Dauntless IP

TIMES SQUARE LIGHTING

The Dauntless IP is a powerful fixture for integrating textures, patterns and graphics in outdoor lighting designs. The fixture can be used for bright and dynamic logo projection as well as precision framing. Using advanced LED technology, it offers outstanding energy efficiency, compact size and unlimited creative possibilities. Flat-field, high-contrast image projection. Fully weatherized for trouble-free use with minimal maintenance in outdoor installations. Packed with features, allowing huge creativity in setting up exciting lighting effects.

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Features

- Up to 6100 lumens output with 4 beam angles variants from narrow to wide
- Powerful close-range and long-range projection
- Flat-field, high-contrast image projection based on high-power LED engine
- 4 layers of versatile dynamic effects (colors, gobo projection, gobo animation, prisms/frost)
- Crisp image projection
- Rugged IP66-rated housing
- Minimal maintenance – low total cost of ownership

Technical Features

Physical
- Length: 415 mm (16.4 in.)
- Width: 293 mm (11.6 in.)
- Height: 444 mm (17.5 in.)
- Weight: 17.5 kg (38.6 lbs.)

All figures include mounting yoke

Dynamic Effects
- Color wheel: 8 interchangeable colors + open
- Gobo wheel: 6 rotating gobos plus open, indexing, variable rotation
- Gobo animation: Variable speed linear animation effect
- Prism: Prism wheel with 2 interchangeable prisms, prism rotation and indexing Frost (wash effect): Motorized variable
- Focus: Motorized, variable 3 m (9.8 ft.) to infinity
- Shutter: Strobe and pulse effects, instant open and blackout
- Dimming: Electronic, constantly variable 0-100%, 16-bit control

Control and Programming
- Control options: DMX, RDM, standalone
- DMX channels: 13
- Configuration, addressing and status: Onboard control panel with OLED display Control resolution: 8- bit DMX control of each color
- DMX compliance: USITT DMX512-A
- RDM compliance: ANSI/ESTA E1.20

Optics
- Light source: 230 W white light LED engine
- LED manufacturer: Prolight Opto
- CRI (Color Rendering Index): 72
- Color temperature, EU models: 6700 K
- Color temperature, US models: 7100 K
- LED lifetime: 30 000 hours (to >70% luminous output)*

* Figure obtained under manufacturer's test conditions

Photometric Data
- Luminous output: Up to 6100 lumens depending on beam angle variant

- Cut-off angle
- Narrow: 12°
- Medium: 22°
- Wide: 36°
- Very Wide: 50°

Construction
- Housing: Cast aluminum
- Finish: Hard anodized, metallic grey lacquered
- Front glass: 5 mm (0.2 in.) anti -reflection coated tempered glass
- Ingress protection: IP66
- Corrosion resistance: C5-M (very high corrosivity / marine, ISO 12944)
- Impact resistance: IK08 (with control panel display cover plate installed)
- EPA (Effective Projected Area): 0.15 m2
- RoHS compliant

Gobos
- Suitable material: Borosilicate glass, coatings heat-resistant to 450°C (842° F) Alternative material: Aluminum 1060, paint on front lens side, 450° C (842° F) HT paint Gobo diameter: 30.0 mm +0/-0.3 mm (1.2 in. +0/ -0.02 in.)
- Maximum image diameter: 23 mm (0.91 in.)
- Glass gobo thickness, minimum: 1.1 mm ±0.1 mm (0.045 ±0.004 in.)
- Glass gobo thickness, maximum: 3.0 mm ±0.3 mm (0.12in. ± 0.012 in.)
- Aluminum gobo thickness: 0.5 mm ± 0.02 mm (0.020 in. ± 001 in.)

Installation
- Orientation: Any (sides must be kept vertical)
- Mounting: Adjustable yoke
- Minimum distance to illuminated surfaces: 0.5 m (20 in.)
- Location: Suitable for wet locations. Do not immerse in water.

Connections
- Power cable entry: IP68 cable gland
- Power connection: 1.8 m (5.9 ft.) cable tail with bare ends
- Data cable entry: IP68 cable gland
- Data connection: 1.8 m (5.9 ft.) combined input + output cable tail with bare ends

Technical Features Continued...

Electrical
- AC power: 100-240/277 V nominal, 50/60 Hz
- Power supply: Auto-ranging electronic switch-mode
- Typical half-cycle RMS inrush current: 8.4 A
- Idle power (zero intensity, no effects applied): 32 W, 0.3 A
- Typical Power and Current
- 110 V, 60 Hz: 320 W, 2.9 A, PF 0.977
- 230 V, 50 Hz: 310 W, 1.4 A, PF 0.971
- 277 V, 60 Hz: 305 W, 1.2 A, PF 0.950

Figures are typical, not maximum. Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

Thermal
- Cooling: Convection, internal forced air
- Maximum ambient temperature (Ta max.): 45° C (113° F) *
- Minimum ambient temperature (Ta min.): -30° C (-22° F)**

*Above this temperature, the fixture regulates output to protect from overheating.
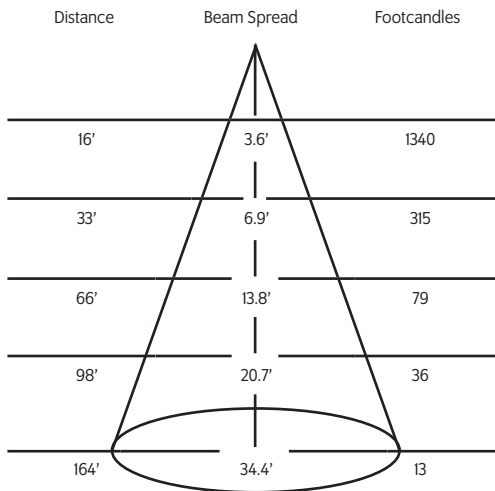***Power must remain applied at ambient temperatures below 0° C (32° F).*

Approvals
- EU safety: EN 60598-2-1, EN 60598-2-5 (EN 60598-1), EN 62471, EN 62493
- EU EMC: EN 55015, EN 55032, EN 55103-2, EN 61000-3-2, EN 61000-3-3, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61547
- US safety: ANSI/UL 1598
- US EMC: CFR 47 Part 15 Class A
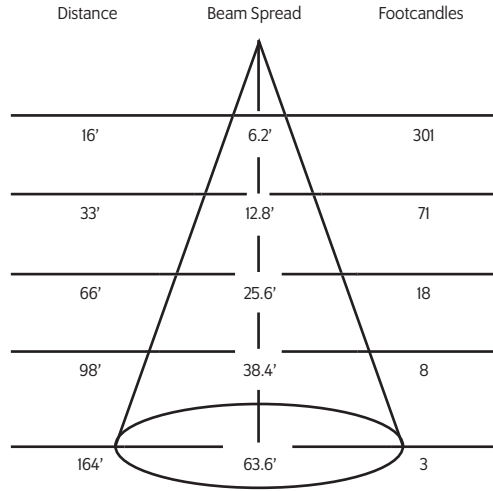- Canadian safety: CSA C22.2 No 250.0
- Australia/NZ: RCM

Accessories
- Glare Shield, Dauntless IP, aluminum: P/N 91611767
- Projection Setup Gobo: P/N 91616068
- Related Items
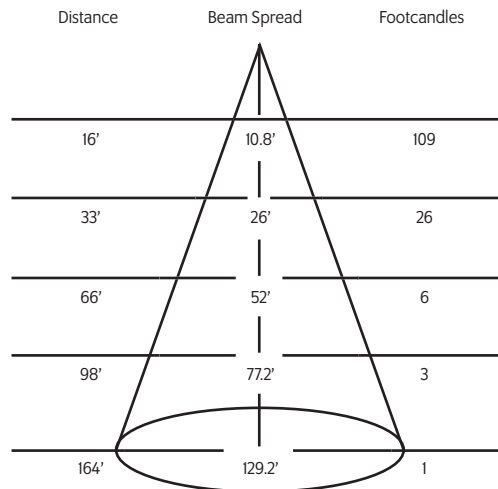- RDM 5.5 Splitter: P/N 90758150
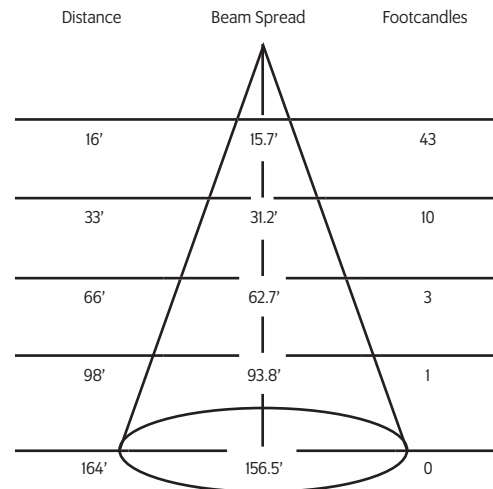- Ordering Information

Photometrics

12º Narrow Lens

Distance	Beam Spread	Footcandles
16'	3.6'	1340
33'	6.9'	315
66'	13.8'	79
98'	20.7'	36
164'	34.4'	13

22º Medium Lens

Distance	Beam Spread	Footcandles
16'	6.2'	301
33'	12.8'	71
66'	25.6'	18
98'	38.4'	8
164'	63.6'	3

37º Wide Lens

Distance	Beam Spread	Footcandles
16'	10.8'	109
33'	26'	26
66'	52'	6
98'	77.2'	3
164'	129.2'	1

51º Very Wide Lens

Distance	Beam Spread	Footcandles
16'	15.7'	43
33'	31.2'	10
66'	62.7'	3
98'	93.8'	1
164'	156.5'	0

Models
- Dauntless IP, Narrow, US, Aluminum: P/N 90506515
- Dauntless IP, Medium, US, Aluminum: P/N 90506520
- Dauntless IP, Wide, US, Aluminum: P/N 90506525
- Dauntless IP, Very Wide, US, Aluminum: P/N 90506530