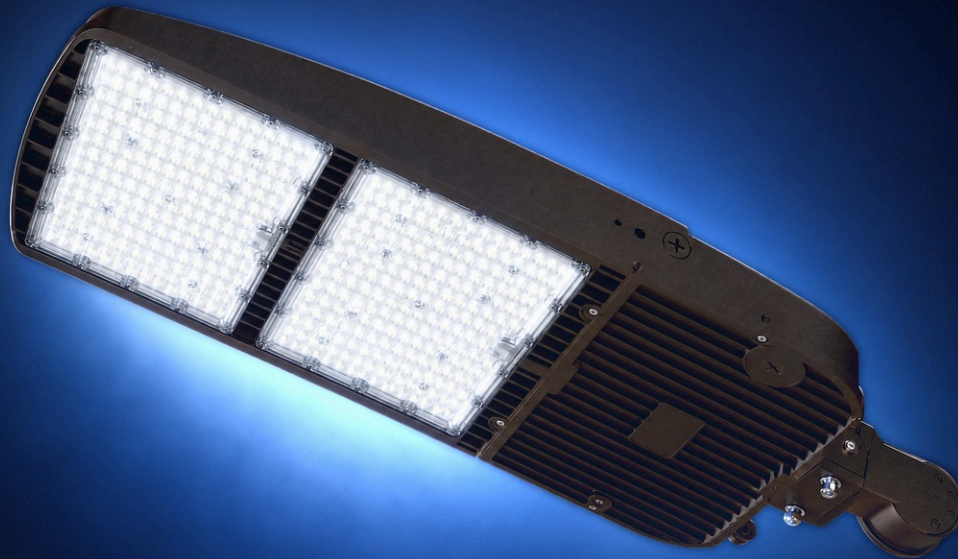




TUNABLE LED AREA LIGHT · 70 – 500 W

Area light

One-piece die-cast aluminum housing with UV-resistant powder coat finish. Tunable 3000 / 4000 / 5000 K, 0–10 V dimming, Type II, III, IV and V distributions. Four wattage ranges from 70 W to 500 W.

73,430_{lm}

LUMENS (MAX), 500 W MODEL

70–500_w

TUNABLE WATTAGE RANGE

50,000_h

LIFE SPAN

IP65

OUTDOOR RATING, WET LOCATION

PROJECT

TYPE

CATALOG NO.

DATE



Specification and features

Ideal for auto dealerships, parking lots, walkways, roadways, campuses, facade lighting, grocery stores and other public areas.

INPUT VOLTAGE AC120-277V / AC120-347V / AC277-480V

CRI Ra > 70

DIMMING 0-10 Vdc

DRIVER EFFICACY 90%

WORKING TEMPERATURE -40°F to 113°F

OUTDOOR RATING Wet location / IP65

CCT 3000 K / 4000 K / 5000 K tunable

DISTRIBUTION Type II, Type III, Type IV, Type V

POWER FACTOR 0.95

LIFE SPAN Over 50,000 hrs

STORAGE TEMPERATURE -40°F to 176°F

WARRANTY 5 years limited

Features

High luminous efficiency and long working life.

High efficiency LED driver, wide range input voltage AC120-277V / AC120-347V / AC277-480V.

Die-cast aluminum cooling design, high quality and better cooling for LED Tj < 85°C.

Excellent optics design, greatly improves the light utilization and evenness.

One-piece die-cast aluminum housing with UV-resistant powder coat finish for outstanding corrosion protection.

Outstanding photometric performance, uniform illumination, low-profile design and easy installation.

Motion sensor control available (optional).

Options and accessories



Type A slip-fitter



Type D trunnion



Type E yoke



Type F slip-fitter + arm



Dark shield



PIR sensor



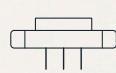
Motion sensor



Surge protector



Photocell sensor



Shorting cap



Remote controller (RC)

Performance data, every model

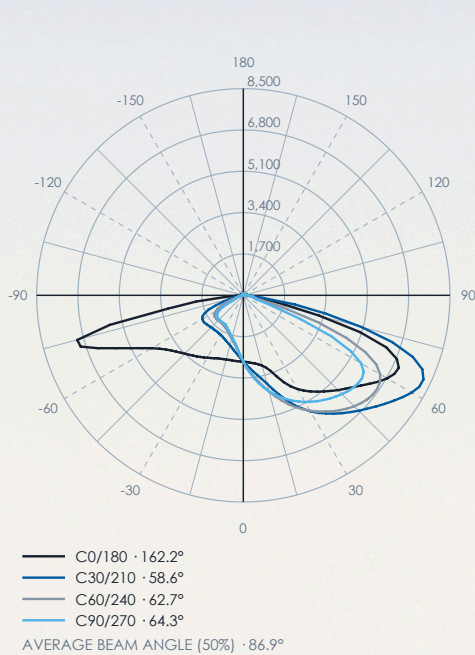
Tunable wattage range and maximum lumens of each model.

Models

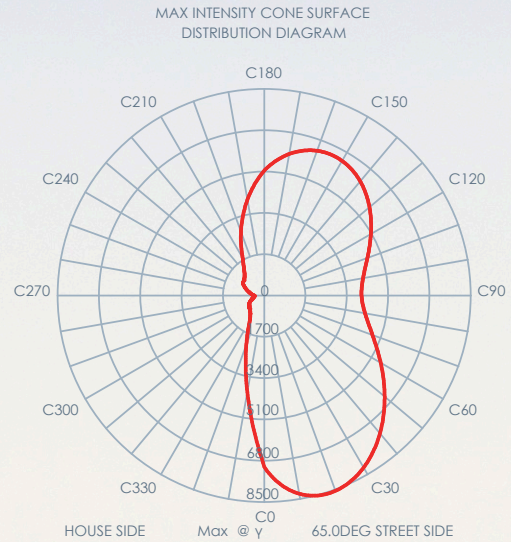
TUNABLE WATTAGE

MODEL	WATTAGE	LUMENS (MAX)
AR07-150W-H-TCP	150 / 100 / 70 W	23,186 lm
AR07-200W-H-TCP	200 / 150 / 100 W	31,220 lm
AR07-300W-H-TCP	300 / 240 / 200 W	46,659 lm
AR07-500W-H-TCP	500 / 450 / 400 W	73,430 lm

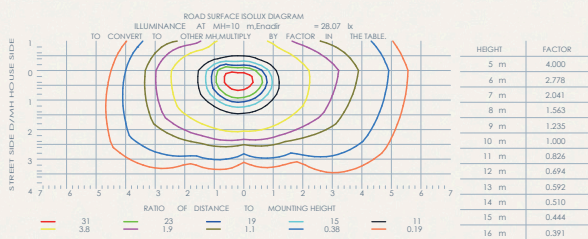
Photometrics · 150/100/70 W



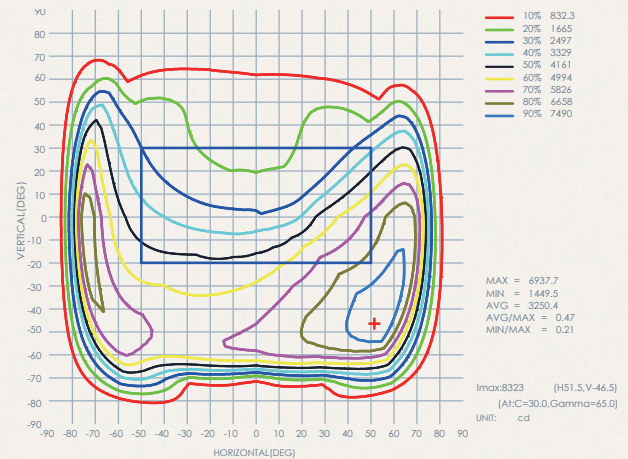
INTENSITY DISTRIBUTION IN C PLANES



MAX INTENSITY CONE SURFACE



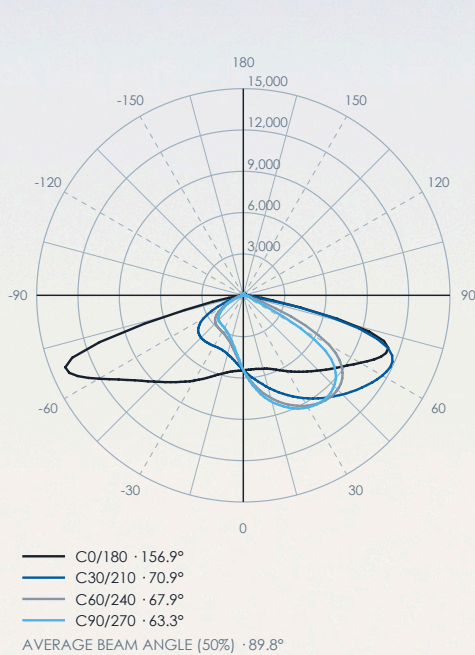
ROAD SURFACE ISOLUX



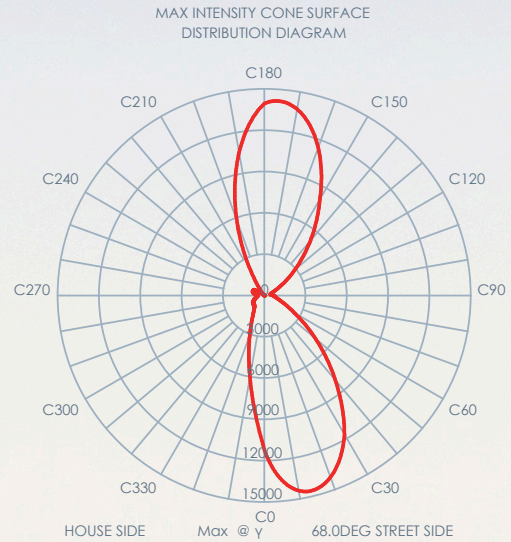
CANDELA CONTOUR

Drawn from the factory vector data. Intensity in candelas, angles in degrees; isolux values convert to other mounting heights with the factory factor table.

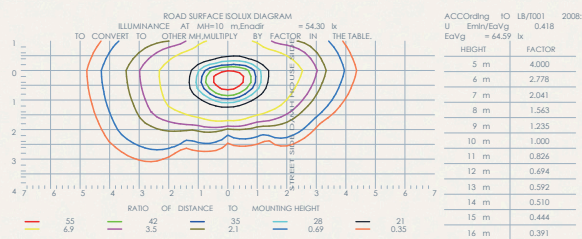
Photometrics · 200/150/100 W



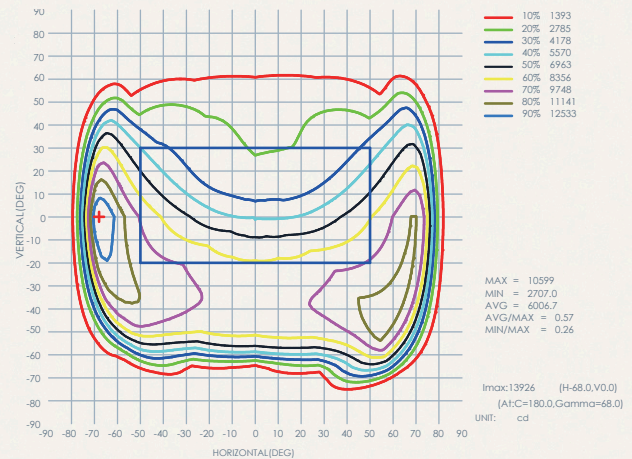
INTENSITY DISTRIBUTION IN C PLANES



MAX INTENSITY CONE SURFACE



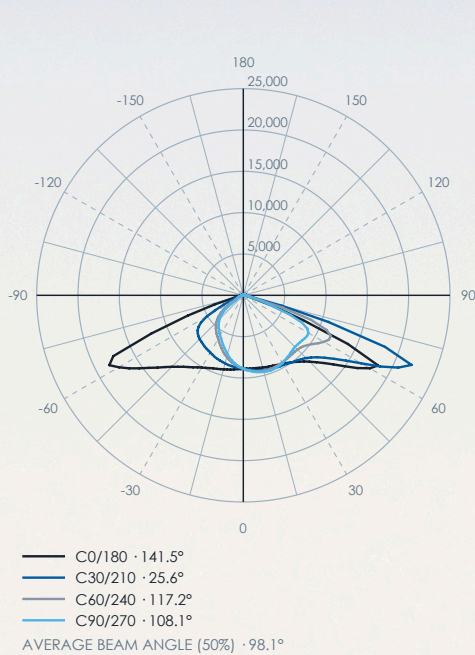
ROAD SURFACE ISOLUX



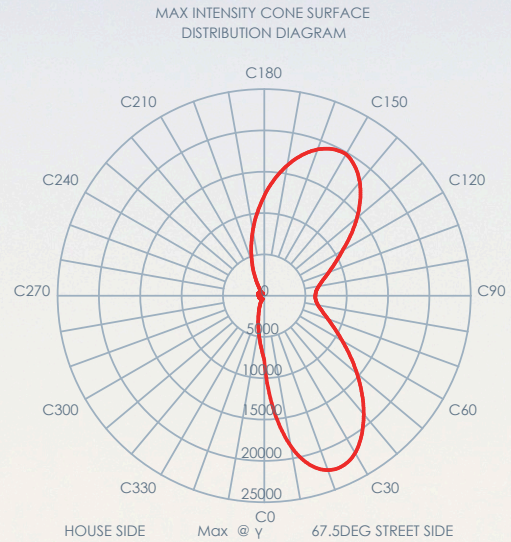
CANDELA CONTOUR

Drawn from the factory vector data. Intensity in candelas, angles in degrees; isolux values convert to other mounting heights with the factory factor table.

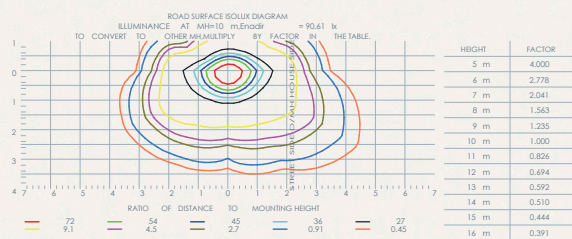
Photometrics · 300/240/200 W



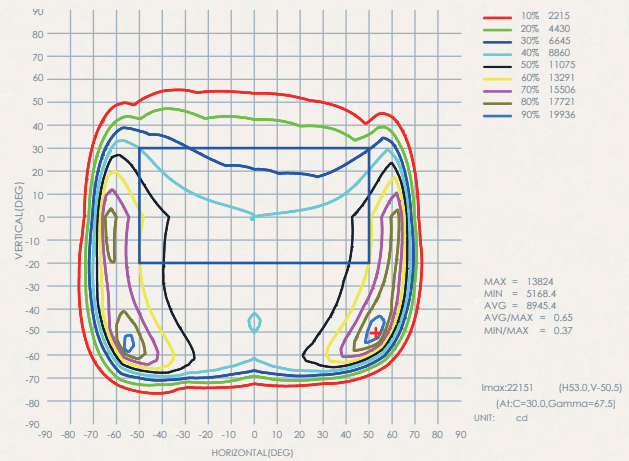
INTENSITY DISTRIBUTION IN C PLANES



MAX INTENSITY CONE SURFACE



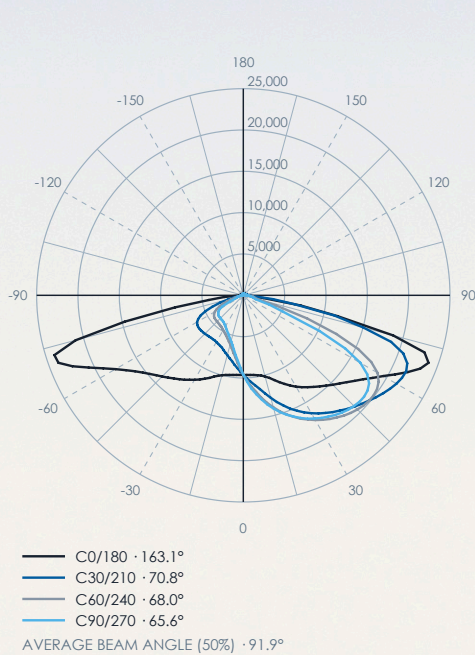
ROAD SURFACE ISOLUX



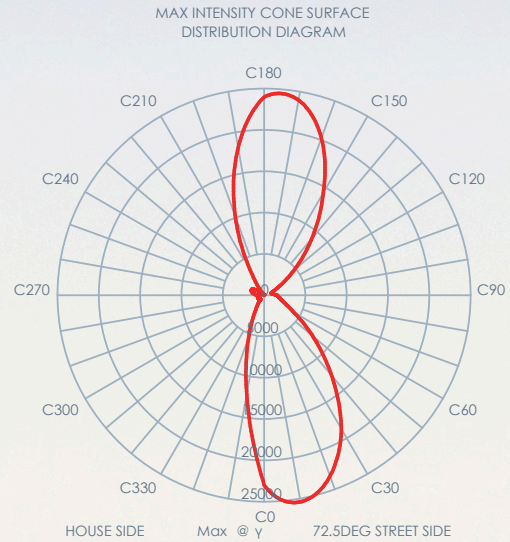
CANDELA CONTOUR

Drawn from the factory vector data. Intensity in candelas, angles in degrees; isolux values convert to other mounting heights with the factory factor table.

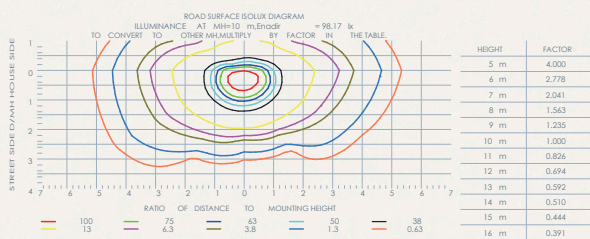
Photometrics · 500/450/400 W



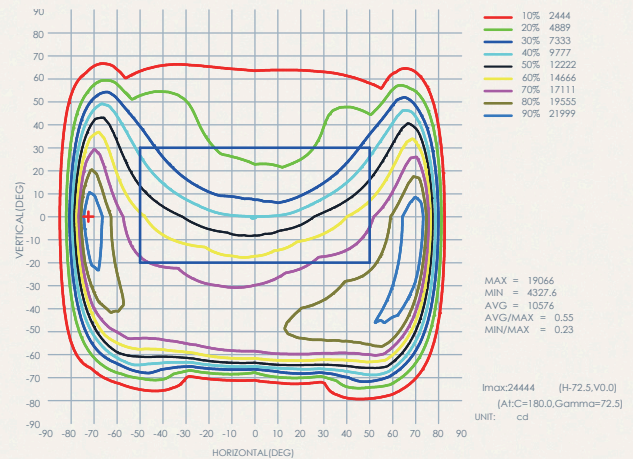
INTENSITY DISTRIBUTION IN C PLANES



MAX INTENSITY CONE SURFACE



ROAD SURFACE ISOLUX



CANDELA CONTOUR

Drawn from the factory vector data. Intensity in candelas, angles in degrees; isolux values convert to other mounting heights with the factory factor table.

Ordering guide

Catalog number breakdown

LEFT TO RIGHT

AR07 – 500W – H – xx – TCP – Y – zz

	1	2	3	4	5	6	7
1	Product	AR07	Area light				
2	Power	150W · 200W · 300W · 500W	150/100/70 W · 200/150/100 W · 300/240/200 W · 500/450/400 W				
3	High lumens	H	High lumens				
4	Voltage	xx	Blank 120–277 V · MV 120–347 V · HV 277–480 V				
5	CCT	TCP	3000 K · 4000 K · 5000 K				
6	Control	Y	A PIR sensor (infrared sensor) · B MS (occupancy sensor) · C BRT (occupancy + bluetooth) · D PHB (infrared bluetooth) · Blank no sensor				
7	Light distribution type	zz	T2 · T3 · T4 · T5				

EXAMPLE AR07-500W-H-xx-TCP-Y-zz

Ordering notes

T2 (Type II): produces a pattern that evenly shines light on both sides of the lamp. In a back-to-back configuration, it creates a rectangular pattern.

T3 (Type III): produces an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern.

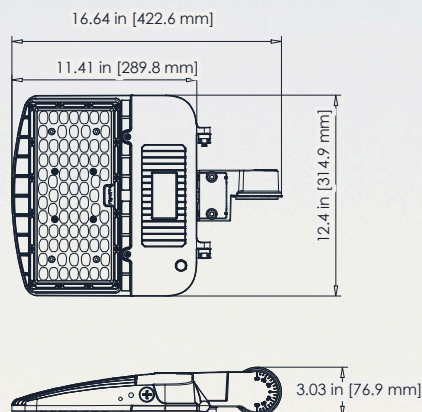
T4 (Type IV): suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

T5 (Type V): produces a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Universal for most area lighting applications.

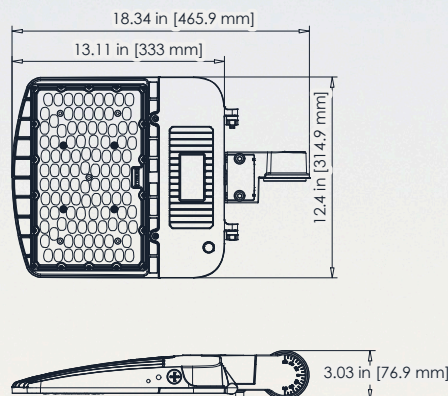
Dimensions and mounting

Plan and side view of each model, inches [millimetres].

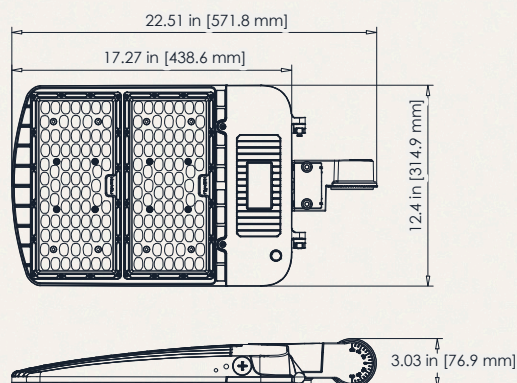
150/100/70 W



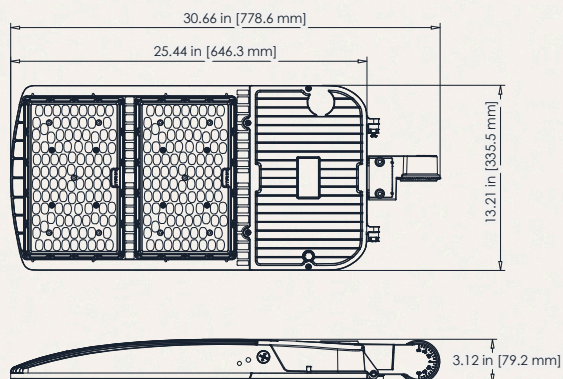
200/150/100 W



300/240/200 W



500/450/400 W



Packing

WATTAGE	OUTER PACKING SIZE	NET WEIGHT	GROSS WEIGHT	QTY / CARTON
150/100/70 W	L14.29 × W12.8 × H3.94 in [L363 × W325 × H100 mm]	6.57 lb [2.98 kg]	8.00 lb [3.63 kg]	1 pc/ctn
200/150/100 W	L15.87 × W12.8 × H3.94 in [L403 × W325 × H100 mm]	7.41 lb [3.36 kg]	10.05 lb [4.56 kg]	1 pc/ctn
300/240/200 W	L20.04 × W12.8 × H3.94 in [L509 × W325 × H100 mm]	9.5 lb [4.31 kg]	11.51 lb [5.22 kg]	1 pc/ctn
500/450/400 W	L28.19 × W13.58 × H3.94 in [L716 × W345 × H100 mm]	17.42 lb [7.90 kg]	20.28 lb [9.20 kg]	1 pc/ctn

Mounting options

Mounting brackets are sold separately. Accessories are on the specification page.



TYPE A · SLIP-FITTER



TYPE F · SLIP-FITTER + ARM MOUNTED



TYPE E · YOKE



TYPE D · TRUNNION