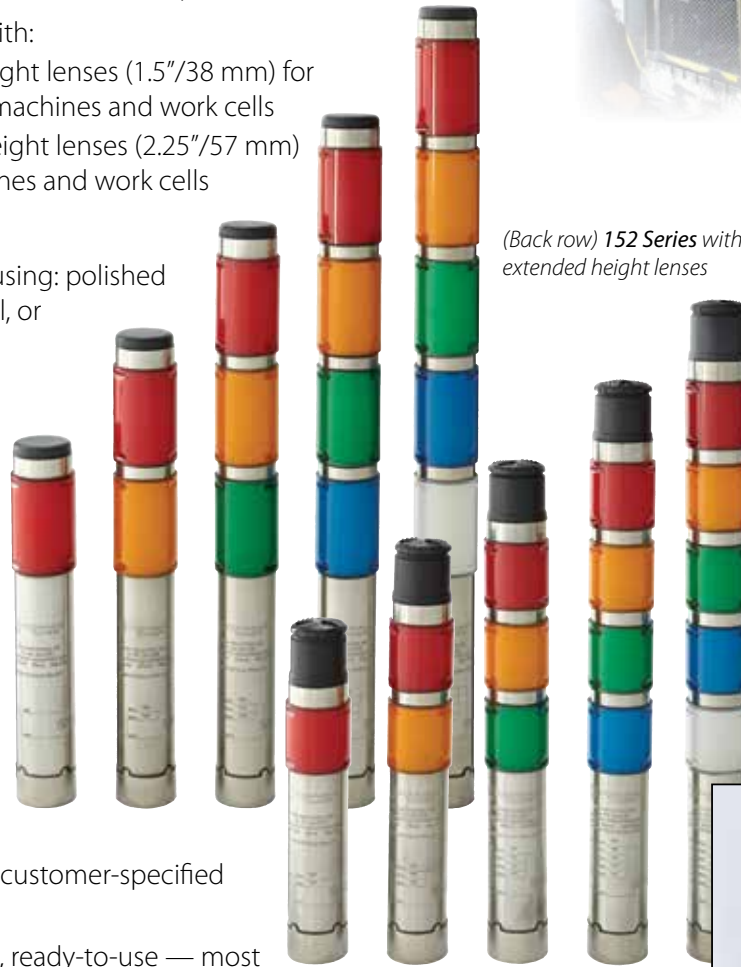


150 Compact Series Andon Lights

- All-metal, heavy-duty construction — designed for harsh Industrial environments
- Long life, super-bright LED illumination (one to five color lenses, arranged in any color orientation)
- 1.5" (38 mm) diameter with:
 - **151 Series** standard height lenses (1.5"/38 mm) for small-to-medium sized machines and work cells
 - **152 Series** extended height lenses (2.25"/57 mm) for medium sized machines and work cells
- 24 VDC (sink or source)
- Choice of 16G metal housing: polished 304SS, nickel plated steel, or powder coated steel
- Solid nickel plated aluminum base; supports a variety of mounting options
- Available with or without adjustable volume buzzer alarm
- Choice of wiring connection: 6' (2m) PVC jacketed cable (std), 12' (4m), 30' (10m), or M12 quick disconnect pigtail (opt); consult factory for customer-specified cables and connectors
- Shipped fully assembled, ready-to-use — most configurations ship in 3 days or less
- **Best in industry 3 year warranty!**



(Back row) 152 Series with extended height lenses

(Front row) 151 Series Andon lights with standard height lenses, shown with buzzer option



We provide a variety of rugged industrial solutions for mounting and wiring 150 Series Andon lights to adapt to most any installation at any angle.

Contact the factory if you need a customized mounting solution.



Built to Order
Delivered within Days

150 Compact Series Andon Lights

Specifications

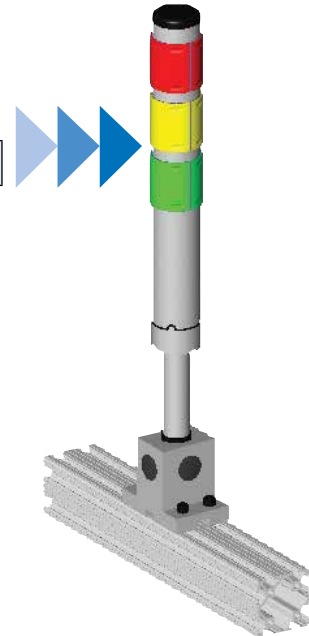


| | |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing | <ul style="list-style-type: none"> • Ø1.5" (38 mm) Andon light • 151 Series: Standard height color segment lens –1.5" (38 mm) • 152 Series: Extended height color segment lens –2.25" (57 mm) |
| | <ul style="list-style-type: none"> • Choice of 304 stainless steel, plated steel, or powder coat painted steel • seals made of Rogers Pourn Neoprene and Buna-N Viton |
| Illumination | <ul style="list-style-type: none"> • See chart below for complete specifications • 8.48 kHz switching frequency • 68% average lens transmissivity with standard diffusion (accounted for in luminous intensity) |
| | <ul style="list-style-type: none"> • 24Vdc nominal, ±15% (see table below for current requirements) • Wiring: 22 AWG stranded conductors; 300 V • 1-3 color segments = 5 conductors; 4-5 color segments = 8 conductors |
| Electrical | <ul style="list-style-type: none"> • Sink or source connection based on DCOM (White) wire connection • Connection: Standard Duty 6', 12', 30' (2, 4, 10 m) PVC jacketed multi-conductor cable (or customer specified length) M12 male quick disconnect with 6" (0.15 m) pigtail M12 male quick disconnect w/mating female connector cable – 6', 12', 30' (2, 4, 10 m) length |
| | <ul style="list-style-type: none"> • Buzzer Option: 5mA @ 24Vdc, adjustable output from 92-103 dB @ 0.6m via mechanical baffle; continuous tone standard (contact factory for other tones) |
| Installation | <ul style="list-style-type: none"> • 151 Series standard units have internal ½-14 NPSM threads at 0.75 inch depth straight cut threads (22 mm thread available, contact factory) • Units can be mounted direction to panels, with wall mount style brackets, base mount brackets and extension poles. See page 4 for graphical representation of mounting options. M12 connectors fit through all standard mounting components, including poles. • Accessories have 1/2-14NPS straight threads as standard, verified for fit. Poles are threaded at both ends, minimum ¾ long thread. M12 QD Connectors will fit through I.D. of Poles and Brackets. Contact factory for other cabling/connector options. |
| | <ul style="list-style-type: none"> • Environmental: Designed for Indoor use; 32 to 122°F (0-50 °C); dust tight (Contact factory for washdown exposure option) |
| Warranty | <p>Product is warrantied for 3 years from date of shipment covering material defects and workmanship. Warranty will replace or repair units determined to be defective from the factory. Warranty does not apply to failures due to misuse, abuse or installation that does not follow generally accepted best engineering practices.</p> |

| Illumination Performance by Color | | 151 Series (12 LED Segments) | | 152 Series (20 LED Segments) | |
|-----------------------------------|-----------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| | Wavelength (nm) | Luminous Intensity (mcd) | Current _{Max} (mA) | Luminous Intensity (mcd) | Current _{Max} (mA) |
| Red | 625 | 9,139 | 45 | 15,232 | 65 |
| Yellow | 590 | 7,344 | 45 | 12,240 | 75 |
| Green | 527 | 14,688 | 50 | 24,480 | 65 |
| Blue | 467 | 4,896 | 50 | 8,160 | 85 |
| Clear (Cool White) | 6K | 24,480 | 50 | 40,800 | 75 |

Part Number Ordering Information

Example: **151** - **SS** - L - D - **RYG** - **N** - **P10UP6** - **M15C2**



| | ① | ② | ③ | ④ | ⑤ | ⑥ | |
|----------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------|----------------|--------------------------------|---|---|--|
| ① Series | 151 | Ø1.5" (38 mm) Andon light with standard height lens | | | | | |
| | 152 | Ø1.5" (38 mm) Andon light with extended height lens | | | | | |
| ② Housing | SS | 304 stainless steel with aluminum base | | | | | |
| | ES | Plated steel with aluminum base | | | | | |
| | CS | Powder coat paint steel with aluminum base | | | | | |
| Illumination Source | L | LED | | | | | |
| Voltage | D | 24 VDC | | | | | |
| | R | Red LED with red lens | | | | | |
| | Y | Yellow LED with yellow LED | | | | | |
| | G | Green LED with green LED | | | | | |
| | B | Blue LED with blue lens | | | | | |
| ③ Color Segments | C | White LED with white translucent lens | | | | | |
| (Specified in any combination from top to bottom in 1 to 5 segments) | 2R | Red LED with white translucent lens | | | | | |
| | 2Y | Yellow LED with white translucent lens | | | | | |
| | 2G | Green LED with white translucent lens | | | | | |
| | 2B | Blue LED with white translucent lens | | | | | |
| ④ Buzzer Option | A | Buzzer option | | | | | |
| | N | No buzzer | | | | | |
| | N | Mo mounting (user supplied) | | | | | |
| | D | Direct mount to panel (1/2-14 flange nut included) | | | | | |
| | DL | "L" bracket (1/2-14 flange nut included) | | | | | |
| ⑤ Mounting | PJNx | Pole with jam nut base mount | | | | | |
| All necessary hardware is included with mounting options | PBx | Base mount bracket with pole mount | x = P6 | 6" pole | | | |
| | PBWx | Base mount bracket with wire exit pole mount | x = P10 | 10" pole | | | |
| | PLx | "L" bracket with pole mount | x = P12 | 12" pole | | | |
| | PUx | "U" bracket with pole mount | x = P18 | 18" pole | | | |
| (See illustrations next page for reference) | P10Ux | Universal pole mount base (for 80-20 Series 10 or equivalent structural framing); 1" o.c. T-slots | x = P24 | 24" pole | | | |
| | P15Ux | Universal pole mount base (for 80-20 Series 15 or equivalent structural framing); 1.5" o.c. T-slots | x = P36 | 36" pole | | | |
| | | | x = P48 | 48" pole | | | |
| | | | x = P72 | 72" pole | | | |
| | | | x = PX | Customer specified length pole | | | |
| | Sx | PVC jacketed cable, standard duty | x = 1 | 6' (2 m) exposed length | | | |
| | | | x = 2 | 12' (4 m) exposed length | | | |
| | Fx | PVC jacketed cable, high flex duty | x = 3 | 30' (10 m) exposed length | | | |
| | | | x = 4 | Customer specified length | | | |
| ⑥ Wiring Options | M15 | M12 5-pin male quick disconnect for 1 – 3 color segments, 6" pigtails | | | | | |
| | M18 | M12 8-pin male quick disconnect for 4 – 5 color segments, 6" pigtails | | | | | |
| | M15Cx | M12 5-pin male quick disconnect and mating female M12 cable for 1 – 3 color segments, PVC jacketed flex duty | x = 1 | 6' (2 m) exposed length | | | |
| | | | x = 2 | 12' (4 m) exposed length | | | |
| | M18Cx | M12 8-pin male quick disconnect and mating female M12 cable for 4 – 5 color segments, PVC jacketed flex duty | x = 3 | 30' (10 m) exposed length | | | |

① Standard height lens Andon light

② Stainless steel housing

③ Red, yellow, green LEDs

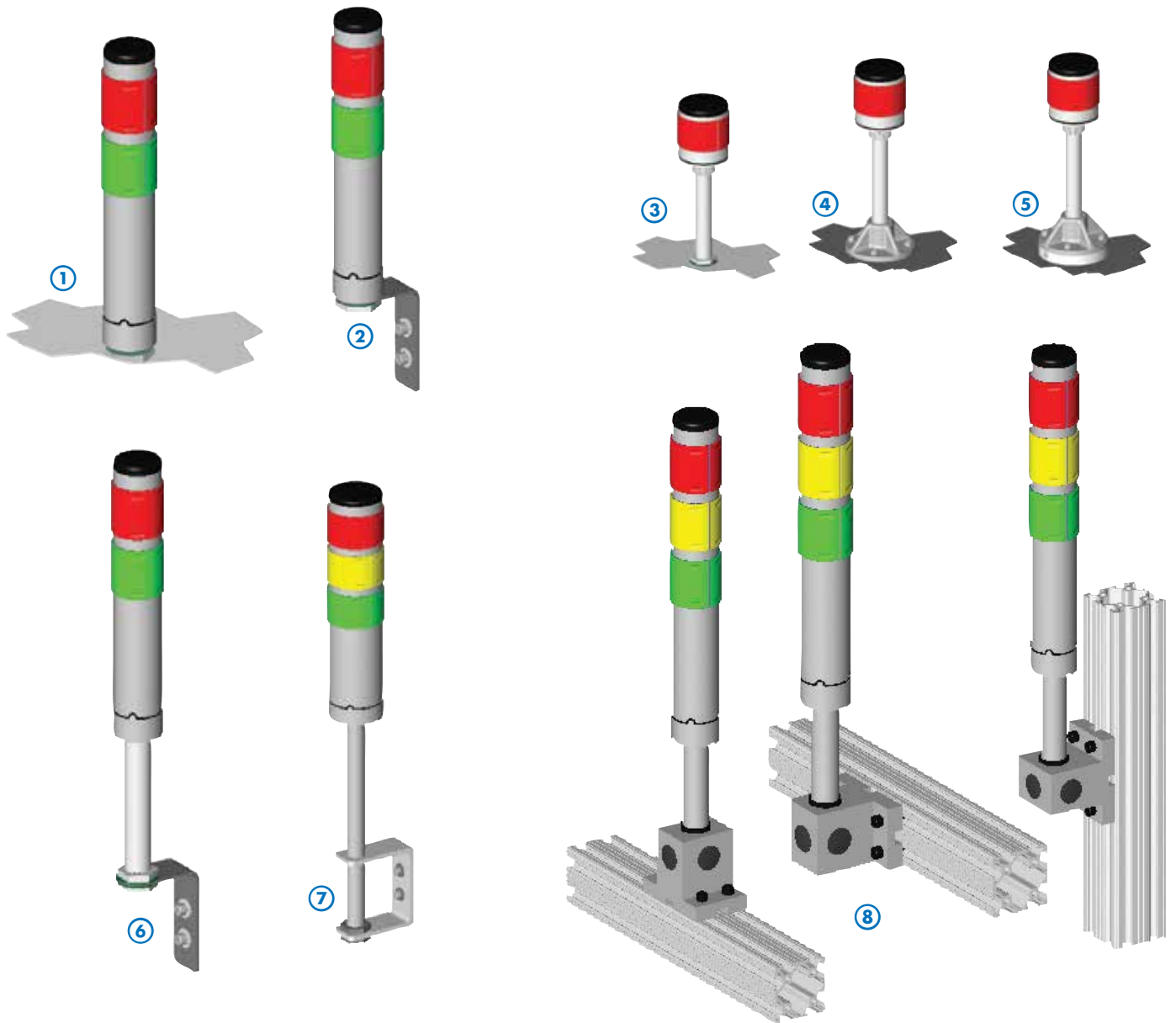
④ No buzzer

⑤ Universal pole mount base with 6" pole

⑥ M12 male quick disconnect w/female connector with 12' cable (not shown)

150 Compact Series Andon Lights

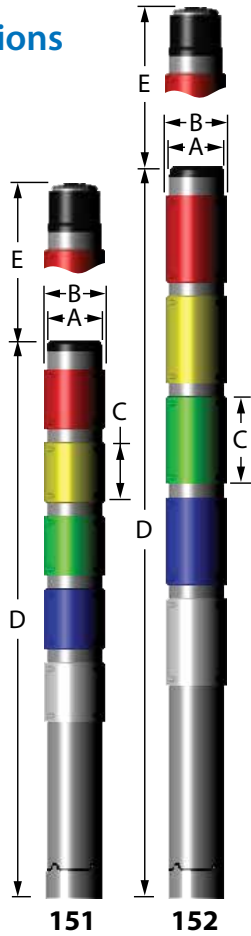
Mounting Options



| | | |
|---|------------------------------|---------------------------------------------------------------------|
| ① | D | Direct mount to panel (1/2-14 flange nut included) |
| ② | DL | "L" bracket (1/2-14 flange nut included) |
| ③ | PJNx | Pole with jam nut base mount |
| ④ | PBx | Base mount bracket with pole mount |
| ⑤ | PBWx | Base mount bracket with wire exit pole mount |
| ⑥ | PLx | "L" bracket with pole mount (using L15 bracket & jam nuts) |
| ⑦ | PUx | "U" bracket with pole mount |
| ⑧ | P10Ux or P15Ux | Universal pole mount base for 80-20 Series 10 or 15 (or equivalent) |

All mounting hardware shown included with kit; poles shown are ordered separately

Dimensions



| | 151 Series | | 152 Series | | | |
|----------|----------------------------|-----|------------|-----|------|-----|
| | in | mm | in | mm | | |
| A | 1.5 | 38 | 1.5 | 38 | | |
| B | 1.6 | 42 | 1.6 | 42 | | |
| C | 1.5 | 38 | 2.25 | 57 | | |
| D | # of Segments | 1 | 7.3 | 185 | 9.0 | 229 |
| | | 2 | 9.3 | 236 | 11.3 | 286 |
| | | 3 | 11.3 | 286 | 14.5 | 368 |
| | | 4 | 13.3 | 337 | 17.3 | 438 |
| | | 5 | 15.3 | 388 | 20.0 | 508 |
| E | Buzzer Option Height Adder | 1.1 | 28 | 1.1 | 28 | |

Wiring Connections

For Units with 1-3 Segments (5c Cable):

- White DCOM
- Brown Segment 1 (Bottom-most)
- Black Segment 2
- Gray Segment 3
- Blue Buzzer

* AIC illuminated cap option with 3 segments will use 8c Cable/M12

For Units with 4-5 Segments (8c Cable):

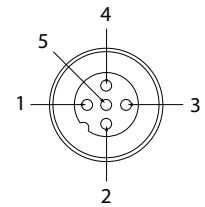
- White DCOM
- Brown Segment 1 (Bottom-most)
- Green Segment 2
- Yellow Segment 3
- Grey Segment 4
- Pink Segment 5
- Red AIC Option
- Blue Buzzer

Visual Workplace, Inc.
616-583-9400
visualworkplaceinc.com

M12 Quick Disconnect Specifications

For Units with 1-3 Color Segment:

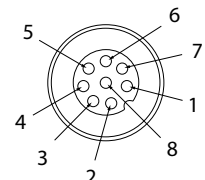
- M12 (8c) male connector is [Turck # RS4.5T](#) installed at 6" pigtail out base of light assembly
- M12 (5c) female mating connect is [Turck RK4.5T-x](#) or equal



- 1 = Brown
- 2 = White
- 3 = Blue
- 4 = Black
- 5 = Gray

For 4-5 Color Segment units:

- M12 (8c) male connector is [Turck # RKC 8T](#) installed at 6" pigtail out base of light assembly
- M12 (8c) female mating connect is [Turck RKC4.8T-x](#) or equal



- 1 = White
- 2 = Brown
- 3 = Green
- 4 = Black
- 5 = Gray
- 6 = Pink
- 7 = Blue
- 8 = Red



Other Products: 250 Standard Series

The 250 Series is Ø2.5" big brother to the 150 Series for general purpose industrial machines & work cells of all sizes. The 250 Series is the most flexible to adapt to customer-specific requirements. As with the 150 Series, the 250 is available as 251 standard height lenses or 252 extended height lenses for higher visibility on large machines and production lines.



*Built to Order
Delivered within Days*