

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/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 tool-less opening and removal of door frame.

Optics

Choice of thirteen (13) patented, high efficiency AccuLED Optics™ 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 nominal 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. 3G vibration rated.

Finish

Housing and arm finished in a 5 stage Super 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 five-year limited warranty.

Catalog #		Type
Project		
Comments		Date
Prepared by		

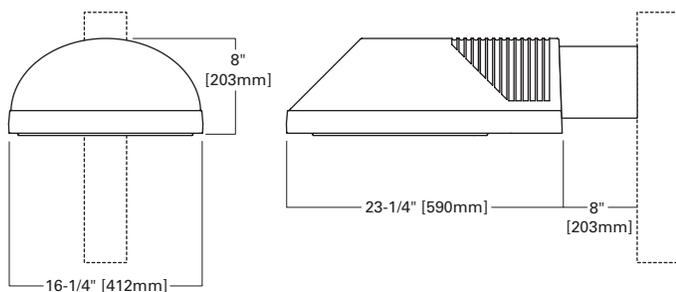


TMU TALON MEDIUM LED W7LEDS (100026)

1 - 6 LightBARs
Solid State LED

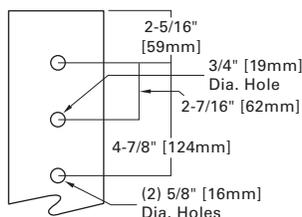
ARCHITECTURAL AREA
LUMINAIRE

DIMENSIONS

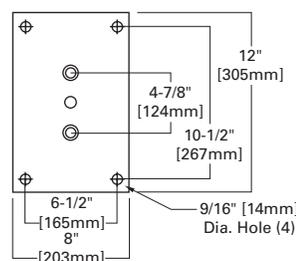


ARM DRILLING

TYPE "M"



WALL MOUNT



CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARs
3G Vibration Tested
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
40°C Maximum Ambient 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

Number of LightBARs	DISTRIBUTION														
	Power [Watts]	Current @ 120V [A]	Current @ 277V [A]	T2A	T3A	T3S	T4S	SL2	SL3	SL4	5MQ	5WQ	5XQ	RWQ	SLR/SLL
7 LED LIGHTBAR															
C02	54	0.46	0.21	3,509	3,469	3,391	3,495	3,484	3,368	3,347	3,711	3,724	3,605	3,540	3,203
C03	77	0.65	0.29	5,291	5,230	5,112	5,269	5,252	5,078	5,046	5,594	5,614	5,436	5,337	4,829
C04	101	0.86	0.37	6,983	6,902	6,747	6,954	6,932	6,703	6,660	7,383	7,410	7,174	7,043	6,373
C05	131	1.11	0.50	8,362	8,265	8,079	8,327	8,300	8,026	7,975	8,841	8,872	8,590	8,434	7,631
C06	154	1.3	0.58	10,119	10,002	9,777	10,077	10,045	9,712	9,651	10,699	10,737	10,396	10,206	9,235
21 LED LIGHTBAR															
B02	51	0.43	0.20	4,317	4,267	4,171	4,299	4,285	4,143	4,117	4,564	4,580	4,435	4,354	3,940
B03	73	0.62	0.28	6,508	6,433	6,288	6,481	6,460	6,246	6,207	6,881	6,906	6,686	6,564	5,939
B04	95	0.81	0.35	8,589	8,490	8,299	8,554	8,526	8,244	8,192	9,081	9,114	8,824	8,663	7,839
B05	124	1.05	0.48	10,285	10,166	10,166	9,938	10,209	9,871	9,809	10,874	10,913	10,566	10,373	9,386
B06	146	1.24	0.56	12,446	12,302	12,302	12,026	12,355	11,946	11,871	13,159	13,207	12,786	12,554	11,359

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

ORDERING INFORMATION

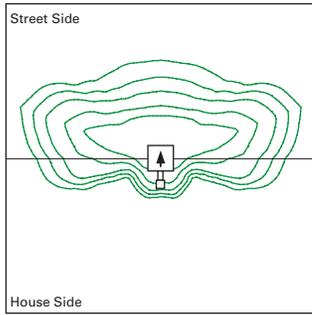
SAMPLE NUMBER: TMUB04LEDEUT3SAP

TMU	LED					
<p>Product Family¹ TMU= Medium</p> <p>Number of LightBARs^{2,3} B02= [2] 21 LED LightBARs B03= [3] 21 LED LightBARs B04= [4] 21 LED LightBARs B05= [5] 21 LED LightBARs B06= [6] 21 LED LightBARs C02= [2] 7 LED LightBARs C03= [3] 7 LED LightBARs C04= [4] 7 LED LightBARs C05= [5] 7 LED LightBARs C06= [6] 7 LED LightBARs</p> <p>Lamp Type LED=Solid State Light Emitting Diodes</p> <p>Ballast Type E=Electronic</p> <p>Voltage U=Universal (120-277V) 8=480V 9=347V</p>	<p>Distribution T2A=Type II Area T3A=Type III Area SL2= Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control T3S=Type III Short T4S=Type IV Short 5MQ=Type V Square Medium 5WQ=Type V Square Wide 5XQ=Type V Square Extra Wide RWQ=Rectangular Wide SLL=90 Degree Spill Light Eliminator Left SLR=90 Degree Spill Light Eliminator Right</p>	<p>Colors⁴ BZ=Bronze AP=Grey BK=Black WH=White DP=Dark Platinum GM=Graphite Metallic</p>	<p>Options⁵ LCF=LightBAR Cover Plate Matches Housing Finish R90=Optics Rotated Right 90 Degrees L90=Optics Rotated Left 90 Degrees 3=Three position Terminal Block 4=NEMA Photocontrol Receptacle Tray R=Electrical Power U=UL Listed/CSA Certified 2L=Bi-Level Switching⁶ 7060=70 CRI 6000K CCT⁷ 8030=80 CRI 3000K CCT⁷ WM=Wall Mount Arm DM=Direct Mount for Round or Square Pole DS=Direct Wall Mount MS=External Mast Arm Adapter P=Button Type Photocontrol (120, 208, 240, 277V)⁸</p>	<p>Accessories⁹ MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1011-XX=2 @ 180 Degrees Tenon Adapter for 3-1/2" O.D. Tenon MA1012-XX=3 @ 120 Degrees Tenon Adapter for 3-1/2" O.D. Tenon MA1013-XX=4 @ 90 Degrees Tenon Adapter for 3-1/2" O.D. Tenon MA1014-XX=2 @ 90 Degrees Tenon Adapter for 3-1/2" O.D. Tenon MA1015-XX=2 @ 120 Degrees Tenon Adapter for 3-1/2" O.D. Tenon MA1016-XX=3 @ 90 Degrees 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 Degrees Tenon Adapter for 2-3/8" O.D. Tenon MA1019-XX=3 @ 120 Degrees Tenon Adapter for 2-3/8" O.D. Tenon MA1045-XX=4 @ 90 Degrees Tenon Adapter for 2-3/8" O.D. Tenon MA1048-XX=2 @ 90 Degrees Tenon Adapter for 2-3/8" O.D. Tenon MA1049-XX= 3 @ 90 Degrees Tenon Adapter for 2-3/8" O.D. Tenon OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - Multi-Tap - 347V OA/RA1013=Photocontrol Shorting Cap MA1253=10kV Circuit Module</p>		

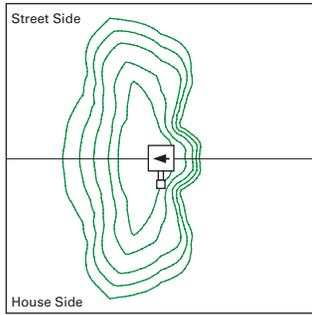
NOTE: 1 18 inch arm and round pole adapter included with fixture.
 2 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
 3 Standard 4000K CCT and nominal 70 CRI.
 4 Custom and RAL color matching available upon request. Consult your Cooper Lighting Representative for further information.
 5 Add as suffix.
 6 Low-level output varies by bar count specified. Requires quantity of 2 or more LightBARs. Consult factory.
 7 Consult factory for lead times and lumen multiplier.
 8 Must specify voltage.
 9 Order separately/replace XX with color suffix.

DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

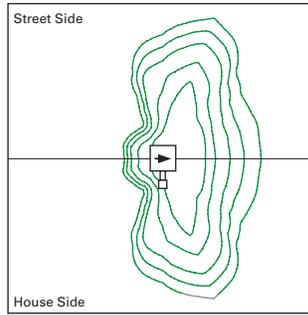
OPTIC ORIENTATION



Standard



Optics Rotated Left @ 90° [L90]



Optics Rotated Right @ 90° [R90]

MOUNTING CONFIGURATIONS

Wall Mount

Arm Mount Single
EPA 1.22

Arm Mount 2 @ 180°
EPA 2.44

Arm Mount 2 @ 90°
EPA 2.44

Arm Mount 3 @ 120°
(Round Pole Only)
EPA 3.23

Arm Mount 3 @ 90°
EPA 3.23

Arm Mount 4 @ 90°
EPA 3.63

