

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.

Catalog #		Type
Project		
Comments		Date
Prepared by		

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 seventeen (17) 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. 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. 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.

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.



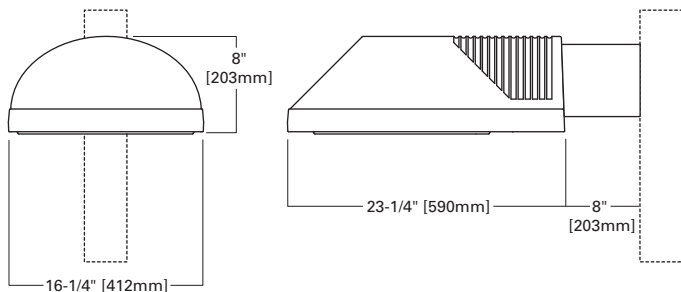
TMU TALON MEDIUM LED

1 - 6 LightBARS
Solid State LED

AREA LUMINAIRE

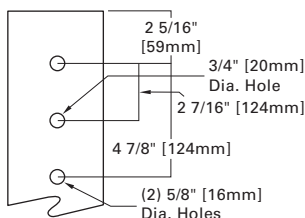
Sustainable Design

DIMENSIONS

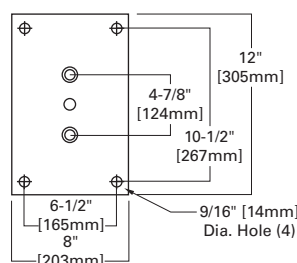


DRILLING PATTERNS

TYPE "M"



WALL MOUNT



CERTIFICATION DATA

40°C Maximum Ambient Temperature
UL and cUL Listed
ISO 9001
IP66 LightBARS
ARRA Compliant

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

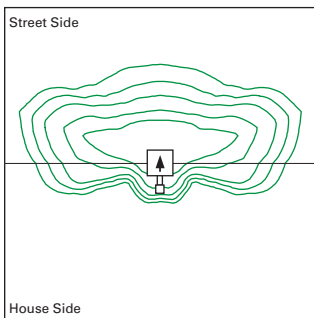
Approximate Net Weight:
57 lbs. (25.91 kgs.)

POWER AND LUMENS BY BAR COUNT

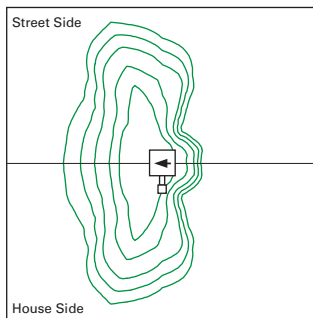
# of Bars	System Watts	Type SL2 Lumens	Type SL3 Lumens	Type FT Lumens	Type 5WQ Lumens	Ambient Temperature	Lumen Multiplier
1 Bar	26	1,626	1,724	1,677	1,868	10°C	1.04
2 Bars	53	3,252	3,447	3,354	3,735	15°C	1.03
3 Bars	80	4,878	5,170	5,031	5,602	25°C	1.00
4 Bars	103	6,504	6,894	6,708	7,469	40°C	0.96
5 Bars	129	8,130	8,617	8,385	9,337		
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.

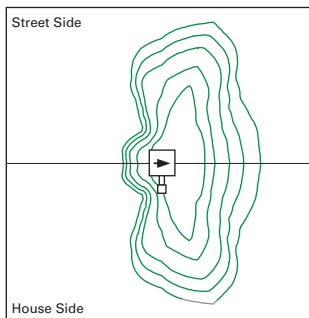
OPTIC ORIENTATION



Standard



Optics Rotated Left @ 90° [L90]



Optics Rotated Right @ 90° [R90]

ORDERING INFORMATION

SAMPLE NUMBER: TMUA04LEDEUT3SAP

TMU	LED						
Product Family ¹ TMU= Medium							
Number of Lightbars ² A02=2 Bars A03=3 Bars A04=4 Bars A05=5 Bars A06=6 Bars							
Lamp Type LED=Solid State Light Emitting Diodes							
Ballast Type E=Electronic							
Voltage U=Universal (120-277V) 8=480V ³ 9=347V ³							
				Distribution T2A=Type II Area T3A=Type III Area T2S=Type II Short T3S=Type III Short T4S=Type IV Short 5WQ=Type V Square Wide 5WR=Type V Round Wide 5MQ=Type V Square Medium 5MR=Type V Round Medium 5XQ=Type V Square Extra Wide SL2= Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLR=90° Spill Light Eliminator Right SLL=90° Spill Light Eliminator Left			
					Colors ⁴ AP=Grey BK=Black BZ=Bronze DP=Dark Platinum GM=Graphite Mettalic WH=White		
						Options (add as suffix) R90=Optics Rotated Right 90° L90=Optics Rotated Left 90° 4=NEMA Photocontrol Receptacle 3=Three position Terminal Block U=UL Listed/CSA Certified P=Button Type Photocontrol (120, 208, 240 or 277V) ⁵ R=Electrical Power Tray WM=Wall Mount with 8" Arm DM=Direct Mount for Round or Square Pole DW=Direct Wall Mount MS=External Mast Arm Adapter 2L=Bi-Level Switching Capable ⁶ 7060=70CRI/6000K ⁷	
							Accessories (order separately/replace XX with color designation) 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 MA1253=10kV Circuit Module OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Shorting Cap

NOTE: 1 8" arm and round pole adapter included with fixture.
 2 Standard 4000K CCT and >70 CRI.
 3 Consult factory for availability.
 4 Custom and RAL color matching available upon request. Consult Cooper Lighting Representative for further information.
 5 Must specify voltage
 6 Low-level output varies by bar count specified. Consult factory.
 7 Consult factory for lead times and lumen multiplier.
 8 Specifications and dimensions subject to change without notice.

MOUNTING CONFIGURATIONS

