

Carson Technology®

LED Lighting

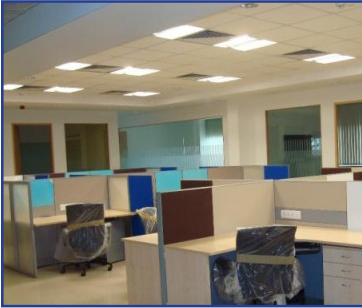


2017
Product
Catalog

Table of Contents

LED Applications	3	LED Industrial Strip	
Company Background	4	4' 18W (1-Lamp)	45
Case Study		4' 36W (2-Lamp)	46
Cathedral of Our Lady of the Angels	5	4' 64W (2-Lamp)	47
Costco	6	8' 72W (2-Lamp)	48
Chevron	7	LED Circular High Bay	
7 Eleven	8	150W Acrylic or Industrial	49
Santa Fe Springs Swap Meet	9	200W Acrylic or Industrial	50
LED Corn Light		250W Acrylic or Industrial	51
15W	10	400W Acrylic or Industrial	52
40W	11	LED T8 Linear High Bay	
80W	12	4' 72W High Bay (4-Lamp)	53
150W	13	4' 128W High Bay (4-Lamp)	54
LED 2G11 Tube		4' 108W High Bay (6-Lamp)	55
2' 22W Tube	14	4' 192W High Bay (6-Lamp)	56
LED T5 Tube		LED Vapor Tight	
4' 30W Tube	15	2' 20W (2-lamp)	57
LED T8 Tube		4' 36W (2-Lamp)	58
2' 10W Tube	16	4' 64W (2-Lamp)	59
2' 17W Tube (U-Bend)	17	4' 72W (4-lamp)	60
3' 12W Tube	18	4' 108W (6-lamp)	61
4' 18W Tube (Dual Mode)	19	8' 72W (4-Lamp)	62
4' 17W Tube (Ballast Compatible)	20	8' 128W (4-Lamp)	63
4' 18W Tube (Bypass Ballast)	21	LED Wall Pack	
4' 32W Tube	22	15W	64
6' 26W Tube	23	50W	65
8' 36W Tube	24	90W	66
LED T12 Tube		LED Canopy	
3' 18W Tube	25	32W	67
4' 24W Tube	26	130W	68
5' 30W Tube	27	LED Flood Light	
6' 36W Tube (Single Pin)	28	50W	69
6' 36W Tube (HO End)	29	120W	70
7' 42W Tube	30	200W	71
8' 48W Tube (Single Pin)	31	250W	72
8' 48W Tube (HO End)	32	LED Shoe Box	
10' 60W Tube	33	150W	73
LED Downlight		200W	74
4" 9W	34	250W	75
6" 13W	35	LED Street Light	
LED Panel		100W	76
2' x 2' 36W Panel	36	150W	77
1' x 4' 42W Panel	37	180W	78
2' x 4' 72W Panel	38	400W	79
LED Indirect		Other Products	
2' x 2' 36W Panel	39	12V LED Truck Light	80
2' x 4' 62W Panel	40	Emergency Battery	81
LED Wrap Around		Accessories	82
4' 36W Classic (2-lamp)	41	Terms & Conditions	83
4' 64W Classic (2-lamp)	42		
4' 36W Curved (2-lamp)	43		
4' 64W Curved (2-lamp)	44		

LED Lighting Applications



Commerical - Tubes (page 14-23)
Office - Panels (page 36-38)
School - Indirect Troffers (page 39-40)
Corridor - Wrap Arounds (page 41-44)



Outdoor Sign - T12 Tubes (page 25-33)



Plant - 8' Tubes (page 24)
Warehouse - Industrial Strips (page 45-48)
Factory - High Bays (page 49-56)
Refrigeration - Vapor Tights (page 57-63)



Under Canopy - Vapor Tights (page 57-63)
Gas Station - Canopies (page 67-68)



Facade - Wall Packs (page 64-66)
Outdoor - Flood Lights (page 69-72)
Parking Lot - Shoe Boxes (page 73-75)
Municipality - Street Lights (page 76-79)

Company Background

Established in 2009, Carson Technology Company is a LED lighting manufacturer with a factory direct plant in DongGuan, China and distribution warehouse in Los Angeles, California. By adopting a product differentiation strategy, we offer value engineered LED lighting solutions whose investments can payback within the first year.



Factory Direct Plant



Distribution Warehouse

Our Mission:

The world is changing around us. We are ready for tomorrow, today. This mentality creates a long-term destination for our business and provides a winning formula for our clients.

Our Values:

Quality - manufacturing LED products below the industry defect rate

Integrity - accurately portraying cost saving proposals

Accountability - providing world class customer service

Our Strategy:

Customize products catering to client demand

Create products that satisfy and comply with client values

Address new industry trends by inventing forward-looking products

Our Clients:

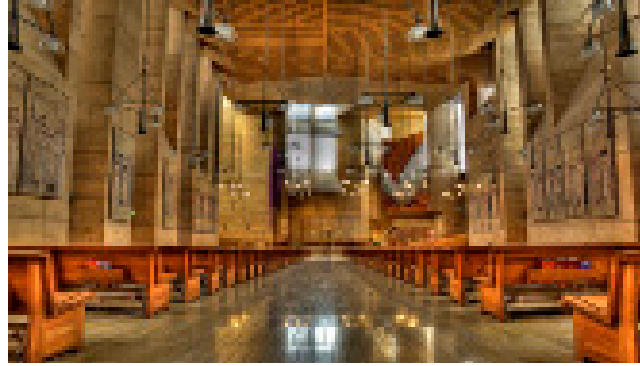
Raytheon



STATER BROS.



Case Study - Cathedral of Our Lady of the Angels



Opened in 2002, the Cathedral of Our Lady of Angels serves as the mother church to four million Catholics in the Archdiocese of Los Angeles. The cathedral is widely known for enshrining the relics of Saint Vibiana and tilma piece of Our Lady of Guadalupe. With the parking garage tubes operating at 24 daily hours, their previous fluorescent T8 tubes burned out quickly, which resulted in monthly ballast and tube maintenance.

To address this concern, Carson Technology recommended installing frosted LED T8 tubes at 3500K for the first and second levels and frosted LED T8 tubes at 4000K for the third level. Used in open fixtures, frosted LED tubes are ideal replacements for fluorescent tubes. The warm-white tubes will be aided by sunlight on the first and second level, while the brighter cool-white tubes will light up the third level.

32W Fluorescent



Annual Electricity
Cost = \$70.08

Estimated Project Savings

175% ROI

Annual Savings of \$26.28

7 month payback

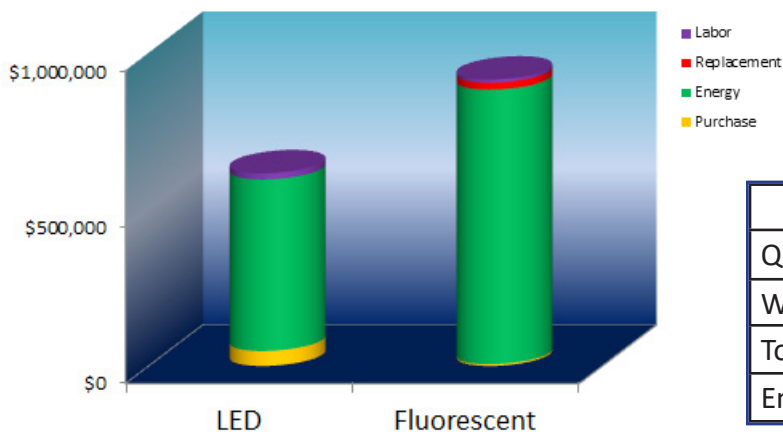
Calculations are based on 8,760 annual hours
of operation and \$0.25 average cost per kWh

20W LED



Annual Electricity
Cost = \$43.80

Lifetime Costs



Before



After

	Fluorescent	LED
Quantity	2,500	2,500
Watts	32	20
Total Watts	80,000	50,000
Energy Savings	-	37.5%

Case Study - Costco



Since 1976, Costco has steadily grown to become the second largest retailer in the world. With a total of 674 warehouses in nine countries around the world, Costco is looking to decrease its electricity bill. Operating at 12 daily hours, the previous fluorescent tubes and ballasts burned out on an annual basis, which required maintenance labor.

After surveying Costco's warehouse, Carson Technology identified the meat and deli section as the coolest area in the store. Therefore, Carson recommended installing 8 feet LED vapor tights at 5000K for Costco's meat and deli sections. The frosted, natural-white tubes at 10 feet high will keep workers more attentive without creating a prism and disco light effect.

128W Fluorescent



Annual Electricity
Cost = \$99.90

Estimated Project Savings

65% ROI

Annual Savings of \$44.70

18 month payback

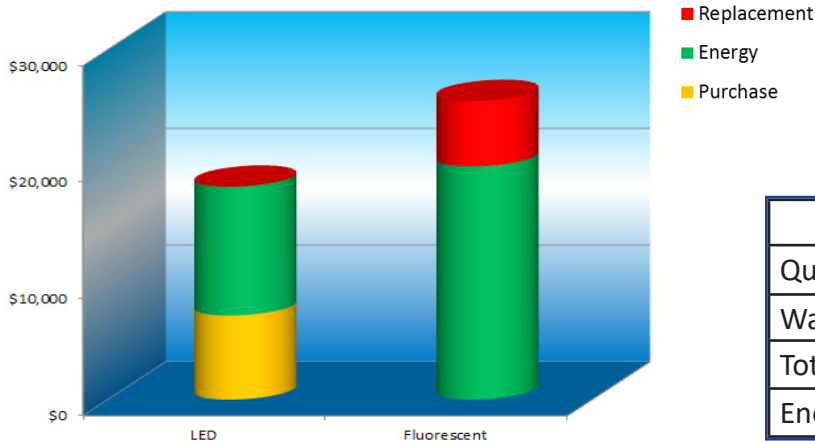
Calculations are based on 5,475 annual hours of operation and \$0.14 average cost per kWh

72W LED



Annual Electricity
Cost = \$55.20

Lifetime Costs



	Fluorescent	LED
Quantity	40	40
Watts	128	72
Total Watts	5,120	2,880
Energy Savings	-	43.8%

Case Study - Chevron



Headquartered in Sam Ramon, Chevron is ranked third in the Fortune 500 list of the top corporations and sixteenth on the Fortune Global 500 list of corporations worldwide.

Starting with the inside of the convenient store, Carson Technology installed clear 4' LED T8 tubes at 5000K into existing 2' x 4' troffers and clear 6' LED T8 tubes at 5000K into coolers. The clear, natural-white tubes attract customers and allow employees to keep a keener eye on customers. For the exterior building facade, Chevron was able to reduce 67% energy by switching from metal halide to LED wall packs. The next phase of the project will be switching to LED under canopies. Altogether, gas station owners have been able to save \$1,000 per month by switching to LED lights.

150W Metal Halide



Annual Electricity
Cost = \$78.80

Estimated Project Savings

75% ROI

Annual Savings of \$52.60

16 month payback

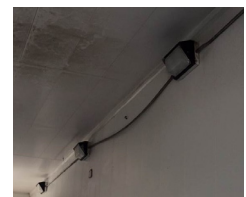
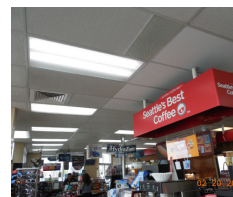
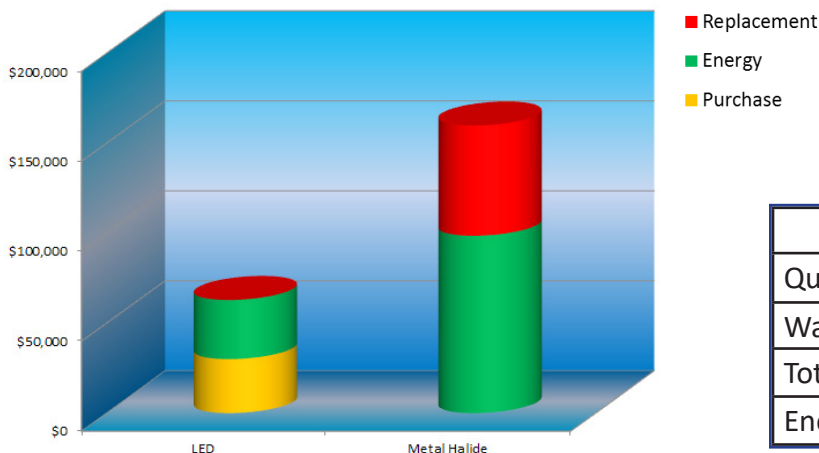
Calculations are based on 4,380 annual hours of operation and \$0.14 average cost per kWh

50W LED



Annual Electricity
Cost = \$26.30

Lifetime Costs



	Metal Halide	LED
Quantity	250	250
Watts	150	50
Total Watts	37,500	12,500
Energy Savings	-	66.7%

Case Study - 7 Eleven



In 1927, an enterprising Southland Ice Company employee began offering milk, bread, and eggs. These items were sold on Sundays and evenings when grocery stores were closed. Thus, convenience retailing was born. 7-Eleven focuses on meeting the needs of convenience-oriented guests by providing a broad selection of fresh, high-quality products and services at everyday prices.

Through 87 years of business, 7-Eleven is the world's largest convenience store chain with more than 55,800 stores in 16 countries. Offering shoppers 24-hour convenience at seven days a week requires high energy consumption. By installing 2' x 2' LED panels instead of fluorescent troffers, franchise owners are able to payback their investment within 4 months.

64W Fluorescent



Annual Electricity
Cost = \$84.10

Estimated Project Savings

370% ROI

Annual Savings of \$36.80

4 month payback

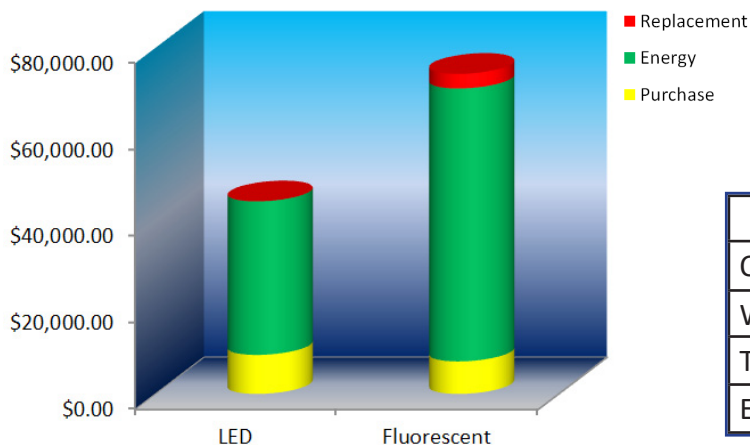
Calculations are based on 8,760 annual hours of operation and \$0.27 average cost per kWh

36W LED



Annual Electricity
Cost = \$47.30

Lifetime Costs



	Fluorescent	LED
Quantity	150	150
Watts	64	36
Total Watts	9,600	5,400
Energy Savings	-	44%

Case Study - Santa Fe Springs Swap Meet



63 years ago in 1948, 18 acres of land were purchased and construction began on what was to be known as the La Mirada Drive-In Theatre. It took 15 years later before the first swap meet saw the light of day. Attendance of more than 700 daily vendors and more than 1,500,000 customers annually has become common throughout the years.

Santa Fe Springs Swap Meet was the first Los Angeles area outdoor/night-time swap meet “under the lights.” The 18 acres were lit up by high-pressure sodium shoe boxes, which resulted in high power loads and energy consumption. By switching from HPS to LED shoe boxes, the swap meet was able to decrease the power load as well as save 50% in energy savings.



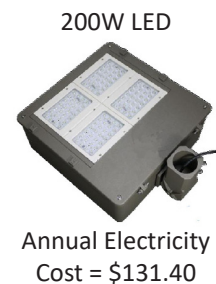
Estimated Project Savings

100% ROI

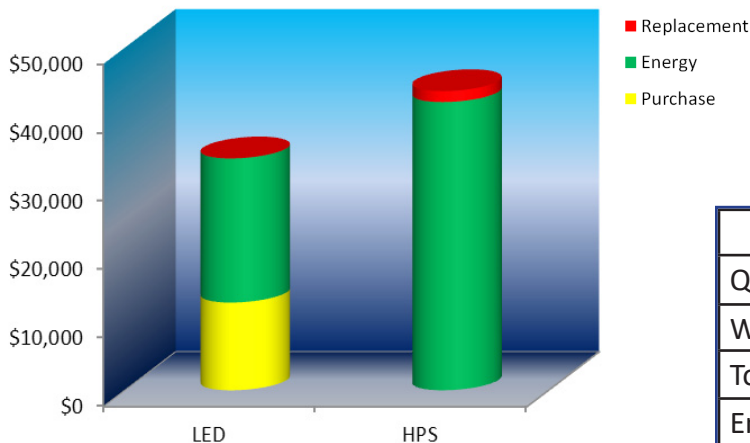
Annual Savings of \$131.40

12 month payback

Calculations are based on 4,380 annual hours
of operation and \$0.14 average cost per kWh



Lifetime Costs



	HPS	LED
Quantity	32	32
Watts	400	200
Total Watts	12,800	6,400
Energy Savings	-	50%

15W Corn Light

Description

Carson's 15W LED corn light emits 1,800 lumens with 360° illumination performance equal to 75W incandescent or 30W CFL bulbs. An E26 medium screw base retrofits into sockets compatible with a magnetic ballast and can be direct wired after the ballast dies. Suitable for indoor or outdoor applications such as recessed can, low bay, or street light retrofits.

Product #	Watts	Lumens	lm/W
CT-D02015CBN	15	1,809	123.1

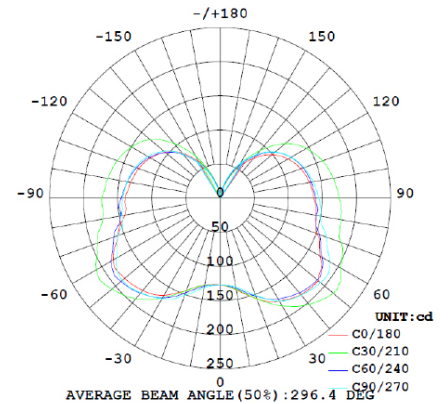
ft	3	6	9	12	15
fc	2.3	0.6	0.3	0.14	0.09

Key Features

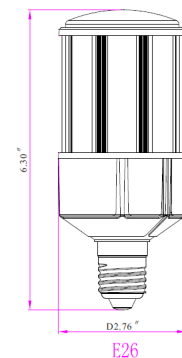
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E465717
- IP rating: IP54
- 123 lumens per watt
- LED quantity: 120 chips
- Input voltage: AC 110V-277V
- 360° beam angle
- E26 medium screw base
- Dimensions (H x D) - 6.5" x 3"
- White powder coat base with green trim
- Compatible with magnetic ballasts
- Built-in internal driver - bypass external ballast



Luminous Intensity



Dimensions



Ordering Information: CT-D02015CBN

D

02

015

C

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-Dimmable

015 - 15W

C - Corn

B - Clear

N - 5000K

39W Corn Light

Description

Carson's 39W LED corn light emits 2,900 lumens with 360° illumination performance equal to 120W incandescent or 80W CFL bulbs. An E39 mogul screw base retrofits into sockets which bypass the ballast and run directly off line voltage. Suitable for indoor or outdoor applications such as low bay or street light retrofits.

Product #	Watts	Lumens	lm/W
CT-D02040CBN	39	2,903	73.7

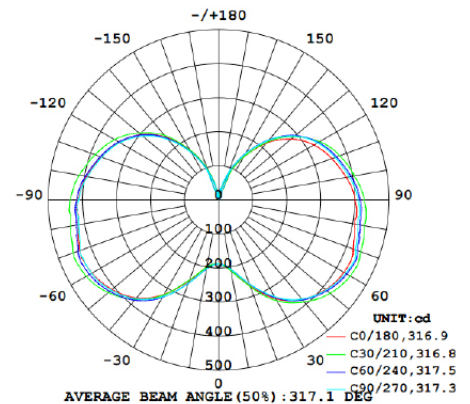
ft	3	6	9	12	15
fc	12	4.4	2	1.1	0.7

Key Features

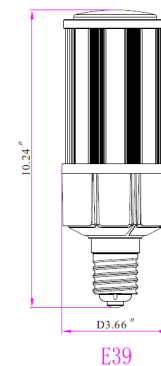
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E465717
- IP rating: IP54
- 74 lumens per watt
- Color Rendering Index: 84
- LED quantity: 288 chips
- Input voltage: AC 110V-277V
- 360° beam angle
- E39 mogul screw base
- Dimensions (H x D) - 10" x 4"
- White powder coat base with green trim
- Built-in internal driver - bypass external ballast



Luminous Intensity



Dimensions



Ordering Information: CT-D02040CBN

D	02	040	C	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	02 - Non-dimmable	040 - 39W	C - Corn	B - Clear	N - 5000K

77W Corn Light

Description

Carson's 77W LED corn light emits 5,700 lumens with 360° illumination performance is equal to 150W high pressure sodium bulbs. An E39 mogul screw base retrofits into sockets which bypass the ballast and run directly off line voltage. Suitable for indoor or outdoor applications such as high bay or street light retrofits.

Product #	Watts	Lumens	lm/W
CT-D02080CBN	77	5,683	73.6

ft	3	6	9	12	15
fc	26	9.6	4.3	2.4	1.5

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E465717
- IP rating: IP54
- 73 lumens per watt
- Color Rendering Index: 82
- LED quantity: 560 chips
- Input voltage: AC 110V-277V
- 360° beam angle
- E39 mogul screw base
- Dimensions (H x D) - 11" x 5"
- White powder coat base with green trim
- Built-in internal driver - bypass external ballast



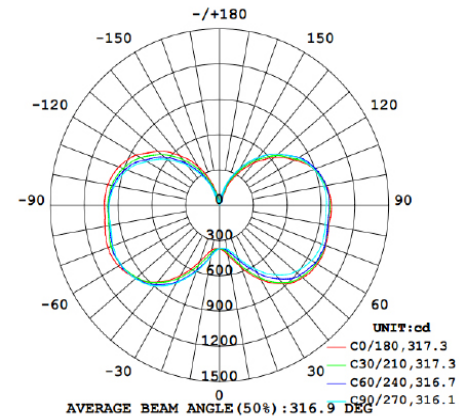
80% ROI

Annual Savings of \$73.60

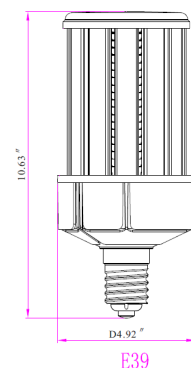
15 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity



Dimensions



Ordering Information: CT-D02080CBN

D

02

080

C

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-dimmable

080 - 77W

C - Corn

B - Clear

N - 5000K

147W Corn Light

Description

Carson's 147W LED corn light emits 11,500 lumens with 360° illumination performance is equal to 400W high pressure sodium bulbs. An E39 mogul screw base retrofits into sockets which bypass the ballast and run directly off line voltage. Suitable for indoor or outdoor applications such as high bay or street light retrofits.

190% ROI

Annual Savings of \$262.80

7 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02150CBN	147	11,509	78.2

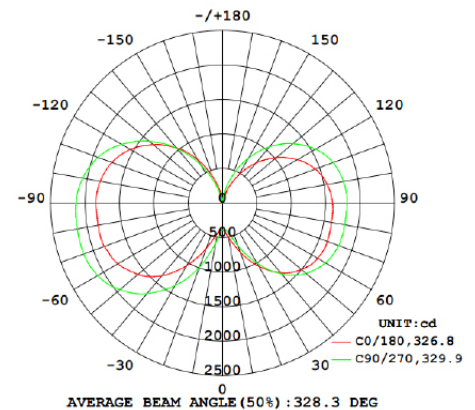
ft	3	6	9	12	15
fc	35	8.6	3.8	2.2	1.4

Key Features

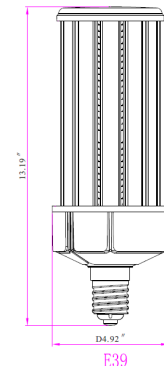
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E465717
- IP rating: IP64
- DLC Qualified Product List
- 78 lumens per watt
- Color Rendering Index: 85
- LED quantity: 1064 chips
- Input voltage: AC 110V-277V
- 360° beam angle
- E39 mogul screw base
- Dimensions (H x D) - 13" x 5"
- Built-in internal driver - bypass external ballast



Luminous Intensity



Dimensions



Ordering Information: CT-D02150CBN

D	02	150	C	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	02 - Non-dimmable	150 - 147W	C - Corn	B - Clear	N - 5000K

2G11 Tube

Description

Carson's 2' linear 21W LED 2G11 tube emits close to 2,000 lumens and saves 45% in energy costs when compared to fluorescent tubes. Available in warm and cool white color temperatures, the 2G11 pin snaps into socket that run directly off line voltage. Ideal for applications such as offices, libraries, classrooms, and conference rooms.

125% ROI

Annual Savings of \$18.90

10 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02022TBC	21	1,966	95.4

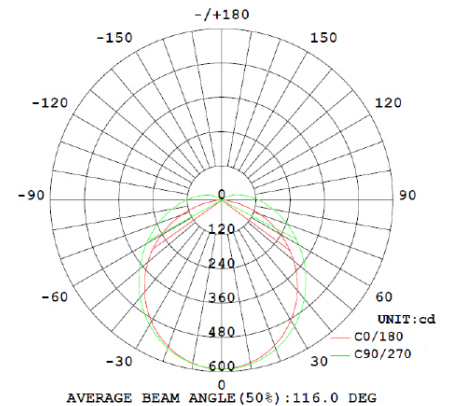
ft	3	6	9	12	15
fc	15	4	2	0.9	0.6

Key Features

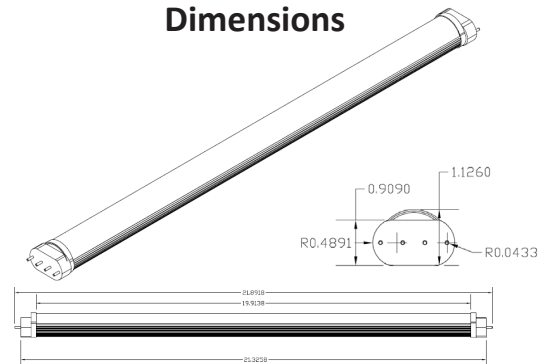
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- 95 lumens per watt
- Power factor > .97
- LED quantity: 114 chips
- Input voltage: AC 110V-277V
- 180° beam angle
- Lightweight aluminum heat sink
- 2G11 base mounts into 4 pin socket
- Clear (ideal for troffers) or frosted lens (ideal for open fixtures)
- Built-in internal driver - bypass external ballast
- Maintains 50°C exterior surface temperature



Luminous Intensity



Dimensions



Ordering Information: CT-D02022TBC

D

02

022

T

B

C

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-dimmable

022 - 21W/2 ft

T - 2G11 Tube

B - Clear
F - Frosted

W - 3500K
C - 4100K

4' T5 Tube

Description

Carson's 4' linear 30W LED T5 tube emits over 2,900 lumens and saves 40% in energy costs when compared to F54 fluorescent tubes. Only available in three color temperatures, the T8 body and stationary G5 end caps lock into shunted tombstones that run directly off line voltage. Ideal for factories, warehouses, or other applications with high ceilings.

Product #	Watts	Lumens	lm/W
CT-D02030TBN	31	3,832.5	123.65

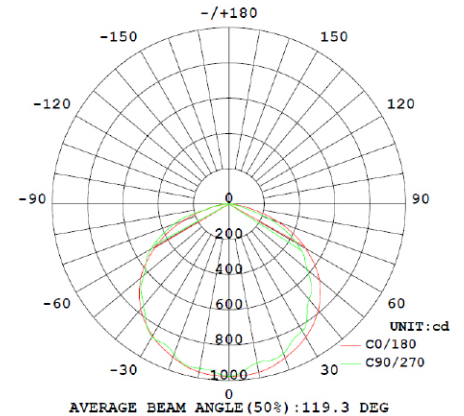
ft	3	6	9	12	15
fc	23	5.6	2.5	1.4	0.9

Key Features

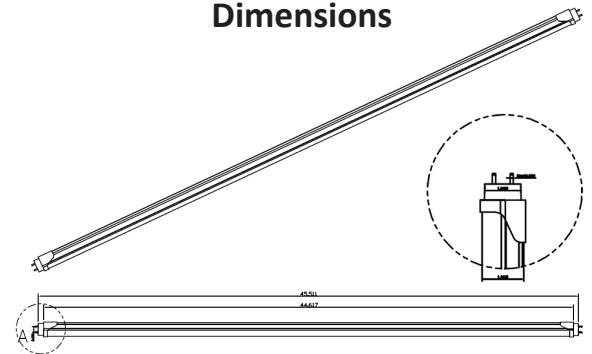
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350411
- 99 lumens per watt
- Power factor > .97
- LED quantity: 192 chips
- 180° beam angle
- Input voltage: AC 110V-277V
- Lightweight aluminum heat sink
- Frosted or clear polycarbonate lens
- Double-sided G5 power ends insert into shunted tombstones
- Built-in internal driver - bypass external ballast
- Maintains 50°C exterior surface temperature



Luminous Intensity



Dimensions



Ordering Information: CT-D02030TBN

D

02

030

T

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-dimmable

030 - 30W/4 ft

T - T5 Tube

B - Clear

W - 3500K

C - 4100K

N - 5000K

2' T8 Tube

Description

Carson's 2' linear 10W LED T8 tube emits close to 1,000 lumens and saves 40% in energy costs when compared to F17 fluorescent tubes. Available in warm, cool, and natural white color temperatures, the stationary G13 end caps lock into unshunted tombstones that run directly off line voltage. Ideal for offices, warehouses, and parking garages.

Product #	Watts	Lumens	lm/W
CT-D02010TBN	10	966	96.6

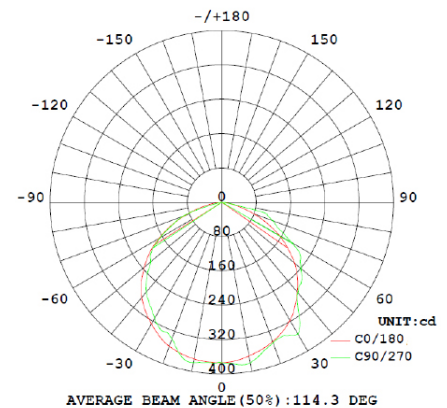
ft	3	6	9	12	15
fc	10	2.5	1.1	0.6	0.4

Key Features

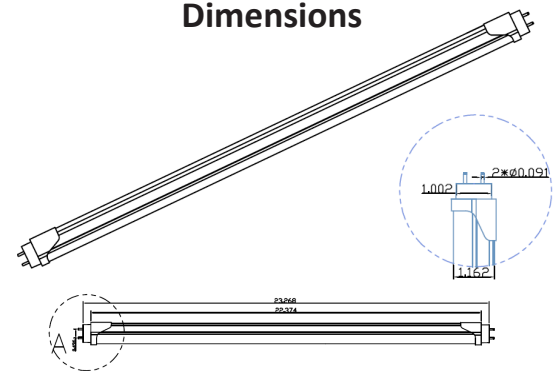
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468422
- 97 lumens per watt
- Power factor > .97
- LED quantity: 72 chips
- 180° beam angle
- Input voltage: AC 110V-277V
- Lightweight aluminum heat sink
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Clear (ideal for troffers) or frosted lens (ideal for open fixtures)
- Maintains 40°C exterior surface temperature



Luminous Intensity



Dimensions



Ordering Information: CT-D02010TBN

D

02

010

T

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-dimmable

010 - 10W/2 ft

T - T8 Tube

B - Clear
F - Frosted

W - 3500K
C - 4100K
N - 5000K

2' T8 U-Bend

Description

Carson's 17W 2' LED U-bend tube emits 2,200 lumens and saves 45% in energy costs when compared to F32 fluorescent tubes. Each tube is compatible with an instant start electronic ballast. Available in cool and natural white color temperatures, the stationary G13 end caps lock into existing tombstones. Ideal for 2' x 2' troffers in offices or medical centers.

130% ROI

Annual Savings of \$15.80

9 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-DRT8U217N	17	2,200	129.4

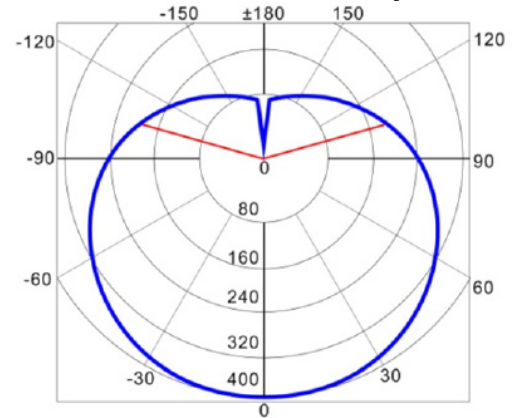
ft	2	4	6	8	10
fc	169	42	19	11	7

Key Features

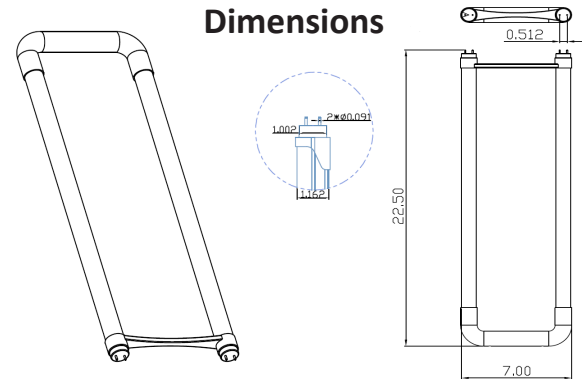
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E472081
- NSF certified
- 129 lumens per watt
- Color Rendering Index: 82
- 220° beam angle
- LED quantity: 120 chips
- Input voltage: AC 110V-277V
- Easy install - plug & play direct replacement
- Compatible with instant start electronic ballasts
- Frosted glass tube enables maximum light diffusion
- Suitable for use in totally enclosed fixtures



Luminous Intensity



Dimensions



Ordering Information: CT-DRT8U217N

DR

T8U

2

17

N

Type

Shape

Length

Watts

Color

DR - Direct Replacement
BP - Bypass Ballast

T8U - U-Bend

2 - 2 feet

17 - 17 Watts
18 - 18 Watts

C - 4100K
N - 5000K

3' T8 Tube

Description

Carson's 3' linear 12W LED T8 tube emits 1,400 lumens and saves 50% in energy costs when compared to F25 fluorescent tubes. Available in warm, cool, and natural white color temperatures, the stationary G13 end caps twist and lock into unshunted tombstones that run directly off line voltage. Perfect for offices, warehouses, and parking garages.

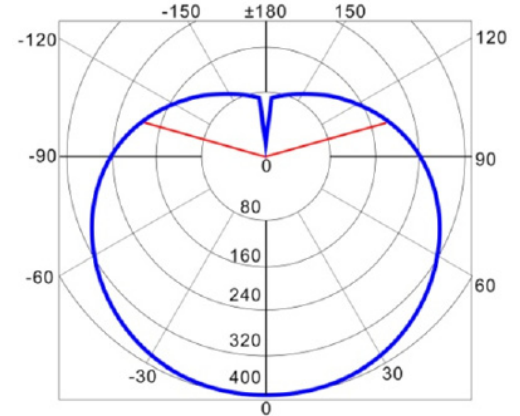
Product #	Watts	Lumens	lm/W
CT-BPT8312N	12	1,450	120.8

Key Features

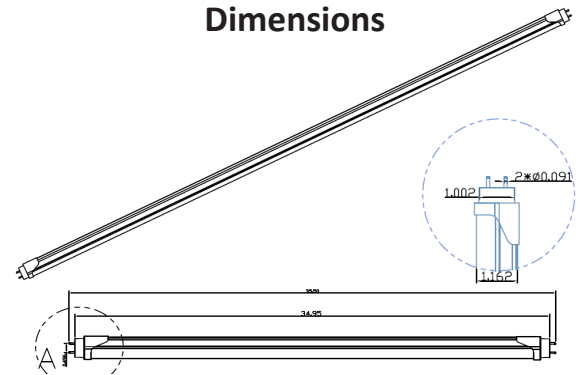
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E472082
- 121 lumens per watt
- Color Rendering Index: 82
- 220° beam angle
- LED quantity: 90 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Frosted glass tube enables maximum light diffusion
- Suitable for use in totally enclosed fixtures
- Maintains 40°C exterior surface temperature



Luminous Intensity



Dimensions



Ordering Information: CT-BPT8312N

BP

T8

3

12

N

Type

Shape

Length

Watts

Color

DR - Direct Replacement
BP - Bypass Ballast

T8 - Linear

3 - 3 feet

11 - 11 Watts
12 - 12 Watts

W - 3000K
C - 4100K
N - 5000K

4' T8 Tube - Dual Mode

Description

Carson's 4' linear 18W LED T8 tube emits 2,200 lumens and saves 55% in energy costs when compared to F32 fluorescent tubes. Each tube is compatible with an instant start electronic ballast and then can be direct wired after the ballast dies. Available in cool and natural white color temperatures, the dual mode tubes are ideal for offices and parking garages.

Product #	Watts	Lumens	lm/W
CT-DMT8418C	18	2,200	122.2

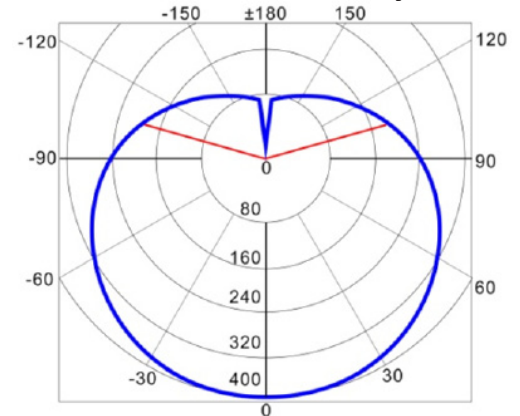
ft	2	4	6	8	10
fc	169	42	19	11	7

Key Features

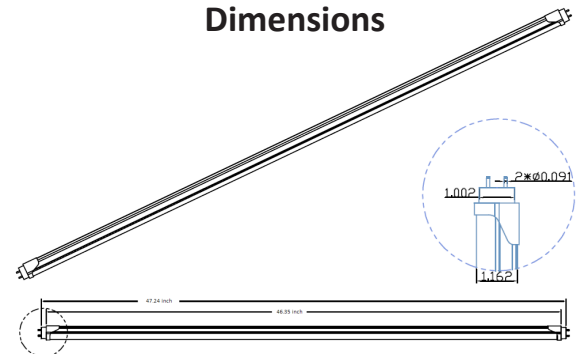
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E472082
- DLC Qualified Product List
- 120 lumens per watt
- Color Rendering Index: 82
- 220° beam angle
- LED quantity: 120 chips
- Input voltage: AC 110V-277V
- Easy install - plug & play direct replacement
- Compatible with instant start electronic ballasts
- Built-in internal driver - bypass external ballast
- Frosted glass tube enables maximum light diffusion



Luminous Intensity



Dimensions



Ordering Information: CT-DMT8418C

DM

T8

4

18

C

Type

Shape

Length

Watts

Color

DM - Dual Mode

T8 - Linear

4 - 4 feet

15 - 15 Watts
18 - 18 Watts

C - 4100K
N - 5000K

4' T8 Tube - Ballast Compatible

Description

Carson's 4' linear 17W LED T8 tube emits 2,200 lumens and saves 45% in energy costs when compared to F32 fluorescent tubes. Each tube is compatible with an instant start electronic ballast. Available in cool and natural white color temperatures, the stationary G13 end caps lock into existing tombstones. Ideal for offices, warehouses, and parking garages.

Product #	Watts	Lumens	lm/W
CT-DRT8417N	17	2,200	129.4

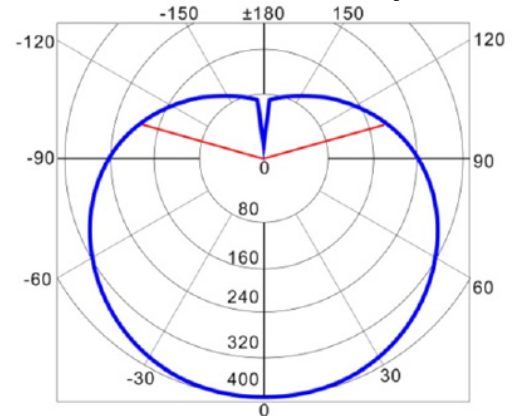
ft	2	4	6	8	10
fc	169	42	19	11	7

Key Features

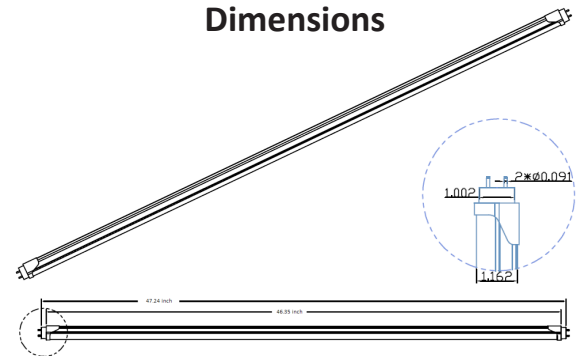
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E472081
- DLC Qualified Product List
- 129 lumens per watt
- Color Rendering Index: 82
- 220° beam angle
- LED quantity: 120 chips
- Input voltage: AC 110V-277V
- Suitable for use in totally enclosed fixtures
- Easy install - plug & play direct replacement
- Compatible with instant start electronic ballasts
- Frosted glass tube enables maximum light diffusion



Luminous Intensity



Dimensions



Ordering Information: CT-DRT8417N

DR

T8

4

17

N

Type

Shape

Length

Watts

Color

DR - Direct Replacement

T8 - Linear

4 - 4 feet

17 - 17 Watts

W - 3000K
C - 4100K
N - 5000K

4' T8 Tube - Bypass Ballast

Description

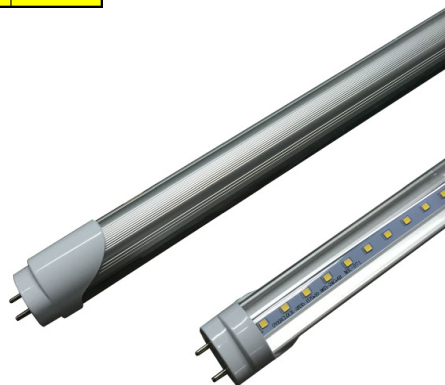
Carson's 4' linear 18W LED T8 tube emits 2,300 lumens and saves 45% in energy costs when compared to F32 fluorescent tubes. Available in warm, cool, and natural white color temperatures, the stationary G13 end caps twist and lock into unshunted tombstones that run directly off line voltage. Perfect for offices, warehouses, and parking garages.

Product #	Watts	Lumens	lm/W
CT-D02018TBN	18	2,346	127.3

ft	2	4	6	8	10
fc	169	42	19	11	7

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350411
- DLC Qualified Product List
- 127 lumens per watt
- Color Rendering Index: 83
- LED quantity: 96 chips
- Input voltage: AC 110V-277V
- Lightweight aluminum heat sink
- Built-in internal driver - bypass external ballast
- **SCR** or **0-10V** dimmable constant current internal driver
- Single-sided G13 power end inserts into unshunted tombstone
- Clear (ideal for troffers) or frosted lens (ideal for open fixtures)



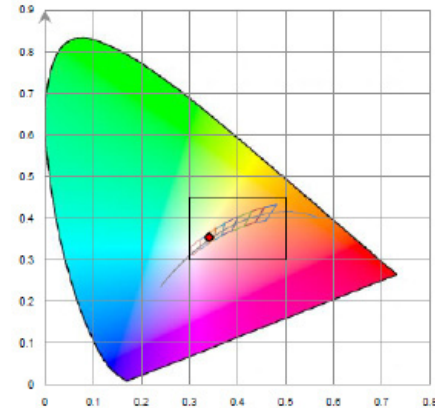
180% ROI

Annual Savings of \$14.70

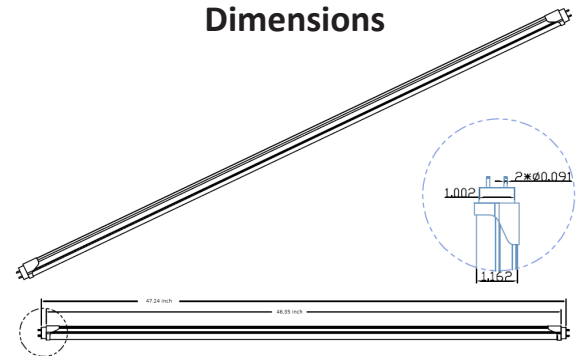
7 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Chromaticity



Dimensions



Ordering Information: CT-D02018TBN

D	02	018	T	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - SCR dimmable 02 - Non-dimmable 03 - 0-10V dimmable	018 - 18W/4 ft	T - T8 Tube	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K D - 6500K

4' T8 Tube - High Output

Description

Carson's 4' linear 32W LED T8 tube emits 3,000 lumens and saves 40% in energy costs when compared to F54 fluorescent tubes. Only available in natural white color temperature, the stationary G13 end caps twist and lock into unshunted tombstones that run directly off line voltage. Ideal for factories, warehouses, or other applications with high ceilings.

Product #	Watts	Lumens	lm/W
CT-D02032TBN	32	4197.7	132.37

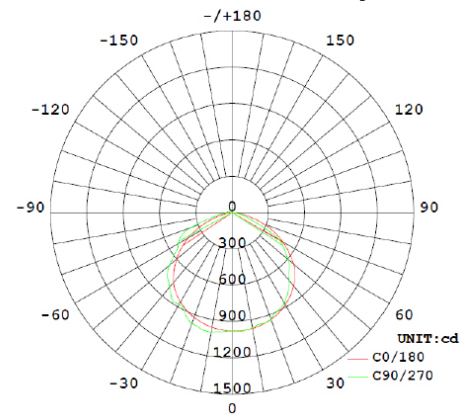
ft	3	6	9	12	15
fc	23	6	2.6	1.5	0.9

Key Features

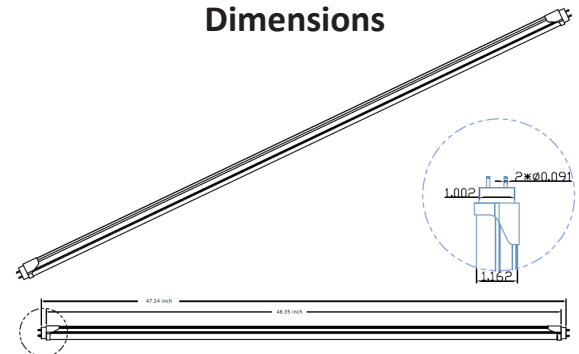
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350411
- 97 lumens per watt
- Power factor > .97
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- 180° beam angle
- Lightweight aluminum heat sink
- Built-in internal driver - bypass external ballast
- **SCR** dimmable constant current internal driver
- Single-sided G13 power end inserts into unshunted tombstone
- Clear (ideal for troffers) or frosted lens (ideal for open fixtures)



Luminous Intensity



Dimensions



Ordering Information: CT-D02032TBN

D	02	032	T	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	032 - 32W/4 ft	T - T8 Tube	B - Clear F - Frosted	N - 5000K

6' T8 Tube

Description

Carson's 6' linear 26W LED T8 tube emits 2,800 lumens and saves 60% in energy costs when compared to F70 fluorescent tubes. Only available in natural white color temperature, the stationary G13 end caps twist and lock into unshunted tombstones that run directly off line voltage. Commonly used in refrigeration coolers.

Product #	Watts	Lumens	lm/W
CT-D02026TBN	26	2,805	107.9

ft	3	6	9	12	15
fc	15	4	2	1	0.6

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- UL listing: E349847
- 10 year warranty
- 108 lumens per watt
- Power factor > .97
- 180° beam angle
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Lightweight aluminum heat sink
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Clear (ideal for troffers) or frosted lens (ideal for open fixtures)
- Maintains 40°C exterior surface temperature



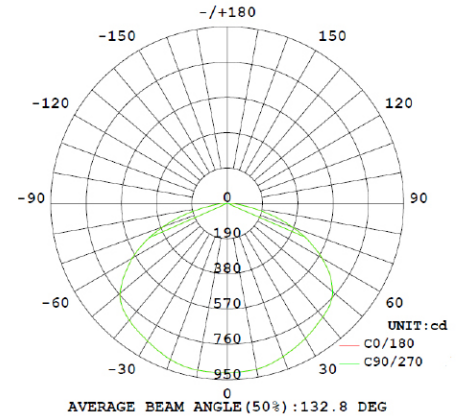
230% ROI

Annual Savings of \$46.25

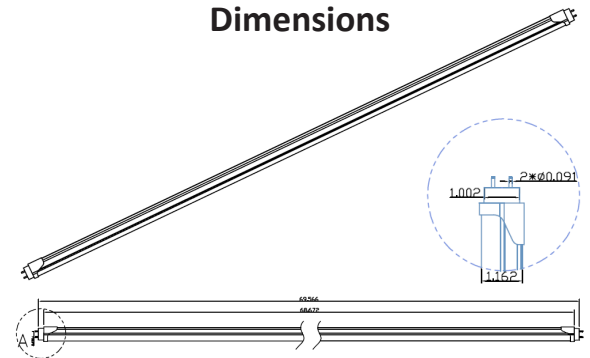
5 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity



Dimensions



Ordering Information: CT-D02026TBN

D	02	026	T	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	02 - Non-dimmable	026 - 26W/6 ft	T - T8 Tube	B - Clear F - Frosted	N - 5000K

8' T8 Tube

Description

Carson's 8' linear 36W LED T8 tube emits 4,500 lumens and saves 50% in energy costs when compared to F96 fluorescent tubes. Available in warm, cool, and natural white color temperatures, the single pin end caps spring into single pin tombstones that run directly off line voltage. Ideal for applications such as plants, warehouses, or factories.

Product #	Watts	Lumens	lm/W
CT-D02036TBN	36	4,583	127.3

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350411
- 127 lumens per watt
- Power factor > .97
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- 180° beam angle
- Aluminum heat sink prevents mid-point sagging
- Built-in internal driver - bypass external ballast
- Double-sided single pin Fa8 power ends
- Frosted or clear polycarbonate lens
- Maintains 40°C exterior surface temperature



170% ROI

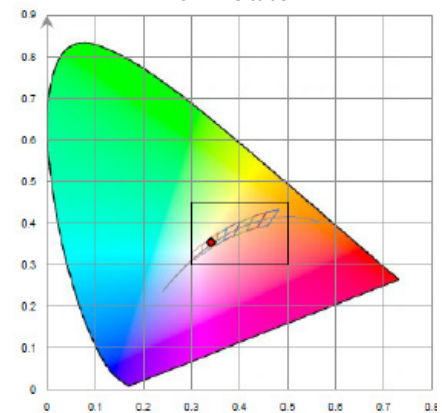
Annual Savings of \$41.00

7 month payback

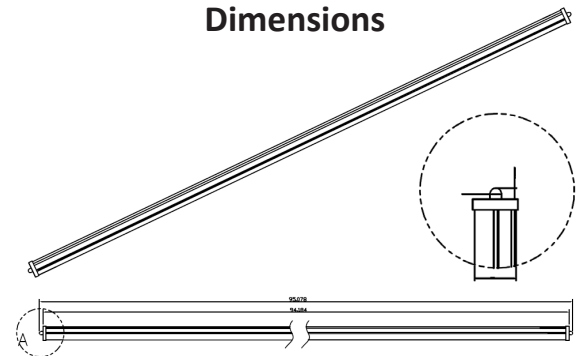
Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Chromaticity

*for 4' T8 tube



Dimensions



Ordering Information: CT-D02036TBN

D

02

036

T

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-dimmable

036 - 36W/8 ft

T - T8 Tube

B - Clear
F - Frosted

W - 3500K
C - 4100K
N - 5000K
D - 6500K

3' T12 Tube

Description

Carson's 3' linear 18W LED T12 tube emits 2,300 lumens and saves 60% in energy costs when compared to F36 fluorescent tubes. Triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps are ideal for outdoor sign boxes on buildings or street signs.

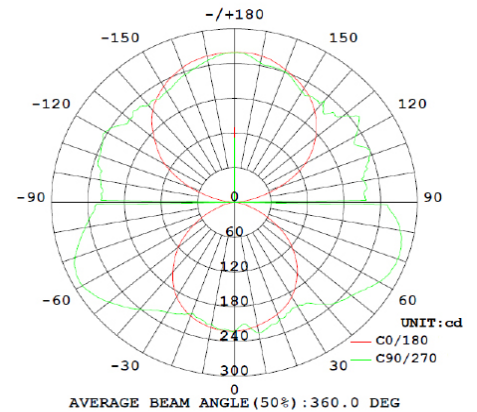
Product #	Watts	Lumens	lm/W
CT-D12018TRN	18	2,281	127.1

Key Features

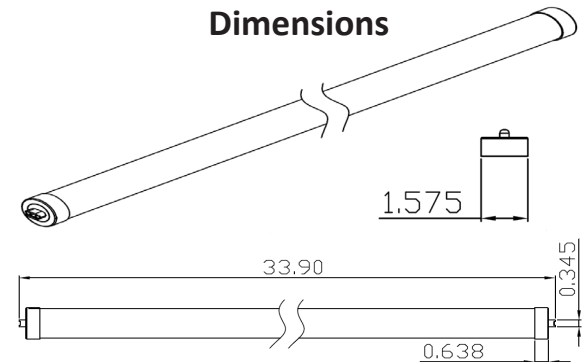
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- 127 lumens per watt
- Power factor > .97
- 360° beam angle
- LED quantity: 127 chips
- Input voltage: AC 110V-277V
- Silicone seals for outdoor sign market
- Triangular aluminum heat sink offers 360° illumination
- Built-in internal driver - bypass external ballast
- Single-sided recessed double contact R17d power end
- Clear polycarbonate lens offer maximum lumen output
- Maintains 40°C exterior surface temperature



Luminous Intensity



Dimensions



Ordering Information: CT-D12018TRN

D	12	018	T	R	N
Chip	Diameter	Watts/Size	Series	Type	Color
D - DC	12 - 360° Tube	018 - 18W/3 ft	T - T12 Tube	R - High Output (Recessed DC)	N - 5000K

4' T12 Tube

Description

Carson's 4' linear 25W LED T12 tube emits 2,200 lumens and saves 60% in energy costs when compared to F48 fluorescent tubes. Triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps are ideal for outdoor sign boxes on buildings or street signs.

Product #	Watts	Lumens	lm/W
CT-D12024TRN	25	2,177	87.5

ft	3	6	9	12	15
fc	3.8	1	0.4	0.2	0.15

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- 88 lumens per watt
- Power factor > .97
- 360° beam angle
- LED quantity: 180 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided recessed double contact R17d power end
- Clear polycarbonate lens offer maximum lumen output
- Triangular aluminum heat sink offers 360° illumination
- Silicone seals end caps for outdoor sign market
- Maintains 40°C exterior surface temperature



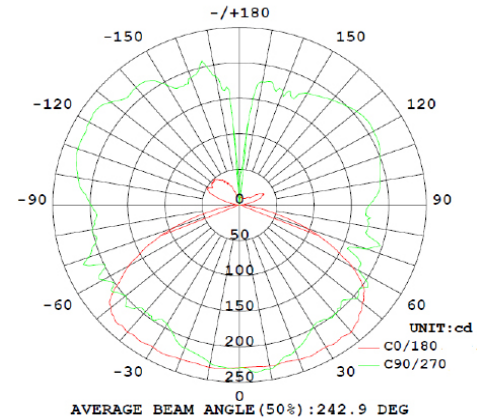
95% ROI

Annual Savings of \$37.80

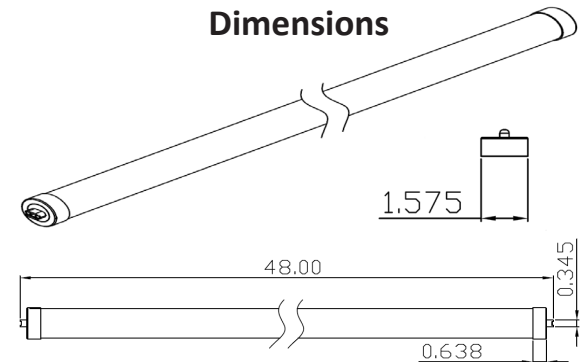
13 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity



Dimensions



Ordering Information: CT-D12024TRN

D

12

024

T

R

N

Chip

Diameter

Watts/Size

Series

Type

Color

D - DC

12 - 360° Tube

024 - 25W/4 ft

T - T12 Tube

R - High Output
(Recessed DC)

N - 5000K

5' T12 Tube

Description

Carson's 5' linear 30W LED T12 tube emits 3,200 lumens and saves 60% in energy costs when compared to F60 fluorescent tubes. Triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps are ideal for outdoor sign boxes on buildings or street signs.

Product #	Watts	Lumens	lm/W
CT-D12030TRN	30	3,250	107.9

Key Features

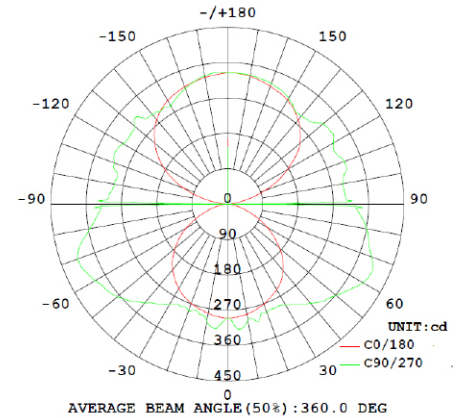
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- 108 lumens per watt
- Power factor > .97
- 360° beam angle
- LED quantity: 216 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided recessed double contact R17d power end
- Clear polycarbonate lens offer maximum lumen output
- Triangular aluminum heat sink offers 360° illumination
- Silicone seals end caps for outdoor sign market
- Maintains 40°C exterior surface temperature



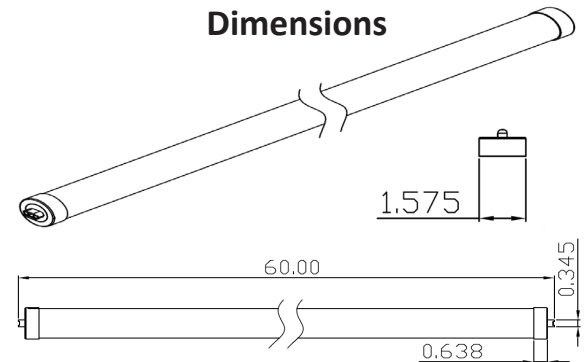
105% ROI
Annual Savings of \$47.30
11 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity



Dimensions



Ordering Information: CT-D12030TRN

D	12	030	T	R	N
Chip	Diameter	Watts/Size	Series	Type	Color
D - DC	12 - 360° Tube	030 - 30W/5 ft	T - T12 Tube	R - High Output (Recessed DC)	N - 5000K

6' T12 Tube - Single Pin

Description

Carson's 6' linear 35W LED T12 tube emits 3,100 lumens and saves 55% in energy costs when compared to F72 fluorescent tubes. Triangular heat sink offers 240° illumination, which eliminates shadows on single or double sided sign boxes. The stationary single pin Fa8 end caps are ideal for outdoor sign boxes on buildings or street signs.

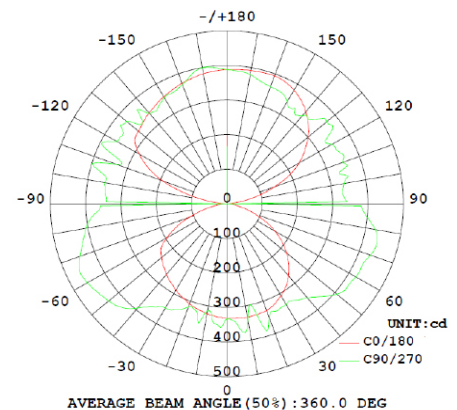
Product #	Watts	Lumens	lm/W
CT-D12036TSN	36	3,150	96.4

Key Features

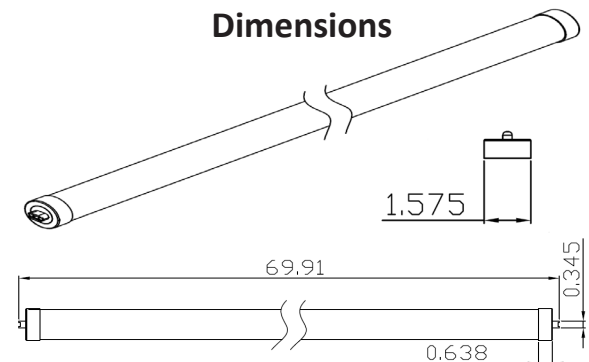
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 96 lumens per watt
- Color Rendering Index: 82
- 240° beam angle
- LED quantity: 252 chips
- Input voltage: AC 110V-277V
- Triangular aluminum heat sink offers 240° illumination
- External driver with orange quick connect
- Retrofits into single pin Fa8 lampholders
- Clear polycarbonate lens offer maximum lumen output
- Silicone seals end caps for outdoor sign market



Luminous Intensity



Dimensions



Ordering Information: CT-D12036TSN

D

12

036

T

S

N

Chip

Diameter

Watts/Size

Series

Type

Color

D - DC

12 - 360° Tube

036 - 35W/6 ft

T - T12 Tube

S - Single pin
R - High Output
(Recessed DC)

N - 5000K

6' T12 Tube - HO End

Description

Carson's 6' linear 35W LED T12 tube emits 3,900 lumens and saves 60% in energy costs when compared to F72 fluorescent tubes. Triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps are ideal for outdoor sign boxes on buildings or street signs.

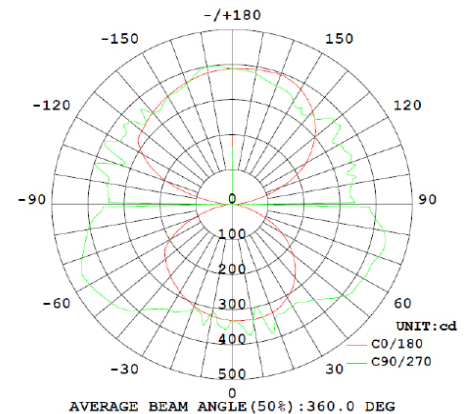
Product #	Watts	Lumens	lm/W
CT-D12030TRN	35	3,877	108.9

Key Features

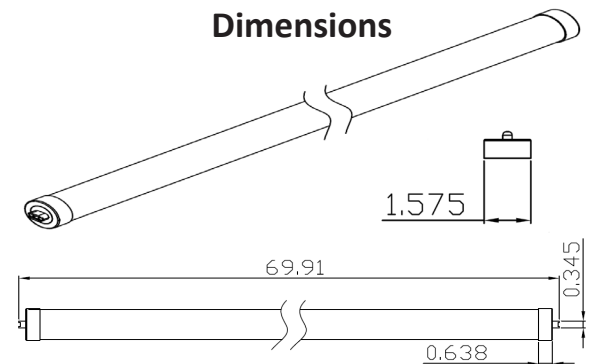
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 108 lumens per watt
- Power factor > .97
- 360° beam angle
- LED quantity: 252 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided recessed double contact R17d power end
- Clear polycarbonate lens offer maximum lumen output
- Triangular aluminum heat sink offers 360° illumination
- Silicone seals end caps for outdoor sign market



Luminous Intensity



Dimensions



Ordering Information: CT-D12036TRN

D	12	036	T	R	N
Chip	Diameter	Watts/Size	Series	Type	Color
D - DC	12 - 360° Tube	036 - 35W/6 ft	T - T12 Tube	R - High Output (Recessed DC)	N - 5000K

7' T12 Tube

Description

Carson's 7' linear 42W LED T12 tube emits 4,500 lumens and saves 60% in energy costs when compared to F84 fluorescent tubes. Triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps are ideal for outdoor sign boxes on buildings or street signs.

Product #	Watts	Lumens	lm/W
CT-D12042TRN	42	4,532	107.9

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- 108 lumens per watt
- Power factor > .97
- 360° beam angle
- LED quantity: 288 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided recessed double contact R17d power end
- Clear polycarbonate lens offer maximum lumen output
- Triangular aluminum heat sink offers 360° illumination
- Silicone seals end caps for outdoor sign market
- Maintains 40°C exterior surface temperature



120% ROI

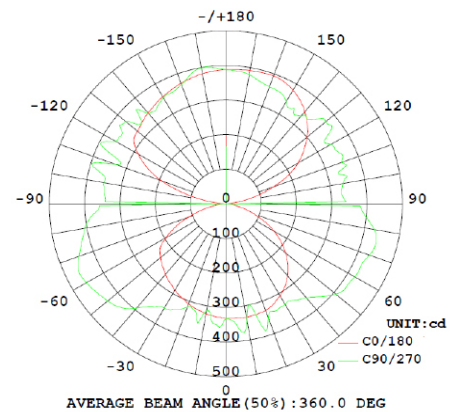
Annual Savings of \$61.00

10 month payback

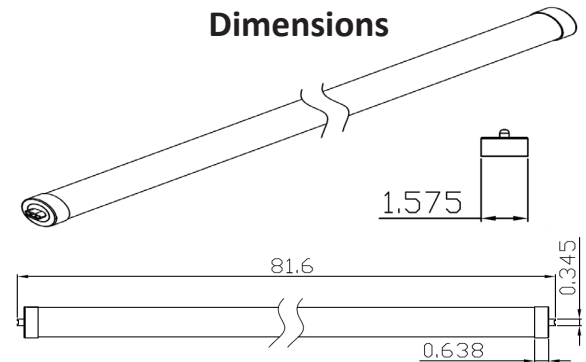
Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity

*for 6' T12 tube



Dimensions



Ordering Information: CT-D12042TRN

D

12

042

T

R

N

Chip

Diameter

Watts/Size

Series

Type

Color

D - DC

12 - 360° Tube

042 - 42W/7 ft

T - T12 Tube

R - High Output
(Recessed DC)

N - 5000K

8' T12 Tube - Single Pin

Description

Carson's 8' linear 48W LED T12 tube emits 4,600 lumens and saves 55% in energy costs when compared to F96 fluorescent tubes. Triangular heat sink offers 240° illumination, which eliminates shadows on single or double sided sign boxes. The stationary single pin Fa8 end caps are ideal for outdoor sign boxes on buildings or street signs.

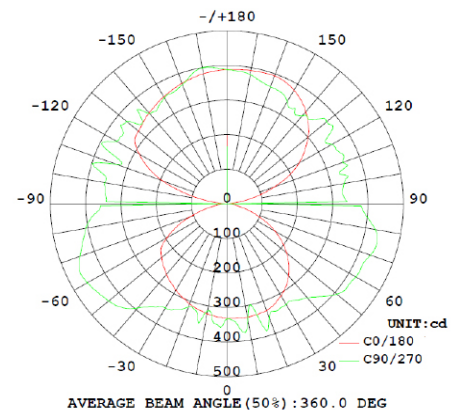
Product #	Watts	Lumens	lm/W
CT-D12048TSN	48	4,627	96.4

Key Features

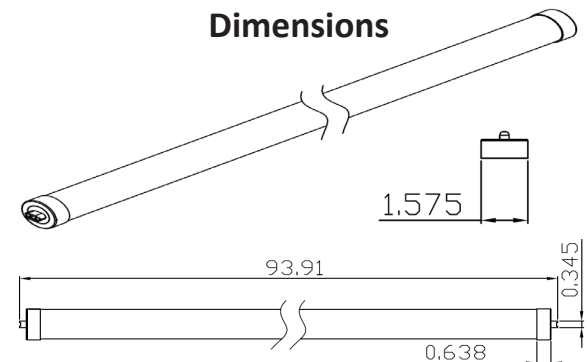
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 96 lumens per watt
- Color Rendering Index: 82
- 240° beam angle
- LED quantity: 324 chips
- Input voltage: AC 110V-277V
- Triangular aluminum heat sink offers 240° illumination
- External driver with orange quick connect
- Retrofits into single pin Fa8 lampholders
- Clear polycarbonate lens offer maximum lumen output
- Silicone seals end caps for outdoor sign market



Luminous Intensity



Dimensions



Ordering Information: CT-D12048TSN

D	12	048	T	S	N
Chip	Diameter	Watts/Size	Series	Type	Color
D - DC	12 - 360° Tube	048 - 48W/8 ft	T - T12 Tube	S - Single pin R - High Output (Recessed DC)	N - 5000K

8' T12 Tube - HO End

Description

Carson's 8' linear 48W LED T12 tube emits 5,200 lumens and saves 55% in energy costs when compared to F96 fluorescent tubes. Triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps are ideal for outdoor sign boxes on buildings or street signs.

Product #	Watts	Lumens	lm/W
CT-D12048TRN	48	5,179	107.9

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 108 lumens per watt
- Power factor > .97
- 360° beam angle
- LED quantity: 324 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided recessed double contact R17d power end
- Clear polycarbonate lens offer maximum lumen output
- Triangular aluminum heat sink offers 360° illumination
- Silicone seals end caps for outdoor sign market



120% ROI

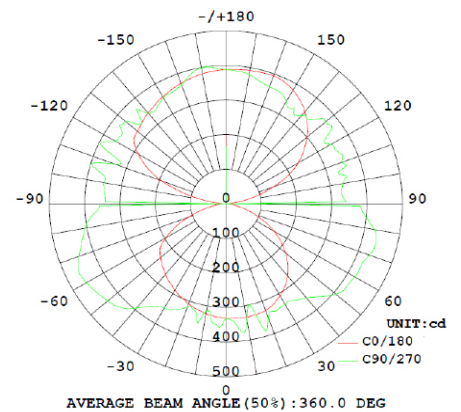
Annual Savings of \$65.20

10 month payback

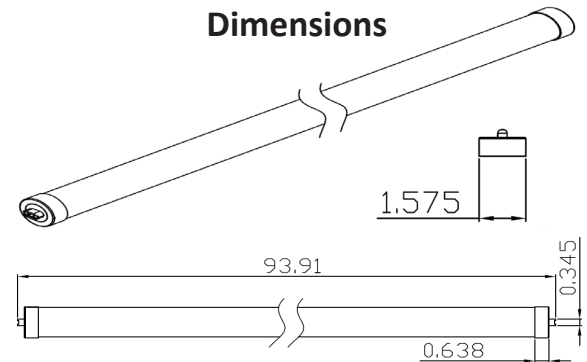
Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity

*for 6' T12 tube



Dimensions



Ordering Information: CT-D12048TRN

D

12

048

T

R

N

Chip

Diameter

Watts/Size

Series

Type

Color

D - DC

12 - 360° Tube

048 - 48W/8 ft

T - T12 Tube

R - High Output
(Recessed DC)

N - 5000K

10' T12 Tube

Description

Carson's 10' linear 60W LED T12 tube emits 6,500 lumens and saves 50% in energy costs when compared to F120 fluorescent tubes. Triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps are ideal for outdoor sign boxes on buildings or street signs.

Product #	Watts	Lumens	lm/W
CT-D12060TRN	60	6,474	107.9

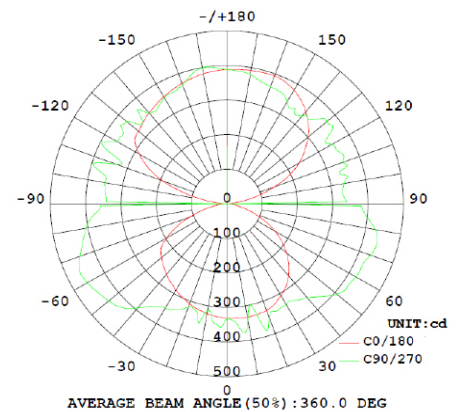
Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- 108 lumens per watt
- Power factor > .97
- 360° beam angle
- LED quantity: 360 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided recessed double contact R17d power end
- Clear polycarbonate lens offer maximum lumen output
- Triangular aluminum heat sink offers 360° illumination
- Silicone seals end caps for outdoor sign market
- Maintains 40°C exterior surface temperature

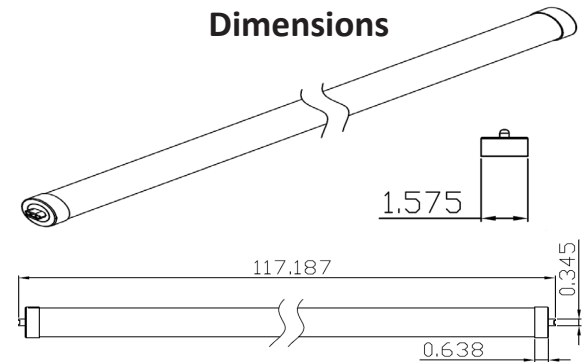


Luminous Intensity

*for 6' T12 tube



Dimensions



Ordering Information: CT-D12060TRN

D	12	060	T	R	N
Chip	Diameter	Watts/Size	Series	Type	Color
D - DC	12 - 360° Tube	060 - 60W/10 ft	T - T12 Tube	R - High Output (Recessed DC)	N - 5000K

4" Downlight

Description

Carson's 9W circular 4" LED downlight emits 800 lumens and is available in warm, cool and natural white color temperatures. The aesthetically pleasing replacements for CFL bulbs retrofit into existing IC or non-IC four inch recessed can fixtures. Ideal for use in both residential and commercial new construction and retrofit applications.

Product #	Watts	Lumens	lm/W
CT-D01009RCN	9	800	88.9

ft	3	6	9	12	15
fc	6	1.4	0.6	0.4	0.3

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E352186
- ENERGY STAR Certified
- Color Rendering Index: 80
- Protection class: IP40
- 89 lumens per watt
- Power factor > .9
- LED quantity: 48 chips
- Input voltage: AC 120V (SCR dimmable)
- Uses orange quick connect to comply with Title 24
- Retrofits into 4-inch housing fixture with E26 base
- Spring clips lock downlight into recessed can



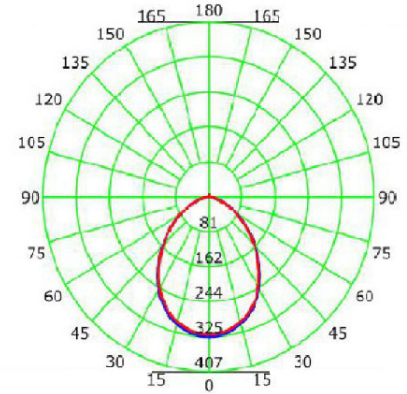
110% ROI

Annual Savings of \$9.50

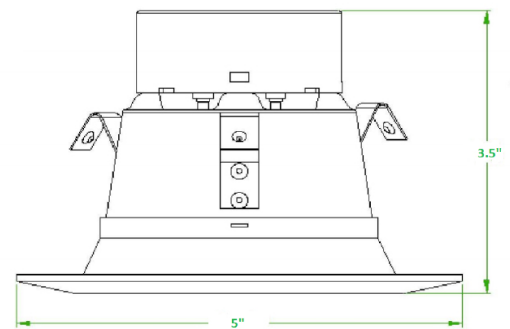
11 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity



Dimensions



Ordering Information: CT-D01009RCN

D

01

009

R

C

N

Chip

Dimmable

Watts/Size

Series

Base

Color

D - DC

01 - SCR Dimmable

009 - 9W/4"

R - Downlight

C - E26

W - 3000K
C - 4000K
N - 5000K

6" Downlight

Description

Carson's 13W circular 6" LED downlight emits 1,200 lumens and is available in warm, cool and natural white color temperatures. The aesthetically pleasing replacements for CFL bulbs retrofit into existing IC or non-IC six inch recessed can fixtures. Ideal for use in both residential and commercial new construction and retrofit applications.

Product #	Watts	Lumens	lm/W
CT-D01013RCN	13	1,200	92.3

ft	3	6	9	12	15
fc	6	1.4	0.6	0.4	0.3

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E352186
- ENERGY STAR Certified
- Color Rendering Index: 80
- Protection class: IP40
- 92 lumens per watt
- Power factor > .9
- LED quantity: 72 chips
- Input voltage: AC 120V (SCR dimmable)
- Uses orange quick connect to comply with Title 24
- Retrofits into 6-inch housing fixture with E26 base
- Spring clips lock downlight into recessed can



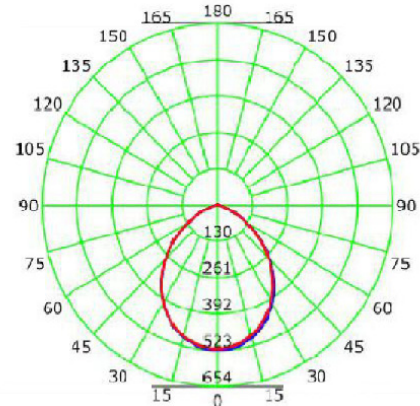
130% ROI

Annual Savings of \$12.60

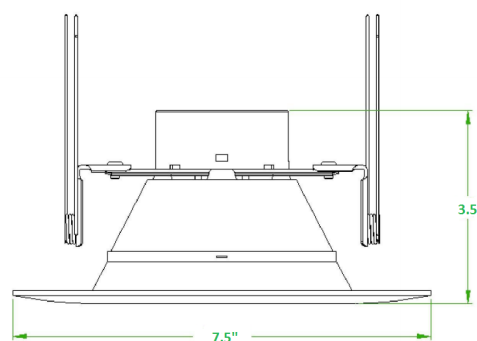
9 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity



Dimensions



Ordering Information: CT-D01013RCN

D	01	013	R	C	N
Chip	Dimmable	Watts/Size	Series	Base	Color
D - DC	01 - SCR Dimmable	013 - 13W/6"	R - Downlight	C - E26	W - 3000K C - 4000K N - 5000K

2' x 2' Panel

Description

Carson's 36W 2' x 2' LED panels emit 3,300 lumens and have color-temperature switching capability. Powered by edge-lit technology, the flat panels are aesthetic alternatives to traditional fluorescent fixtures in drop ceilings. Compatible with battery back-ups or occupancy sensors for target applications such as offices, schools or hospitals.

Product #	Watts	Lumens	lm/W
CT-D01036PLT	36	3,303	91.9

ft	3	6	9	12	15
fc	30	7	3	1.8	1

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350414
- DLC Qualified Product List
- 92 lumens per watt
- Color Rendering Index: 81
- LED quantity: 96 chips
- Input voltage: AC 110V-277V
- Aluminum white color trim
- 0-10V dimmable constant current external driver
- Color-temperature switching via proprietary technology
- Triangular hooks for earthquake precaution
- High-transmission acrylic lens emits uniform light pattern
- Surface mount frame add-on available



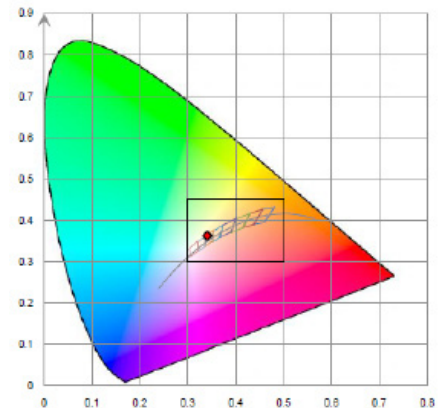
100% ROI

Annual Savings of \$29.40

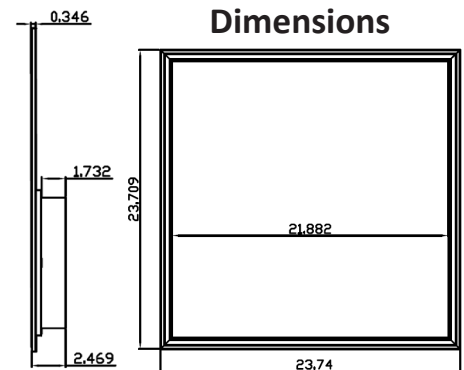
12 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Chromaticity



Dimensions



Ordering Information: CT-D01036PLT

D

01

036

P

L

T

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - 0-10V Dimmable
02 - Non-dimmable

036 - 36W/2' x 2'

P - Panel

L - Acrylic

W - 3500K
C - 4100K
N - 5000K
T - 3K, 4K, 5K

1 x 4' Panel

Description

Carson's 42W 1' x 4' LED panels emit 3,000 lumens and are available in three color temperatures with 0-10V dimming capability. Powered by edge-lit technology, the flat panels are aesthetic alternatives to traditional fluorescent fixtures in drop ceilings. Compatible with battery back-ups or occupancy sensors for target applications such as offices or hospitals.

Product #	Watts	Lumens	lm/W
CT-D01042PLN	42	4,183.7	100.68

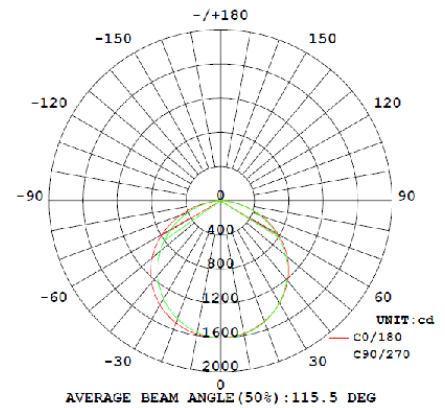
ft	3	6	9	12	15
fc	31	8	3	2	1

Key Features

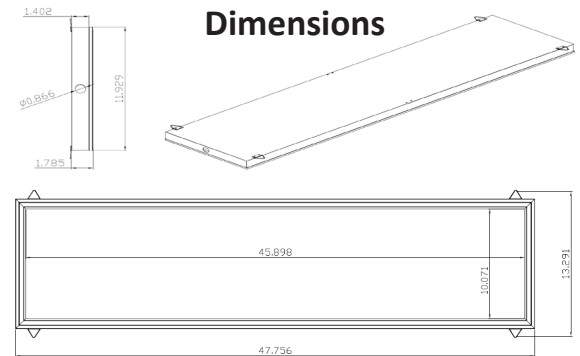
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350414
- 71 lumens per watt
- LED quantity: 140 chips
- Input voltage: AC 110V-277V
- Aluminum white color trim
- Triangular hooks for earthquake precaution
- 0-10V dimmable constant current external driver
- 1/2" knockouts on junction box for conduit electrical feed
- Aluminum trim serves as heat sink and thermal control
- High-transmission acrylic lens emits uniform light pattern
- Surface mount frame add-on available



Luminous Intensity



Dimensions



Ordering Information: CT-D01042PLN

D

01

042

P

L

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - 0-10V Dimmable
02 - Non-dimmable

042 - 42W/1' x 4'

P - Panel

L - Acrylic

W - 3500K
C - 4100K
N - 5000K

2' x 4' Panel

Description

Carson's 67W 2' x 4' LED panels emit 6,000 lumens and are available in three color temperatures with 0-10V dimming capability. Powered by edge-lit technology, the flat panels are aesthetic alternatives to traditional fluorescent fixtures in drop ceilings. Compatible with battery back-ups or occupancy sensors for target applications such as offices or schools.

Product #	Watts	Lumens	lm/W
CT-D01072PLN	67	5,967	89.2

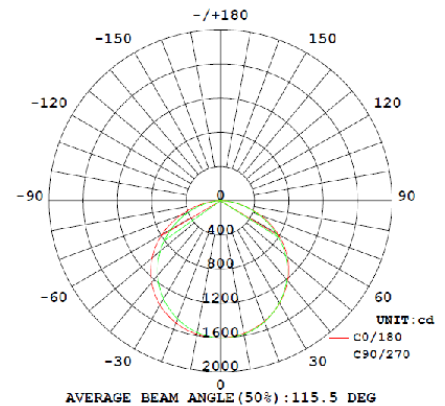
ft	3	6	9	12	15
fc	41	10	5	3	2

Key Features

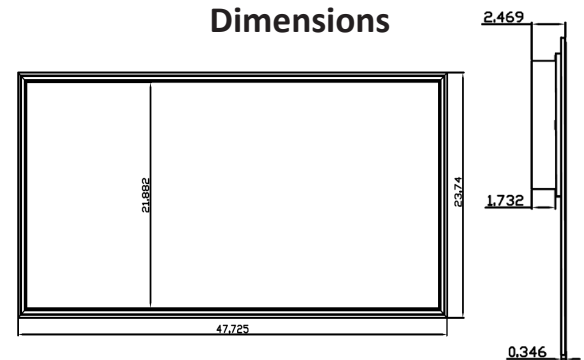
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350414
- DLC Qualified Product List
- 89 lumens per watt
- Color Rendering Index: 82
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Aluminum white color trim
- 0-10V dimmable constant current external driver
- Triangular hooks for earthquake precaution
- High-transmission acrylic lens emits uniform light pattern
- Surface mount frame add-on available



Luminous Intensity



Dimensions



Ordering Information: CT-D01072PLN

D

01

072

P

L

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - 0-10V Dimmable
02 - Non-dimmable

072 - 67W/2' x 4'

P - Panel

L - Acrylic

W - 3500K
C - 4100K
N - 5000K

2' x 2' Indirect

Description

Carson's 36W 2' x 2' LED indirect fixtures emit 3,000 lumens and are available in three color temperatures with 0-10V dimming capability. Covered by a center basket acrylic lens, the indirect fixtures are aesthetic alternatives to traditional fluorescent troffers in T-bar drop ceilings. Compatible with occupancy sensors for applications such as offices or hospitals.

Product #	Watts	Lumens	lm/W
CT-D01036ILN	36	3,000	83.3

ft	3	6	9	12	15
fc	30	7	3	1.8	1

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E364448
- DLC Qualified Product List
- 83 lumens per watt
- Color Rendering Index: 80
- LED quantity: 48 chips
- Input voltage: AC 110V-277V
- 0-10V dimmable constant current external driver
- White powder-coated metal housing
- Center basket acrylic lens delivers diffused light distribution
- Includes T-bar clips and holes for mounting support
- 1/2" knockouts on back side for conduit electrical feed



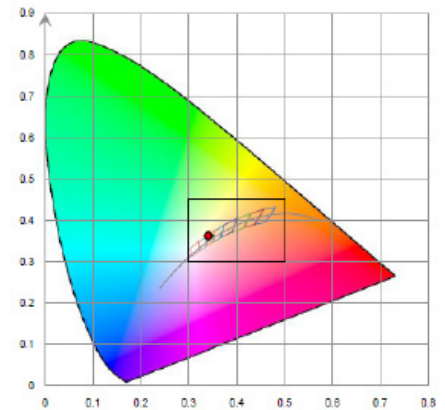
100% ROI

Annual Savings of \$29.40

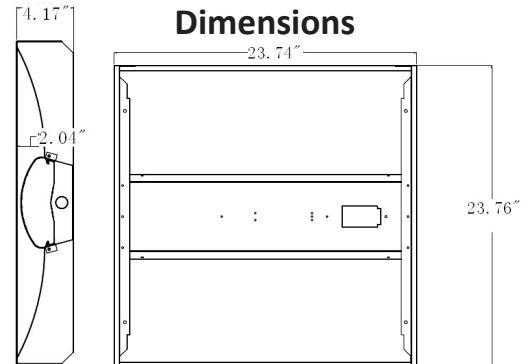
12 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Chromaticity



Dimensions



Ordering Information: CT-D01036ILN

D	01	036	I	L	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - 0-10V Dimmable	036 - 36W/2' x 2'	I - Indirect	L - Acrylic	W - 3500K C - 4100K N - 5000K

2' x 4' Indirect

Description

Carson's 62W 2' x 4' LED indirect fixtures emit 6,000 lumens and are available in three color temperatures with 0-10V dimming capability. Covered by a center basket acrylic lens, the indirect fixtures are aesthetic alternatives to traditional fluorescent troffers in T-bar drop ceilings. Compatible with occupancy sensors for applications such as offices or hospitals.

Product #	Watts	Lumens	lm/W
CT-D01062ILN	62	6,000	96.8

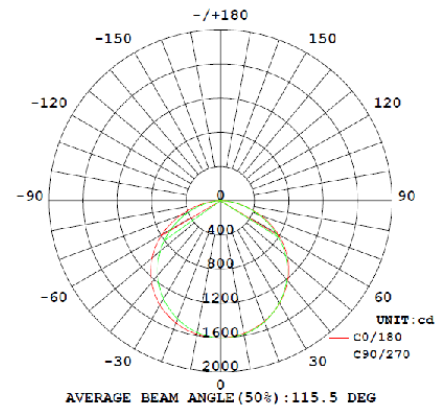
ft	3	6	9	12	15
fc	41	10	5	3	2

Key Features

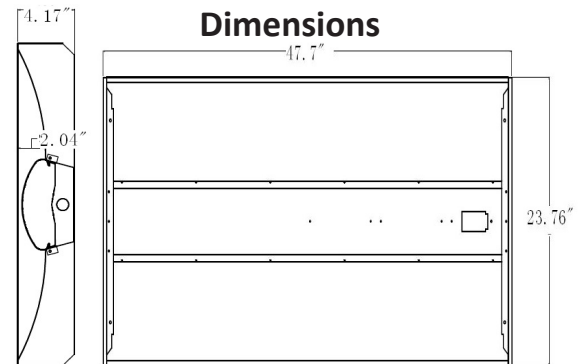
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E364448
- DLC Qualified Product List
- 96 lumens per watt
- Color Rendering Index: 80
- LED quantity: 96 chips
- Input voltage: AC 110V-277V
- 0-10V dimmable constant current external driver
- White powder-coated metal housing
- Smooth acrylic lens delivers diffused light distribution
- Includes T-bar clips and holes for mounting support
- 1/2" knockouts on back side for conduit electrical feed



Luminous Intensity



Dimensions



Ordering Information: CT-D01062ILN

D	01	062	I	L	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - 0-10V Dimmable	062 - 62W/2' x 4'	I - Indirect	L - Acrylic	W - 3500K C - 4100K N - 5000K

4' Wrap Around - Classic

Description

Carson's 4' linear 36W LED 2-lamp wrap around fixture delivers general ambient lighting for ceiling applications. Compatible with occupancy sensors, the surface-mounted fixture has a metal housing with plastic end caps and acrylic diffuser. Ideal to replace F32 fluorescent wrap arounds in hallways, offices, and utility work areas.

Product #	Watts	Lumens	lm/W
CT-D02036ABN	35	3,186	90.4

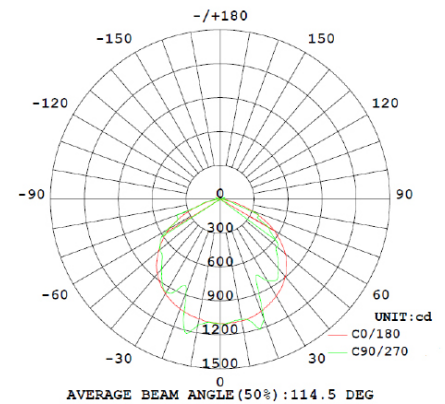
ft	3	6	9	12	15
fc	35	8.9	4	2.2	1.4

Key Features

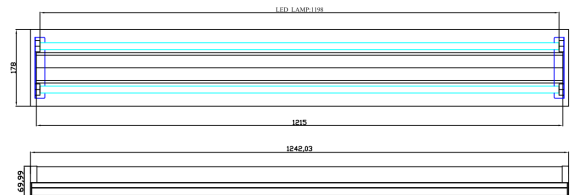
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- 90 lumens per watt
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Surface mount ceiling application
- Metal housing with plastic end caps
- Acrylic diffuser provides maximum light output
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockout for conduit electrical feed
- Compatible with occupancy sensor and emergency battery



Luminous Intensity



Dimensions



Ordering Information: CT-D02036ABN

D

02

036

A

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Dimmable
02 - Non-dimmable

036 - 35W/4 ft

A - Wrap Around

B - Clear
F - Frosted

W - 3500K
C - 4100K
N - 5000K

4' Wrap Around - Classic (HO)

Description

Carson's 4' linear 62W LED 2-lamp wrap around fixture delivers general ambient lighting for ceiling applications. Compatible with occupancy sensors, the surface-mounted fixture has a metal housing with plastic end caps and acrylic diffuser. Ideal to replace F54 fluorescent wrap arounds in hallways, offices, and utility work areas.

Product #	Watts	Lumens	lm/W
CT-D02064ABN	62	5,694	91.3

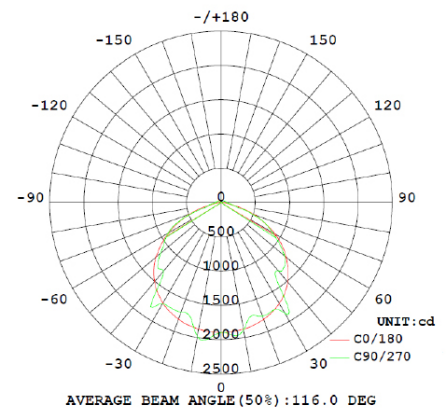
ft	3	6	9	12	15
fc	41	10	5	3	2

Key Features

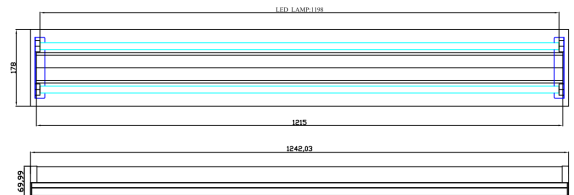
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- 90 lumens per watt
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Surface mount ceiling application
- Metal housing with plastic end caps
- Acrylic diffuser provides maximum light output
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockout for conduit electrical feed
- Compatible with occupancy sensor and emergency battery



Luminous Intensity



Dimensions



Ordering Information: CT-D02064ABN

D

02

064

A

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Dimmable
02 - Non-dimmable

064 - 62W/4 ft

A - Wrap Around

B - Clear
F - Frosted

W - 3500K
C - 4100K
N - 5000K

4' Wrap Around - Curved

Description

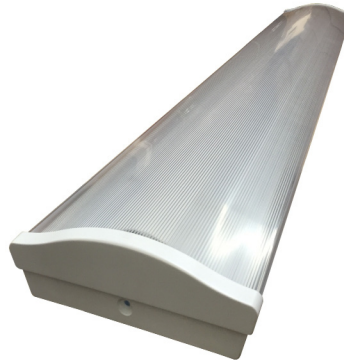
Carson's 4' linear 36W LED 2-lamp curved wrap around fixture delivers general ambient lighting for ceiling applications. Compatible with occupancy sensors, the surface-mounted fixture has a metal housing with plastic end caps and acrylic diffuser. Ideal to replace F32 fluorescent wrap arounds in hallways, offices, and utility work areas.

Product #	Watts	Lumens	lm/W
CT-D02136ABN	36	2,970	82.8

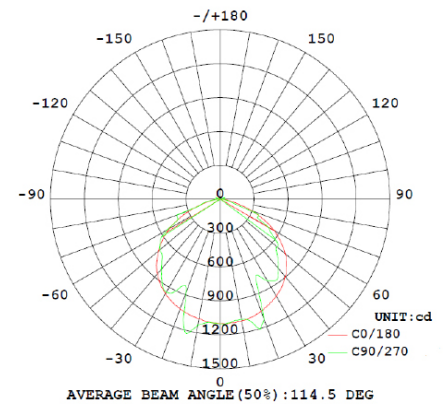
ft	3	6	9	12	15
fc	35	8.9	4	2.2	1.4

Key Features

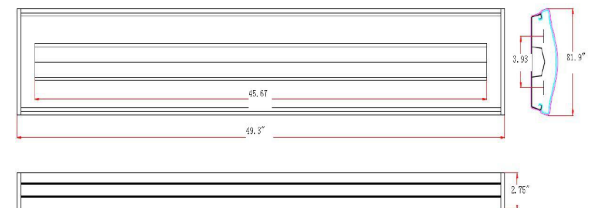
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- 83 lumens per watt
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Surface mount ceiling application
- Metal housing with plastic end caps
- Acrylic diffuser provides maximum light output
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockout for conduit electrical feed
- Compatible with occupancy sensor and emergency battery



Luminous Intensity



Dimensions



Ordering Information: CT-D02136ABN

D	02	136	A	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	136 - 36W/4 ft curved	A - Wrap Around	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K

4' Wrap Around - Curved (HO)

Description

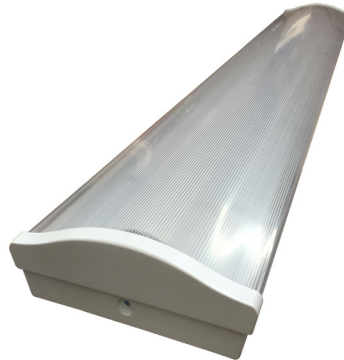
Carson's 4' linear 62W LED 2-lamp curved wrap around fixture delivers general ambient lighting for ceiling applications. Compatible with occupancy sensors, the surface-mounted fixture has a metal housing with plastic end caps and acrylic diffuser. Ideal to replace F54 fluorescent wrap arounds in hallways, offices, and utility work areas.

Product #	Watts	Lumens	lm/W
CT-D02064ABN	62	5,812	93.5

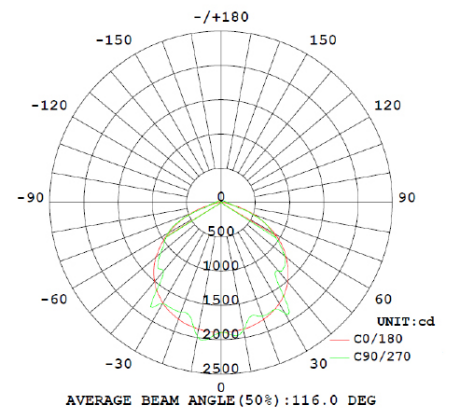
ft	3	6	9	12	15
fc	41	10	5	3	2

Key Features

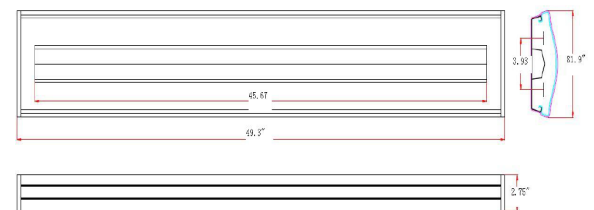
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- 93 lumens per watt
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Surface mount ceiling application
- Metal housing with plastic end caps
- Acrylic diffuser provides maximum light output
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockout for conduit electrical feed
- Compatible with occupancy sensor and emergency battery



Luminous Intensity



Dimensions



Ordering Information: CT-D02164ABN

D	02	164	A	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	164 - 62W/4 ft curved	A - Wrap Around	B - Clear F - Frosted	N - 5000K

4' Strip - (1-Lamp)

Description

Carson's 18W linear 4' LED 1-lamp industrial strip emits 2,300 lumens with performance equal to replacement of 1-lamp F32 fluorescent fixture. Available in three color temperatures, the stationary G13 end cap locks into unshunted tombstones that run directly off line voltage. Ideal for applications such as plants, warehouses, and parking garages.

Product #	Watts	Lumens	lm/W
CT-D02018FBN	18	2,346	127.3

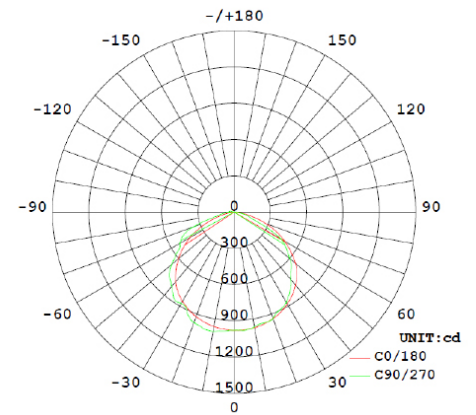
ft	2	4	6	8	10
fc	169	42	19	11	7

Key Features

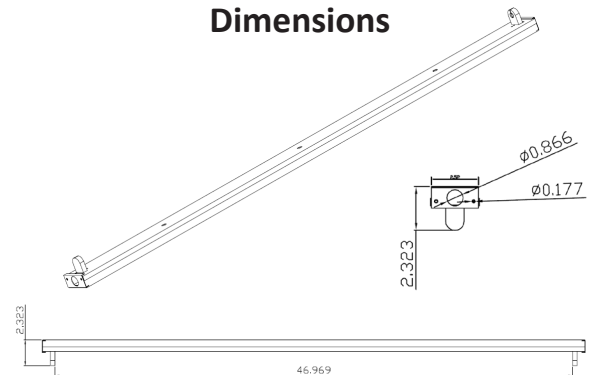
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- 127 lumens per watt
- Power factor > .96
- LED quantity: 96 chips
- Input voltage: AC 110V-277V
- Back side flush mount
- Frosted or clear polycarbonate lens
- White powder-coated aluminum fixture
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockouts on junction box for conduit electrical feed



Luminous Intensity



Dimensions



Ordering Information: CT-D02018FBN

D	02	018	F	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	018 - 18W/4 ft 032 - 32W/4 ft	F - Linear Strip	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K

4' Strip - (2-Lamp)

Description

Carson's 36W linear 4' LED 2-lamp industrial strip emits 3,400 lumens with performance equal to replacement of 2-lamp F32 fluorescent fixture. Available in three color temperatures, the stationary G13 end cap locks into unshunted tombstones that run directly off line voltage. Ideal for applications such as plants, warehouses, and parking garages.

Product #	Watts	Lumens	lm/W
CT-D02036FBN	36	3,453	96.3

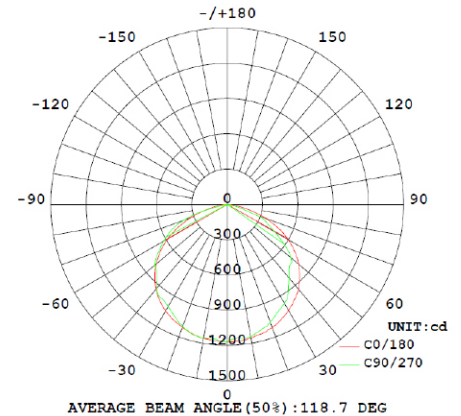
ft	3	6	9	12	15
fc	27	7	3	1.6	1.1

Key Features

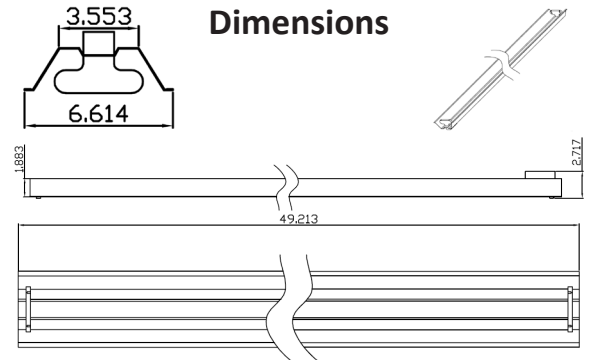
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- 96 lumens per watt
- Power factor > .96
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains and hooks
- Frosted or clear polycarbonate lens
- White powder-coated aluminum fixture
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockouts on junction box for conduit electrical feed



Luminous Intensity



Dimensions



Ordering Information: CT-D02036FBN

D

02

036

F

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Dimmable
02 - Non-dimmable

036 - 36W/4 ft

F - Linear Strip

B - Clear
F - Frosted

W - 3500K
C - 4100K
N - 5000K

4' Strip - HO (2-Lamp)

Description

Carson's 62W linear 4' LED 2-lamp industrial strip emits 6,100 lumens with performance equal to replacement of 2-lamp F54 fluorescent fixture. Available in natural white color temperature, the stationary G13 end cap locks into unshunted tombstones that run directly off line voltage. Ideal for applications such as plants, warehouses, and parking garages.

150% ROI

Annual Savings of \$46.30

8 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02064FBN	62	6,096	98.2

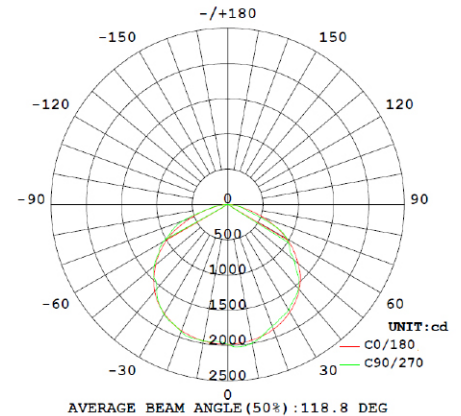
ft	3	6	9	12	15
fc	189	21	7.6	3.9	2.3

Key Features

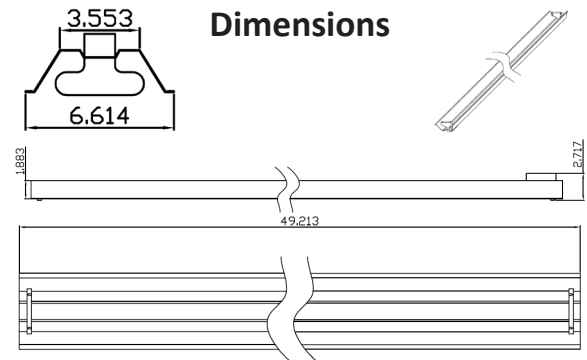
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- 96 lumens per watt
- Power factor > .96
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains and hooks
- Frosted or clear polycarbonate lens
- White powder-coated aluminum fixture
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockouts on junction box for conduit electrical feed
- Built-in internal driver - bypass external ballast



Luminous Intensity



Dimensions



Ordering Information: CT-D02064FBN

D

02

064

F

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Dimmable
02 - Non-dimmable

064 - 62W/4 ft

F - Linear Strip

B - Clear
F - Frosted

N - 5000K

8' Strip - (2-Lamp)

Description

Carson's 72W linear 8' LED 2-lamp industrial strip emits 7,700 lumens with performance equal to replacement of 2-lamp F96 fluorescent fixture. Only available in three color temperatures, the stationary Fa8 end cap locks into single pin lampholder that runs directly off line voltage. Ideal for applications such as plants, warehouses, and parking garages.

150% ROI

Annual Savings of \$73.60

8 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

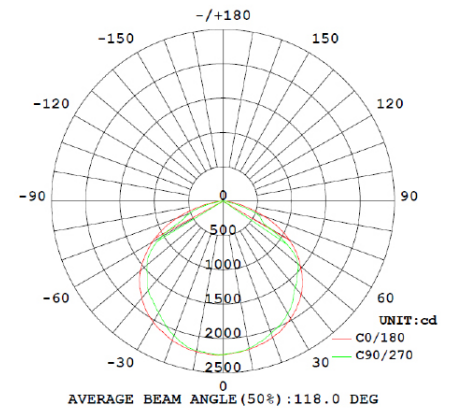
Product #	Watts	Lumens	lm/W
CT-D02072FBN	72	7,704	96.3

Key Features

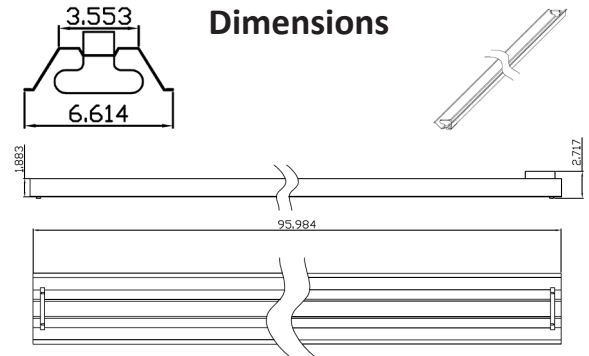
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- 96 lumens per watt
- Power factor > .95
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains and hooks
- Frosted or clear polycarbonate lens
- White powder-coated aluminum fixture
- Built-in internal driver - bypass external ballast
- Stationary Fa8 power ends insert into single pin lampholder
- 1/2" knockouts on junction box for conduit electrical feed



Luminous Intensity



Dimensions



Ordering Information: CT-D02072FBN

D

02

072

F

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-dimmable

072 - 72W/8 ft

F - Linear Strip

B - Clear
F - Frosted

W - 3500K
C - 4100K
N - 5000K

150W Circular High Bay

Description

Carson's 150W circular 19" LED acrylic high bay delivers 13,000 lumens with illumination performance equal to replacement of 400W metal halide high bay luminaire or 4-lamp high output F54 linear high bay. Compatible with battery backups, the acrylic or industrial high bay can be used in retail stores, gymnasiums, or other applications with high ceilings.

Product #	Watts	Lumens	lm/W
CT-D02150HAN	150	13,077	87.3

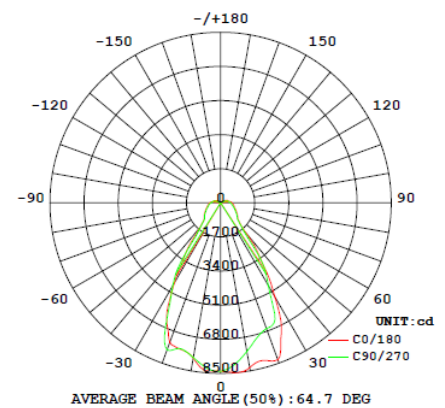
ft	3	6	9	12	15
fc	460	115	51	29	18

Key Features

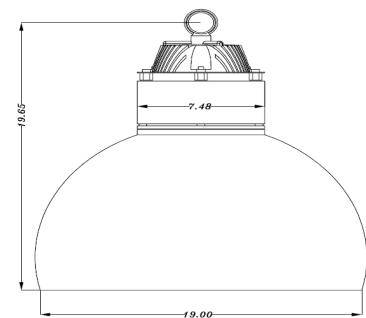
- Uses Cree COB chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- DLC Qualified Product List
- 87 lumens per watt
- Color Rendering Index: 86
- LED quantity: 2 chips
- Input voltage: AC 110V-277V
- Sunon fan pulls rising heat waves
- 0-10V dimmable constant current driver
- Aluminum alloy hook or lock nut adapter for mounting
- UV-stabilized lighting grade prismatic acrylic reflector
- Compressed fin rivets maximizes rising heat flow



Luminous Intensity



Dimensions



Ordering Information: CT-D02150HAN

D	02	150	H	A	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	150 - 150W	H - High Bay	A - Acrylic B - Industrial	N - 5000K

206W Circular High Bay

Description

Carson's 206W circular 19" LED acrylic high bay delivers 17,000 lumens with illumination performance greater than 400W metal halide high bay luminaire or 4-lamp high output F54 linear high bay. Compatible with battery backups, the acrylic or industrial high bay can be used in retail stores, gymnasiums, or other applications with high ceilings.

Product #	Watts	Lumens	lm/W
CT-D02200HAN	206	17,368	84.4

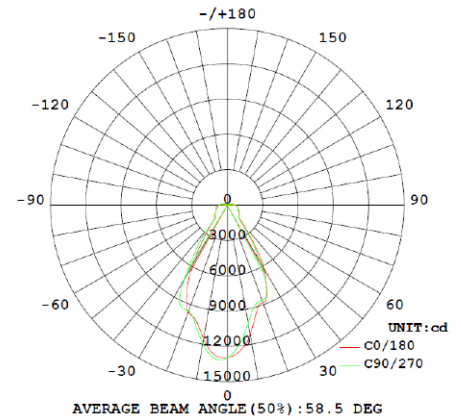
ft	3	6	9	12	15
fc	680	170	76	42	27

Key Features

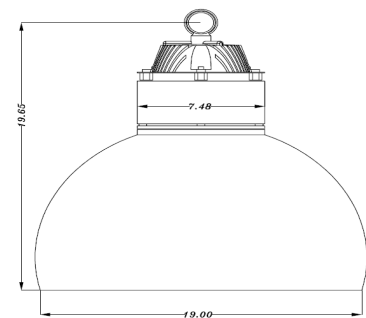
- Uses Cree COB chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- DLC Qualified Product List
- 84 lumens per watt
- Color Rendering Index: 85
- LED quantity: 3 chips
- Input voltage: AC 110V-277V
- Sunon fan pulls rising heat waves
- 0-10V dimmable constant current driver
- Aluminum alloy hook or lock nut adapter for mounting
- UV-stabilized lighting grade prismatic acrylic reflector
- Compressed fin rivets maximizes rising heat flow



Luminous Intensity



Dimensions



Ordering Information: CT-D02200HAN

D	02	200	H	A	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	200 - 206W	H - High Bay	A - Acrylic B - Industrial	N - 5000K

257W Circular High Bay

Description

Carson's 257W circular 19" LED acrylic high bay delivers 24,000 lumens with illumination performance greater than 400W metal halide high bay luminaire or 6-lamp high output F54 linear high bay. Compatible with battery backups, the acrylic or industrial high bay can be used in retail stores, gymnasiums, or other applications with high ceilings.

Product #	Watts	Lumens	lm/W
CT-D02250HAN	257	24,197	94.2

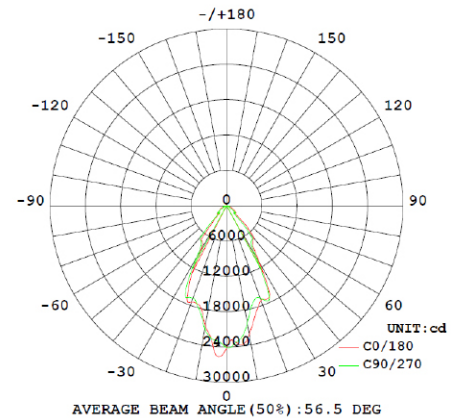
ft	3	6	9	12	15
fc	1365	341	152	85	55

Key Features

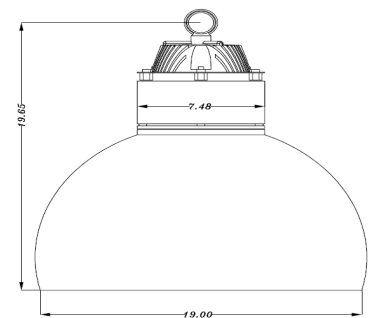
- Uses Cree COB chip
- Uses Meanwell driver
- Rated for 50,000 hours
- 10 year warranty
- 94 lumens per watt
- Power Factor > 0.99
- LED quantity: 4 chips
- Input voltage: AC 110V-277V
- Sunon fan pulls rising heat waves
- 0-10V dimmable constant current driver
- Aluminum alloy hook or lock nut adapter for mounting
- UV-stabilized lighting grade prismatic acrylic reflector
- Compressed fin rivets maximizes rising heat flow
- Cataphoretic paint coating is corrosion resistant



Luminous Intensity



Dimensions



Ordering Information: CT-D02250HAN

D	02	250	H	A	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	250 - 257W	H - High Bay	A - Acrylic B - Industrial	N - 5000K

400W Circular High Bay

Description

Carson's 400W circular 19" LED acrylic high bay delivers 38,000 lumens with illumination performance equal to 1000W metal halide high bay luminaire or 8-lamp high output F54 linear high bay. Compatible with battery backups, the acrylic or industrial high bay can be used in retail stores, gymnasiums, or other applications with high ceilings.

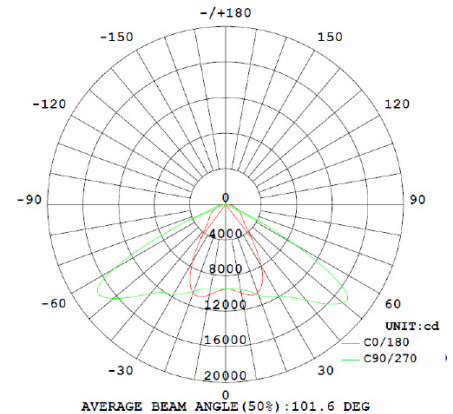
Product #	Watts	Lumens	lm/W
CT-D02400HAN	400	37,680	94.2

Key Features

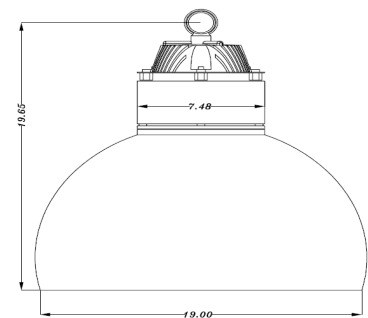
- Uses Cree COB chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- 94 lumens per watt
- Power Factor > 0.99
- LED quantity: 5 chips
- Input voltage: AC 110V-277V
- Sunon fan pulls rising heat waves
- 0-10V dimmable constant current driver
- Aluminum alloy hook or lock nut adapter for mounting
- UV-stabilized lighting grade prismatic acrylic reflector
- Compressed fin rivets maximizes rising heat flow
- Cataphoretic paint coating is corrosion resistant



Luminous Intensity



Dimensions



Ordering Information: CT-D02400HAN

D	02	400	H	A	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	400 - 400W	H - High Bay	A - Acrylic B - Industrial	N - 5000K

Linear T8 High Bay - (4-Lamp)

Description

Carson's 4' linear 71W LED 4-lamp T8 high bay delivers 6,500 lumens with illumination performance equal to replacement of 4-lamp F32 fluorescent high bay. Compatible with battery back-ups or occupancy sensors, the white powder-coated aluminum high bay fixture mounts via jack chains in plants, warehouses, and other applications with high ceilings.

Product #	Watts	Lumens	lm/W
CT-D02072RBN	71	6,528	92.1

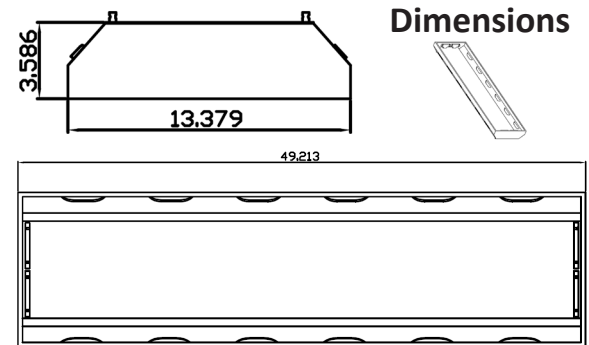
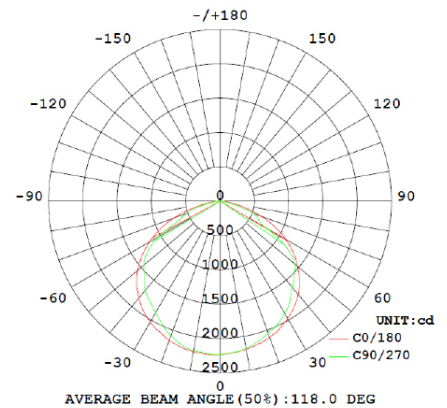
ft	1	5	8	11	14
fc	207	23	8.3	4.2	2.6

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- 92 lumens per watt
- Power factor > .97
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains and hooks
- White powder-coated aluminum fixture
- Single-sided G13 power end inserts into unshunted tombstone
- Built-in internal driver - bypass external ballast
- 1/2" knockouts for conduit electrical feed
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Ordering Information: CT-D02072RBN

D	02	072	R	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	072 - 71W/4-lamp	R - T8 High Bay	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K

Linear T8 High Bay - HO (4-Lamp)

Description

Carson's 4' linear 129W LED 4-lamp T8 high bay delivers 12,000 lumens with illumination performance equal to replacement of 4-lamp F54 fluorescent high bay. Compatible with battery back-ups or occupancy sensors, the white powder-coated aluminum high bay fixture mounts via jack chains in plants, warehouses, and other applications with high ceilings.

130% ROI

Annual Savings of \$92.50

9 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02128RBN	129	11,810	91.1

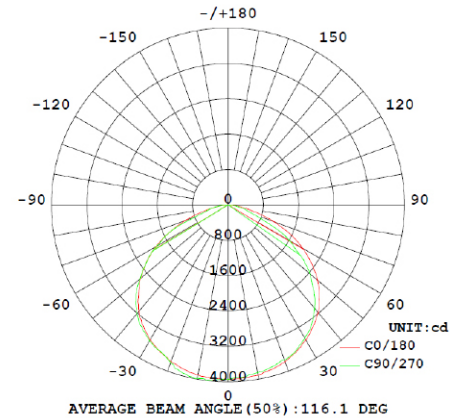
ft	3	6	9	12	15
fc	100	25	11	6.3	4

Key Features

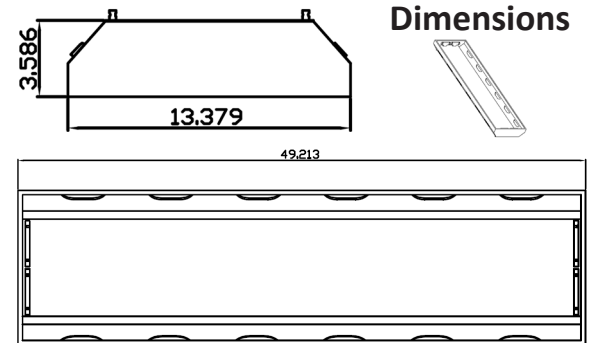
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- 91 lumens per watt
- Power factor > .97
- LED quantity: 768 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains and hooks
- White powder-coated aluminum fixture
- Single-sided G13 power end inserts into unshunted tombstone
- Built-in internal driver - bypass external ballast
- 1/2" knockouts for conduit electrical feed
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Dimensions



Ordering Information: CT-D02128RBN

D

02

128

R

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Dimmable
02 - Non-dimmable

128 - 129W/4-lamp

R - T8 High Bay

B - Clear
F - Frosted

N - 5000K

Linear T8 High Bay - (6-Lamp)

Description

Carson's 4' linear 107W LED 6-lamp T8 high bay delivers 10,000 lumens with illumination performance equal to replacement of 6-lamp F32 fluorescent high bay. Compatible with battery back-ups or occupancy sensors, the white powder-coated aluminum high bay fixture mounts via jack chains in plants, warehouses, and other applications with high ceilings.

Product #	Watts	Lumens	lm/W
CT-D02108RBN	107	10,351	97.0

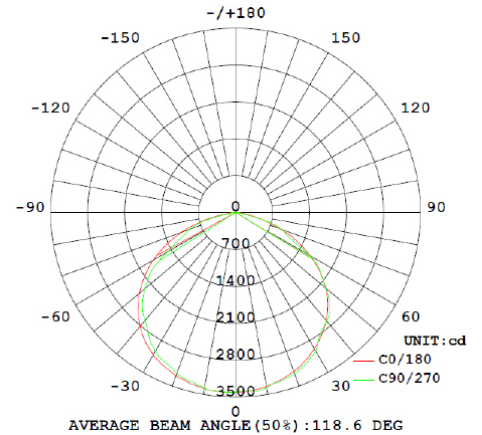
ft	3	6	9	12	15
fc	82	20	9	5.1	3.3

Key Features

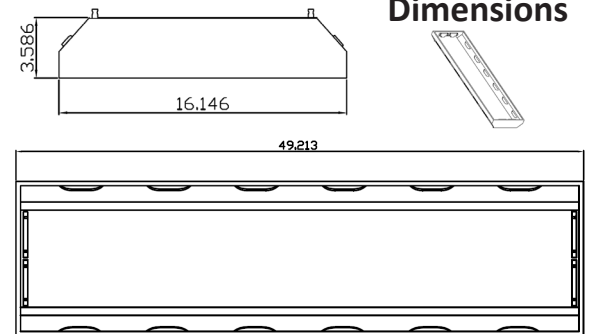
- Uses Epistar SMD2835 chip
- UL listing: E357799
- Rated for 50,000 hours
- 10 year warranty
- 97 lumens per watt
- Power factor > .97
- LED quantity: 576 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains and hooks
- White powder-coated aluminum fixture
- Single-sided G13 power end inserts into unshunted tombstone
- Built-in internal driver - bypass external ballast
- 1/2" knockouts for conduit electrical feed
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Dimensions



Ordering Information: CT-D02108RBN

D	02	108	R	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	108 - 107W/6-lamp	R - T8 High Bay	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K

Linear T8 High Bay - HO (6-Lamp)

Description

Carson's 4' linear 188W LED 6-lamp T8 high bay delivers 17,000 lumens with illumination performance equal to replacement of 6-lamp F54 fluorescent high bay. Compatible with battery back-ups or occupancy sensors, the white powder-coated aluminum high bay fixture mounts via jack chains in plants, warehouses, and other applications with high ceilings.

Product #	Watts	Lumens	lm/W
CT-D02192RBN	188	17,282	91.9

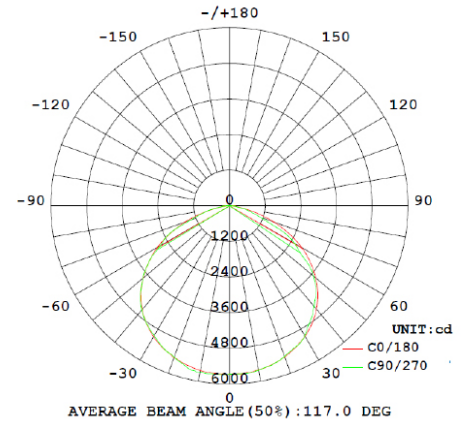
ft	3	6	9	12	15
fc	136	34	15	8.5	5.4

Key Features

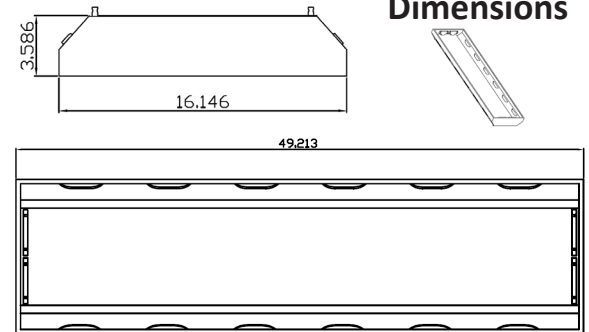
- Uses Epistar SMD2835 chip
- UL listing: E357799
- Rated for 50,000 hours
- 10 year warranty
- 92 lumens per watt
- Power factor > .97
- LED quantity: 1152 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains and hooks
- White powder-coated aluminum fixture
- Single-sided G13 power end inserts into unshunted tombstone
- Built-in internal driver - bypass external ballast
- 1/2" knockouts for conduit electrical feed
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Dimensions



Ordering Information: CT-D02192RBN

D

02

188

R

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Dimmable
02 - Non-dimmable

192 - 188W/6-lamp

R - T8 High Bay

B - Clear
F - Frosted

N - 5000K

2' Vapor Tight - (2-Lamp)

Description

Carson's 2' linear 20W LED 2-lamp vapor tight fixture protects LED T8 tubes from water and dirt. Compatible with battery backups and occupancy sensors, the IP64 rated fixture uses metal clips to fasten clear acrylic lens with fiberglass housing. Ideal to replace F17 fluorescent vapor tights in car washes, refrigeration coolers, parking garages, and tunnels.

170% ROI

Annual Savings of \$17.20

7 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02020VBN	20	1,808	90.4

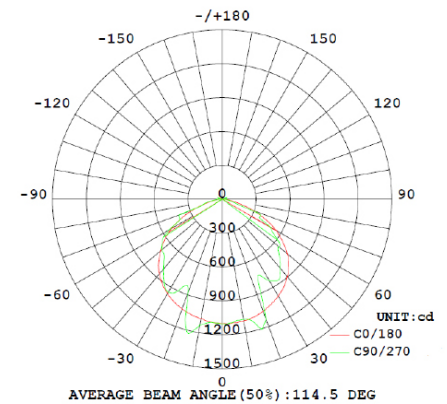
ft	3	6	9	12	15
fc	31	8	3	2	1.2

Key Features

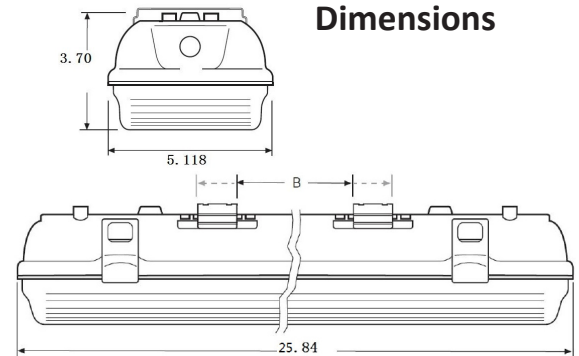
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- Protection class: IP64
- 90 lumens per watt
- LED quantity: 144 chips
- Input voltage: AC 110V-277V
- Flush surface mount
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Dimensions



Ordering Information: CT-D02020VBN

D	02	020	V	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	02 - Non-dimmable	020 - 20W/2 ft	V - Vapor Tight	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K

4' Vapor Tight - (2-Lamp)

Description

Carson's 4' linear 35W LED 2-lamp vapor tight fixture protects LED T8 tubes from water and dirt. Compatible with battery backups and occupancy sensors, the IP64 rated fixture uses stainless steel clips to fasten clear acrylic lens with fiberglass housing. Ideal to replace F32 fluorescent vapor tights in car washes, refrigeration coolers, parking garages, and tunnels.

Product #	Watts	Lumens	lm/W
CT-D02036VBN	35	3,186	90.4

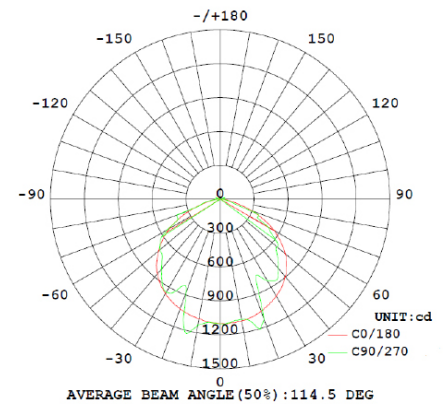
ft	3	6	9	12	15
fc	31	8	3	2	1.2

Key Features

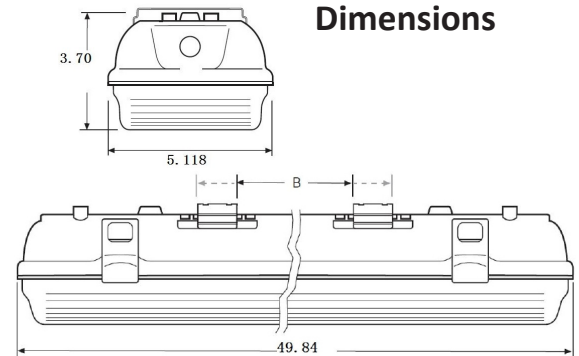
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- Protection class: IP64
- 90 lumens per watt
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Flush surface mount
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Dimensions



Ordering Information: CT-D02036VBN

D

02

036

V

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Dimmable
02 - Non-dimmable

036 - 35W/4 ft

V - Vapor Tight

B - Clear
F - Frosted

W - 3500K
C - 4100K
N - 5000K

4' Vapor Tight - HO (2-Lamp)

Description

Carson's 4' linear 62W LED 2-lamp vapor tight fixture protects LED T8 tubes from water and dirt. Compatible with battery backups or occupancy sensors, the IP64 rated fixture uses stainless steel clips to fasten clear acrylic lens with fiberglass housing. Ideal to replace F54 fluorescent vapor tights in car washes, refrigeration coolers, parking garages, and tunnels.

325% ROI

Annual Savings of \$65.20

4 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02064VBN	62	5,694	91.3

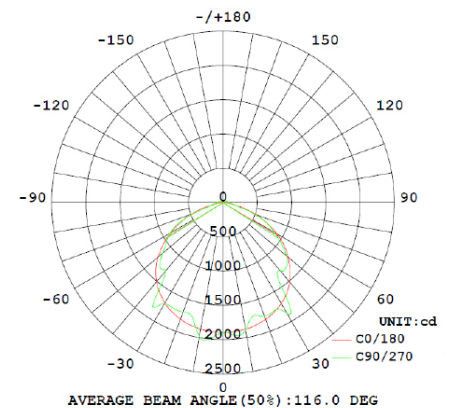
ft	3	6	9	12	15
fc	47	12	5	3	1.9

Key Features

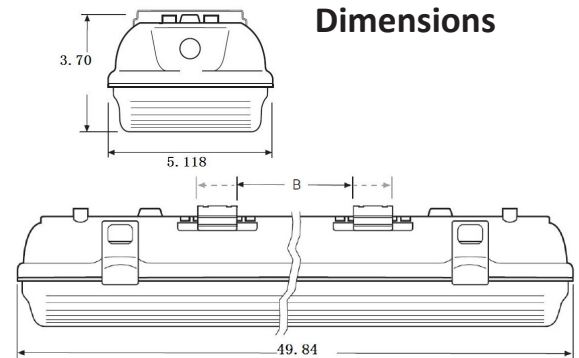
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- Protection class: IP64
- 91 lumens per watt
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Flush surface mount
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Dimensions



Ordering Information: CT-D02064VBN

D	02	064	V	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	064 - 62W/4 ft	V - Vapor Tight	B - Clear F - Frosted	N - 5000K

4' Vapor Tight - (4-Lamp)

Description

Carson's 4' linear 72W LED 4-lamp vapor tight fixture protects LED T8 tubes from water and dirt. Compatible with battery backups or occupancy sensors, the IP64 rated fixture uses stainless steel clips to fasten clear acrylic lens with fiberglass housing. Ideal to replace F32 fluorescent vapor tights in car washes, refrigeration coolers, parking garages, and tunnels.

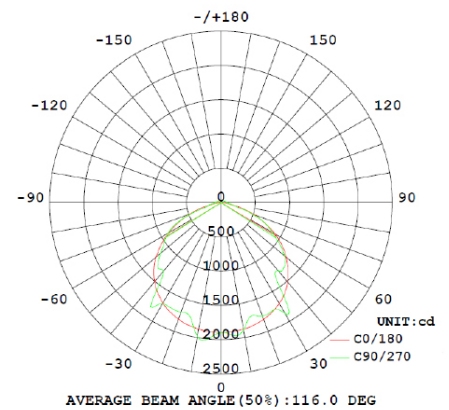
Product #	Watts	Lumens	lm/W
CT-D02472VBN	72	6,336	88.0

Key Features

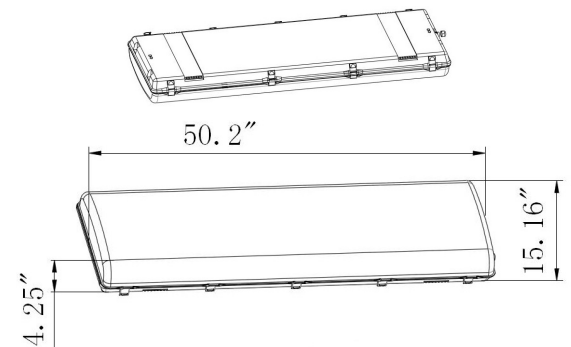
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- Protection class: IP64
- 88 lumens per watt
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Flush surface mount
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Dimensions



Ordering Information: CT-D02472VBN

D

02

472

V

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Dimmable
02 - Non-dimmable

472 - 72W/4 ft

V - Vapor Tight

B - Clear
F - Frosted

W - 3500K
C - 4100K
N - 5000K

4' Vapor Tight - (6-Lamp)

Description

Carson's 4' linear 105W LED 6-lamp vapor tight fixture protects LED T8 tubes from water and dirt. Compatible with battery backups or occupancy sensors, the IP64 rated fixture uses stainless steel clips to fasten clear acrylic lens with fiberglass housing. Ideal to replace F32 fluorescent vapor tights in car washes, refrigeration coolers, parking garages, and tunnels.

Product #	Watts	Lumens	lm/W
CT-D02108VBN	105	9,230	88.1

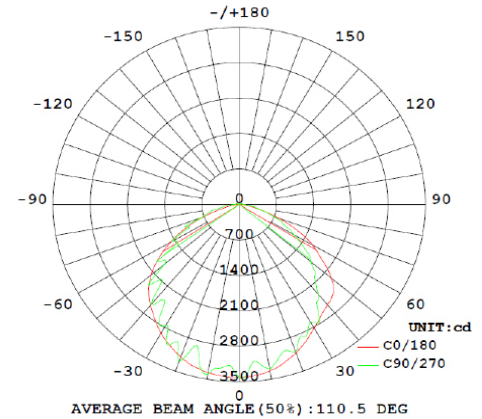
ft	3	6	9	12	15
fc	98	24	11	6	4

Key Features

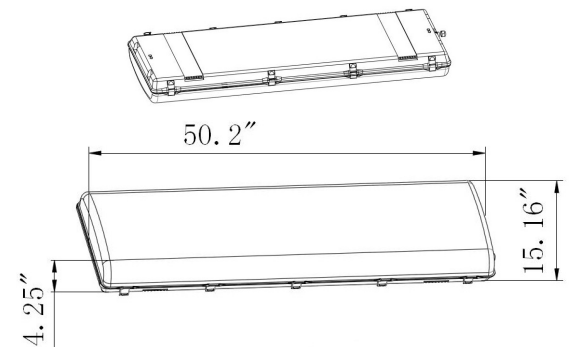
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- Protection class: IP64
- 88 lumens per watt
- LED quantity: 576 chips
- Input voltage: AC 110V-277V
- Flush surface mount
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Dimensions



Ordering Information: CT-D02108VBN

D	02	108	V	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	108 - 105W/4 ft	V - Vapor Tight	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K

8' Vapor Tight - (4-Lamp)

Description

Carson's 8' linear 72W LED 4-lamp vapor tight fixture protects LED T8 tubes from water and dirt. Compatible with battery backups or occupancy sensors, the IP64 rated fixture uses stainless steel clips to fasten clear acrylic lens with fiberglass housing. Ideal to replace F32 fluorescent vapor tights in car washes, refrigeration coolers, parking garages, and tunnels.

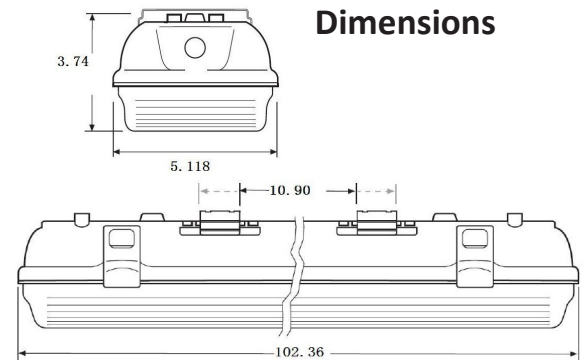
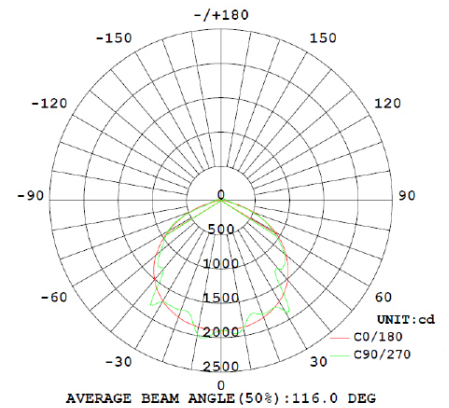
Product #	Watts	Lumens	lm/W
CT-D02072VBN	72	6,343	88.1

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- Protection class: IP64
- 88 lumens per watt
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Flush surface mount
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Dimensions

Ordering Information: CT-D02072VBN

D

02

072

V

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Dimmable
02 - Non-dimmable

072 - 72W/8 ft

V - Vapor Tight

B - Clear
F - Frosted

W - 3500K
C - 4100K
N - 5000K

8' Vapor Tight - HO (4-Lamp)

Description

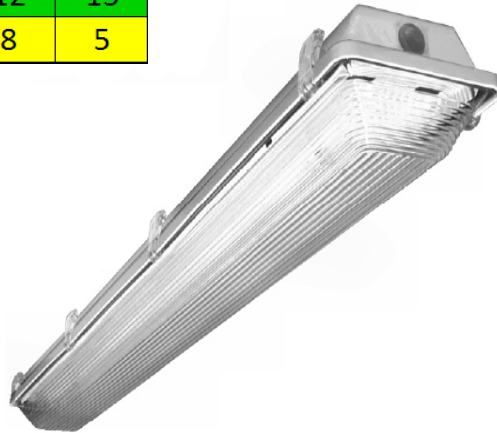
Carson's 8' linear 128W LED 4-lamp vapor tight fixture protects LED T8 tubes from water and dirt. Compatible with battery backups or occupancy sensors, the IP64 rated fixture uses stainless steel clips to fasten clear acrylic lens with fiberglass housing. Ideal to replace F54 fluorescent vapor tights in car washes, refrigeration coolers, parking garages, and tunnels.

Product #	Watts	Lumens	lm/W
CT-D02128VBN	128	11,277	88.1

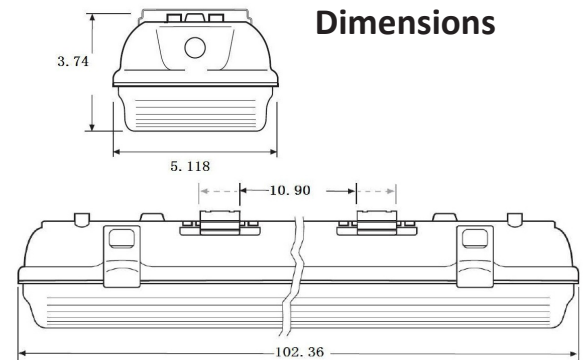
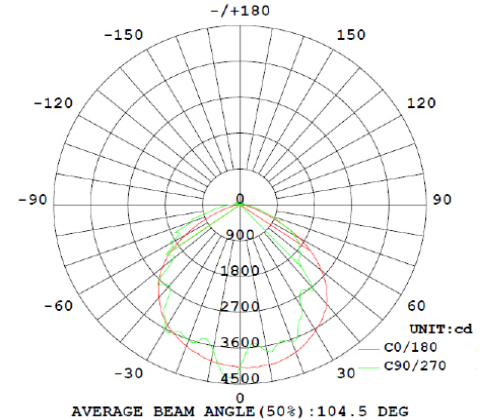
ft	3	6	9	12	15
fc	125	31	14	8	5

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- Protection class: IP64
- 88 lumens per watt
- LED quantity: 768 chips
- Input voltage: AC 110V-277V
- Flush surface mount
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Compatible with occupancy sensor and battery backup



Luminous Intensity



Ordering Information: CT-D02128VBN

D	02	128	V	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - Dimmable 02 - Non-dimmable	128 - 128W/8 ft	V - Vapor Tight	B - Clear F - Frosted	N - 5000K

15W Wall Pack

Description

Carson's 15W LED wall pack reduces energy consumption by 75% when comparing to 70W HPS wall pack fixtures. Compatible with photocell sensor, the weather resistant die-cast aluminum housing has a black finish. Surface mount via junction box with top or side electrical conduit access for applications such as building facades.

140% ROI

Annual Savings of \$57.80

8 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02015WPN	15	1,440	97.3

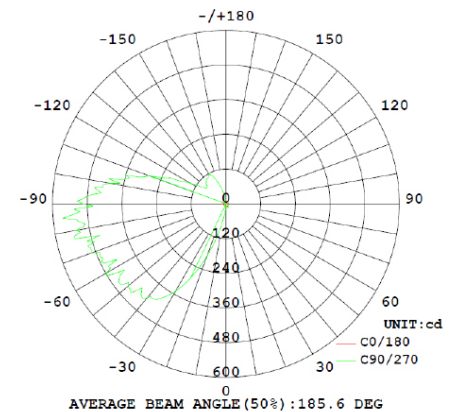
ft	3	6	9	12	15
fc	5	1.3	0.6	0.3	0.2

Key Features

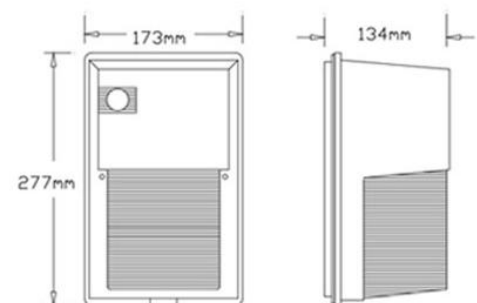
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E480440
- 97 lumens per watt
- Input voltage: AC 110V-277V
- LED quantity: 15 chips
- Black die-cast aluminum housing
- Chip placement minimizes overlap and maximizes beam spread
- Driver and cooling fin placement allows back side access
- Surface mount with top or side access for conduit electrical feed
- Silicone gasketing seals lens to withstand weather conditions
- Corrosion resistant and electro-coat finish
- Photocell sensor add-on available



Luminous Intensity



Dimensions



Ordering Information: CT-D02015WPN

D

02

015

W

P

N

Chip

Photocell

Watts/Size

Series

Type

Color

D - DC

01- Photocell
02- No Sensor

015 - 15W

W - Wall Pack

P - Lexan

W - 3000K
N - 5000K

48W Wall Pack

Description

Carson's 48W LED wall pack reduces energy consumption by 60% when compared to traditional 150W HPS fixtures. The wet location, die-cast aluminum housing has a dark bronze finish. Surface mount with top or side electrical conduit access for applications such as building facades. Options include 0-10V dimmable driver or full cut off shield.

Product #	Watts	Lumens	lm/W
CT-D02050WPN	48	4,958	103.2

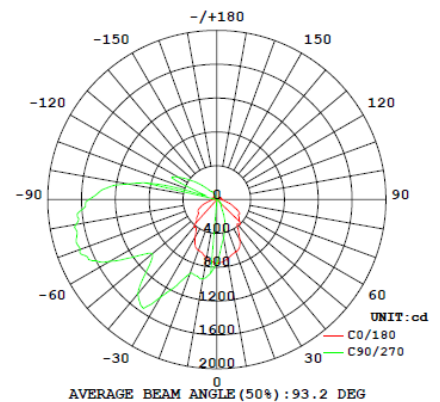
ft	3	6	9	12	15
fc	31	8	3	2	1

Key Features

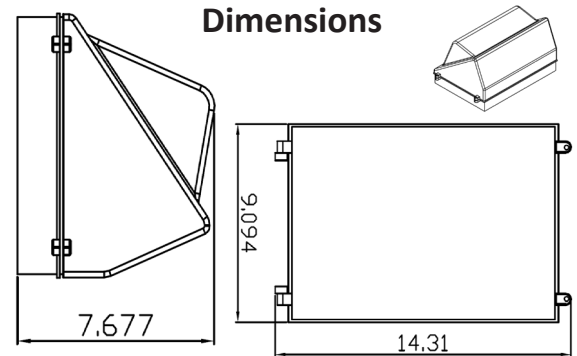
- Uses 2 Cree COB chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- DLC Qualified Product List
- 103 lumens per watt
- Input voltage: AC 110V-277V
- Bronze die-cast aluminum housing
- Surface mount with top or side access for conduit electrical feed
- Driver and cooling fin placement allows back side access
- Silicone gasketing seals lens (suitable for wet locations)
- Corrosion resistant full cut off shield add-on
- 0-10V dimmable option (Title 24 compliant)



Luminous Intensity



Dimensions



Ordering Information: CT-D02050WPN

D	02	050	W	P	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - 0-10V dimmable 02 - non-dimmable 03 - 480V	050 - 48W	W - Wall Pack	P - Glass lens F - Full Cutoff	N - 5000K

87W Wall Pack

Description

Carson's 87W LED wall pack reduces energy consumption by 60% when compared to traditional 250W HPS fixtures. The wet location, die-cast aluminum housing has a dark bronze finish. Surface mount with top or side electrical conduit access for applications such as building facades. Options include 0-10V dimmable driver or full cut off shield.

420% ROI

Annual Savings of \$168.20

3 month payback

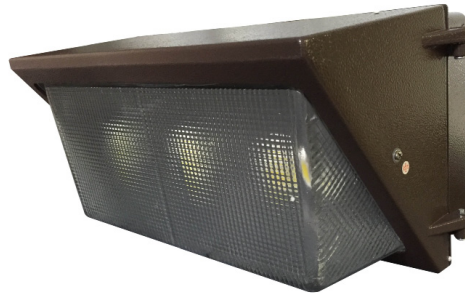
Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02090WPN	87	8,731	100.9

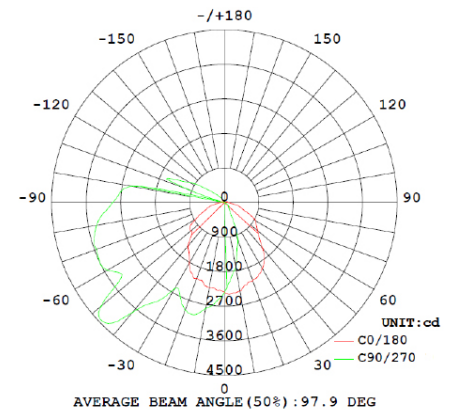
ft	3	6	9	12	15
fc	89	22	10	5.5	3.5

Key Features

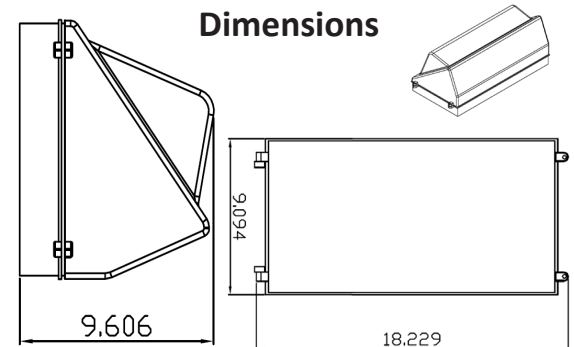
- Uses 3 Cree COB chips
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- DLC Qualified Product List
- 101 lumens per watt
- Color Rendering Index: 83
- Input voltage: AC 110V-277V
- Bronze die-cast aluminum housing
- Surface mount with top or side access for conduit electrical feed
- Driver and cooling fin placement allows back side access
- Silicone gasketing seals lens (suitable for wet locations)
- Corrosion resistant full cut off shield add-on
- 0-10V dimmable option (Title 24 compliant)



Luminous Intensity



Dimensions



Ordering Information: CT-D02090WPN

D

02

090

W

P

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - 0-10V dimmable
02 - non-dimmable
03 - 480V

090 - 87W

W - Wall Pack

P - Glass lens
F - Full Cutoff

N - 5000K

33W Canopy

Description

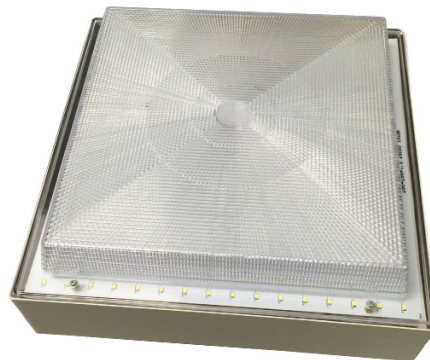
Carson's 33W 12" x 12" LED canopy light tube emits 2,500 lumens and saves 55% in energy costs when compared to 70W metal halide fixtures. Available in natural white color temperature, the beige powder-coated die-cast aluminum fixture has side access for 1/2" electrical conduit. Ideal for underpasses, walkways, and under canopies.

Product #	Watts	Lumens	lm/W
CT-D02032CPN	33	2,534	76.5

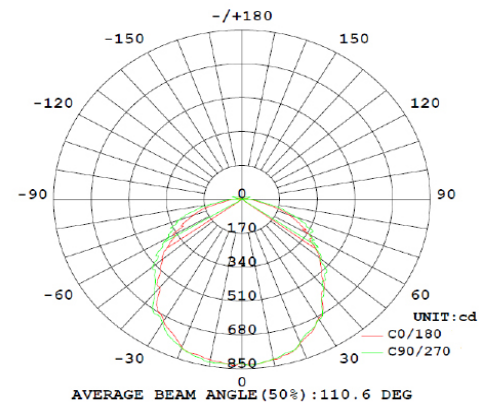
ft	3	6	9	12	15
fc	25	6.4	2.9	1.6	1

Key Features

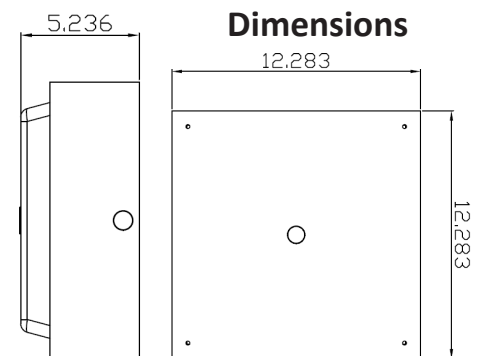
- Uses Epistar SMD2835 chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- Pending UL listing
- Protection class: IP65
- 76 lumens per watt
- Power factor > .96
- LED quantity: 196 chips
- Input voltage: AC 110V-277V
- Acrylic prismatic reflector lens
- Beige powder-coated die-cast aluminum housing
- Surface mount with side access for 1/2" electrical feed
- Lightweight aluminum heat sink inside housing



Luminous Intensity



Dimensions



Ordering Information: CT-D02032CPN

D

02

032

C

P

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-dimmable

032 - 33W

C - Canopy

P - Acrylic

W - 3500K
N - 5000K

130W Canopy

Description

Carson's 130W 2' x 2' LED canopy light tube emits 14,000 lumens and saves 60% in energy costs when compared to 320W metal halide fixtures. Available in natural white color temperature, the white powder-coated die-cast aluminum fixture is low profile with easy access installation. Ideal for under canopy gas stations.

250% ROI

Annual Savings of \$199.70

5 month payback

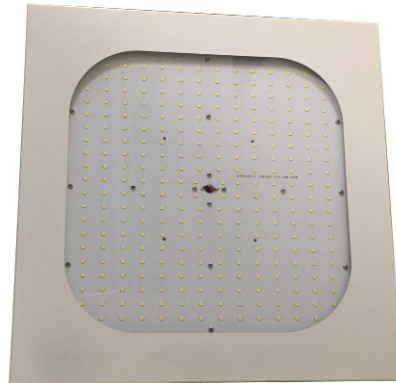
Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02130CPN	130	13,793	106.1

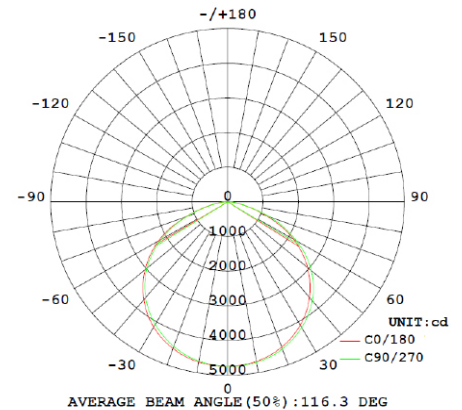
ft	3	6	9	12	15
fc	117	29	13	7.3	4.6

Key Features

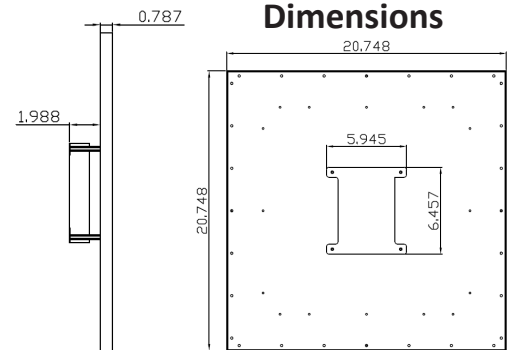
- Uses Epistar SMD2835 chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- Pending UL listing
- Protection class: IP65
- 106 lumens per watt
- Power factor > .99
- LED quantity: 276 chips
- Input voltage: AC 110V-277V
- Designed to retrofit into existing Scottsdale canopy holes
- White powder-coated die-cast aluminum housing
- Clear tempered glass lens
- Lightweight aluminum heat sink absorbs heat



Luminous Intensity



Dimensions



Ordering Information: CT-D02130CPN

D

02

130

C

P

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-dimmable

130 - 130W

C - Canopy

P - Glass

N - 5000K

49W Flood Light

Description

Carson's 49W LED flood light saves 50% in energy costs when compared to traditional 100W metal halide fixtures. The weather resistant, die-cast aluminum housing has integral heat sink fins to optimize convective and conductive thermal management. Trunnion arm mounts to building facade in commercial and industrial areas.

260% ROI

Annual Savings of \$52.60

5 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D01050FDN	49	4,244	86.6

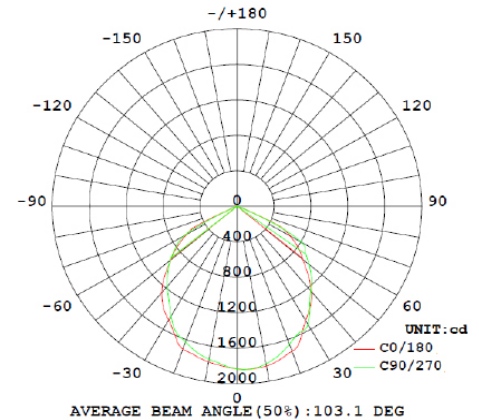
ft	3	6	9	12	15
fc	61	15	6.8	3.8	2.5

Key Features

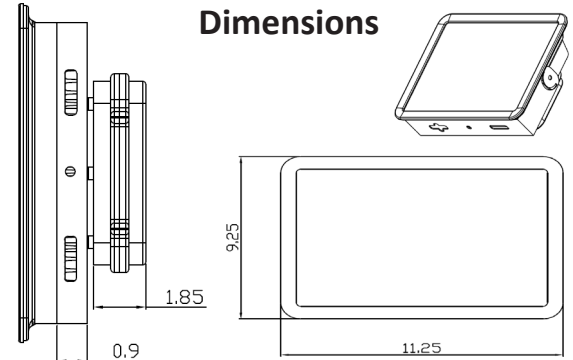
- Uses 1 COB Cree chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- IP rating: IP65
- 86 lumens per watt
- Power Factor > 0.99
- Input voltage: AC 110V-277V
- Trunnion mount attachment
- Rugged die-cast aluminum housing with bronze finish
- Corrosion and weather resistant powder coat finish
- Silicone gasketing seals lens to withstand weather conditions
- 1/2" knockout on junction box for conduit electrical feed
- Vented housing isolates LED module from driver



Luminous Intensity



Dimensions



Ordering Information: CT-D01050FDN

D

01

050

F

D

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Yoke

50 - 49W

F - Flood

D - Glass

N - 5000K

118W Flood Light

Description

Carson's 118W LED flood light saves 50% in energy costs when compared to traditional 250W metal halide fixtures. The weather resistant, die-cast aluminum housing has integral heat sink fins to optimize convective and conductive thermal management. Trunnion arm mounts to building facade in commercial and industrial areas.

195% ROI

Annual Savings of \$136.70

6 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D01120FDN	118	9,748	82.7

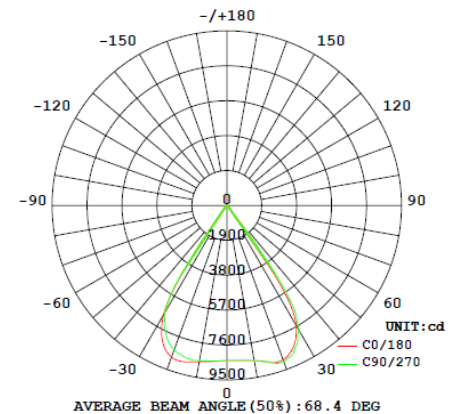
ft	3	6	9	12	15
fc	550	138	61	34	22

Key Features

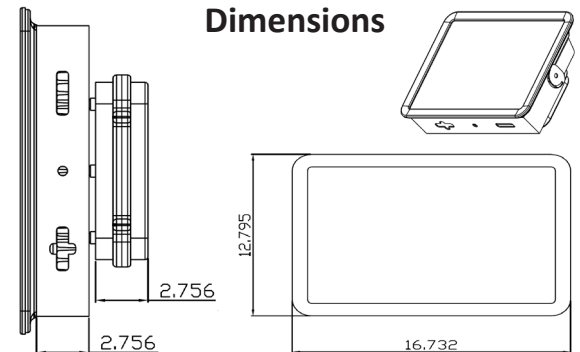
- Uses 2 COB Cree chips
- Uses Meanwell driver
- UL listing: E476588
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- 82 lumens per watt
- Power Factor > 0.99
- Input voltage: AC 110V-277V
- Trunnion mount attachment
- Rugged die-cast aluminum housing with gray finish
- Corrosion and weather resistant powder coat finish
- Silicone gasketing seals lens to withstand weather conditions
- Vented housing isolates LED module from driver



Luminous Intensity



Dimensions



Ordering Information: CT-D01120FDN

D

01

120

F

D

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Gray

120 - 118W

F - Flood

D - Glass

N - 5000K

200W Flood Light

Description

Carson's 200W LED flood light saves 50% in energy costs when compared to traditional 400W metal halide fixtures. The weather resistant, die-cast aluminum housing has integral heat sink fins to optimize convective and conductive thermal management. Trunnion arm mounts to building facade in commercial and industrial areas.

210% ROI

Annual Savings of \$210.20

6 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D01200FDN	200	16,691	83.8

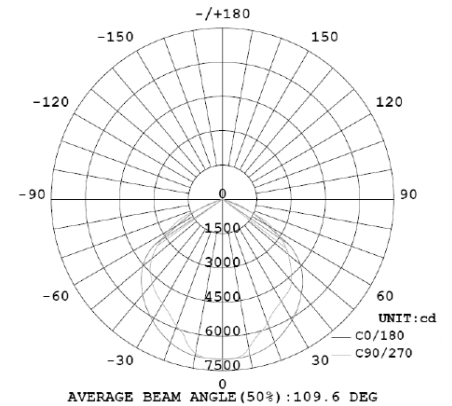
ft	3	6	9	12	15
fc	196	49	22	12	8

Key Features

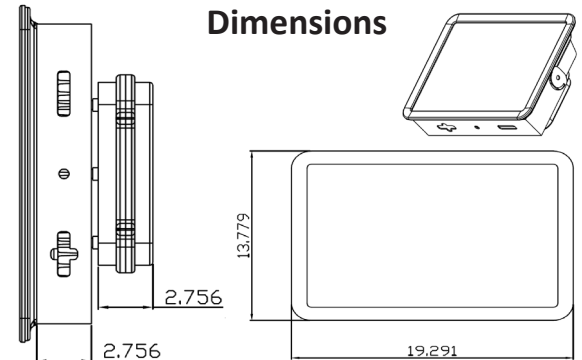
- Uses 4 COB Cree chips
- Uses Meanwell driver
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- 83 lumens per watt
- Power Factor > 0.99
- Input voltage: AC 110V-277V
- Trunnion mount attachment
- Rugged die-cast aluminum housing with gray or bronze finish
- Corrosion and weather resistant powder coat finish
- Silicone gasketing seals lens to withstand weather conditions
- 1/2" knockout on junction box for conduit electrical feed
- Vented housing isolates LED module from driver



Luminous Intensity



Dimensions



Ordering Information: CT-D01200FDN

D	01	200	F	D	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01- Gray 02- Bronze	200 - 200W	F - Flood	D - Glass	W - 3500K N - 5000K

252W Flood Light

Description

Carson's 252W LED flood light saves 40% in energy costs when compared to traditional 400W metal halide fixtures. The weather resistant, die-cast aluminum housing has integral heat sink fins to optimize convective and conductive thermal management. Trunnion arm mounts to building facade in commercial and industrial areas.

110% ROI

Annual Savings of \$157.70

11 month payback

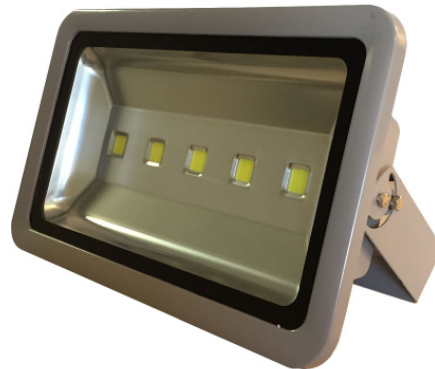
Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D01250FDN	252	20,220	80.3

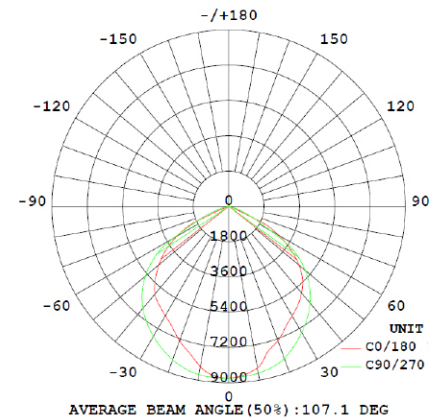
ft	3	6	9	12	15
fc	253	63	28	16	10

Key Features

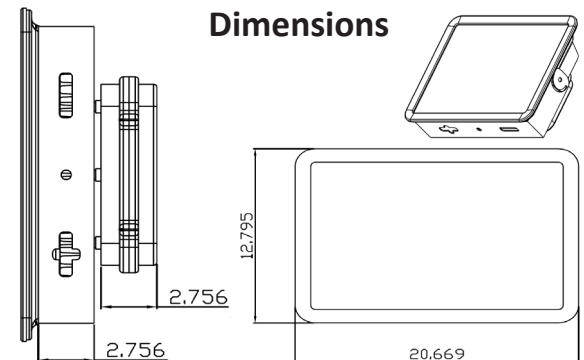
- Uses 5 COB Cree chips
- Uses Meanwell driver
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- 80 lumens per watt
- Power Factor > 0.99
- Input voltage: AC 110V-277V
- Trunnion mount attachment
- Rugged die-cast aluminum housing with gray finish
- Corrosion and weather resistant powder coat finish
- Silicone gasketing seals lens to withstand weather conditions
- 1/2" knockout on junction box for conduit electrical feed
- Vented housing isolates LED module from driver



Luminous Intensity



Dimensions



Ordering Information: CT-D01250FDN

D

01

250

F

D

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - Yoke

250 - 252W

F - Flood

D - Glass

N - 5000K

141W Shoe Box

Description

Carson's 141W LED shoe box illumination performance is equal to 400W high pressure sodium fixtures at 30 to 40 feet mounting height. Our metal-core circuit board and aluminum heat sink design maximize thermal efficiency in an enclosed fixture. An arm or knuckle mounts to parking lot poles, or trunnion mounts to building facades.

375% ROI

Annual Savings of \$262.80

3 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02150SAN	141	13,359	94.7

ft	3	6	9	12	15
fc	102	26	11	6.4	4

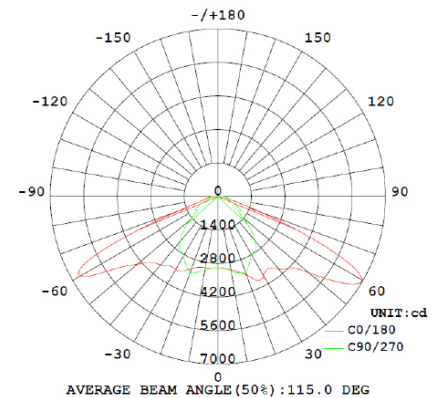
Key Features

- Uses Cree XTE chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- IP rating: IP65
- DLC Qualified Product List
- Color Rendering Index: 74
- LED quantity: 66 chips
- Input voltage: AC 110V-277V
- Arm, knuckle, or trunnion mount
- Architectural UV resistant dark bronze powder coat finish
- Metal-core PCB and aluminum heat sink minimizes internal heat
- Die-cast aluminum housing with back plate

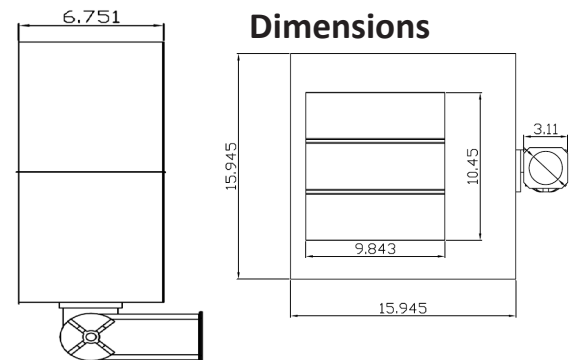
Arm Mount



Luminous Intensity



Dimensions



Ordering Information: CT-D02150SAN

D	02	150	S	A	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - 0-10V dimmable 02 - non-dimmable 03 - 480V	150 - 141W	S - Shoe Box	B - Knuckle A - Arm P - Trunnion	N - 5000K

199W Shoe Box

Description

Carson's 199W LED shoe box illumination performance is greater than 400W high pressure sodium fixtures at 30 to 40 feet mounting height. Our metal-core circuit board and aluminum heat sink design maximize thermal efficiency in an enclosed fixture. An arm or knuckle mounts to parking lot poles, or trunnion mounts to building facades.

200% ROI

Annual Savings of \$210.20

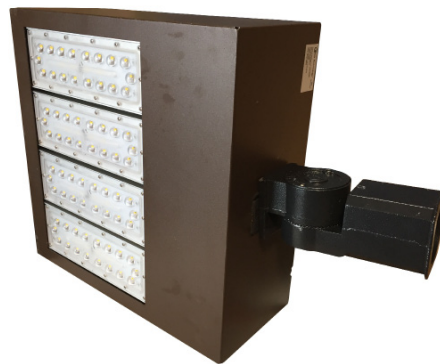
6 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02200SBN	199	17,951	94.7

ft	3	6	9	12	15
fc	154	39	17	9.6	6.2

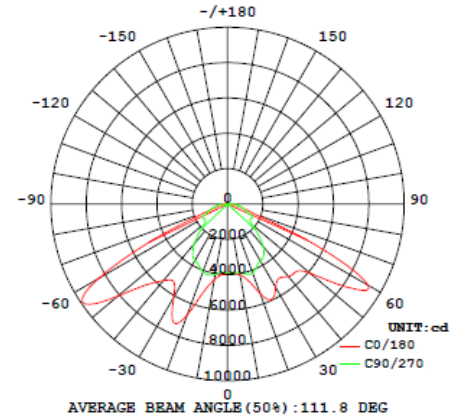
Knuckle Mount



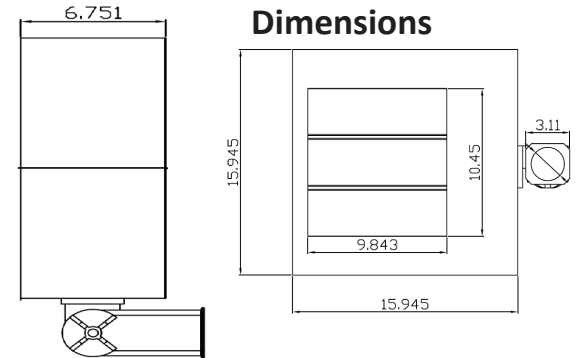
Key Features

- Uses Cree XTE chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- IP rating: IP65
- DLC Qualified Product List
- Color Rendering Index: 74
- LED quantity: 88 chips
- Input voltage: AC 110V-277V
- Arm, knuckle, or trunnion mount
- Architectural UV resistant dark bronze powder coat finish
- Metal-core PCB and aluminum heat sink minimizes internal heat
- Die-cast aluminum housing with back plate

Luminous Intensity



Dimensions



Ordering Information: CT-D02200SBN

D

02

200

S

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01 - 0-10V dimmable
02 - non-dimmable
03 - 480V

200 - 199W

S - Shoe Box

B - Knuckle
A - Arm
P - Trunnion

N - 5000K

243W Shoe Box

Description

Carson's 243W LED shoe box illumination performance is greater than 400W high pressure sodium fixtures at 30 to 40 feet mounting height. Our metal-core circuit board and aluminum heat sink design maximize thermal efficiency in an enclosed fixture. An arm or knuckle mounts to parking lot poles, or trunnion mounts to building facades.

Product #	Watts	Lumens	lm/W
CT-D02250SPN	243	18,147	74.7

ft	3	6	9	12	15
fc	206	52	23	13	8

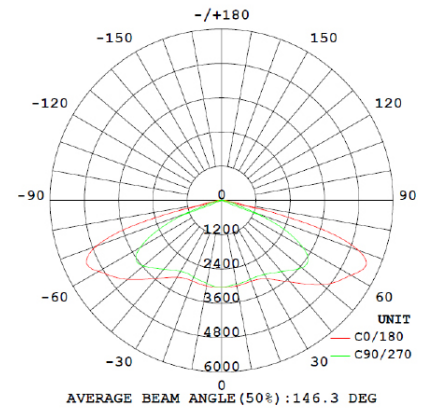
Trunnion Mount



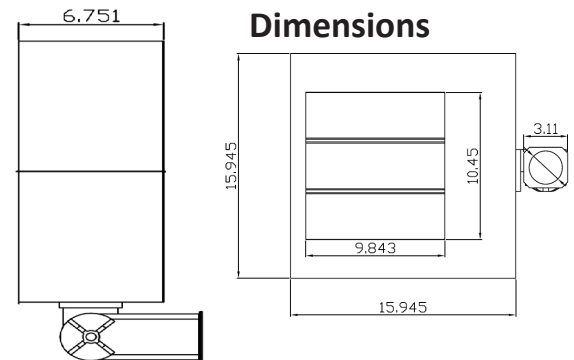
Key Features

- Uses Cree XTE chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- IP rating: IP65
- 74 lumens per watt
- Power Factor > 0.99
- LED quantity: 110 chips
- Input voltage: AC 110V-277V
- Arm, knuckle, or trunnion mount
- Architectural UV resistant dark bronze powder coat finish
- Metal-core PCB and aluminum heat sink minimizes internal heat
- Die-cast aluminum housing with back plate
- 1/2" knockout for conduit electrical feed

Luminous Intensity



Dimensions



Ordering Information: CT-D02250SRN

D	02	250	S	P	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	01 - 0-10V dimmable 02 - non-dimmable 03 - 480V	250 - 243W	S - Shoe Box	B - Knuckle A - Arm P - Trunnion	N - 5000K

99W Street Light

Description

Carson's 99W LED thin profile street lights emit 11,000 lumens with illumination performance is equal to 250W high pressure sodium fixtures at 30 to 40 feet mounting height. An innovative pole fitter not only has horizontal and vertical installation options, but also has adjustable function for each installation direction.

105% ROI

Annual Savings of \$157.70

12 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02100STN	99	10,834	109.1

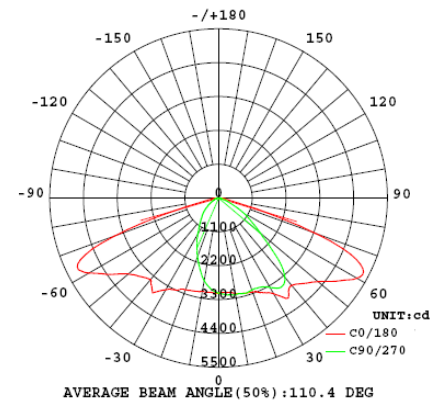
ft	3	6	9	12	15
fc	186	47	21	12	7.4

Key Features

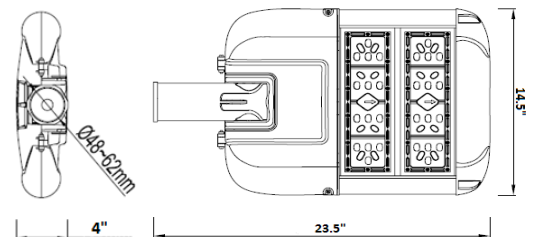
- Uses Phillips Luxeon chip
- Uses Meanwell driver
- UL listing: E468128
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- DLC Qualified Product List
- 109 lumens per watt
- LED quantity: 28 chips
- Input voltage: AC 110V-277V
- Photocell sensor add-on available
- Pole fitter with horizontal or vertical installation
- Metal-core PCB and aluminum heat sink minimizes internal heat
- Architectural UV resistant black powder coat finish



Luminous Intensity



Dimensions



Ordering Information: CT-D02100STN

D

02

100

S

T

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01- Photocell
02- No Sensor

100 - 99W

S - Street Light

T - Pole Fitter

N - 5000K

153W Street Light

Description

Carson's 153W LED thin profile street lights emit 16,000 lumens with illumination performance is equal to 400W high pressure sodium fixtures at 30 to 40 feet mounting height. An innovative pole fitter not only has horizontal and vertical installation options, but also has adjustable function for each installation direction.

150% ROI

Annual Savings of \$262.80

18 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02150STN	153	16,339	106.4

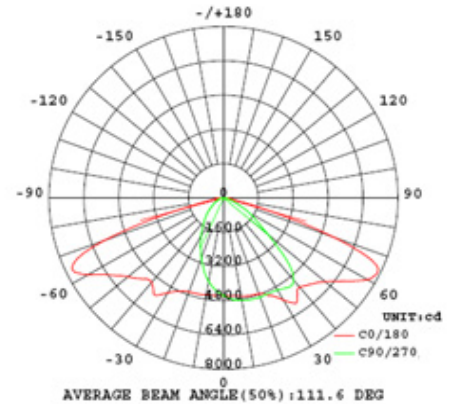
ft	3	6	9	12	15
fc	297	74	33	19	12

Key Features

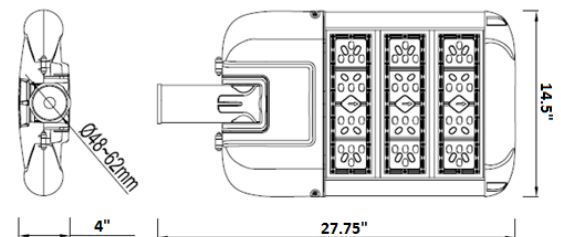
- Uses Phillips Luxeon chip
- Uses Meanwell driver
- UL listing: E468128
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- DLC Qualified Product List
- 106 lumens per watt
- LED quantity: 42 chips
- Input voltage: AC 110V-277V
- Photocell sensor add-on available
- Pole fitter with horizontal or vertical installation
- Metal-core PCB and aluminum heat sink minimizes internal heat
- Architectural UV resistant black powder coat finish



Luminous Intensity



Dimensions



Ordering Information: CT-D02150STN

D

02

150

S

T

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01- Photocell
02- No Sensor

150 - 153W

S - Street Light

T - Pole Fitter

N - 5000K

180W Street Light

Description

Carson's 180W LED thin profile street lights emit 19,000 lumens with illumination performance is equal to 400W high pressure sodium fixtures at 30 to 40 feet mounting height. An innovative pole fitter not only has horizontal and vertical installation options, but also has adjustable function for each installation direction.

135% ROI

Annual Savings of \$231.30

9 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02180STN	180	19,368	107.6

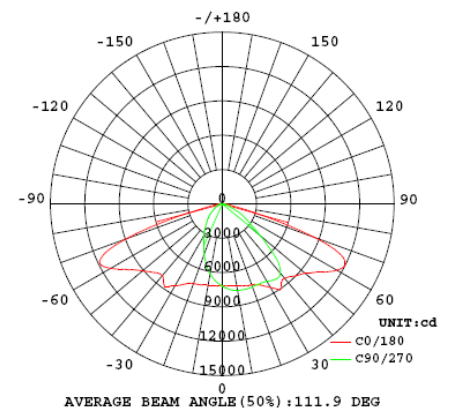
ft	3	6	9	12	15
fc	467	117	52	29	19

Key Features

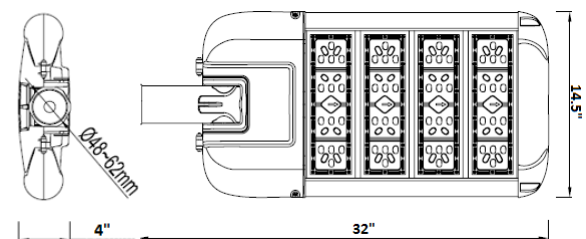
- Uses Phillips Luxeon chip
- Uses Meanwell driver
- UL listing: E468128
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- DLC Qualified Product List
- 107 lumens per watt
- LED quantity: 56 chips
- Input voltage: AC 110V-277V
- Photocell sensor add-on available
- Pole fitter with horizontal or vertical installation
- Metal-core PCB and aluminum heat sink minimizes internal heat
- Architectural UV resistant black powder coat finish



Luminous Intensity



Dimensions



Ordering Information: CT-D02180STN

D

02

180

S

T

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

01- Photocell
02- No Sensor

180 - 180W

S - Street Light

T - Pole Fitter

N - 5000K

368W Street Light

Description

Carson's 368W LED thin profile street light illumination performance is equal to 1000W high pressure sodium fixtures at 30 to 40 feet mounting height. The metal-core circuit board and aluminum heat sink design maximizes thermal efficiency in an open fixture. An arm or knuckle mounts to parking lot poles, or trunnion mounts to building facades.

Product #	Watts	Lumens	lm/W
CT-D02400STN	368	32,394	88.0

Key Features

- Uses **Cree** SMD2835 chip
- Uses Carson driver
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- 88 lumens per watt
- Power factor > .98
- LED quantity: 90 chips
- Input voltage: AC 110V-277V
- Arm, knuckle, or trunnion mount
- Architectural UV resistant white powder coat finish
- Metal-core PCB and aluminum heat sink minimizes internal heat
- Vented housing isolates LED module from driver
- 1/2" knockout for conduit electrical feed



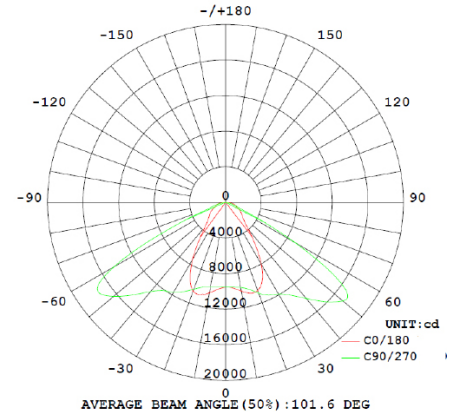
260% ROI

Annual Savings of \$788.40

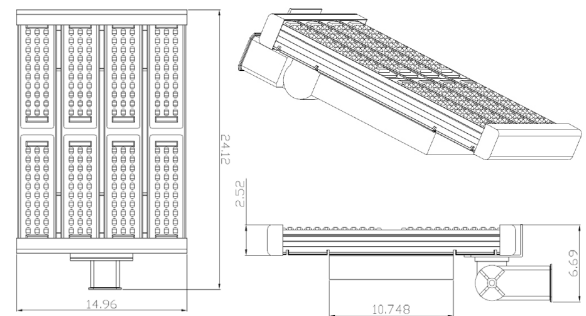
5 month payback

Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity



Dimensions



Ordering Information: CT-D02400STN

D	02	400	S	T	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	02 - Non-dimmable	400 - 368W	S - Street Light	T - Thin Profile	N - 5000K

12V Truck Light

Description

Carson's 20W LED 12V light delivers 2,000 lumens and uses 12V powered by external battery supply. Only available in natural white color temperature, the white powder-coated aluminum fixture has a clear or frosted lens option. The surface mount fixture is ideal for the interior or exterior of food trucks, RVs or mobile homes.

Product #	Watts	Lumens	lm/W
CT-D02020BFN	20	2,034	101.8

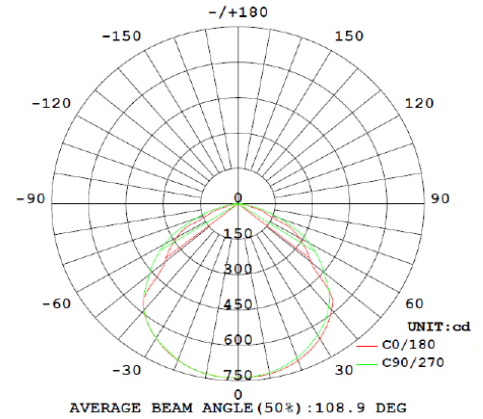
ft	3	6	9	12	15
fc	21	5.3	2.4	1.3	0.9

Key Features

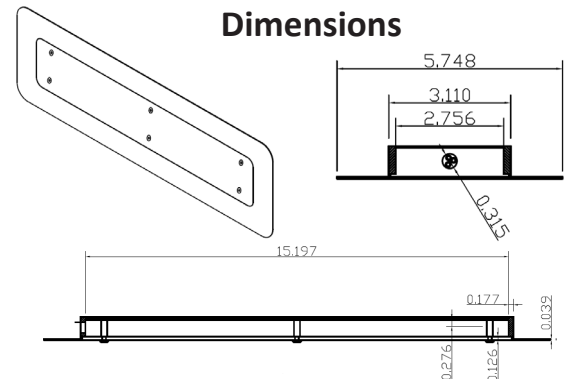
- Uses Epistar SMD2835 chip
- Driver free
- Rated for 50,000 hours
- 10 year warranty
- Protection class: IP64
- 101 lumens per watt
- LED quantity: 16 chips
- Input voltage: DC 12V
- Flush surface mount
- Clear or frosted polycarbonate lens
- White powder-coated aluminum fixture
- Die-cast aluminum heat sink minimizes internal heat
- Acrylic lens maximize lumen output
- Maintains 40°C exterior surface temperature



Luminous Intensity



Dimensions



Ordering Information: CT-D02020BFN

D	02	020	B	F	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	02 - Non-dimmable	020 - 020W	B - Truck Light	B - Clear F - Frosted	N - 5000K

Emergency Battery

Description

Carson's emergency battery backup is compatible with LED tubes and fixtures. When AC power fails, the battery backup immediately switches to emergency mode while operating the LEDs at 100% of lumen output for at least 90 minutes. When AC power is restored, the battery backup returns to charging mode.



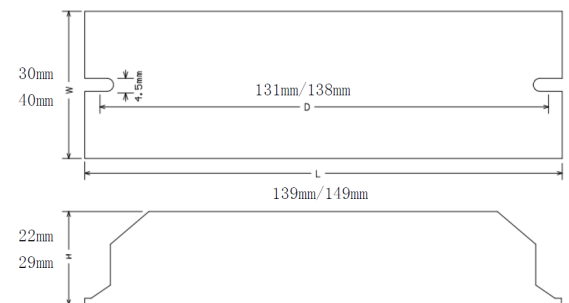
Product #	Supports	Lumens
CT-020EB	20W	100%

Key Features

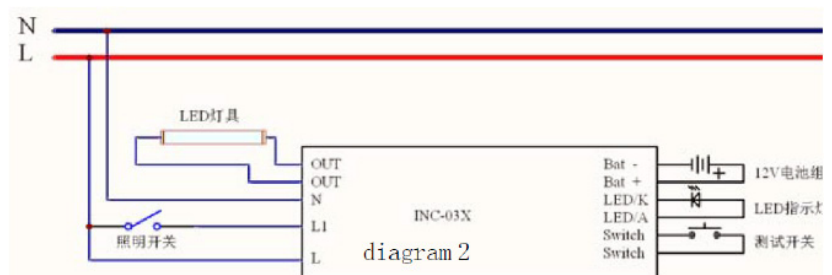
- Pending **UL** listing
- 10 year warranty
- Use with LED tubes or fixtures with internal driver
- Will provide illumination for 90 minutes in emergency state
- 24 hour recharge time
- Working voltage: AC 110V-277V
- Emergency battery voltage: 65V-90V
- **Red** pilot indicator light
- 12V lithium ion phosphate battery
- Stamped plastic housing
- Emergency battery switching time < 2 seconds
- Controlled power and discharge protection
- Maintains < 40°C exterior surface temperature
- Field install option



Dimensions



Installation Diagram



Ordering Information: CT-020EB

020

EB

Watts

Series

020 - 20W
040 - 40W

EB - Emergency Backup

Additional Products

Panel Surface Mount Frame



Options

- 2' x 2' frame (3" height) - SM22
- 2' x 4' frame (3" height) - SM24
- 1' x 4' frame (3" height) - SM14

Lampholder



Options

- Bi-pin G13 unshunted lampholders
- Single pin Fa8 lampholders
- Recessed double contact (high output) R17d lampholders

Sensor



Options

- Dimmable motion sensor
- Occupancy
- Photocell

Display Panel



Description

- 120V RGB rope light
- 24 different modes
- Customizable glass etching option

Warranty

Warranty

The limited warranty set forth below is given by Carson Technology Company with respect to the lighting fixture or product manufactured and produced on or after May 1st, 2016, as labeled on the product barcode. Your product, when delivered in new condition, original packaging, and properly installed, is warranted against defects in materials or workmanship for a period of TEN (10) years from the date of original purchase. This TEN (10) year limited warranty is activated upon the receipt of a completed and prompt submission of the Warranty Registration form and the form is assigned a Warranty Registration Number, as described in detail below. The installing party or end-user must submit the form along with a scanned or copied picture of their purchase order, receipt, or invoice from their accompanying supplier or distributor. Defective parts, components, or products must be returned with the sales receipt as proof of purchase to Carson Technology.

Other products distributed, purchased, or privately labeled through Carson Technology Company's approved suppliers are warranted against defects in materials or workmanship for a period of FIVE (5) years or the warranty provided by the sourced product's manufacturer, whichever is longer. Defective parts or components must be returned as a full unit with the sales receipt as proof of purchase to Carson Technology.

Carson Technology reserves the right to inspect the defective products at the installed location before the product will be repaired, or exchanged for a new product, as determined by Carson Technology. This limited warranty covers all defects faced in normal use of the product, and does not apply in the following cases: loss of or damage to the product due to acts of fire, vandalism, civil disturbances, power surges, improper power supply, corrosive environment installations, abuse, alteration, accidents, mishandling, or failure to follow operating, maintenance, installation, or environmental instructions prescribed by Carson Technology.

Warranty is void if product is returned in unpresentable condition or for the purpose for which this product is manufactured, including but not limited to: product or housing damage, removed or damaged components, re-painting, and other aesthetic or function damage or alterations as deemed by Carson Technology. If a replacement fixture was issued before inspection and the originally purchased fixture or product is deemed unpresentable, the buyer will be billed 20% of the original invoice as a restocking fee.

Carson Technology will inspect all returned products by testing the product or fixture for twenty-four (24) hours. In the event that there is no visible failure, defect, or damage noticed by Carson Technology, the buyer will be billed 20% of the original invoice as a restocking fee or the buyer may exchange the original fixture with the replacement fixture at the shipping expense of the buyer.

Any complaints regarding the product should be addressed to 12207 Los Nietos Road, Unit C, Santa Fe Springs, CA 90670. Carson Technology shall have no liability under this warranty if notification is not provided in writing within THIRTY (30) days after the discovery of the defect. The defective items shall be promptly returned to Carson Technology, freight prepaid, and received within TEN (10) days. This warranty excludes field labor and service charges related to the repair or replacement of the product, unless approved at Carson Technology's discretion.

No implied warranty, including any implied warranty of merchantability or fitness for a particular purpose, applies to the product after the applicable period of the express limited warranty stated above, and no other express warranty or guaranty given by any person or entity with respect to the product shall be binding

Warranty Activation

This limited warranty is activated upon the completion and receipt of the warranty registration form by the installing party or end-user. The registration form must be completed for each individual purchase order or invoice and must be submitted THIRTY (30) days after installation or delivery of the LED product. The installing party or end-user must submit the form along with a scanned or copied picture of their purchase order, receipt, or invoice from the accompanying supplier or distributor. Carson Technology will acknowledge each completed registration form submitted on time with a Warranty Registration (WR) number to accommodate the invoice and receipt for future reference.

If Carson Technology does not receive a completed warranty registration form by THIRTY (30) days after installation or delivery of the LED product, the products provided to the buyer shall only be warranted for FIVE (5) years. The receipt of the warranty registration form will be strictly enforced and exceptions to any warranty changes will only be made in writing at Carson Technology's discretion.

Terms and Conditions

If the product or fixture is to be returned for issues other than the product being defective, a restocking fee of 20% will be collected on returns of any item within THIRTY (30) days after purchase. Since our number one goal is to provide optimal customer satisfaction and a trusting relationship, we will gladly waive or reduce any restocking fees for those who purchase another item provided by Carson Technology of equal or greater value.

In order for Carson Technology to establish an open account line of credit, the undersigned will pay for all purchases according to the terms of sale. The buyer is authorizing Carson Technology to run a credit report through a reporting agency. If the undersigned is unable to pay for the purchases when due, Carson Technology will charge 2% interest on any amount past due until paid. In this event, all future sales will be collect on delivery. If Carson Technology institutes suit to collect any amount due, the undersigned promise to pay for additional collection costs.

China Plant

102, 1F, Building B, No. 7, Zhenan West Road
Changan Town, Xiagong Village, Dongguan City
Guangdong, China 523878

t: +86-769-8532-5808

f: +86-769-8532-5908

US Warehouse

12207 Los Nietos Road, Unit C
Santa Fe Springs, CA 90670

t: (562) 941-0326

f: (562) 941-0130