

TALON

Area Light

Project: _____



Performance Data

CRI 70+	Dimming 0-10v, 10% to 100%
CCT 4000K, 5000K	Operating Temp -40°C to +55°C
Lifetime L80 100,000+	IP Rating IP 65

Description

The Talon is Unite's most popular area light offering both fantastic efficiency and reliability to provide the best one for one replacement value in the market.

Multiple mounting options and distribution types make this a highly versatile solution for parking lots, sites and roadways. The Talon is always part of Unite Ltg's 2 day quick ship program for ultimate convenience.

Features

- Highly durable powder coat finish over chromatic conversion coating
- Die cast aluminum IP65 housing UL listed with integral heatsink
- 4 convenient mounting types for all installations
- Thermal and shock resistant 3G tested for roadways and crane mounting



2 DAY
QUICK SHIP
ON SELECT MODELS

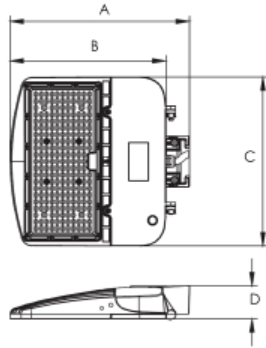
Ordering Information

Example: TL-150-5K-U-T4-BRZ-PM-7PIN-PC-DSS

Series	Wattage	Color Temp	Voltage	Optic	Color	Mounting
TL Talon	100 150 200 240 300	4K 4000K 5K 5000K	U 120-277 H 277-480	T3 Type 3 T4 Type 4 T5 Type 5	BZ Bronze BK Black WH White CU Custom	SF Slip Fit Mount PM Pole Mount TRN Trunion Mount
Accessories		Controls				
7PIN 7 Pin Socket Base Included SC Shorting Cap 10kv 10kV Surge Protector WG Wireguard DSS Dark Sky Shield		PC Photocell MICRO Programmable Microwave Sensor SBT Silvair Wireless Bluetooth AUT Autani Zigbee Wireless SYN Synapse Wireless				

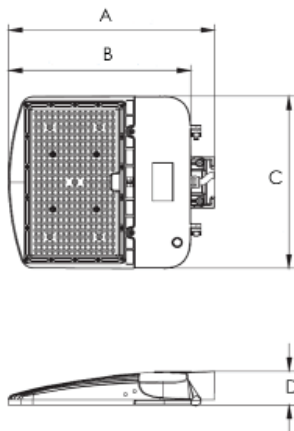
DIMENSIONS

TALON 100W & 150W



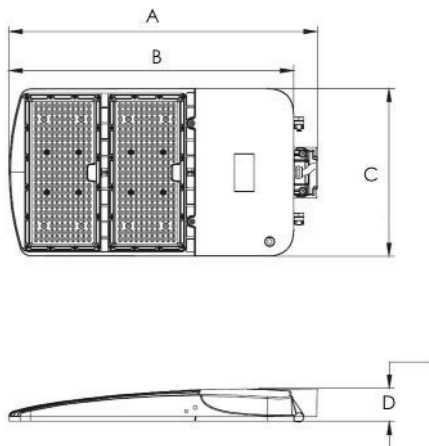
Measure Point	Dimensions
A	13.14"
B	11.41"
C	12.4"
D	2.4"

TALON 200W



Measure Point	Dimensions
A	14.84"
B	13.11"
C	12.4"
D	2.4"

TALON 240W & 300W



Measure Point	Dimensions
A	22.72"
B	21.03"
C	12.39"
D	2.4"

PERFORMANCE

LUMEN OUTPUT

Wattage	T3 Lum	T3 EFF	T4 Lum	T4 EFF	T5 Lum	T5 EFF
100W	14203	142 LPW	14637	146 LPW	14221	142 LPW
150W	20144	140 LPW	20874	139 LPW	21347	141 LPW
200W	29301	141 LPW	29105	143 LPW	29143	143 LPW
240W	34710	145LPW	34928	145 LPW	34976	145 LPW
300W	42331	141 LPW	42143	141 LPW	42784	142 LPW

LUMEN AMBIENT TEMP MULTIPLIERS

Temperature	Multiple
0c/32f	1.03
10c/50f	1.01
20c/68f	1.00
30c/86f	0.99
40c/106f	0.98

ELECTRICAL LOAD CALCULATIONS

Wattage	120V	208V	240V	277V
100W	0.83A	0.48A	0.42A	0.36A
150W	1.25A	0.72A	0.63A	0.54A
200W	1.66A	0.96A	0.83A	0.72A
240W	2.00A	1.15A	1.00A	0.86A
300W	2.50A	1.44A	1.25A	1.08A

B-U-G and EPA RATING

Wattage	B.U.G.	EPA
100W	B3-U3-G3	0.7
150W	B3-U3-G3	0.7
200W	B3-U3-G3	0.9
240W	B4-U3-G4	1.0
300W	B4-U3-G4	1.0

WEIGHT AND PACKAGING SIZE

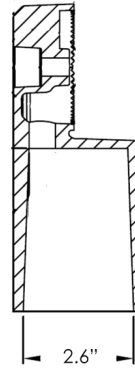
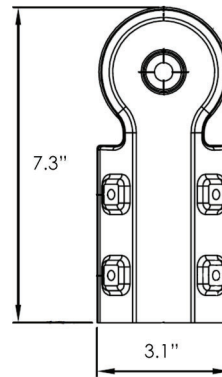
Wattage	Weight	Box Size LxWxH
100W	6.3 lbs	19"x14.4"x5.7"
150W	6.4 lbs	19"x14.4"x5.7"
200W	7.0 lbs	19.8"x14.4"x5.7"
240W	10.3 lbs	27.7"x14.4"x5.7"
300W	10.8 lbs	27.7"x14.4"x5.7"

LUMEN MAINTENANCE

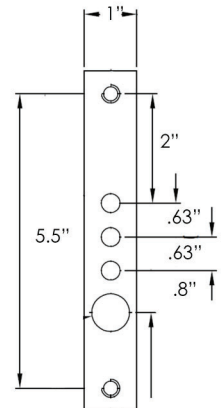
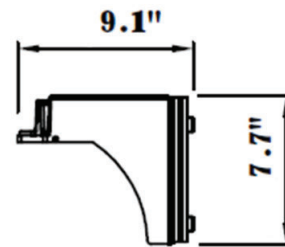
Operating Hours	0	25,000	50,000	100,000
Percent of Initial	100%	96%	93%	86%

MOUNTING

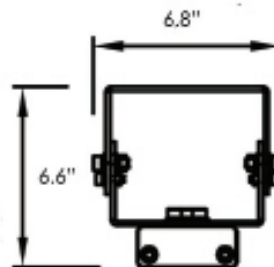
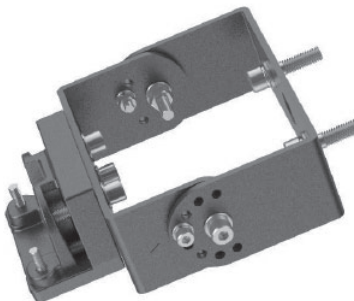
SF Slip Fit Bracket



PM Pole Mount (Round and Square)



TRN Trunion



CONTROLS

Photocell

Twist lock photocell is the most economical choice for hassle free controls. The PC will detect natural light and activate the Talon at dusk and shut it off at dawn!



Programmable Microwave Sensor

The Talon can integrate a programmable microwave sensor for total independant control. Functionality includes daylight harvesting, occupancy sensing, high low dimming at 10%, 30% or 50% standby levels with cycling hold times up to one hour.



Silvair Wireless Control

The Silvair wireless control system utilizes qualified bluetooth protocol to offer a truly open source wireless control system. Easily integrated with EnOcean switches, the Silvair commissions in seconds and provides true wirelss network control.



Autani Wireless Control

Autani is a midrange Zigbee wireless control platforam that can offer advanced features such as space utilization, asset counting, temperature data collection, and advanced energy monitoring.



Synapse Wireless Control

Synapse is the Cadillac of outdoor wireless controls. Appropriate for singe site to entire cities, Synapse boasts 1000 foot range as well as capacity for up to 10,000 lights all within one network. Functionality includes advanced features such as internet free network and full BacNet integration.

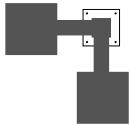


EPA RATINGS



S Single

Size	100 & 150	200	240 & 300
Weight	12.6 lbs	14.0 lbs	21.6 lbs
EPA	0.70	0.90	1.00



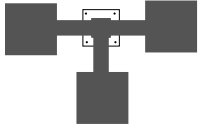
D90 Double 90

Size	100 & 150	200	240 & 300
Weight	12.6 lbs	14.0 lbs	21.6 lbs
EPA	1.10	1.20	1.50



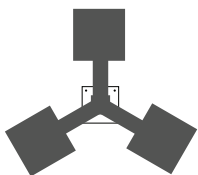
D180 Double 180

Size	100 & 150	200	240 & 300
Weight	12.6 lbs	14.0 lbs	21.6 lbs
EPA	1.60	1.90	2.00



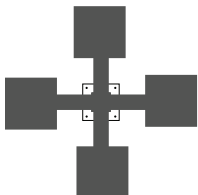
T90 Triple 90

Size	100 & 150	200	240 & 300
Weight	19.3 lbs	21.0 lbs	32.4 lbs
EPA	1.80	2.10	2.20



T120 Triple 120

Size	100 & 150	200	240 & 300
Weight	19.3 lbs	21.0 lbs	32.4 lbs
EPA	1.80	2.10	2.20

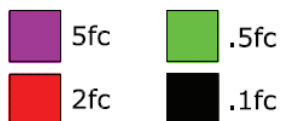


Q90 Quad

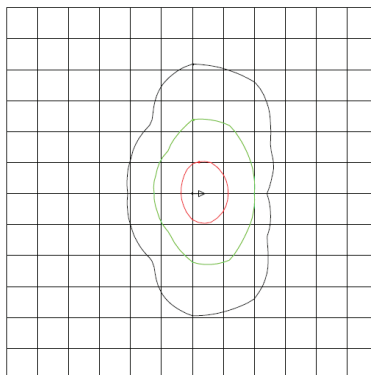
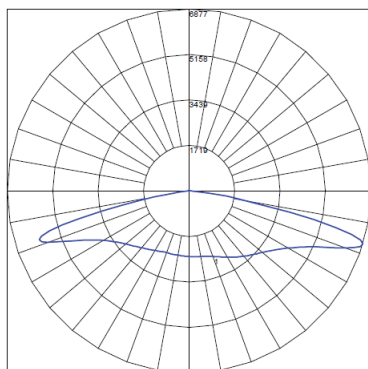
Size	100 & 150	200	240 & 300
Weight	25.2 lbs	28.0 lbs	43.2 lbs
EPA	1.90	2.20	2.40

PHOTOMETRY 100W

100W Type 3

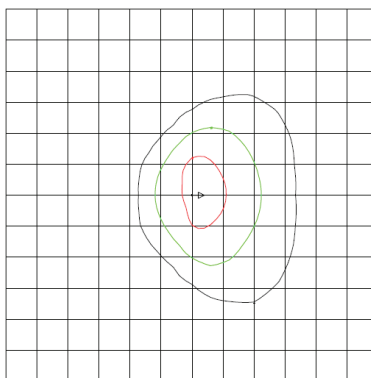
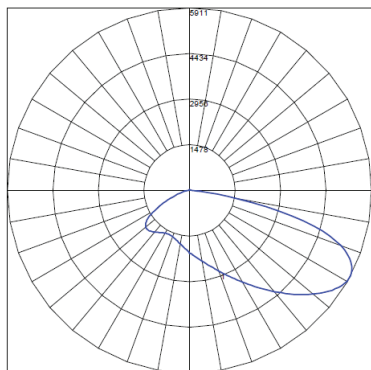


Distance In Increments of 40ft
Mounting Height - 25ft



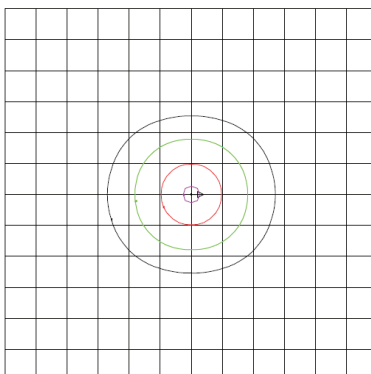
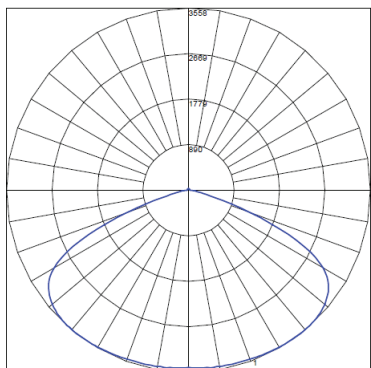
Talon 100W T3		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	2947	21%
0-40	4845	34%
0-60	9874	70%
0-80	13773	97%
0-90	14044	99%
60-80	6685	47%
70-80	3899	27%
80-90	1737	12%
0-180	14203	100%

100W Type 4



Talon 100W T4		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	2140	15%
0-40	3855	26%
0-60	9005	62%
0-80	14150	97%
0-90	14458	99%
60-80	8020	55%
70-80	5145	35%
80-90	2357	16%
0-180	14637	100%

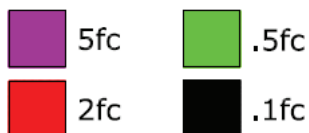
100W Type 5



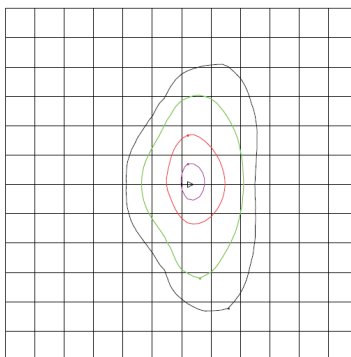
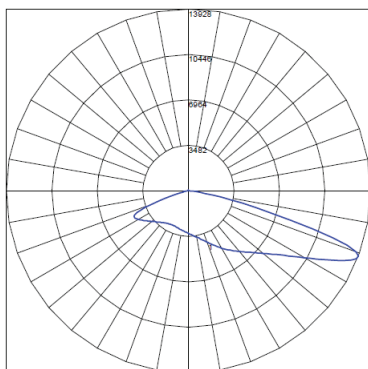
Talon 100W T5		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	1752	12%
0-40	3387	24%
0-60	8512	60%
0-80	13812	97%
0-90	14072	99%
60-80	8192	58%
70-80	5300	37%
80-90	2358	17%
0-180	14221	100%

PHOTOMETRY 150W

150W Type 3

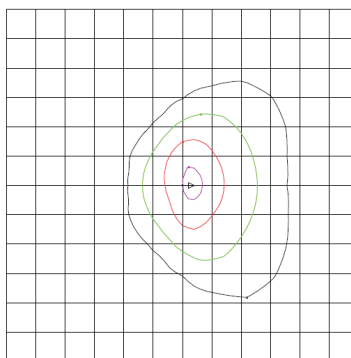
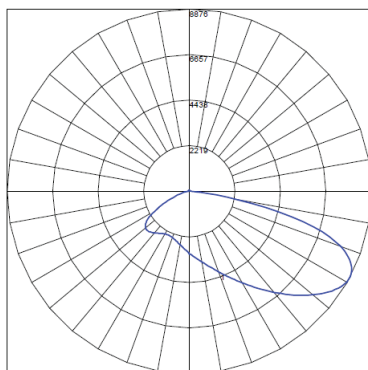


Distance In Increments of 40ft
Mounting Height - 25ft



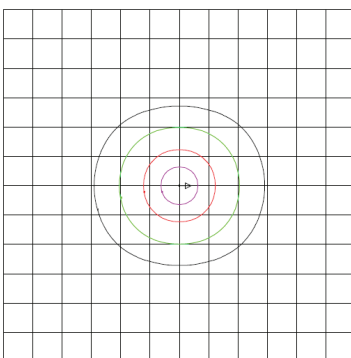
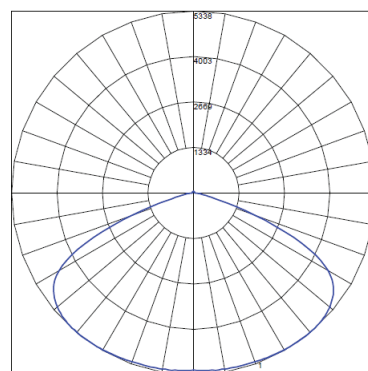
Talon 150W T3		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	2891	14%
0-40	5471	26%
0-60	13533	64%
0-80	20399	97%
0-90	20779	99%
60-80	11296	54%
70-80	6866	33%
80-90	2924	14%
0-180	21044	100%

150W Type 4



Talon 150W T4		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	3031	15%
0-40	5604	27%
0-60	13664	65%
0-80	20413	98%
0-90	20617	99%
60-80	11264	54%
70-80	6749	32%
80-90	2389	11%
0-180	20873	100%

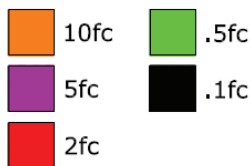
150W Type 5



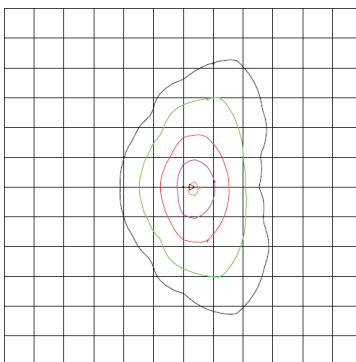
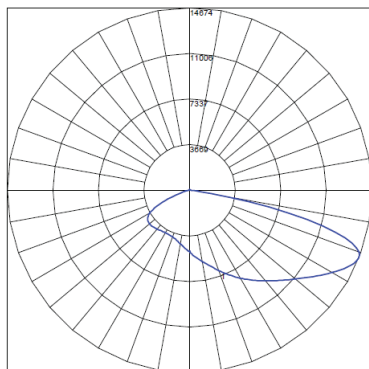
Talon 150W T5		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	3095	14%
0-40	5668	27%
0-60	13870	65%
0-80	20725	97%
0-90	21105	99%
60-80	11460	54%
70-80	6855	32%
80-90	2678	13%
0-180	21347	100%

PHOTOMETRY 200W

200W Type 3

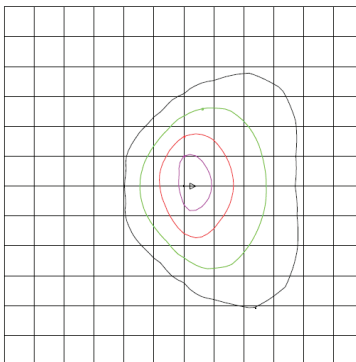
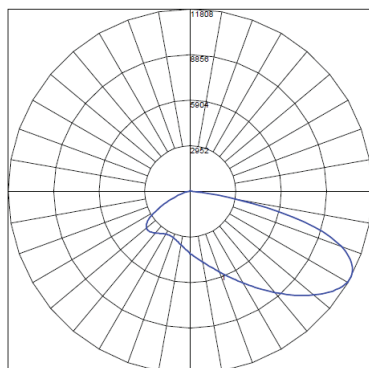


Distance in Increments of 40ft
Mounting Height - 25ft



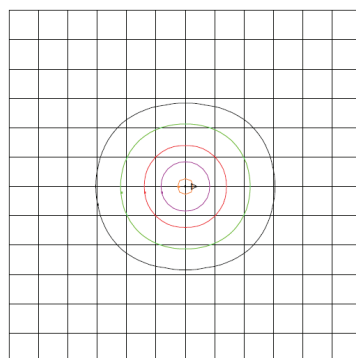
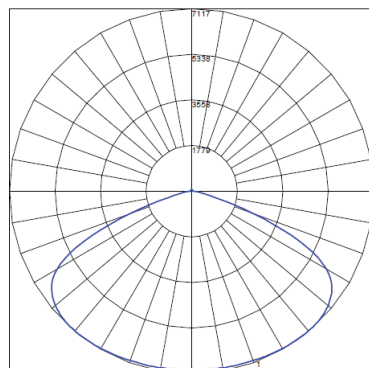
Talon 200W T3		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	4601	16%
0-40	7831	28%
0-60	17704	63%
0-80	27502	97%
0-90	28003	99%
60-80	15335	54%
70-80	9798	35%
80-90	4377	15%
0-180	28301	100%

200W Type 4



Talon 200W T4		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	4270	15%
0-40	7700	26%
0-60	17986	62%
0-80	28172	97%
0-90	28788	99%
60-80	15936	55%
70-80	10186	35%
80-90	4660	16%
0-180	29105	100%

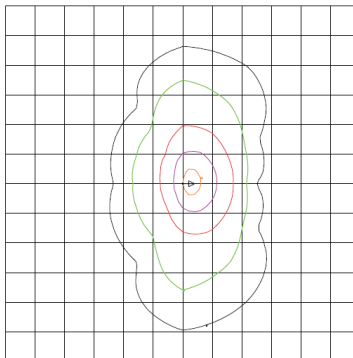
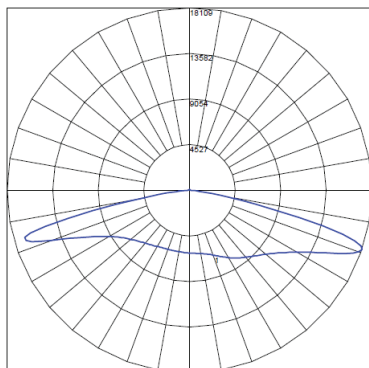
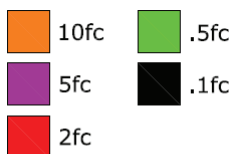
200W Type 5



Talon 200W T5		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	3990	14%
0-40	7320	25%
0-60	17813	61%
0-80	28210	97%
0-90	28826	99%
60-80	16254	56%
70-80	10397	36%
80-90	4760	16%
0-180	29143	100%

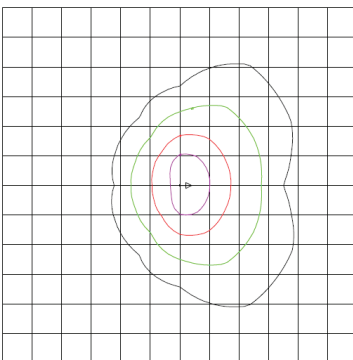
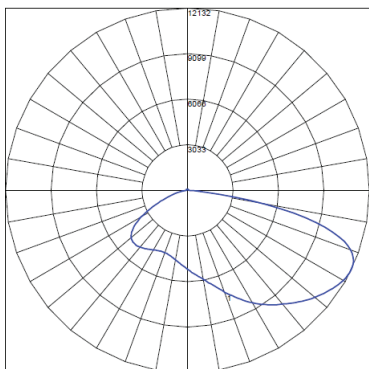
PHOTOMETRY 240W

240W Type 3



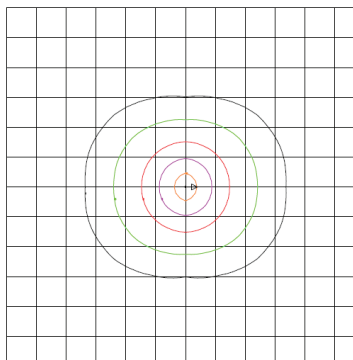
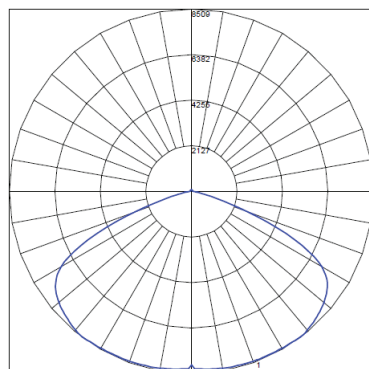
Talon 240W T3		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	5380	15%
0-40	9651	28%
0-60	22173	64%
0-80	33798	97%
0-90	34300	99%
60-80	18549	53%
70-80	11625	33%
80-90	5000	14%
0-180	34710	100%

240W Type 4



Talon 240W T4		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	6159	18%
0-40	11026	32%
0-60	23716	68%
0-80	34008	97%
0-90	34517	99%
60-80	16893	48%
70-80	10292	29%
80-90	4964	14%
0-180	34928	100%

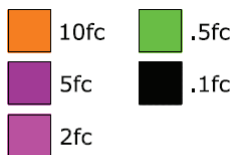
240W Type 5



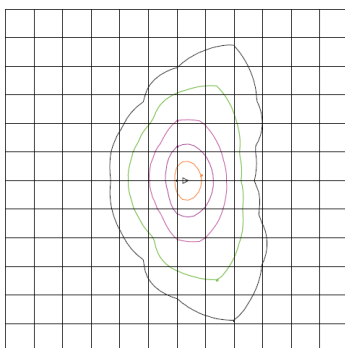
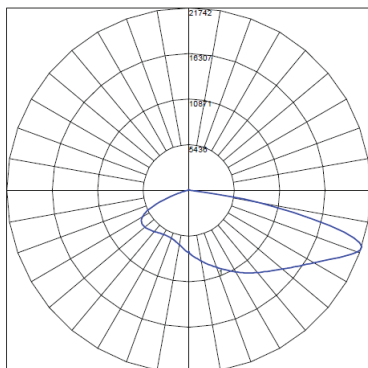
Talon 240W T5		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	6791	19%
0-40	11865	34%
0-60	24527	70%
0-80	34056	97%
0-90	34565	99%
60-80	16102	46%
70-80	9529	27%
80-90	4964	14%
0-180	34976	100%

PHOTOMETRY 300W

300W Type 3

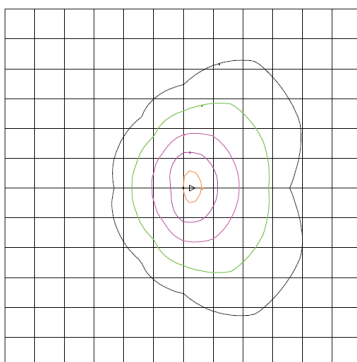
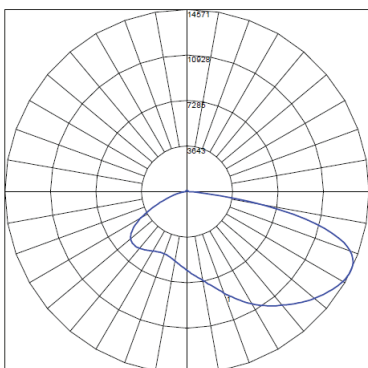


Distance In Increments of 40ft
Mounting Height - 25ft



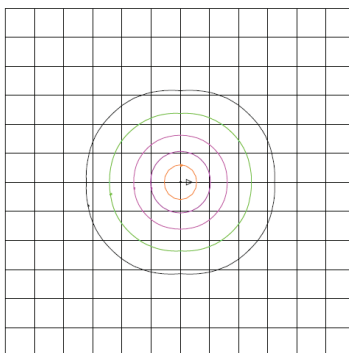
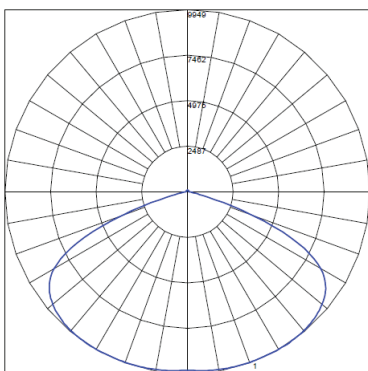
Talon 300W T3		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	6679	16%
0-40	12264	29%
0-60	28351	67%
0-80	41325	98%
0-90	41814	99%
60-80	21688	51%
70-80	12974	31%
80-90	5001	12%
0-180	42331	100%

300W Type 4



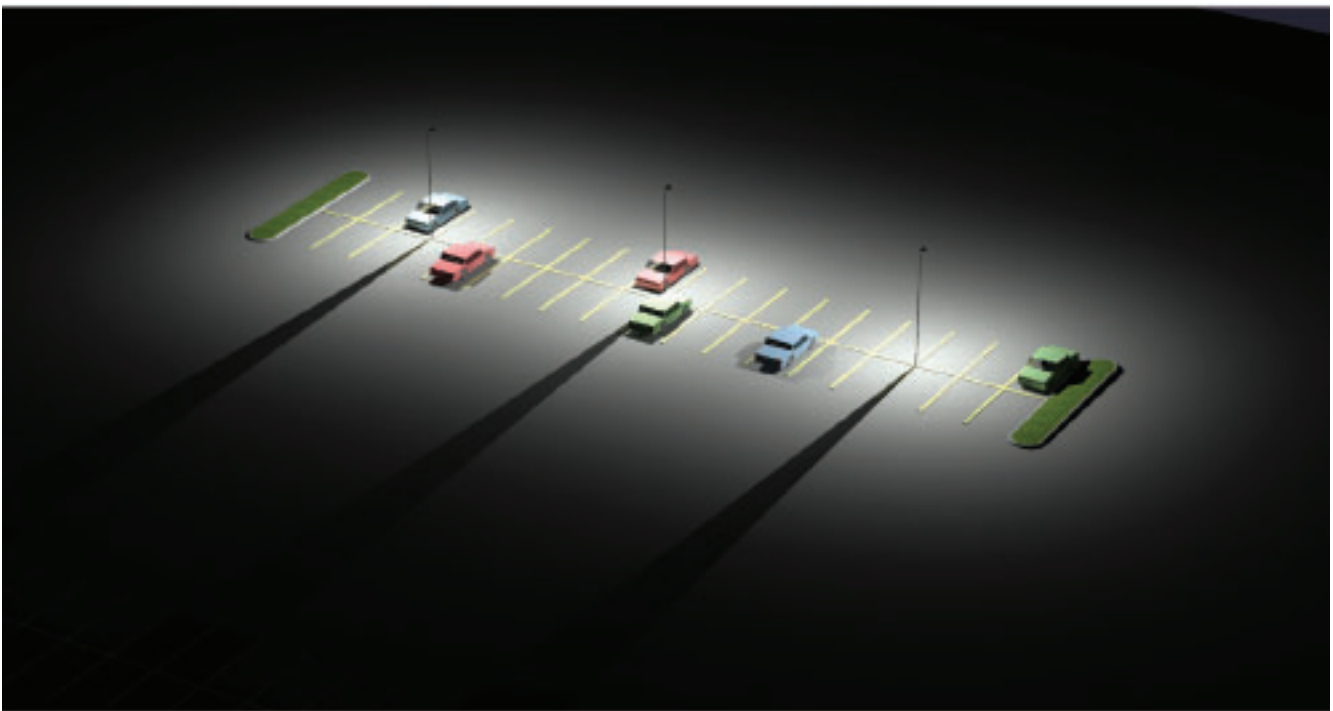
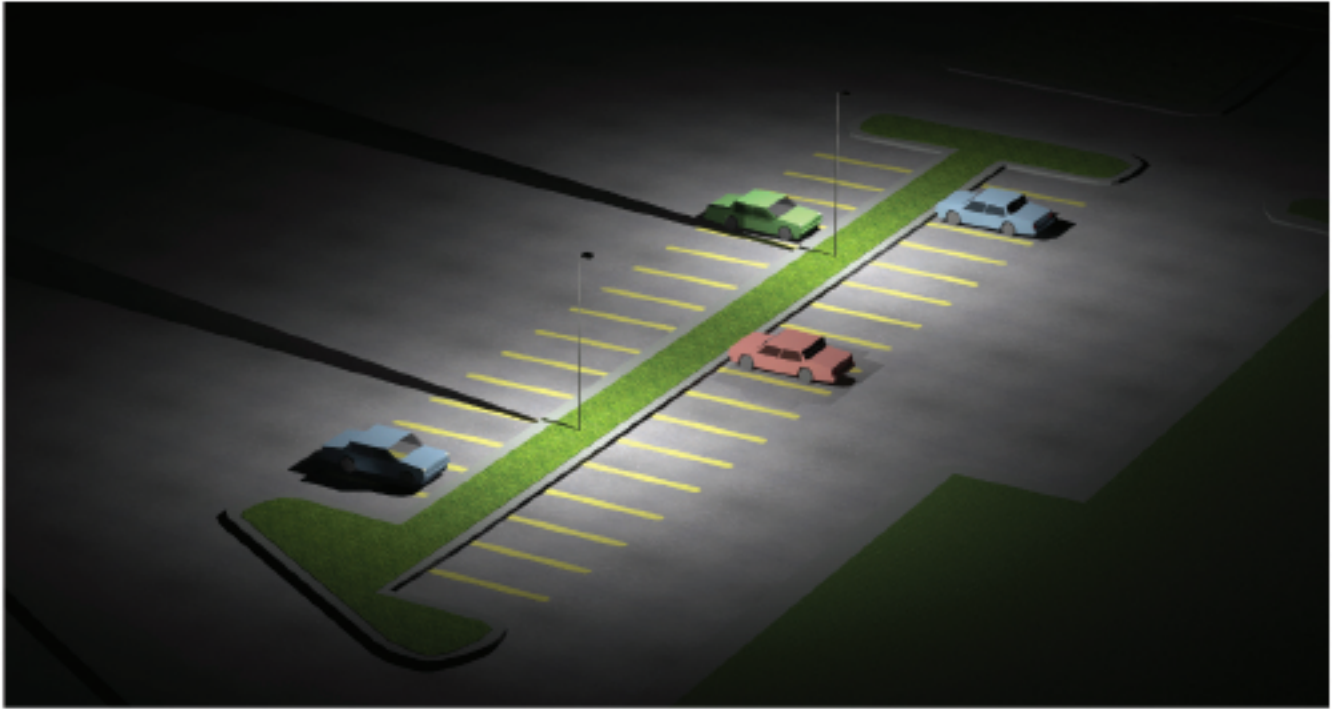
Talon 300W T4		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	6493	15%
0-40	11930	28%
0-60	28053	67%
0-80	41147	98%
0-90	41626	99%
60-80	21799	52%
70-80	13094	31%
80-90	5061	12%
0-180	42143	100%

300W Type 5



Talon 300W T5		
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-30	5778	14%
0-40	11512	27%
0-60	28054	66%
0-80	41678	97%
0-90	42267	99%
60-80	22568	53%
70-80	13624	32%
80-90	5501	13%
0-180	42784	100%

RENDERS



RENDERS

