

DESCRIPTION

The Talon is the most versatile, functionally designed, universally adaptable outdoor luminaire available. Incorporating modular LED LightBAR™ technology, Talon brings outstanding uniformity and energy conscious illumination to walkways, parking lots, roadways, building areas, and any security lighting application. UL and cUL listed for wet locations.

SPECIFICATION FEATURES

Construction

One-piece heavy-wall, die-cast aluminum construction with integral reveal channels along top surface of housing. Optimized for reliable operation from 40°C down to -30°C, internal cast-in wall separates optical and electrical chambers allowing components to operate cooler. Stainless steel latches and hinges allow for toolless opening and removal of door frame.

Optics

Choice of fifteen (15) high efficiency, patent pending AccuLED optical systems manufactured from injection molded acrylic. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED optics create consistent distributions with the scalability to meet customized application requirements. Talon optics feature quick disconnect wiring plugs and are field-rotatable in 90° increments allowing manipulation of distribution independent of fixture position. Offered standard in 4000°K (+/- 275K) CCT and >70 CRI.

Electrical

Offered standard with LED drivers and related electrical componentry hard mounted to die-cast housing details for optimal heat transfer and operating efficiency. Talon operates from 120-277V 50/60Hz, 347V 60Hz, 480V 60Hz. Optional galvanized steel swing-down power tray with integral handle allow tray to be removed from housing providing ample hand and tool room for attachment of fixture during installation. Offered standard with the Cooper Lighting proprietary circuit module designed to withstand 10kV transient line surge. 50,000+ hour life with >70% lumen maintenance. LightBARS™ feature an IP66 enclosure rating.

Mounting

Extruded 8" aluminum arm includes internal bolt guides allowing for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter for contractor friendly arrival of product on site. Optional mounting methods include a wall

mount plate, an external mast arm that accepts 2 3/8" O.D. horizontal tenons and direct mounting to pole or wall surfaces. Tenon adapters available to slipfit over poles equipped with 2 3/8" or 3 1/2" O.D. tenon. 3G vibration rated.

Finish

Housing and arm finished in a 5 stage super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum, and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty

Talon LED features a 5 year limited warranty.



TLM TALON MEDIUM LED

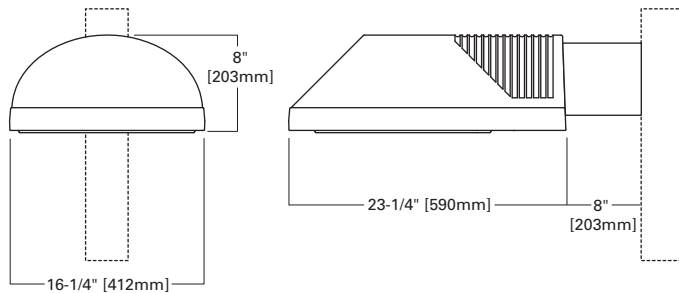
2 - 6 LightBARS

Solid State LED

ARCHITECTURAL
AREA LUMINAIRE

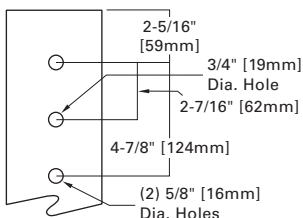
Sustainable Design

DIMENSIONS

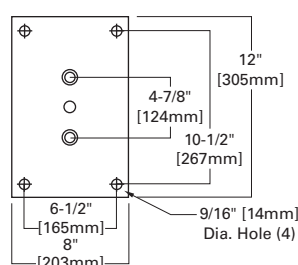


ARM DRILLING

TYPE "M"



WALL MOUNT



CERTIFICATION DATA

40°C Ambient Temperature Rating
UL and cUL Listed
LM79 / LM80 Compliant
IP66 LightBARS
3G Vibration Tested
ARRA Compliant
ISO 9001

ENERGY DATA

Electronic LED Driver

>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60hz, 347V/60hz,
480V/60hz
-30°C Minimum Temperature

EPA

Effective Projected Area: (Sq. Ft.)
Luminaire w/o Arm: 0.79
8" Arm: 0.43

SHIPPING DATA

Approximate Net Weight:
57 lbs. (25.91 kgs.)

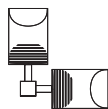
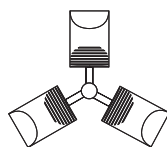
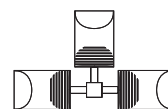
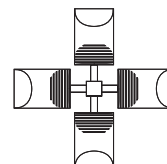
POWER AND LUMENS BY BAR COUNT

# of Bars	System Watts	Type SL2 Lumens	Type SL3 Lumens	Type SL4 Lumens	Type 5WQ Lumens	Ambient Temperature	Lumen Multiplier
2 Bars	53	3,252	3,447	3,354	3,735	10°C	1.04
3 Bars	80	4,878	5,170	5,031	5,602	15°C	1.03
4 Bars	103	6,504	6,894	6,708	7,469	25°C	1.00
5 Bars	129	8,130	8,617	8,385	9,337	40°C	0.96
6 Bars	156	9,837	10,426	10,146	11,228		

NOTE: Lumen values based upon 4000K CCT, 350mA drive current, 25°C ambient operating temperature.

MOUNTING CONFIGURATIONS

Wall Mount

Arm Mount Single
EPA 1.22Arm Mount 2 @ 180°
EPA 2.44Arm Mount 2 @ 90°
EPA 2.44Arm Mount 3 @ 120°
(Round Pole Only)
EPA 3.23Arm Mount 3 @ 90°
EPA 3.23Arm Mount 4 @ 90°
EPA 3.63

ORDERING INFORMATION

Sample Number: TLM-A03-LED-E1-T3-BK

Product Family ¹	Number of ² Lightbars	Lamp Type	Voltage	Distribution	Color ³	Options ⁴	Accessories ⁸
TLM = Talon Site Medium	A02 = 2 Bars A03 = 3 Bars A04 = 4 Bars A05 = 5 Bars A06 = 6 Bars	LED = Solid State Light Emitting Diodes	E1 = Electronic (120-277V) 347 = 347V 480 = 480V	T2 = Type II T3 = Type III T4 = Type IV 5MQ = Type V Square Medium 5WQ = Type V Square Wide 5XQ = Type V Square Extra Wide 5MR = Type V Round Medium 5WR = Type V Round Wide SL2 = Type II w/Spill Control SL3 = Type III w/Spill Control SL4 = Type IV w/Spill Control RW = Rectangular Wide SLL = 90 Degree Spill Light Eliminator Left SLR = 90 Degree Spill Light Eliminator Right	AP = Grey BZ = Bronze BK = Black WH = White DP = Dark Platinum GM = Graphite Metallic	P = Button Type Photocontrol ⁵ (120V, 208, 240, or 277V) R = NEMA Twistlock Photocontrol Receptacle PT = Electrical Power Tray 2L = Bi-Level Switching Capable ⁶ 7060 = 70 CRI/6000K CCT ⁷ LCF = LightBAR Cover Plate Matches Housing Finish WM = Wall Mount with Arm DM = Direct Mount for Round or Square Pole DW = Direct Wall Mount MS = External Mast Arm Adapter ICP = Integral Cold Weather ⁵ Battery Pack (Specify 120V or 277V)	MA1010-XX = Single Tenon Adapter for 3 1/2" O.D. Tenon MA1011-XX = 2 @ 180° Tenon Adapter for 3 1/2" O.D. Tenon MA1012-XX = 3 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon MA1013-XX = 4 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon MA1014-XX = 2 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon MA1015-XX = 2 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon MA1016-XX = 3 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon MA1017-XX = Single Tenon Adapter for 2 3/8" O.D. Tenon MA1018-XX = 2 @ 180° Tenon Adapter for 2 3/8" O.D. Tenon MA1019-XX = 3 @ 120° Tenon Adapter for 2 3/8" O.D. Tenon MA1045-XX = 4 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon MA1048-XX = 2 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon MA1049-XX = 3 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon OA/RA1016 = NEMA Twistlock Photocontrol - Multi-Tap OA/RA1027 = NEMA Twistlock Photocontrol - 480V OA/RA1201 = NEMA Twistlock Photocontrol - 347V OA/RA1013 = Shorting Cap MA1253 = 10kV Circuit Module Replacement

Notes:

- 8" arm and round pole adapter included with fixture.
- Standard 4000K CCT and greater than 70CRI.
- Custom and RAL color matching available upon request. Consult Cooper Lighting Representative for further information.
- Add as suffix.
- Must specify voltage.
- Low-Level output varies by bar count specified. Consult Factory.
- Consult Factory for lead times and lumen multiplier.
- Order separately, replace XX with color suffix.