

SIGNAGE KEY:

1. SPEED LIMIT
(3 locations)

SPEED LIMIT 10

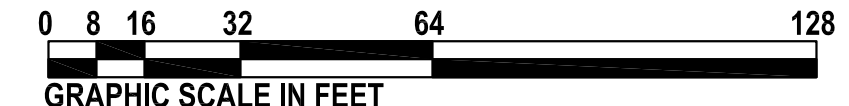
1. NO PARKING FIRE LANE
(4 locations)

FIRE LANE

1. SLOW
(1 location)

SLOW

1 SITE PLAN
SCALE: 1/32" = 1'-0"



PROJECT NAME:
**THE WORSHOP
PERMIT SET**

PROJECT ADDRESS:
**11 HANKEY ST.
ROCHDALE, MA 01542**

CLIENT
**THE WORKSHOP
11 HANKEY ST.
ROCHDALE, MA 01542**

ARCHITECT
OPRCH
THE OFFICE OF PENN RUDERMAN
ARCHITECTS, INC.
110 GLEASONDALE RD
STOW, MA 01775
617.855.5277

CONTRACTOR

CODE CONSULTANT
CODE RED CONSULTANTS, LLC
154 TURNPIKE ROAD, SUITE 200
SOUTHBOROUGH, MA 01772
T. 617.500.7633
F. 617.500.2074

REVISIONS

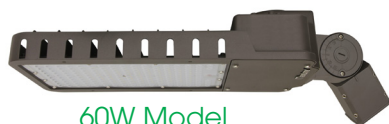
DATE: MAY 01, 2021

SITE PLAN
A1.00

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LED SLIM AREA LIGHTS AR SERIES, GENERATION 2

Fixture shown with
Slipfitter Knuckle



60W Model

Fixture shown with
Trunnion Swivel



100-140W Model

Fixture shown with
Straight Arm



210-280W Model



FEATURES:

- Replaces up to 750W MH/HPS equivalent
- Universal 120-277V dimming driver standard, 347-480V available
- Dusk-to-dawn and occupancy sensor capability
- Greater than 100,000 hour L90 lifetime at TM21 standards at 25°C
- 10kV surge suppression standard
- Comes with 41" 18/3 SO cord

MOUNTING:

- 7.5" Straight Arm¹
- Trunnion Swivel
- 2-3/8" Slipfitter Knuckle

WARRANTY:

10-year standard warranty with labor allowance*
(further details available at www.maxlite.com/warranties)

*Warranty Limitations: Product must be rated for the application per the Product Data Sheet (PDS); operated ≤16 hrs/day; in ambient of -29°F to 104°F.

*Up to \$25/unit; labor allowances of up to \$500/unit available for purchase – contact MaxLite representative for details.

CONTROLS:

PC Option: NEMA standard C136.41 3-pin twist lock receptacle for use with NEMA twist lock photocell. **The photocell is sold separately.**

Photo/Motion Sensor: The FSP-211 uses passive infrared (PIR) sensing technology to react to changes in infrared energy (i.e. moving body heat) within the coverage area. This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body and is ideal for outdoor environments. The sensor operates at 120V/230V-240V and single phase 277V. The motion sensor is fully adjustable with high and low dimmed light level options with optional dusk to dawn control. Sensor can be combined with various lenses to operate at mounting heights from 8' to 40'. Please refer to page 4 for the sensor's factory default settings. Factory settings can be adjusted via the FSIR-100, a wireless configuration tool. **Note that the sensor comes with photocell setting disabled and the FSIR-100 must be purchased if photocell functionality is desired.**

Please refer to the FSP-211 Supplementary Datasheet for more product information.

DIMENSIONS: Please see page 3 and 4 for dimension drawings.

PRODUCT DESCRIPTION:

The LED Slim Area Lights deliver class-leading efficacy in a lightweight design that can be effortlessly applied to new and retrofit outdoor projects. Offered in lumen packages ranging from 7,700lm to over 35,000lm, the AR Series achieves up to 130 lumens per watt while providing significant long-term energy and maintenance cost savings.

MODEL SELECTION				Typical order example: AR60UT5-50BK				
AR				-				
FAMILY	NOMINAL WATTAGE	VOLTAGE	DISTRIBUTION	-	CCT	FINISH	MOUNTING	OPTIONS
AR= Area Light	60= 60W,250W MH/HPS equivalent 100= 100W, 400W MH/HPS equivalent 140= 140W, 400W MH/HPS equivalent 210= 210W, 750W MH/HPS equivalent 280= 280W, 750W MH/HPS equivalent	U= 120-277V H= 347-480V	T2= Type II T3= Type III T4= Type IV T5= Type V	-	40= 4000K 50= 5000K	B= Bronze <i>Contact Maxlite for additional finishes</i>	A= Straight Arm ¹ K= 2-3/8" Slipfitter Knuckle T= Trunnion Swivel	(OMIT)= None MS= Daylight/Motion Sensor RPC= NEMA 3-pin receptacle (NEMA twist lock Photocell sold separately) PR7= NEMA 7-Pin receptable (control module sold separately)

NOTES:

- The straight arm mounting fits square poles. For compatibility with round poles, combine the straight arm mounting with a round pole adaptor. See adaptor selection table on page 3.

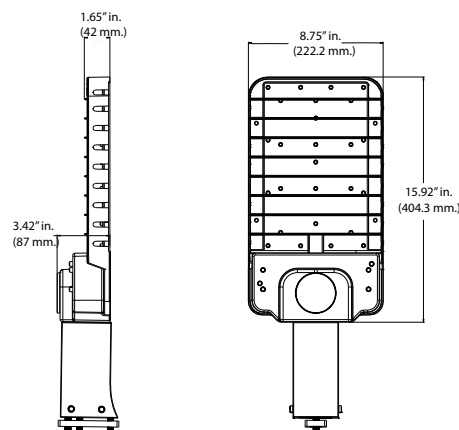
SPECIFICATIONS:

SPECIFICATIONS:				60 WATT	100 WATT	140 WATT	210 WATT	280 WATT
ITEM	SPECIFICATION			DETAILS				
GENERAL PERFORMANCE	Input Power (W)			60W	100W	140W	210W	280W
	Type II	4000K	Lumens	7846	12420	17014	25633	34547
			BUG Rating	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
		5000K	Lumens	7860	12675	17922	26756	35886
			BUG Rating	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Type III	4000K	Lumens	7900	12420	17014	25663	34547
			BUG Rating	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
		5000K	Lumens	7900	12675	17922	26756	35886
			BUG Rating	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Type IV	4000K	Lumens	7615	12421	17015	25663	34548
			BUG Rating	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B5-U0-G5
		5000K	Lumens	7699	12675	17922	26756	35886
			BUG Rating	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B5-U0-G5
	Type V	4000K	Lumens	7787	12420	17014	25663	34547
			BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1
		5000K	Lumens	7860	12675	17922	26756	35886
			BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1
	Efficacy (lm/W)			up to 130 lm/W				
	CRI			> 70				
	Lumen Maintenance (L90, TM21 @ 25°C)			> 100,000 hours				
	Color Temperature			4000K and 5000K available				
	Power Factor			> 0.9				
	THD			< 16%				
ELECTRICAL	Input Voltage Range			120-277V standard, 347-480V available				
	Housing			Die-cast aluminum				
	Lens			Polycarbonate lens				
PHYSICAL	Housing			2-3/8" Slipfitter, Straight Arm, Trunnion Swivel				
	Lens			Type II, Type III, Type IV, Type V - Frosted lens				
	Mounting			Slip Fitter, Straight Arm, Trunnion Mount options				
	Dimensions (Module)			15.9"x8.7"x3.4"	16.9" x 10.3" x 3.4"		16.6" x 15.0" x 3.5"	
	Weight			8.5 lbs	11.8 lbs	12.5 lbs	22.5 lbs	23.9 lbs
	EPA (sq. ft) 0°/90°			0.43/1.34	0.43/1.64		0.49/2.26	
	Operating Temperature			-40°F to 131° F (-40°C to 55°C)				
QUALIFICATIONS	Qualifications			cULus, supports T24 compliance				
	Material Usage			RoHS compliant; no mercury				
	Environment			Outdoor, Wet location, IP65 rating				
	Warranty			10-year standard warranty*				

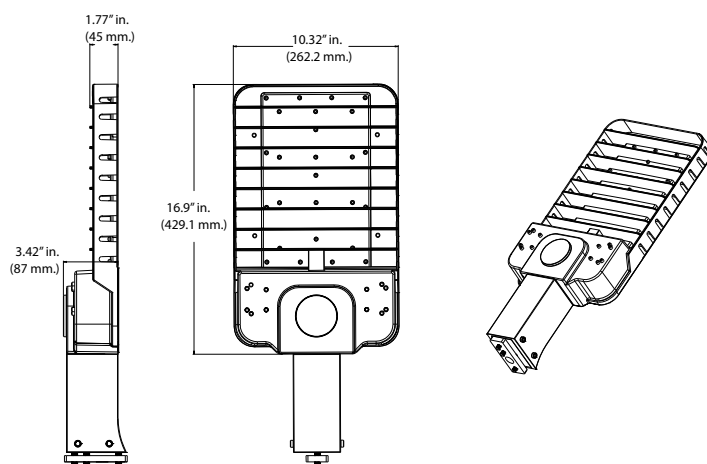
ACCESSORIES:

ORDER CODE	MODEL	DESCRIPTION
107846	AR-MAL-4RPA	4" Round Pole Adaptor for AR-MAL Series, to be used with straight arm
107847	AR-MAL-5RPA	5" Round Pole Adaptor for AR-MAL Series, to be used with straight arm
105038	PCTL-UNV	Twist-Lock Electronic Photocontrol 120/208/240/277V
1408292	6394LL	NEMA Twist-Lock Photo Control 347V-480V
96268	MLRTLPCRSP	Shorting cap for NEMA Twist Lock receptacle (3, 5 or 7 pin)
103658	AR-S-HS-GEN2-B	House Side Shield for AR GEN 2 Series, Bronze Finish, Small Size compatible with 60W/100W/140 Models
1408946	AR-MAL-L-HS-B	House Side Shield for AR-MAL Series, Bronze Finish, Large Size compatible with 210 W/280W Model
102944	UPMA-B	Universal Pole Mount Adaptor, Bronze, hardware and gasket included
102945	UPMA-S	Universal Pole Mount Adaptor, Silver, hardware and gasket included
102225	UPMA-4RPA-B	Round Pole Adaptor for 4" pole for Universal Pole Mount Adaptor
102976	UPMA-5RPA-B	Round Pole Adaptor for 5" pole for Universal Pole Mount Adaptor
102184	FSIR-100	Remote Hanheld Configuration Tool

DIMENSIONS:

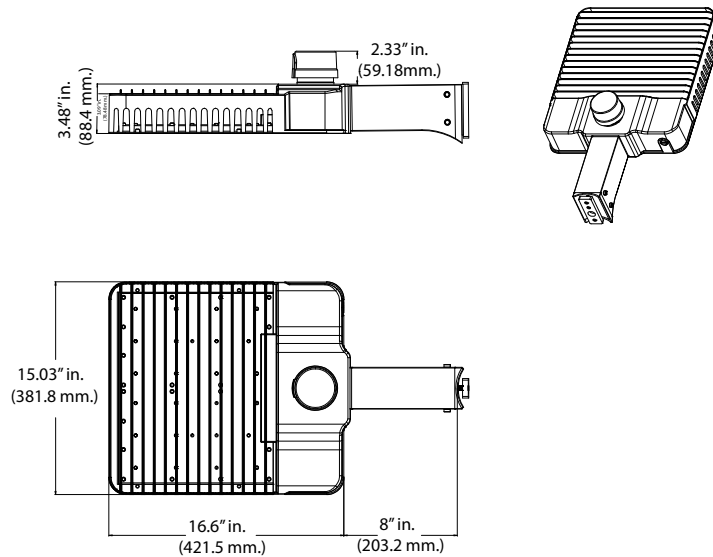


60W Model



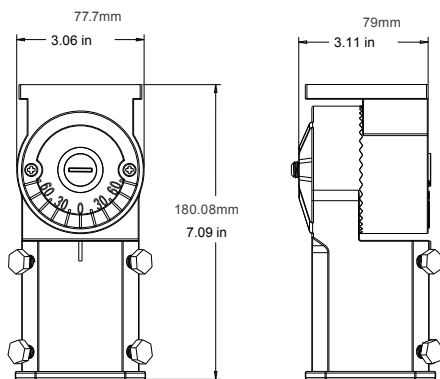
100-140W Model

DIMENSIONS:

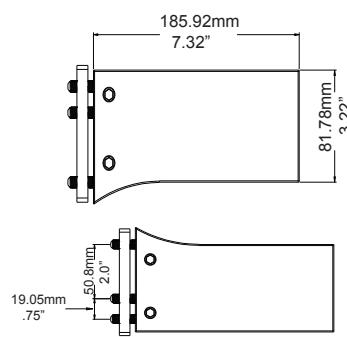


210-280W Model

MOUNTING DIMENSIONS:



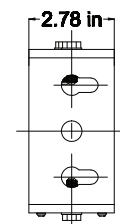
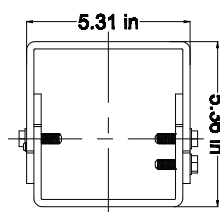
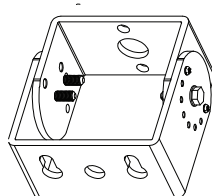
Slip Fitter Knuckle



Straight Arm



Trunnion Swivel





ethan desota <evdesota@gmail.com>

Fire Dept

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To: The WorcShop <theworcshop@gmail.com>
Cc: ethan desota <evdesota@gmail.com>

Thu, Apr 22, 2021 at 9:53 PM

Hi All,

I don't think you need a fire lane to circle the entire building. I have provided my notes for each of the items raised in the letter from Mike Wilson. I have also attached a diagram overlaying the site plan for clarification. There are some items that will require review and I have labeled them in the red text below

Access Road Location Requirements

Fire department access roads must be provided so fire apparatus can drive within 50 ft (15 m) of an exterior door that allows access to the interior of the building.

Access roads are provided to within 50 feet of 6 of the 8 existing or planned exterior doors. There are two locations where this access is impeded:

- The first is where at the truck loading dock at Building 4. If a truck is parked there, the distance between fire apparatus and the exterior door will be greater than 50'*
- The second location is the exterior door at the existing courtyard.*

This 50 ft (15m) distance can be increased to 150 ft (46 m) for one- or two-family dwellings, or townhouses, that are protected with an automatic sprinkler system.

We are not a one- or two-family dwellings, or townhouse

The fire department access roads also need to be located so that any portion of the building or facility is not more than 150 ft (46 m) from fire department access roads as measured around the exterior of the building or facility. This requirement ensures that first responders can reach most parts of the building with their hose lines. This 150 ft (46 m) distance can be increased to 450 ft in buildings that are protected with an automatic sprinkler system because a correctly installed sprinkler system reduces the fire risk to the occupants and firefighters.

The building is sprinklered. No portion of the building is more than 450' from fire department access roads as measured around the exterior of the building.

If the AHJ determines that a single fire department access road can be impaired by through traffic, terrain challenges, climate conditions or anything else then multiple access roads might be required.

Access Road Specifications

Access roads need to allow adequate access to the building and room to setup and perform manual suppression operations. Fire department access roads require 20 ft (6.1 m) of unobstructed width, 13.5 ft (4.1 m) of unobstructed vertical clearance and an appropriate radius for turns in the roads and dead ends for the vehicles apparatus to turn around. The minimum 20 ft (6.1 m) width allows for two-way vehicular traffic and for one fire apparatus vehicle to pass while another is working at a fire hydrant or conducting aerial operations while the 13.5 ft (4.1 m) vertical clearance ensures that fire apparatus can safely pass under power lines, bridges, and other obstructions.

Access Road Width:

The survey indicates the access road is 20'-9" at its narrowest point, located on the entry drive along the south west, or front facade, of the building. Signage has been proposed for this location to indicate, "No Parking, Fire Lane". The exception to this is at the drive along the northeast side of the building. There are two concrete impediments adjacent to the building wall which locally reduce the drive lane from 22'-6 to approximately 17'-9". Signage has also been proposed for this location to indicate, "No Parking, Fire Lane".

Access Road Height:

I believe there are no impediments to the 13.5 foot height clearance. The height of the power line crossing the access drive near the front of the building should be verified for confirmation.

Vehicle Turn-arounds:

There is currently room for a 35' turning radius at the end of the access road. HOWEVER, this will mean losing 5 of the 9 parking spaces we had proposed in the rear. An alternative turnaround scenario is a 'Y' shaped fire apparatus turn-around, which, if acceptable to the fire department, would only result in losing 1 of the 9 spaces. I believe the use of the 'Y' shaped turnaround (effectively a 3-point turn), is at their discretion.

Bridges need to be designed to be able to support a load sufficient enough to carry a fully loaded fire apparatus and the vehicle load limits need to be provided at both entrances to the bridge.

N/A. No bridges on site

The grade of the road also must not exceed 1 ft (0.3 m) of elevation change every 20 ft (6.1 m) or whatever the design limits of the local fire apparatus dictate.

Grade does not exceed 1 ft for every 20 feet measured at the centerline of the path of travel. There is one location, the inside radius of the first right turn at the front of the building, where grade is approximately 1 ft for 13'-6" of travel.

As determined by the AHJ, certain parts of the fire department access road are required to be marked, these marked portions of the fire department access roads are called fire lanes.

Per submitted drawings, The Worcshop is proposing signage to indicate, "No parking, Fire Lane" along the southwest and northeast faces of the building.

Obstructions

This next requirement is one that most people have heard of because it is typically painted in large letters in front of buildings, but I'll reiterate it here. If an area is designated as a fire lane, cars are not allowed to be parked there. In addition, the width of the rest of the fire department access road needs to be maintained and unobstructed. This means that parked vehicles need to be accounted for on roads or lots where they would normally park.

Per submitted drawings, The Worcshop is proposing signage to indicate, "No parking, Fire Lane" along the southwest and northeast faces of the building. Where parking is provided, a minimum of 24' access drive has been provided for two-way traffic per the Town of Leicester Parking Regulations, allowing for the required width of the Access Road.

Other obstructions might include gates, doors or any other security feature. First responders must be able to access these areas in an event of an emergency. Access can be granted by installing an access box which is a listed box that usually contains items such as keys, access codes, card keys, or a remote opening device for first responders.

Fire departments must have adequate, unobstructed access to the buildings where incidents can occur in order for them to do their job properly. It is to everyone's benefit to allow fire departments easy access and the requirements in Chapter 18 of NFPA 1 help ensure this happens.

[Quoted text hidden]



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WorcShop Exterior Storage Policy.

Our facility is right next to the French River and has very limiting wetlands setback regulations. It is the core goal of the WorcShop to minimize negative environmental impacts while operating. The following limitations apply:

- Do not leave loose equipment or materials outside.
- All outside storage must receive pre-authorization from WorcShop staff except non-hazardous storage that is stored inside of storage container units.
- Absolutely zero automotive work is to be done on the property. This includes, but is not limited to:
 - Any mechanical work.
 - Any auto-body work.
 - Any fluid changes.
- Do not park vehicles on the grass.
- No fluid storage outside, if you need to store fluids, ask shop staff for available spaces (paint in paint cabinet, propane in propane storage, etc).
- No camping or overnight stays on the premises. Residential occupancy on the site or in the building (i.e. members, staff, or anyone else living on the premises) is strictly prohibited. The Leicester Fire Department will conduct regular (no less than every 6 months) unannounced inspections. If evidence of residency is found; an immediate cease & desist order will be issued.
- The adjoining wooded area must be left as-is unless you're clearing dead wood or debris. Existing wooded areas on the site shall remain undisturbed except to remove dead or diseased trees that would pose a safety hazard.
- There are to be no yard projects.