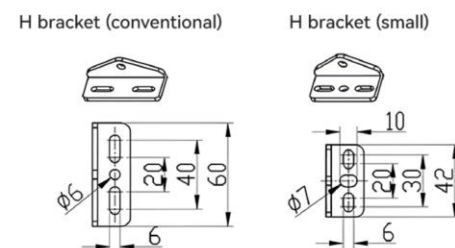


DRAWING



SPECIFICATIONS

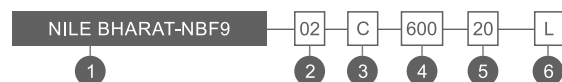
body length specifications L1	Circular sliding bracket Installation hole sapcing L2
343	100-320
483	200-460
683	300-660
883	400-860



TECHNICAL PARAMETERS

Lumen	(10w)1250lm/(14W)1750/(20W)2500lm/(24W)3000lm/(40W)5000lm
Efficiency	120-130lm/W
CRI	>80Ra
Beam angle	110°
IP Rating	IP68
Temperature	<60C°
Life	50.000H
Color	Silver
Material	Body: AL Cover: Tempered Glass Base: AL
Installation	Fixed by screw

CODING PRINCIPLE



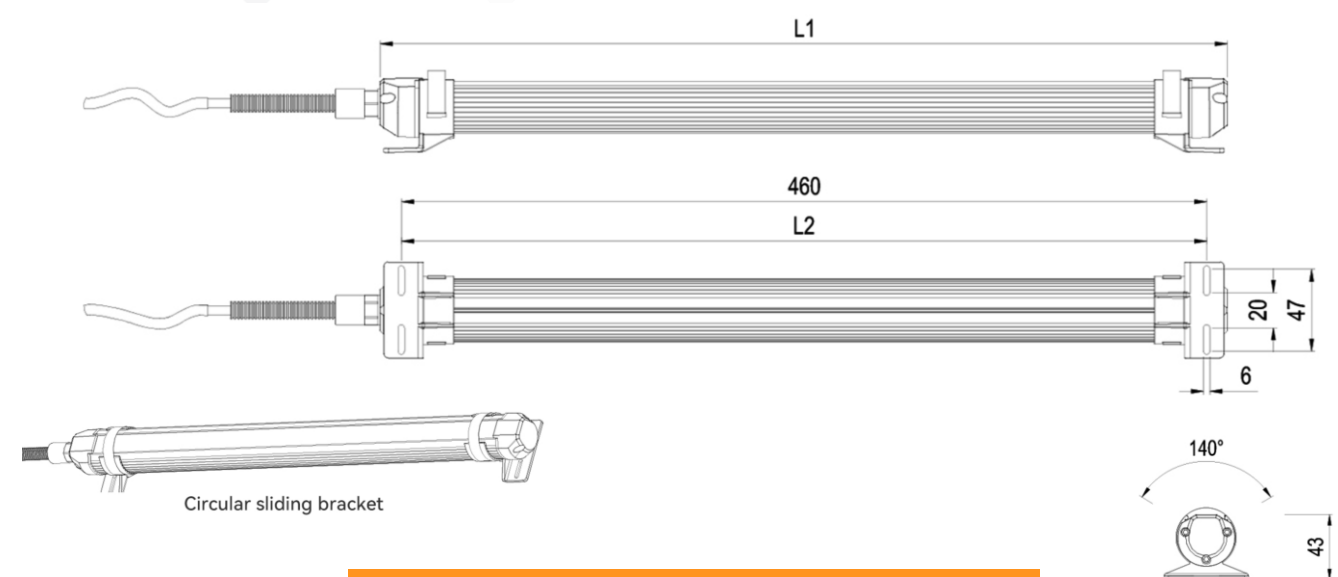
1 Model No	F9
2 Voltage	02. AC/DC24V , 03.AC220V
3 CCT	C. 6000-6500K
4 Length(mm)	300mm/400mm/600mm/800mm/1200mm
5 Power	10W / 14W / 20W / 24W / 40W
6 Bracket	H. Sliding bracket, F. Fixed Bracket, M. Extended Sliding Bracket.

IP67 SERIES

MODEL NO NB-F9C



DRAWING



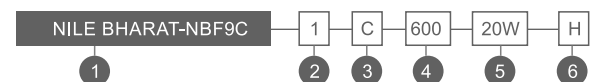
SPECIFICATIONS

Main body lenght specification L1	Fixed bracket "L" Installation hole distance L2	Sliding bracket "H" Installation hole distance L3	Sliding bracket "H" Installation hole distance L3
232	250-270	100-240	
282	300-320	100-290	140-330
422	440-460	200-430	250-470
622	640-660	300-630	400-670
822	840-860	400-830	500-870

TECHNICAL PARAMETERS

Lumen	1065lm/1518lm/1998lm/2397lm
Efficiency	105lm/W
CRI	>80Ra
Beam angle	100°
IP Rating	IP67
Temperature	<60C°
Life	50.000H
Color	Silver
Material	Body: AL Cover: Tempered Glass Base: AL
Installation	Fixed by screw

CODING PRINCIPLE

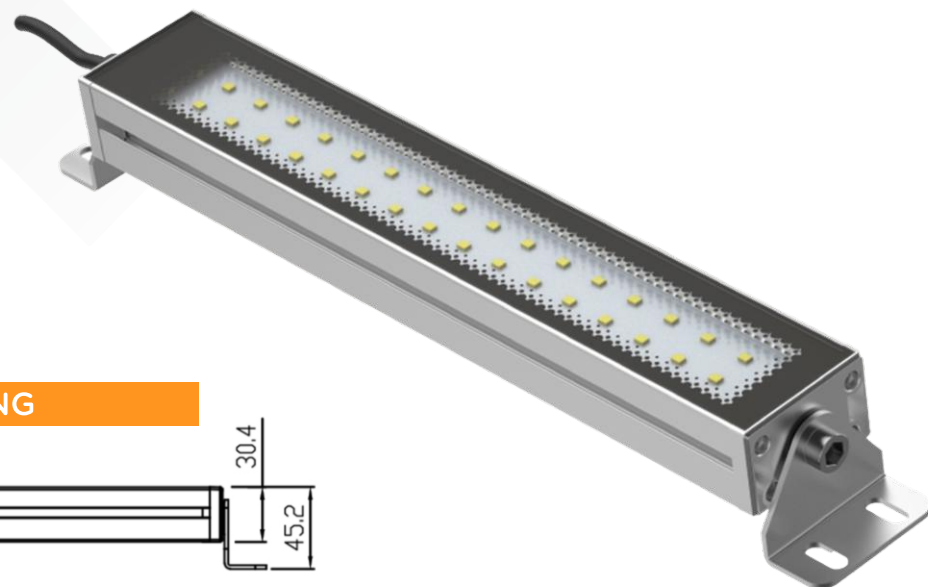


1 Model No	F9C
2 Voltage	02. AC/DC24V; 03. AC220V(50/60Hz)
3 CCT	C. 6000-6500K
4 Length(mm)	300mm/400mm/600mm/800mm/1200mm
5 Power	10W / 14W / 20W / 24W / 40W
6 Bracket	H. Sliding bracket

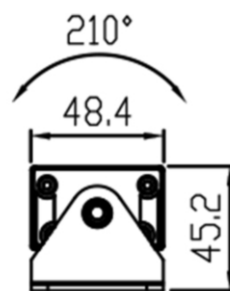
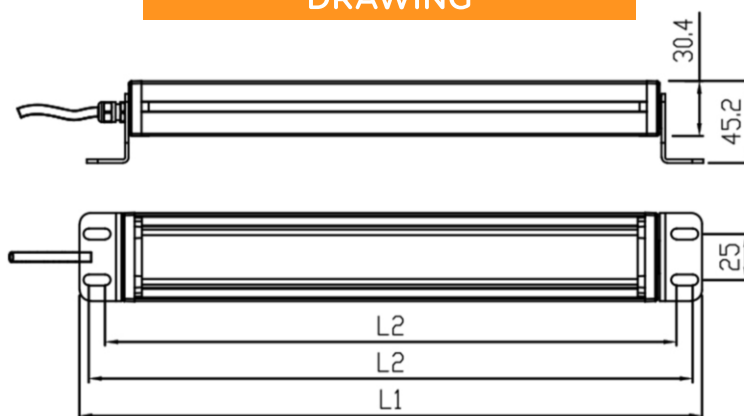


IP67 SERIES

MODEL NO
NB-F9SL



DRAWING



SPECIFICATIONS

Body Length Specifications L1	Circular sliding bracket Installation hole sapcing L2
340	312-330
440	412-430
640	612-630
840	812-830

TECHNICAL PARAMETERS

Lumen	(10W)1250lm/(14W)1750/(20W)2500lm/ (24W)3000lm/(40W)5000lm
Efficiency	120-130lm/W
CRI	>80Ra
Beam angle	110°
IP Rating	IP67
Temperature	<60°C
Life	50,000H
Color	Silver
Material	Body: AL Cover: Tempered Glass Base: AL
Installation	Fixed by screw

CODING PRINCIPLE

NILE BHARAT-NBF9SL 02 C 600 20W L

1 Model No	F9SL
2 Voltage	02. AC/DC24V; 03. AC220V(50/60Hz)
3 CCT	C. 6000-6500K
4 Length(mm)	300mm/400mm/600mm/800mm
5 Power	10W / 14W / 20W / 24W /
6 Bracket	L.Fixed bracket

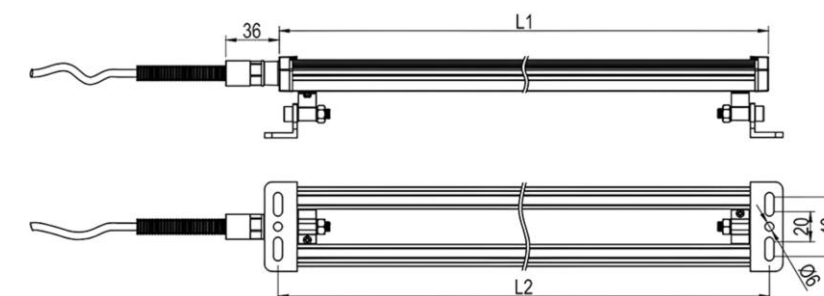
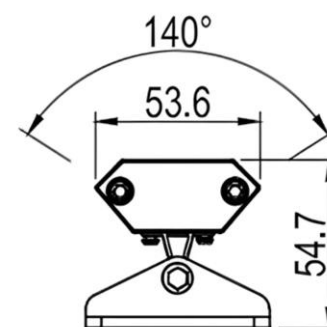


IP67 SERIES

MODEL NO
NB-F9X



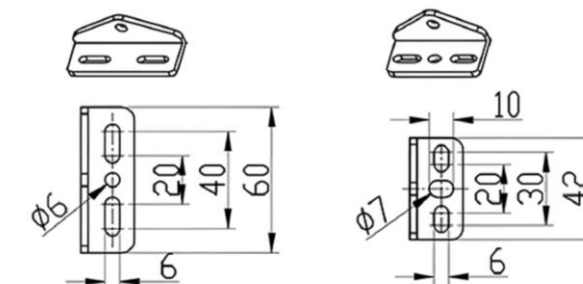
DRAWING



Fixed H-shaped bracket

H bracket (conventional)

H bracket (small)



SPECIFICATIONS

Body Length Specifications L1	Circular sliding bracket Installation hole sapcing L2
330	100-330
470	200-470
670	300-670
870	400-870

TECHNICAL PARAMETERS

Lumen	1065Lm/1518Lm/1998Lm/2397Lm
Efficiency	105lm/W
CRI	>80Ra
Beam angle	110°
IP Rating	IP67
Temperature	<60°C
Life	50,000H
Color	Silver
Material	Body: AL Cover: Tempered Glass Base: AL
Installation	Fixed by screw

CODING PRINCIPLE

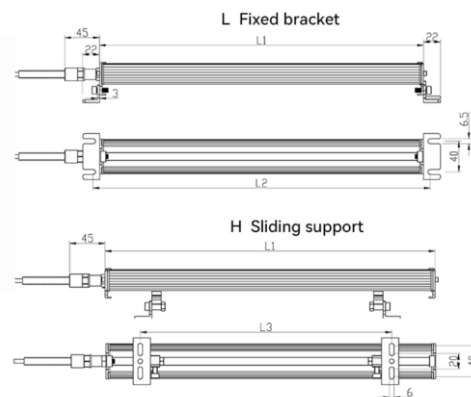
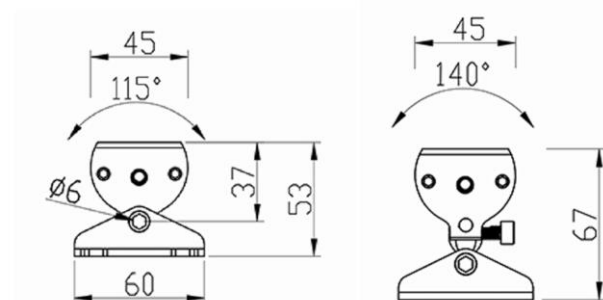
NILE BHARAT-NBF9X 02 C 600 20W L

1 Model No	F9X
2 Voltage	02. AC/DC24V; 03. AC220V(50/60Hz)
3 CCT	C. 6000-6500K
4 Length(mm)	300mm/400mm/600mm/800mm
5 Power	10W / 14W / 20W / 24W /
6 Bracket	H. Sliding Bracket

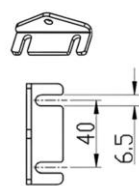


IP67 SERIES

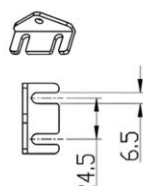
MODEL NO
NB-F9E



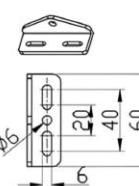
L Bracket (conventional)



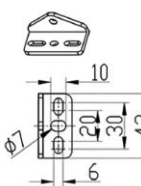
L Bracket (small)



H Bracket (conventional)



H Bracket (small)



SPECIFICATIONS

Main body length specification L1	Fixed bracket "L" Installation hole distance L2	Sliding bracket "H" Installation hole distance L3	Sliding bracket "H" Installation hole distance L3
232	250-270	100-240	
282	300-320	100-290	140-330
422	440-460	200-430	250-470
622	640-660	300-630	400-670
822	840-860	400-830	500-870
1200	1228-1248	/	/

TECHNICAL PARAMETERS

Lumen	(10W)1250lm/(14W)1750/(20W)2500lm/(24W)3000lm/(40W)5000lm
Efficiency	120-130lm/W
CRI	>80Ra
Beam angle	110°
IP Rating	IP67
Temperature	<60°C
Life	50,000H
Color	Silver
Material	Body: AL Cover: Tempered Glass Base: AL
Installation	Fixed by screw

CODING PRINCIPLE

NILE BHARAT-NBF9E	02	C	600	20W	L
1	2	3	4	5	6
1 Model No	F9E				
2 Voltage	02. AC/DC24V; 03. AC220V(50/60Hz)				
3 CCT	C. 6000-6500K				
4 Length(mm)	300mm/400mm/600mm/800mm/1200mm				
5 Power	10W / 14W / 20W / 24W / 40W				
6 Bracket	L. Fixed bracket H. Sliding bracket M. Extended sliding bracket				

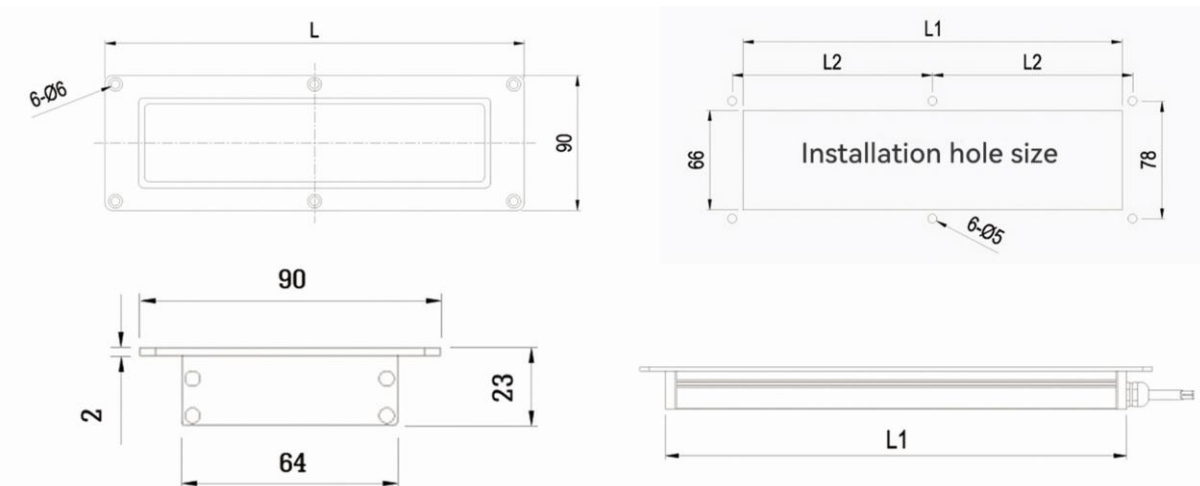


IP67 SERIES

MODEL NO
NB-F9Q



DRAWING



SPECIFICATIONS

Specifications Length L	Hole Length L1	Installation hole spacing L2
280	252	133
360	332	173
430	402	208



Good integrated sealing performance

TECHNICAL PARAMETERS

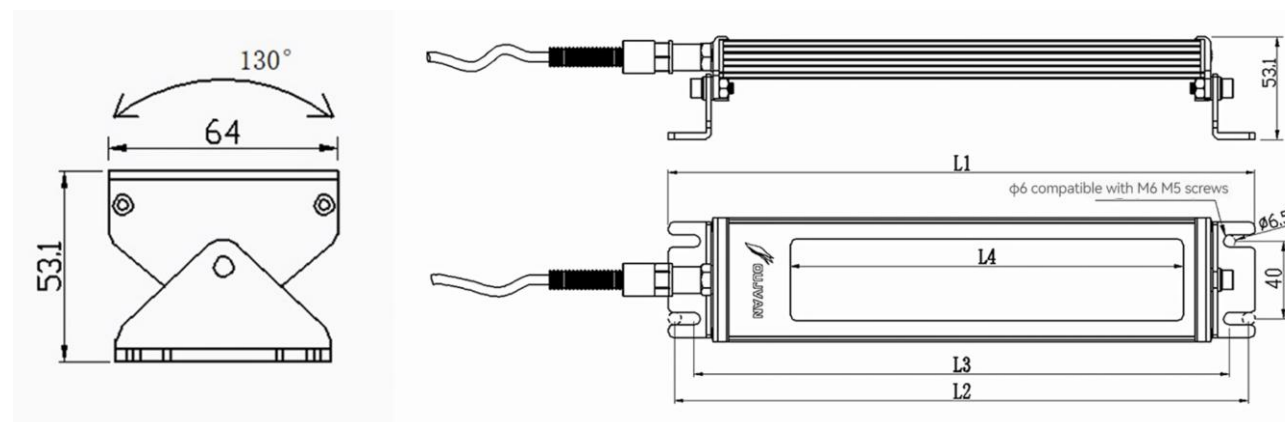
Lumen	(12W)1320lm/(20W)1980lm/(24W)2640lm
Efficiency	110-120lm/W
CRI	>80Ra
Beam angle	110°
IP Rating	IP67
Temperature	<60°C
Life	50,000H
Color	Silver
Material	Body: AL Cover: Tempered Glass Base: AL
Installation	Fixed by screw

CODING PRINCIPLE

NILE BHARAT-NBF9Q	02	C	280	12W
1	2	3	4	5
1 Model No	F9Q			
2 Voltage	02. AC/DC24V; 03. AC220V			
3 CCT	C. 6000-6500K			
4 Length(mm)	280mm/360mm/430mm			
5 Power	12W / 20W / 24W			



DRAWING



F9P (Adjustable angle)-installation size

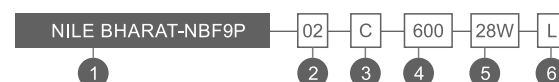
Specifications Length L	Screw installation aperture distance "L2-L3"	Luminous Area "L4*43"
300	293-273	200*43
400	393-373	300*43
600	593-573	500*43

Notes: Adjustable direction up to 130° (Unit: mm)

TECHNICAL PARAMETERS

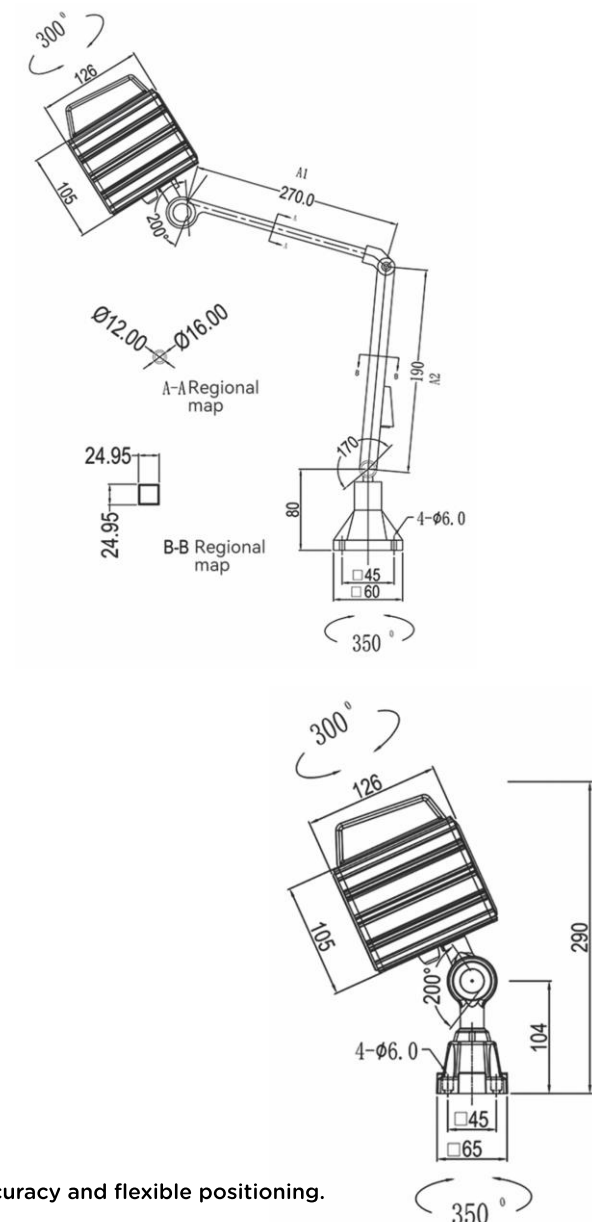
Lumen	(12W)1140lm/(20W)1710lm/(28W)2720lm
Efficiency	95-105lm/W
CRI	>80Ra
Beam angle	120°
IP Rating	IP67
Temperature	<60°C
Life	50.000H
Color	Silver
Material	Body: AL Cover: Tempered Glass Base: AL
Installation	Fixed by screw

CODING PRINCIPLE



1 Model No	F9P
2 Voltage	02. AC/DC24V
3 CCT	C. 6000-6500K
4 Length(mm)	300mm/400mm/600mm
5 Power	12W / 20W / 28W
6 Bracket	L.Fixed bracket

DRAWING



APPLICATIONS

Application: Area lighting for CNC machine, engraving machine, EDM, milling machine, machining center, grinding machine, etc.

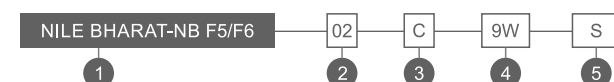
FEATURE

- 1: Fixed by base, easy and fast, joints 270° adjustable. Joints provide accuracy and flexible positioning.
- 2: IP65 waterproof rated, resistant to any water, coolants and lubricants.

TECHNICAL PARAMETERS

Lumen	9W 810lm
Efficiency	90lm/W
CRI	>80Ra
Beam angle	45°
IP Rating	IP67
Temperature	<60°C
Life	50.000H
Color	Silver Black
Material	Body: AL Lens: Tempered Glass Base: PA+15%GF
Installation	Fixed by screw

CODING PRINCIPLE



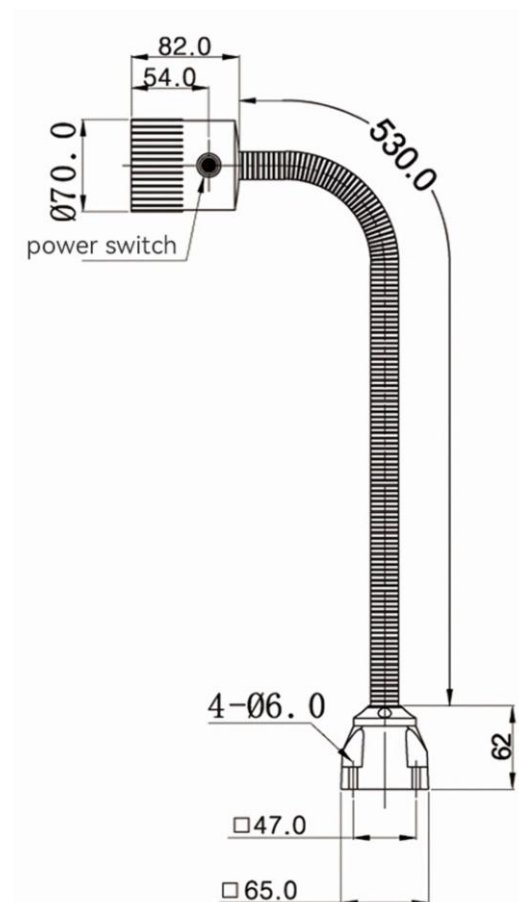
1 Model No	F5 (short arm)/F6 (long arm)/F6L (extended arm)
2 Voltage	02. AC/DC24V; 03. AC220V(50/60Hz)
3 CCT	B. 4000-4500K C. 6000-6500K
4 Power	9W
5 Switch	(S)With switch (None) Without switch



FOLD SERIES

MODEL NO
NB-F3

DRAWING



APPLICATIONS

Engraving machine, EDM, CNC machine and lighting for other machine tools.

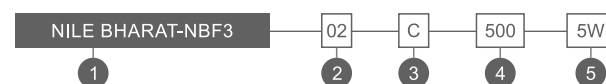
FEATURE

- 1: Fixed by base. High quality flexible hose with good hardness, fast and precise positioning as you wish.
- 2: 1-3w high power LED light beads, perfect design to achieve water-proof and oil proof.

TECHNICAL PARAMETERS

Lumen	5W400lm
Efficiency	80lm/W
CRI	>80Ra
Beam angle	30°
IP Rating	IP67
Temperature	<60°C
Life	50.000H
Color	Black
Material	Body: AL Lens: Tempered Glass Base: PA+15%GF
Installation	Fixed by screw

CODING PRINCIPLE



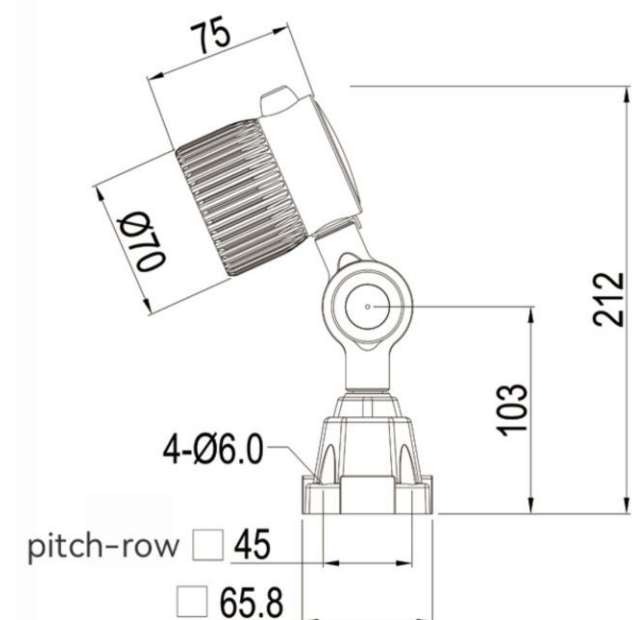
1 Model No	F3
2 Voltage	01. AC/DC12V; 02. AC/DC24V; 03. AC220V(50/60Hz)
3 CCT	A.2800-3200K B. 4000-4500K C. 6000-6500K
4 Length(mm)	550mm Customize other lengths(or custom)
5 Power	5W



FOLD SERIES

MODEL NO
NB-FS1

DRAWING



APPLICATIONS

Application: Area lighting for CNC machine, engraving machine, EDM, milling machine, machining center, grinding machine, etc.

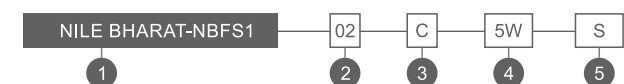
FEATURE

- 1: Fixed by base, easy and fast, joints 270° adjustable. Joints provide accuracy and flexible positioning.
- 2: IP65 waterproof rated, resistant to any water, coolants and lubricants.

TECHNICAL PARAMETERS

Lumen	5W500lm
Efficiency	120-130lm/W
CRI	>80Ra
Beam angle	110°
IP Rating	IP67
Temperature	<60°C
Life	50.000H
Color	Silver
Material	Body: AL Lens: Tempered Glass Base: PA+15%GF
Installation	Fixed by screw

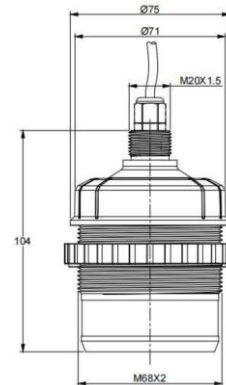
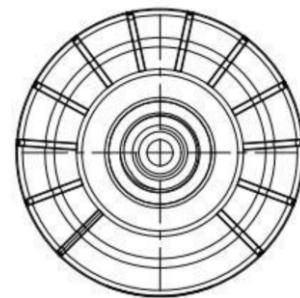
CODING PRINCIPLE



1 Model No	FS1
2 Voltage	01. AC/DC24V; 03. AC220V(50/60Hz)
3 CCT	B. 4000-4500K C. 6000-6500K
4 Length(mm)	(S)With switch
5 Power	5W

MODEL NO NBUE3003

DRAWING



- NBUE3003 is an ultrasonic level(distance) sensor that adopts non-contact measurement mode, with high reliability, maintenance-free features. It does not easily receive disturbance from environmental electromagnetic fields, and meets the transmission requirements in most closed or open containers.

- The communication protocol used is Modbus-RTU, and the serial port supports 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 baud rates.
- NBUE3003 owns high precision class. No matter 4-20mA, 0-5V, or RS485, it is all 0.25%-0.5%F.S, the blind area is small, and it owns complete protection and receives little interference from obstacles. Its response is fast, and reading is stable. Meanwhile, we support OEM service.

GENERAL FEATURES

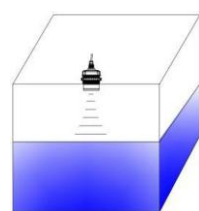
- Ultrasonic working principle
- 0-50% wide automatic temperature compensation
- Advanced algorithm adopted, not affected by low temperature
- Small blind area
- 2.5m, 5m, 10m, 15m wide measuring ranges
- Non-contact and up to 0.25% F.S accuracy customized
- Reverse polarity protection, surge lightning protection, anti-obstacle interference supported
- Short response time, power-off self-recovery function
- Economical and maintenance free design
- IP67 high protection class, IP68 can be customized

TECHNICAL PARAMETERS

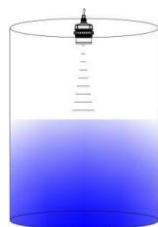
ITEM	NBUE3003
MEASURING RANGE	5m, 10m, 15m, others on request
Blind area	4-20mA(2.5m/5m):≤150mm 0-5V(2.5m/5m):≤200mm 4-20mA/0-5V(10m):≤300mm 4-20mA/0-5V(15m):≤500mm
Accuracy	0.5%F.S (typical), 0.25%F.S (by customized)
Beam angle	12°
Measuring mode	Distance mode(default), or level mode optional
Output signal	RS485+4-20mA; RS485+0-5V
Power supply	10-30VDC(24VDC recommended, 7-30VDC by customized)
Working temperatur	-10-50℃(-40-80℃ by customized)
Working current	≤300mA
Installation mode	Nut clamping fixed installation, screw-in installation, M68×2
Response time	0.1s-10s(adjustable)
Product material	Polypropylene + glass fiber
IP rating	Ip67 typical, IP68 by customized

APPLICATIONS

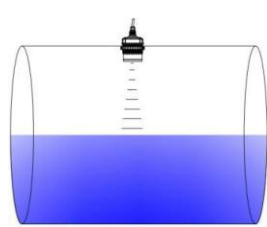
- Water, oil, diesel level measurement, pump control in tank etc.
- Treatment plants
- Food industry
- Chemical industry
- Rivers, channels, lakes...



For Rectangular Tanks



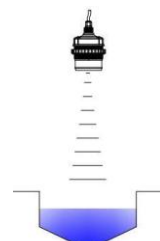
For Cylinder Tanks



For Horizontal Cylinder Tanks

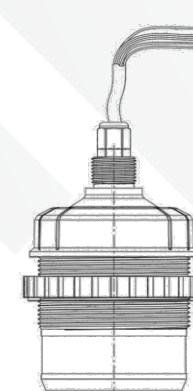


For Cube Tanks

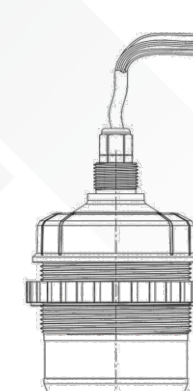


For Flumes

ELECTRICAL CONNECTIONS

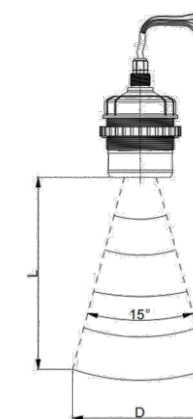


RS485+4-20mA



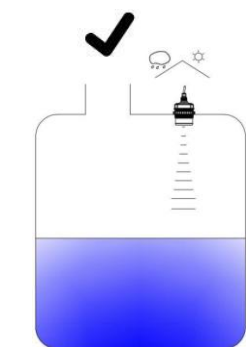
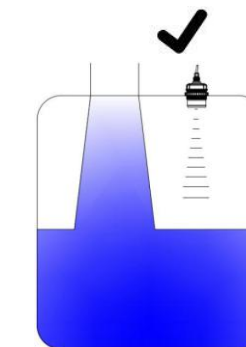
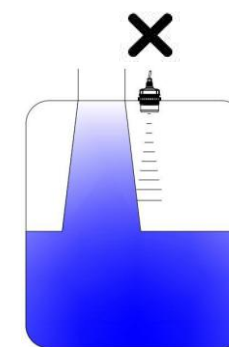
RS485+0-5V

MECHANICAL MOUNTING

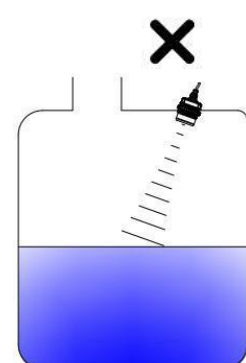
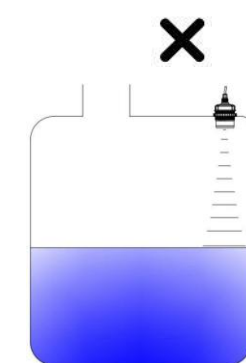
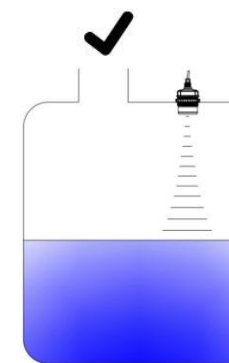


L	D
1m	30cm
2m	60cm
3m	90cm
4m	120cm
5m	150cm
6m	180cm
7m	210cm
8m	240cm
9m	270cm

MOUNTING WARNINGS



For level measurement, the sensor must not be installed near the tank input. It is recommended that the sensor be protected against sun and rain.



The sensor must be installed perpendicular to the surface to be measured and should not be placed close to the side surface.

HOW TO ORDER

Model No.	Accuracy	Cable length
	1=0.5%F.S(typical)	0=no cable
	2=0.25%F.S(By customized)	1=Cable 1m
		X=Cable x m
NBUE3003	X	X
Measuring range		Signal output
1=2.5m		1=RS485+4-20mA
2=5m		2=RS485+0-5V
3=10m		X=By customized
4=15m		
X=By customized		

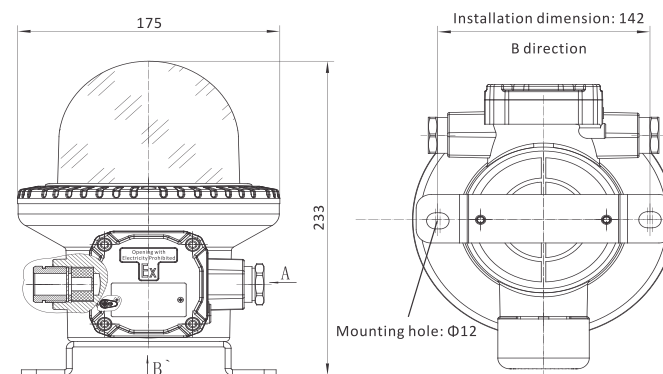


MODEL NO NBBJ-130db

SERIES EXPLOSION - PROOF SOUND AND LIGHT ALARM



DRAWING



The product adopts a highly dynamic streamlined structural design, with smooth and elegant appearance curve.

The NB- series explosion-proof sound and light alarm is composed of ZL102 aluminum alloy cast lamp housing, tempered glass cover, light source module, buzzer module, driving power, entry device and other parts.

The tempered glass of the product is formed by rolling process and then tempered, fully meeting the requirement of high energy impact and thermal fusion;

Exposed metal part is made of stainless steel material

It's equipped with 6 built-in wiring terminals and tightened screws, and it is reliable, convenient and rapid;

The light source adopts multiple high brightness light-emitting diodes, with a luminous efficiency of 100 lumens, green environmental protection, instant start and other characteristics. The light source has a super long service life of 50000 h;

The alarm can output feedback signals separately and be linked with the DCS control room for equipment linkage;

The alarm can be wired with steel pipe or cable, and there are various installation methods available;

There are grounding screws inside and outside the alarm housing, which should be reliably grounded when used by users.

MODEL MEANING

NBBJ-□/□□□□

- Installation method (x: ceiling type; g: suspender type; z: seat type)
- Voltage/Power (V/W)
- Color (R: red; B: blue; Y: yellow; G: green)
- Sound intensity (60~120db)
- Sound and light alarm
- Explosion-proof

5. Applicable scope and purpose

The NBBJ- series explosion-proof sound and light alarm (hereinafter referred to as the alarm) is suitable for use in explosive gas environment of Class IIA~IIC and group T1~T6 or combustible dust environment (Zone 21 and Zone 22). It is used as an emergency sound and light signal alarm prompt under AC 50Hz, rated voltage 220/110/36/24V, DC36/24/12V.

Applicable working environment:

- a. Applicable to ambient temperature: -30°C ~ +60°C;
- b. Applicable to air relative humidity: class IIA, IIB and IIC;
- d. Applicable to hazardous area with explosive gas mixture: Zone 1 and Zone 2;
- e. Explosive dust environment: Zone 21 and Zone 22;
- f. Applicable to temperature groups of explosive gas mixture: T1 ~ T6;
- g. Places without significant shaking or jolting;
- h. Places without damaging insulating gas or vapor.
- i. Places without dripping water or liquid intrusion;
- j. Pollution level: Level 3
- k. Installation category: Class II

MAIN TECHNICAL PARAMETER

Model	Rated Voltage (V)	Rated Power (W)	Flash frequency	Sound intensity (dB)	Protection level
NBBJ	AC:220/36/24/12V DC:36/24/12V	3,4,5,6,7,8	150 times/min	60~120	Ip67
Ex-mark		EX db II C T6 Gb; Ex ib tb IIIC T80°C Db			
Inlet thread		G 3/4"			
Cable outer diameter, (φ,mm)		φ9mm~φ14mm			

Fault analysis and troubleshooting

The possible faults and troubleshooting methods of explosion-proof sound and light alarm are shown in Table 2

NO.	Fault phenomenon	Fault reason	Troubleshooting method
1	The light is not bright	Is the power supply conducted	Check the power supply circuit
2	Discontinuous flicker	1 Loose wiring 2 Damaged drive power supply	1 Check the wiring terminal 2 Replace the drive power supply
3	No alarm sound	1 Loose wiring 2 Sounder damaged	1 Check the wiring terminal 2 Replace the sounder

STORAGE ENVIRONMENT CONDITION

Ambient temperature	-30°C~+60°C
Relative humidity	≥95% at ambient temperature of 25°C