SOLID STATE AREA LIGHTING

TORNOADO SERIES-LED

SPECIFICATIONS

HOUSING
Durable corrosion resistant low copper cast aluminum alloy A356 (<0.2% Cu) having a minimum wall thickness of ¼”.
Top is crowned for water run off, and retainer screw cavities
are open for drainage. Top is fully gasketed and secured by
(4) stainless steel allen screws. Access Panel(s) is fully
gasketed and retained by (2) stainless steel allen screws
located below the lens. Body secures to Mounting
Stanchion by means of a cast aluminum wedge lock
secured by a single stainless steel bolt and accessed
through the access panel.

LED OPTICAL MODULE
Low copper A356 alloy (<.2% copper) cast aluminum
housing. Integrated clear tempered 3/16” glass lens
sealed with a continuous silicone gasket protects emitters
(LED’s) and emitter Reflector-Prism optics, and seals the
module from water intrusion and environmental
contaminants. LED’s are available in standard Neutral
White (4000K), or optional Cool White (5000K) or Warm
White (3000K). Each emitter is optically controlled by a
Reflector-Prism injection molded from H12 acrylic (3 types
per module; one from 0° - 50°; one from 50° - 65°; one from
65° - 72°). Each Reflector-Prism has indexing pins for aiming
and is secured to an optical plate made of matte black
anodized aluminum. The optical plate locates every
Reflector-Prism over an emitter. Reflector-Prisms are secured
to the optical plate with a UV curing adhesive. The
Reflector-Prisms are armored to produce IES Type II, IES Type
III, IES Type IV, and IES Type V-SQ distributions. The entire
Optical Module is field rotatable in 90° increments. Both
module and drivers are factory wired using water resistant,
insulated cord. Lens, module and drivers are field
replaceable.

LED EMITTERS
High Output LED’s are driven at 350mA for nominal 1 Watt
output each. LED’s are available in standard Neutral
White (4000K), or optional Cool White (5000K) or Warm
White (3000K). Consult Factory for other LED options.

LED DRIVER
UL and CUL recognized High Power Factor, Constant
Current LED drivers operate on input voltages from
120-277VAC, 50/60hz. Consult Factory for 347-480VAC.
Driver is mechanically fastened to a retaining bracket.
Main power quick disconnect provided. Driver has a
minimum 4KV of internal surge protection, 10KV & 20KV
Surge Protector optional. Dimming and High-Low Driver
options available.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on
substrate prepared with 20 PSI power wash at 140°F. Four
step iron phosphate pretreatment for protection and paint
adhesion. 400°F bake for maximum hardness and
durability. Texture finish is standard.
TORNADO SERIES - LED

SPECIFICATIONS

PANEL OPTIONS

RAP
Raised Access Panel
Raised ribs in radiating pattern on Access Panel.
For TNS, both Access Panels will be raised.

Signature Medallion
Logos, medallions and other symbols can be attached to the standard smooth Access Panel.
Consult factory.

MOUNTING STANCHION

TNA
E.P.A. = 1.30
Available in:
24 LED Module

TNS
E.P.A. = 1.18
Available in:
28 LED Module

MODULES

24 LED Module

28 LED Module

ORDERING INFORMATION

LUMINAIRE OPTICS # of LED's COLOR VOLTAGE FINISH OPTIONS

LUMINAIRE

[ ] TNA-LED
[ ] TNS-LED

OPTICS

[ ] LED DISTRIBUTION TYPE
[ ] TNA
[ ] ASY
[ ] TNS
[ ] SYM

[ ] 24LED (28 Watts)
[ ] 28LED (32 Watts)

LED

No. LEDs

[ ] TNA
[ ] 24LED (28 Watts)
[ ] 28LED (32 Watts)

COLOR

[ ] NW (4000K)*
[ ] CW (5000K)
[ ] WW (3000K)

VOLTAGE

[ ] 120
[ ] 208
[ ] 240
[ ] 277
[ ] 347
[ ] 480

FINISH

STANDARD TEXTURED FINISH

[ ] BLACK RAL-9005-T
[ ] WHITE RAL-9003-T
[ ] GREY RAL-7004-T
[ ] DARK BRONZE RAL-8017-T
[ ] GREEN RAL-6005-T

OPTIONS

[ ] RAISED ACCESS PANEL
[ ] DIMMABLE DRIVER(S)
[ ] HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR
[ ] 10KV SURGE PROTECTOR
[ ] 20KV SURGE PROTECTOR

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