



LED Lighting

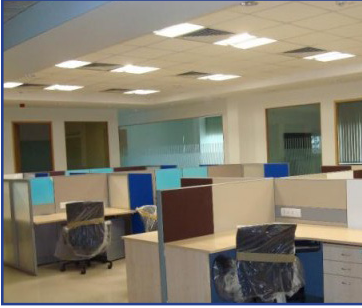


2017
Product
Catalog Plus

Table of Contents

LED Applications	3	LED Wrap Around	
Company Background	4	4' 36W Classic (2-Lamp)	47
Case Study		4' 64W Classic (2-Lamp)	48
Cathedral of Our Lady of the Angels	5	4' 36W Curved (2-Lamp)	49
Costco	6	4' 64W Curved (2-Lamp)	50
Chevron	7	LED Industrial Strip	
7 Eleven	8	4' 18W (1-Lamp Surface Mount)	51
Santa Fe Springs Swap Meet	9	4' 36W (2-Lamp Jack Chain)	52
LED Corn Light		4' 64W (2-Lamp Jack Chain)	53
15W	10	4' 36W (2-Lamp Surface Mount)	54
20W	11	4' 64W (2-Lamp Surface Mount)	55
40W	12	8' 72W (2-Lamp Jack Chain)	56
60W	13	LED Circular High Bay	
80W	14	150W Acrylic or Industrial	57
150W	15	200W Acrylic or Industrial	58
LED 2G11 Tube		250W Acrylic or Industrial	59
2' 20W Tube (Bypass Ballast)	16	400W Acrylic or Industrial	60
LED T5 Tube		LED T8 Linear High Bay	
4' 27W Tube (Ballast Compatible)	17	4' 72W High Bay (4-Lamp)	61
4' 30W Tube (Bypass Ballast)	18	4' 128W High Bay (4-Lamp)	62
LED T8 Tube		4' 108W High Bay (6-Lamp)	63
2' 10W Tube (Bypass Ballast)	19	4' 192W High Bay (6-Lamp)	64
2' 17W U-Bend Tube (Ballast Compatible)	20	LED Vapor Tight	
2' 18W U-Bend Tube (Bypass Ballast)	21	2' 20W (2-Lamp)	65
4' 15W Tube (Bypass Ballast)	22	4' 36W (2-Lamp)	66
4' 17W Tube (Ballast Compatible)	23	4' 64W (2-Lamp)	67
4' 18W Tube (Bypass Ballast)	24	4' 72W (4-Lamp)	68
4' 18W Tube (Dual Mode)	25	4' 108W (6-Lamp)	69
4' 32W Tube (Bypass Ballast)	26	8' 72W (4-Lamp)	70
6' 26W Tube (Bypass Ballast)	27	8' 128W (4-Lamp)	71
8' 33W Tube (Ballast Compatible)	28	LED Wall Pack	
8' 36W Tube (Bypass Ballast)	29	15W	72
LED T12 Tube		50W	73
3' 18W Tube	30	90W	74
4' 24W Tube	31	LED Canopy	
5' 30W Tube	32	32W	75
62" 31W Tube	33	130W	76
6' 36W Tube (Single Pin)	34	LED Flood Light	
6' 36W Tube (HO End)	35	50W	77
7' 42W Tube	36	120W	78
8' 48W Tube (Single Pin)	37	200W	79
8' 48W Tube (HO End)	38	250W	80
10' 60W Tube	39	LED Shoe Box	
LED Downlight		150W	81
4" 9W	40	200W	82
6" 13W	41	250W	83
LED Panel		LED Street Light	
2' x 2' 36W Panel	42	100W	84
1' x 4' 42W Panel	43	150W	85
2' x 4' 72W Panel	44	180W	86
LED Indirect		400W	87
2' x 2' 36W Panel	45	Other Products	
2' x 4' 62W Panel	46	12V LED Truck Light	88
		Emergency Battery	89
		Accessories	90

LED Lighting Applications



Commerical - Tubes (page 19-29)
Office - Panels (page 42-44)
School - Indirect Troffers (page 45-46)
Corridor - Wrap Arounds (page 47-50)



Outdoor Sign - T12 Tubes (page 30-39)



Plant - 8' Tubes (page 28-29)
Warehouse - Industrial Strips (page 51-56)
Factory - High Bays (page 57-64)
Refrigeration - Vapor Tights (page 65-71)



Under Canopy - Vapor Tights (page 65-71)
Gas Station - Canopies (page 75-76)



Facade - Wall Packs (page 72-74)
Outdoor - Flood Lights (page 77-80)
Parking Lot - Shoe Boxes (page 81-83)
Municipality - Street Lights (page 84-87)

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 failure rate

Accountability - providing world class customer service

Integrity - supporting a 10 year warranty plan

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



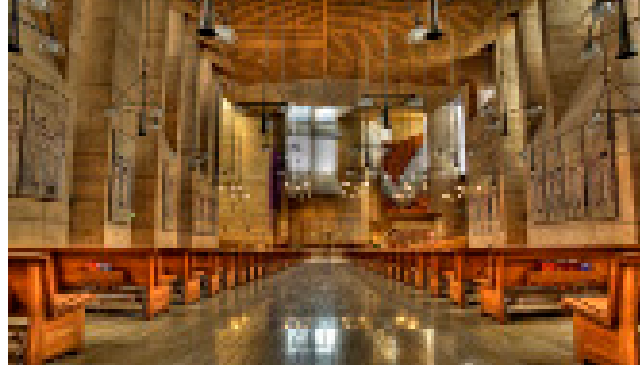
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Case Study - Cathedral of Our Lady of the Angels



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

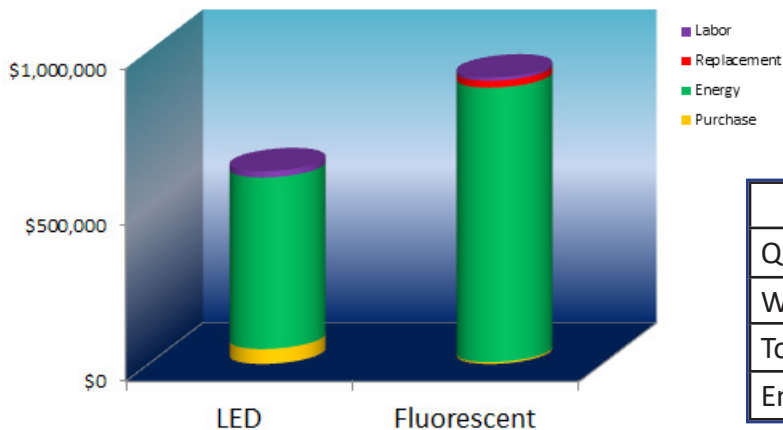
Calculations are based on 8,760 annual hours
of operation and \$0.25 average cost per kWh

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

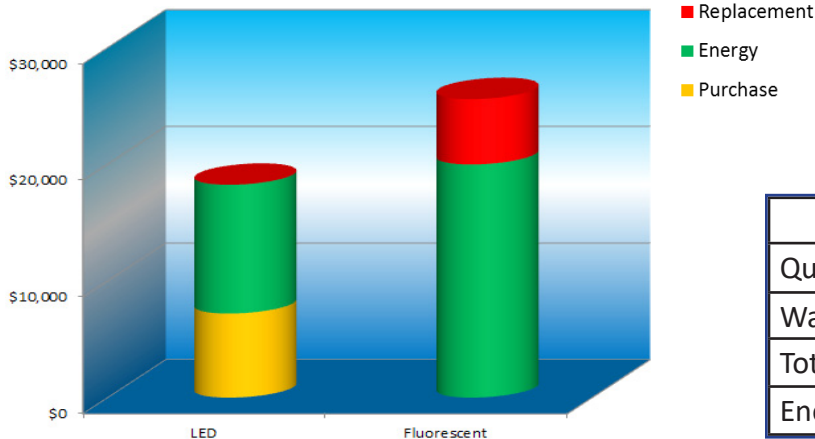
Calculations are based on 5,475 annual hours of operation and \$0.14 average cost per kWh

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

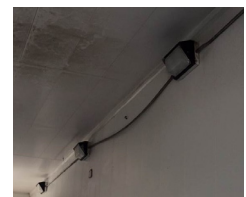
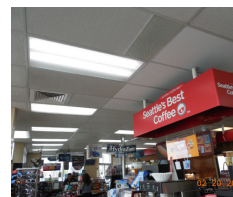
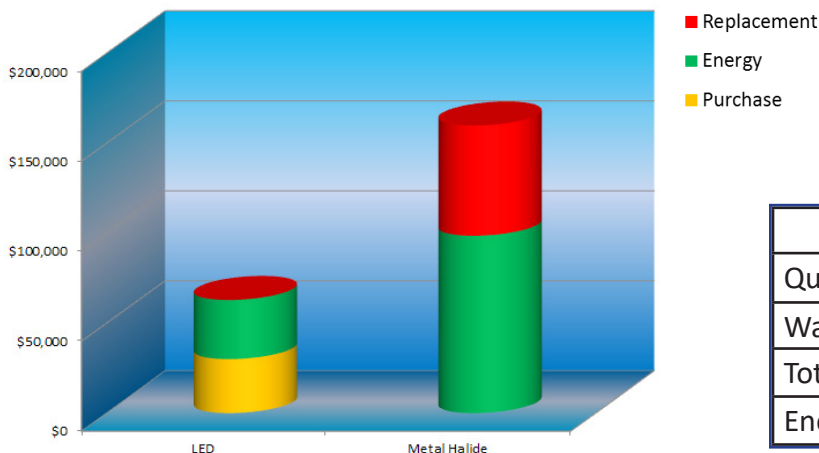
Calculations are based on 4,380 annual hours of operation and \$0.14 average cost per kWh

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

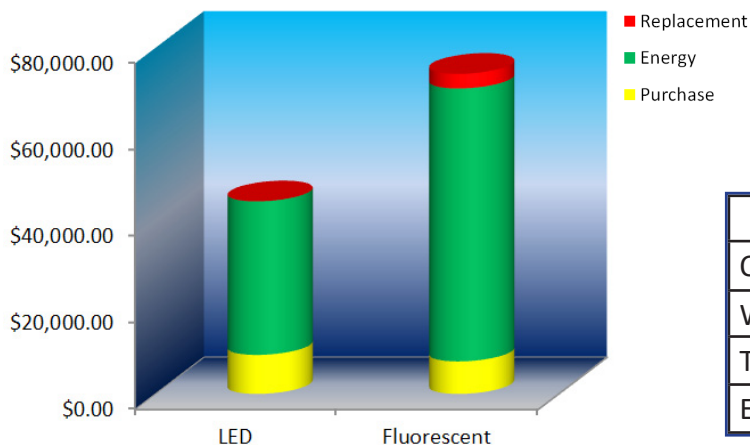
Calculations are based on 8,760 annual hours of operation and \$0.27 average cost per kWh

36W LED



Annual Electricity
Cost = \$47.30

Lifetime Costs



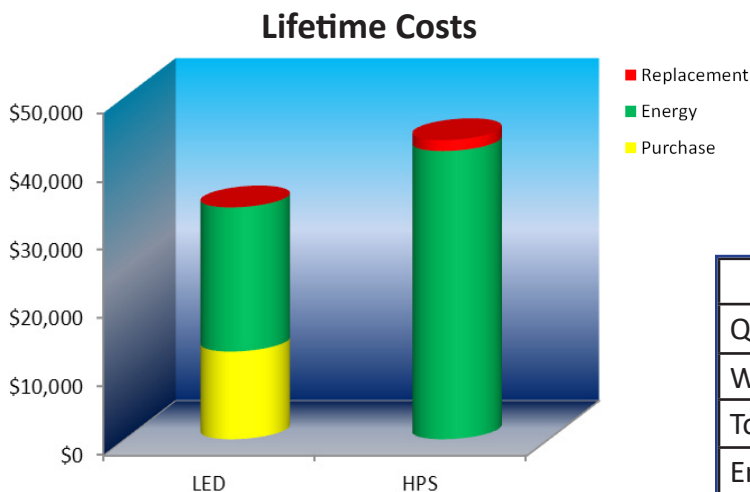
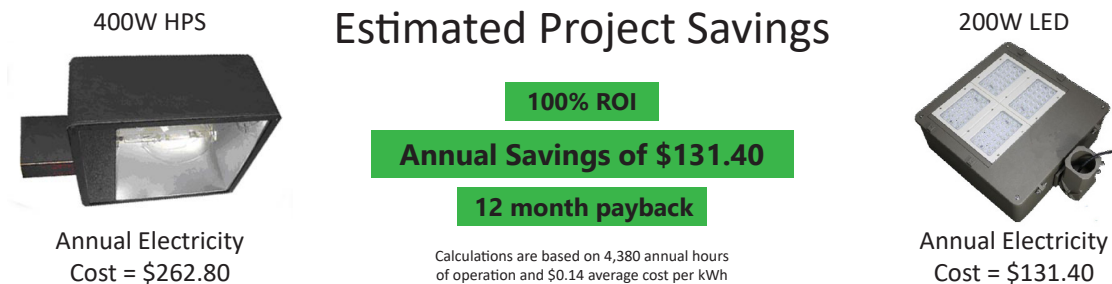
	Fluorescent	LED
Quantity	150	150
Watts	64	36
Total Watts	9,600	5,400
Energy Savings	-	44%

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.



	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 60W halogen lamp. An E26 medium screw base retrofits into sockets compatible with a magnetic ballast and can be wired to line voltage 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

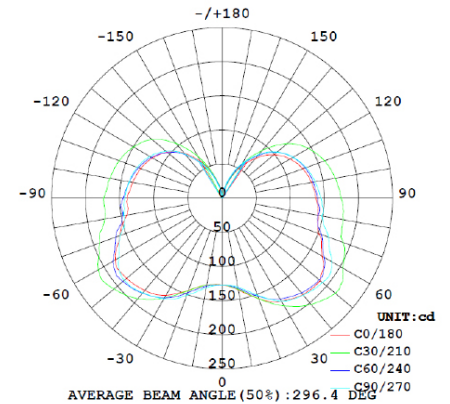
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	2.3	0.6	0.3	0.14	0.09

Key Features

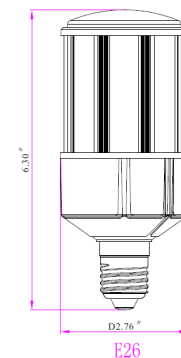
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E465717
- IP rating: IP54
- 123 lumens per watt
- LED quantity: 120 chips
- Input voltage: AC 110V-277V
- 360° beam angle
- E26 medium screw base
- Dimensions (H x D) - 6.5" x 3"
- White powder coat base with green trim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

20W Corn Light

Description

Carson's 19W LED corn light emits 2,300 lumens with 360° illumination performance equal to 75W halogen lamp. An E26 medium screw base retrofits into sockets compatible with a magnetic ballast and can be wired to line voltage 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-D02020CBN	19	2,332	121.8

height (ft)	6.5'	13'	20'	26'	33'
footcandles	2.9	0.7	0.3	0.18	0.12

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E465717
- IP rating: IP54
- 122 lumens per watt
- LED quantity: 140 chips
- Input voltage: AC 110V-277V
- 360° beam angle
- E26 medium screw base
- Dimensions (H x D) - 7" x 3"
- White powder coat base with green trim
- Compatible with magnetic ballasts
- Built-in internal driver - bypass external ballast



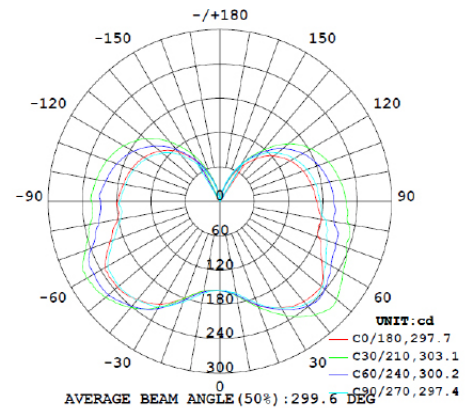
92% ROI

Annual Savings of \$28.91

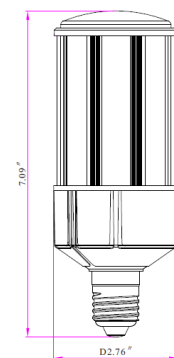
13 month payback

Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity



Dimensions



Ordering Information: CT-D02020CBN

D

02

020

C

B

N

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-Dimmable

020 - 19W

C - Corn

B - Clear

N - 5000K

40W Corn Light

Description

Carson's 39W LED corn light emits 4,400 lumens with 360° illumination performance equal to 100W high pressure sodium lamp. 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	4,388	113.6

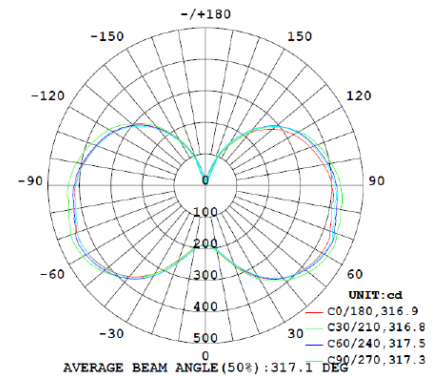
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	12	4.4	1.9	1.1	0.7

Key Features

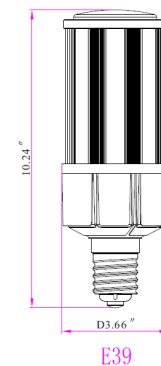
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E465717
- IP rating: IP54
- DLC Qualified Product List
- 114 lumens per watt
- Color Rendering Index: 84
- LED quantity: 288 chips
- Input voltage: AC 110V-277V
- 360° beam angle
- E39 mogul screw base
- White powder 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

60W Corn Light

Description

Carson's 55W LED corn light emits 6,400 lumens with 360° illumination performance is equal to 150W high pressure sodium lamp. 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-D02060CBN	55	6,405	116.4

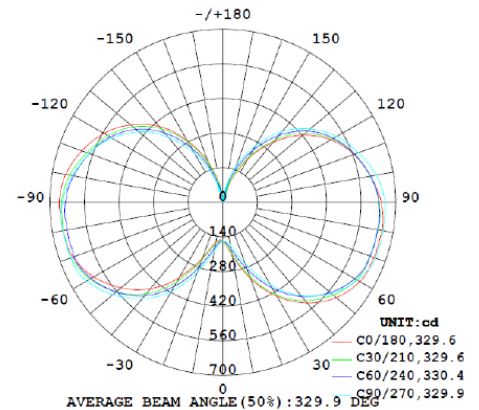
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	14	5.3	2.4	1.3	0.8

Key Features

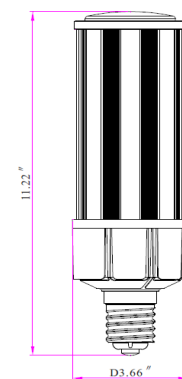
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E465717
- IP rating: IP54
- DLC Qualified Product List
- 116 lumens per watt
- Color Rendering Index: 82
- LED quantity: 416 chips
- Input voltage: AC 110V-277V
- 360° beam angle
- E39 mogul screw base
- White powder coat base with green trim
- Built-in internal driver - bypass external ballast



Luminous Intensity



Dimensions



Ordering Information: CT-D02060CBN

D	02	060	C	B	N
Chip	Dimmable	Watts/Size	Series	Type	Color
D - DC	02 - Non-dimmable	060 - 55W	C - Corn	B - Clear	N - 5000K

80W Corn Light

Description

Carson's 79W LED corn light emits more than 10,000 lumens with 360° illumination performance is equal to 150W high pressure sodium lamp. 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	79	10,219	128.4

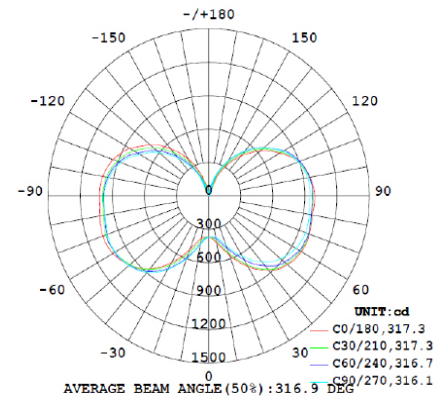
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	26	10	4.3	2.4	1.5

Key Features

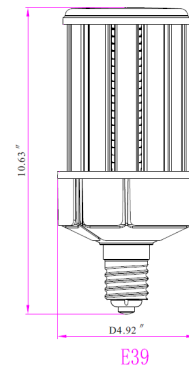
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E465717
- IP rating: IP54
- DLC Qualified Product List
- 128 lumens per watt
- Color Rendering Index: 82
- LED quantity: 560 chips
- Input voltage: AC 110V-277V
- 360° beam angle
- E39 mogul screw base
- White powder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



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 - 79W

C - Corn

B - Clear

N - 5000K

150W Corn Light

Description

Carson's 145W LED corn light emits 18,000 lumens with 360° illumination performance is equal to 400W high pressure sodium lamp. 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-D02150CBN	145	17,855	123.4

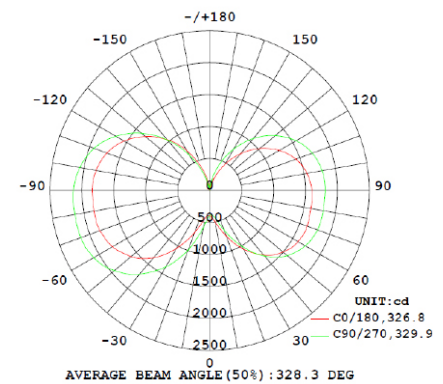
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	40	15	6.6	3.7	2.4

Key Features

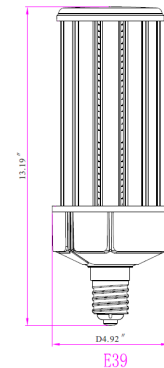
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E465717
- IP rating: IP64
- DLC Qualified Product List
- 123 lumens per watt
- Color Rendering Index: 85
- LED quantity: 1064 chips
- Input voltage: AC 110V-277V
- 360° beam angle
- E39 mogul screw base
- White powder coat base with green trim
- 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 - 145W	C - Corn	B - Clear	N - 5000K

2' 2G11 Tube - Bypass Ballast

Description

Carson's 2' linear 18.5W LED 2G11 tube emits more than 2,500 lumens and saves 50% in energy costs when compared to fluorescent tubes. Available in 3500K to 5000K 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.

Product #	Watts	Lumens	lm/W
CT-D02020TBC	18.5	2,565	138.4

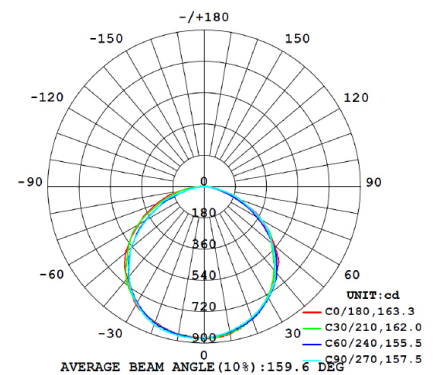
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	24	6	2.6	1.5	1.0

Key Features

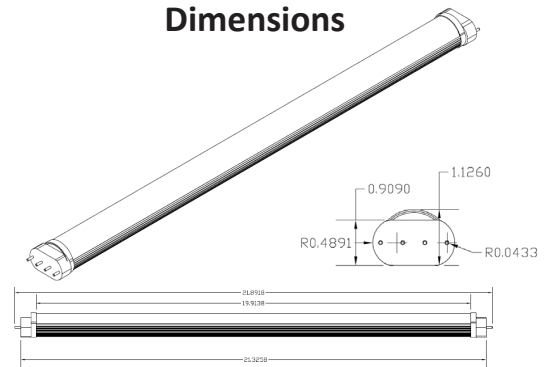
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350411
- 138 lumens per watt
- Power factor > .97
- LED quantity: 114 chips
- Input voltage: AC 110V-277V
- Lightweight aluminum heat sink
- 2G11 base mounts into 4 pin socket
- Clear (ideal for troffers) or frosted lens (ideal for open fixtures)
- Built-in internal driver - bypass external ballast
- Maintains 50°C exterior surface temperature



Luminous Intensity



Dimensions



Ordering Information: CT-D02020TBC

D

02

020

T

B

C

Chip

Dimmable

Watts/Size

Series

Type

Color

D - DC

02 - Non-dimmable

020 - 18W/2 ft

T - 2G11 Tube

B - Clear
F - Frosted

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

4' T5 Tube - Ballast Compatible

Description

Carson's 4' linear 27W LED T5 tube emits 3,300 lumens and saves 50% in energy costs when compared to F54 fluorescent tubes. Each tube is compatible with instant start electronic ballast for T5 fluorescent tubes. Available in cool and natural white color temperatures, the stationary G5 end caps lock into bi-pin lampholders. Ideal for applications such as plants, warehouses, or factories.

Product #	Watts	Lumens	lm/W
CT-DRT5427N	27	3,300	133.3

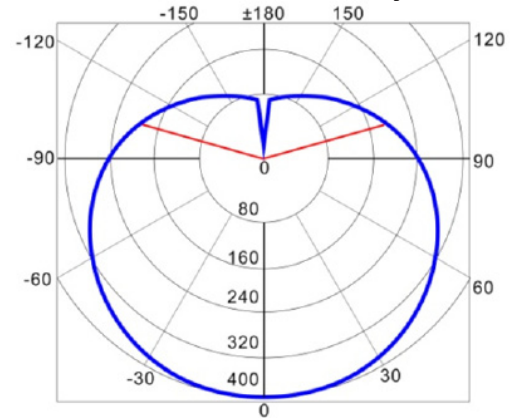
height (ft)	10'	13'	16.5'	19.5'	23
footcandles	3.7	2.1	1.3	0.9	0.7

Key Features

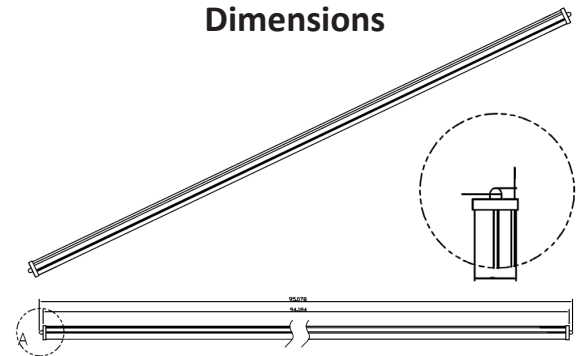
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E472081
- DLC Qualified Product List
- 133 lumens per watt
- Color Rendering Index: 82
- 220° beam angle
- LED quantity: 240 chips
- Input voltage: AC 110V-277V
- Frosted glass tube enables maximum light diffusion
- Easy install - plug & play direct replacement
- Compatible with instant start electronic ballasts
- Not compatible with Universal Lighting ballasts



Luminous Intensity



Dimensions



Ordering Information: CT-DRT5427N

DR

T5

4

27

N

Type

Shape

Length

Watts

Color

DR - Direct Replacement

T5 - Linear

4 - 4 feet

27 - 27 Watts

C - 4000K
N - 5000K

4' T5 Tube - Bypass Ballast

Description

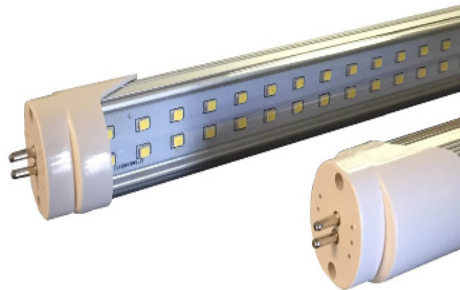
Carson's 4' linear 30W LED T5 tube emits over 3,800 lumens and saves 40% in energy costs when compared to F54 fluorescent tubes. Only available in three color temperatures, the T8 body and stationary G5 end caps lock into shunted tombstones that run directly off line voltage. Ideal for factories, warehouses, or other applications with high ceilings.

Product #	Watts	Lumens	lm/W
CT-D02030TBN	30	3,832	123.6

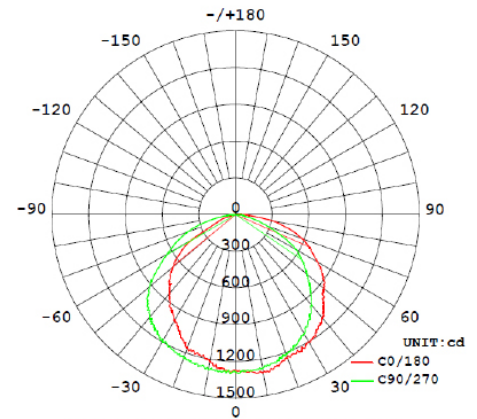
height (ft)	10'	13'	16.5'	19.5'	23
footcandles	3.7	2.1	1.3	0.9	0.7

Key Features

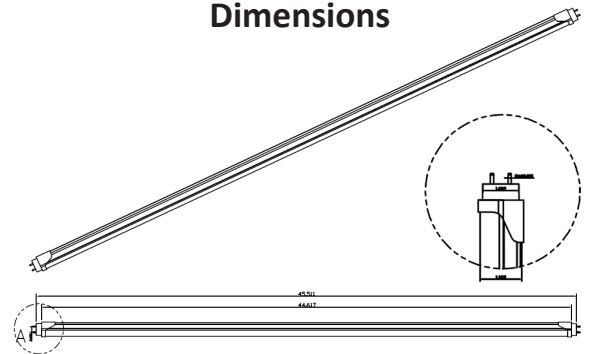
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350411
- 124 lumens per watt
- Power factor > .97
- LED quantity: 192 chips
- 180° beam angle
- Input voltage: AC 110V-277V
- Lightweight aluminum heat sink
- Frosted or clear polycarbonate lens
- Double-sided G5 power 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 - Bypass Ballast

Description

Carson's 2' linear 10W LED T8 tube emits more than 1,300 lumens and saves 41% 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	9.5	1,348	142.8

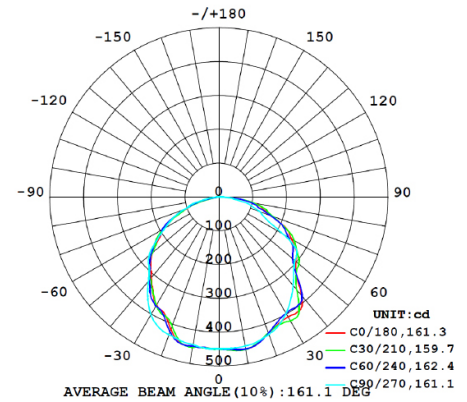
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	12	3	1.3	0.7	0.5

Key Features

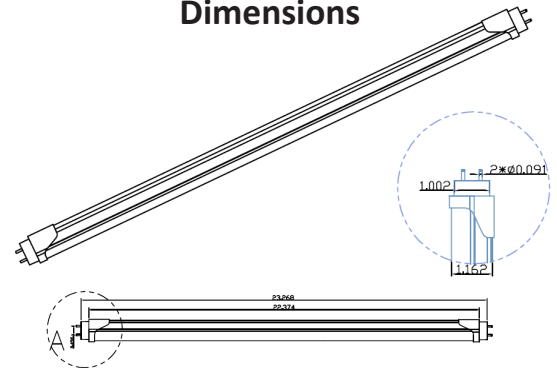
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468422
- 142 lumens per watt
- Power factor > .97
- LED quantity: 72 chips
- 180° beam angle
- Input voltage: AC 110V-277V
- Lightweight aluminum heat sink
- Built-in internal driver - bypass external ballast
- Single-sided 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 - 9.5W/2 ft	T - T8 Tube	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K

2' U-Bend T8 - Ballast Compatible

Description

Carson's 17W 2' LED U-bend tube emits 2,200 lumens and saves 47% 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 lampholders. Ideal for 2' x 2' troffers in offices or medical centers.

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

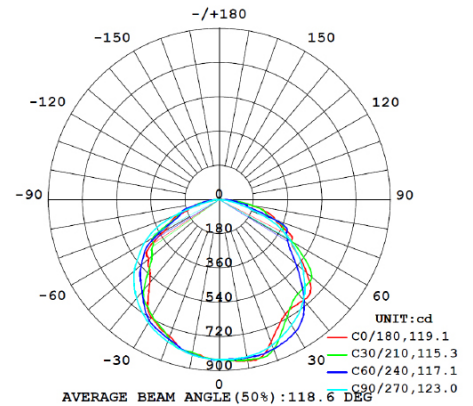
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	17	4	1.9	1.1	0.7

Key Features

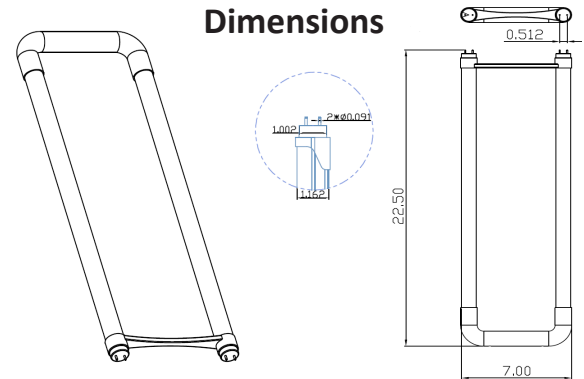
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E472081
- NSF certified
- 129 lumens per watt
- Color Rendering Index: 82
- 220° beam angle
- LED quantity: 120 chips
- Input voltage: AC 110V-277V
- Easy install - plug & play direct replacement
- Compatible with instant 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

T8U - U-Bend

2 - 2 feet

17 - 17 Watts

C - 4000K
N - 5000K

2' U-Bend T8 - Bypass Ballast

Description

Carson's 18W 2' LED U-bend tube emits 2,200 lumens and saves 44% in energy costs when compared to F32 fluorescent tubes. Available in cool and natural white color temperatures, the stationary G13 end caps twist and lock into unshunted tombstones that run directly off line voltage. Ideal for 2' x 2' troffers in offices or medical centers.

Product #	Watts	Lumens	lm/W
CT-BPT8U218N	18	2,200	122.2

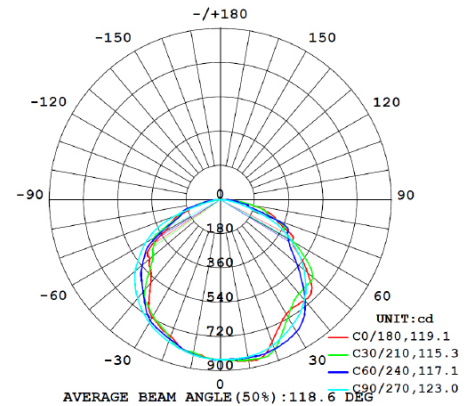
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	17	4	1.9	1.1	0.7

Key Features

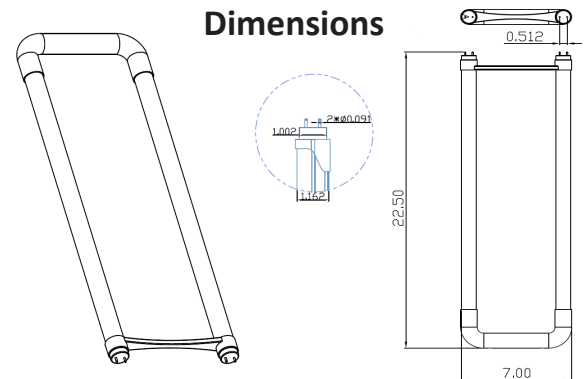
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E472081
- NSF certified
- 122 lumens per watt
- Color Rendering Index: 82
- 220° beam angle
- LED quantity: 120 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Frosted glass tube enables maximum light diffusion
- Suitable for use in totally enclosed fixtures



Luminous Intensity



Dimensions



Ordering Information: CT-BPT8U218N

BP

T8U

2

18

N

Type

Shape

Length

Watts

Color

BP - Bypass Ballast

T8U - U-Bend

2 - 2 feet

18 - 18 Watts

C - 4000K
N - 5000K

4' T8 Tube - Bypass Ballast

Description

Carson's 4' linear 15W LED T8 tube emits 2,000 lumens and saves 53% in energy costs when compared to F32 fluorescent tubes. Available in cool and natural white color temperatures, the stationary G13 end caps twist and lock into unshunted lampholders that run directly off line voltage. Perfect for offices, warehouses, and parking garages.

Product #	Watts	Lumens	lm/W
CT-BPT8415FN	15	2,000	133.3

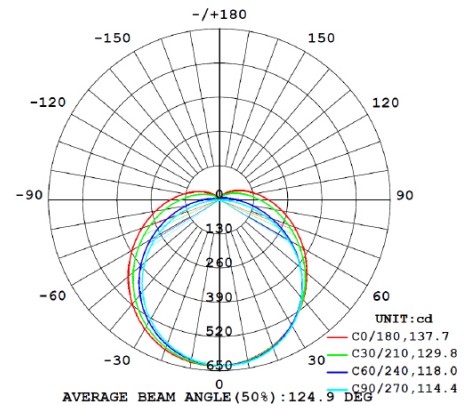
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	17	4	1.9	1.1	0.7

Key Features

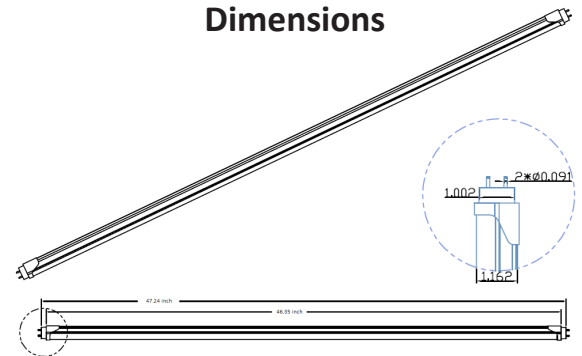
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350411
- 133 lumens per watt
- Color Rendering Index: 83
- 220° beam angle
- LED quantity: 96 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Frosted glass tube enables maximum light diffusion
- Single-sided G13 power end inserts into unshunted tombstone
- Clear (ideal for troffers) or frosted lens (ideal for open fixtures)
- Suitable for use in totally enclosed fixtures



Luminous Intensity



Dimensions



Ordering Information: CT-BPT8415FN

BP

T8

4

15

F

N

Type

Shape

Length

Watts

Lens

Color

BP - Bypass Ballast

T8 - Linear

4 - 4 feet

15 - 15 Watts

B - Clear
F - Frosted

C - 4000K
N - 5000K

4' T8 Tube - Ballast Compatible

Description

Carson's 4' linear 17W LED T8 tube emits 2,200 lumens and saves 47% 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

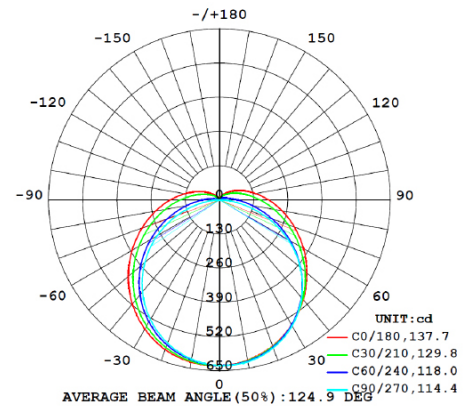
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	17	4	1.9	1.1	0.7

Key Features

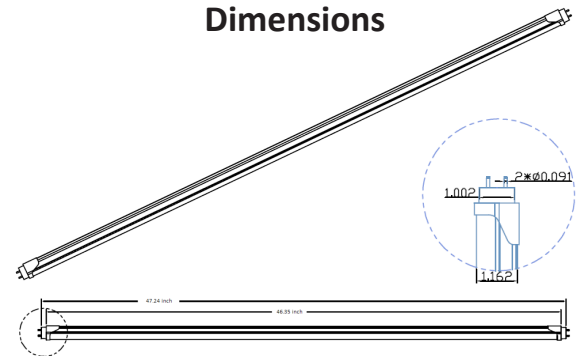
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E472081
- DLC Qualified Product List
- 129 lumens per watt
- Color Rendering Index: 82
- 220° beam angle
- LED quantity: 120 chips
- Input voltage: AC 110V-277V
- Frosted glass tube enables maximum light diffusion
-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



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 - 4000K
 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

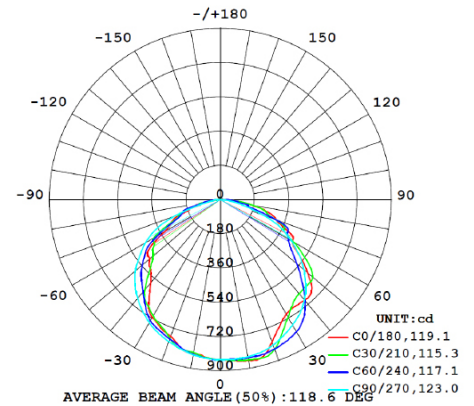
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	19	5	2.1	1.2	0.8

Key Features

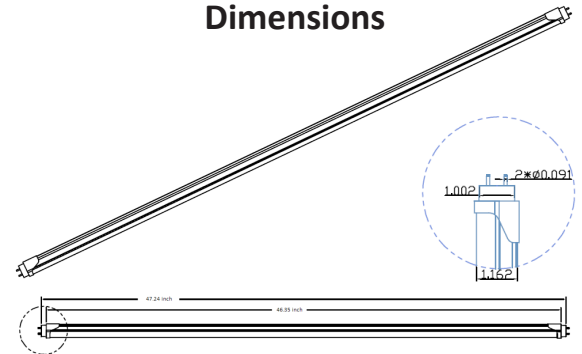
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350411
- DLC Qualified Product List
- 127 lumens per watt
- Color Rendering Index: 83
- LED quantity: 96 chips
- Input voltage: AC 110V-277V
- Lightweight aluminum heat sink
- Built-in internal driver - bypass external 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)



Luminous Intensity



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 - Dual Mode

Description

Carson's 4' linear 19W LED T8 tube emits 2,400 lumens and saves 45% in energy costs when compared to F32 fluorescent tubes. Each tube is compatible with instant start electronic ballast and then can be wired directly to line voltage after the ballast dies. The G13 end caps retrofit into unshunted (single-ended tube) or shunted (double-ended tube) lampholders. Ideal for offices and parking garages.

Product #	Watts	Lumens	lm/W
CT-DMT8418FN	19	2,442	128.0

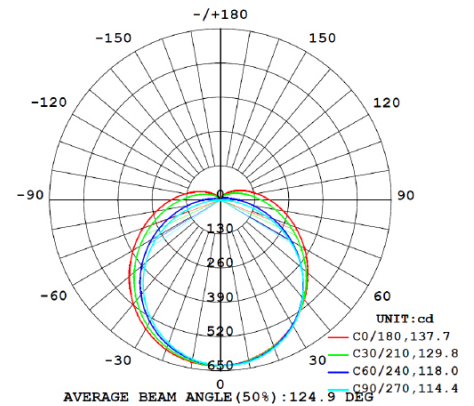
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	17	4	1.9	1.1	0.7

Key Features

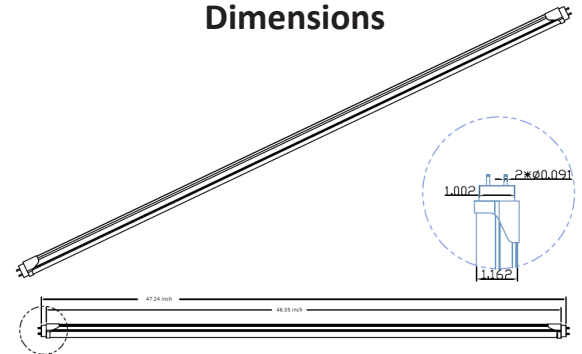
- Uses Epistar SMD3528 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing
- DLC Qualified Product List
- 128 lumens per watt
- Color Rendering Index: 80
- LED quantity: 288 chips
- Input voltage: AC 110V-277V
- 180° beam angle
- Lightweight aluminum heat sink
- Easy install - plug & play direct replacement
- Compatible with instant start electronic ballasts
- Built-in internal driver - bypass external ballast



Luminous Intensity



Dimensions



Ordering Information: CT-DMT8418FN

DM

T8

4

18

F

N

Type

Shape

Length

Watts

Lens

Color

DM - Dual Mode

T8 - Linear

4 - 4 feet

18 - 19 Watts

B - Clear
F - Frosted

C - 4000K
N - 5000K

4' T8 Tube - High Output

Description

Carson's 4' linear 32W LED T8 tube emits 4,197.7 lumens and saves 41% 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	4,197.7	132.37

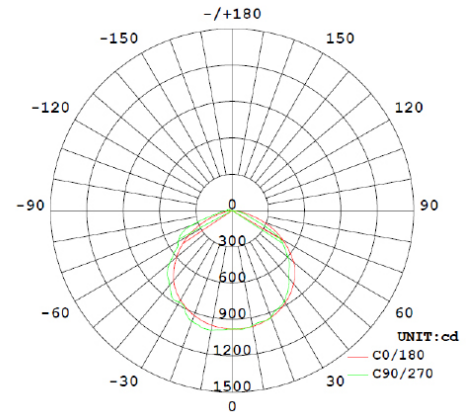
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	2.7	1.5	1.0	0.7	0.5

Key Features

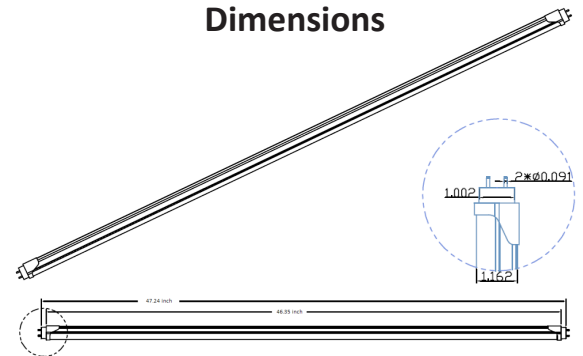
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350411
- DLC Qualified Product List
- 105 lumens per watt
- Color Rendering Index: 84
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Lightweight aluminum heat sink
- Built-in internal driver - bypass external 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 - Bypass Ballast

Description

Carson's 6' linear 26W LED T8 tube emits 2,800 lumens and saves 63% 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 lampholders that run directly off line voltage. Commonly used in refrigeration coolers.

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

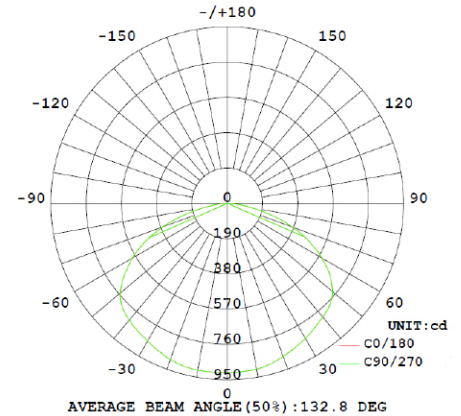
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	15	3.8	1.7	0.9	0.6

Key Features

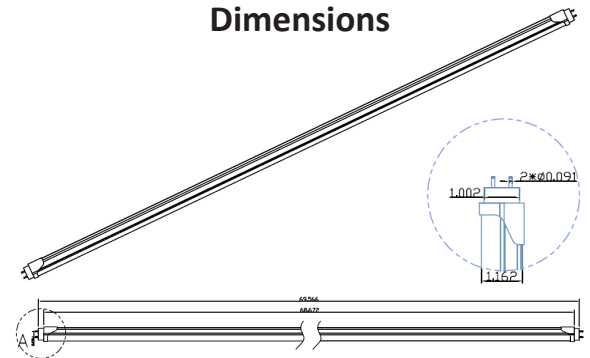
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E349847
- 108 lumens per watt
- Power factor > .97
- 180° beam angle
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Lightweight aluminum heat sink
- Built-in internal driver - bypass external ballast
- Single-sided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



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 - Bypass Ballast

Description

Carson's 8' linear 36W LED T8 tube emits 4,500 lumens and saves 52% 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



108% ROI

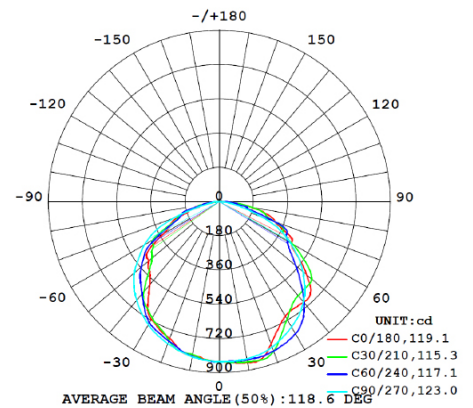
Annual Savings of \$20.50

11 month payback

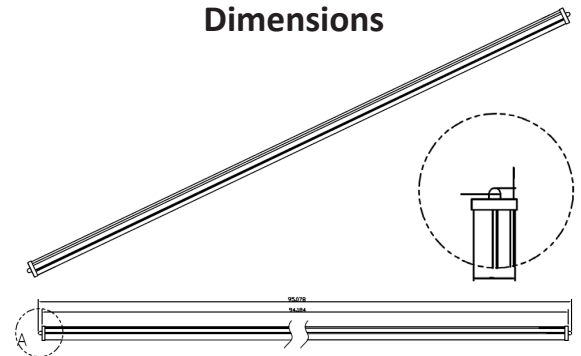
Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

Luminous Intensity

*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

8' T8 Tube - Ballast Compatible

Description

Carson's 8' linear 33W LED T8 tube emits 4,400 lumens and saves 56% in energy costs when compared to F96 fluorescent tubes. Each tube is compatible with instant start electronic ballast for T12 fluorescent tubes. Available in cool and natural white color temperatures, the single pin end caps spring into single pin lampholders. Ideal for applications such as plants, warehouses, or factories.

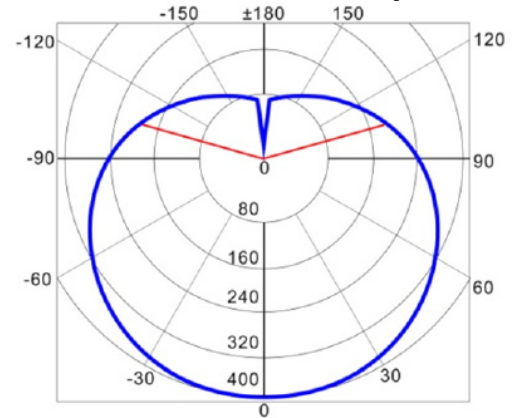
Product #	Watts	Lumens	lm/W
CT-DRT8833C	33	4,400	133.3

Key Features

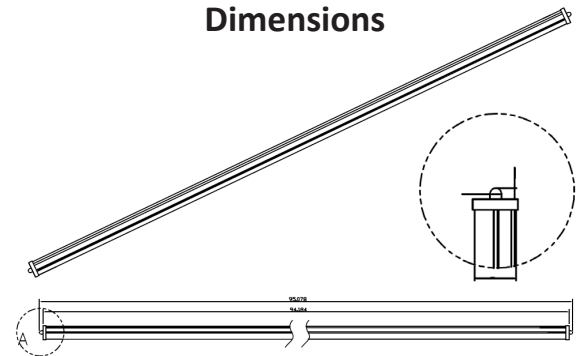
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E472081
- DLC Qualified Product List
- 133 lumens per watt
- Color Rendering Index: 82
- 220° beam angle
- LED quantity: 240 chips
- Input voltage: AC 110V-277V
- Frosted glass tube enables maximum light diffusion
- Easy install - plug & play direct replacement
- Compatible with instant start electronic ballasts
- Suitable for use in totally enclosed fixtures



Luminous Intensity



Dimensions



Ordering Information: CT-DRT8833C

DR

T8

8

33

C

Type

Shape

Length

Watts

Color

DR - Direct Replacement

T8 - Linear

8 - 8 feet

33 - 33 Watts

C - 4000K
N - 5000K

3' T12 Tube - F36 Replacement

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. Three-sided triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps mount into outdoor sign boxes on buildings or street signs.

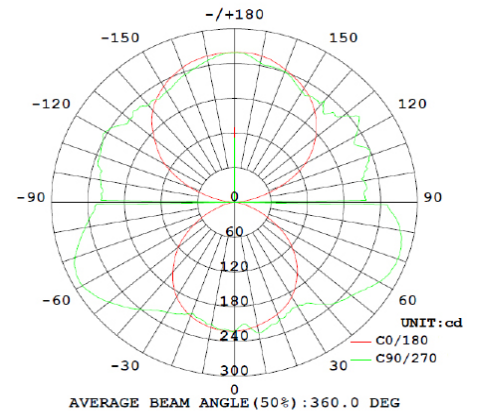
Product #	Watts	Lumens	lm/W
CT-D12018TRN	18	2,281	127.1

Key Features

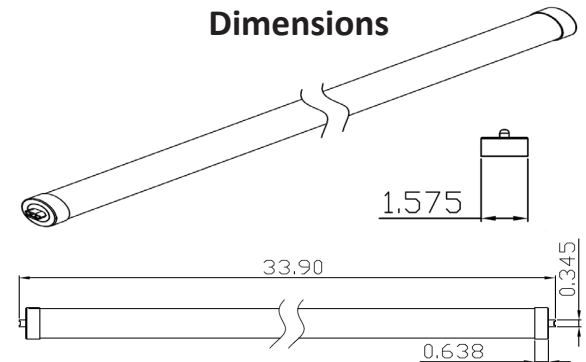
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 127 lumens per watt
- 360° beam angle
- LED quantity: 127 chips
- Input voltage: AC 110V-277V
- Silicone seals for outdoor sign market
- Triangular aluminum heat sink offers 360° illumination
- Built-in internal 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 - F48 Replacement

Description

Carson's 4' linear 24W LED T12 tube emits 3,000 lumens and saves 60% in energy costs when compared to F48 fluorescent tubes. Three-sided triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps mount into outdoor sign boxes on buildings or street signs.

Product #	Watts	Lumens	lm/W
CT-D12024TRN	24	2,956	124.1

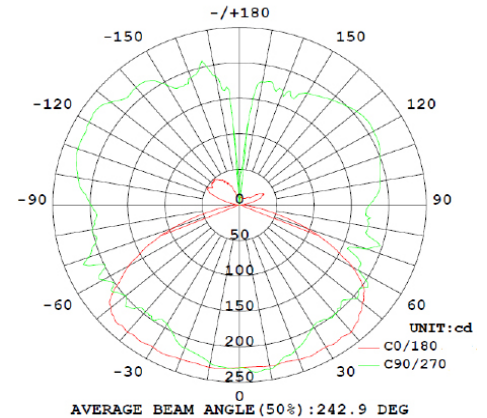
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	17	4	1.8	1.0	0.7

Key Features

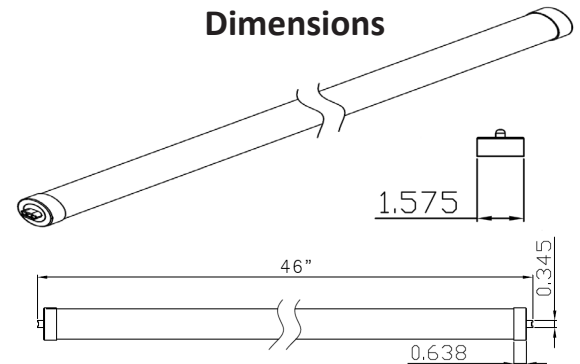
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 124 lumens per watt
- 360° beam angle
- LED quantity: 180 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided recessed double contact R17d power end
- Clear 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



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 - 24W/4 ft	T - T12 Tube	R - High Output (Recessed DC)	N - 5000K

5' T12 Tube - F60 Replacement

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. Three-sided triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps mount into outdoor sign boxes on buildings or street signs.

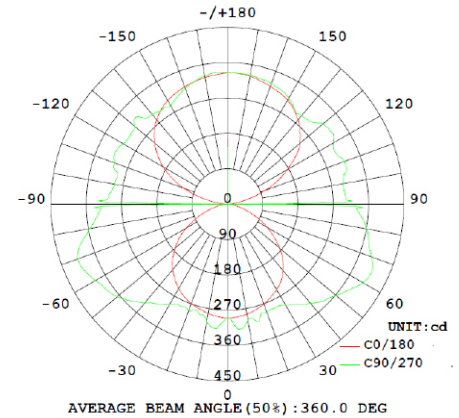
Product #	Watts	Lumens	lm/W
CT-D12030TRN	30	3,250	107.9

Key Features

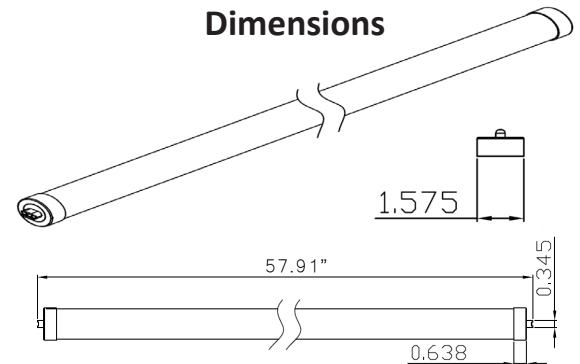
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 108 lumens per watt
- 360° beam angle
- LED quantity: 216 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided recessed double contact R17d power end
- Clear 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



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

5' T12 Tube - F64 Replacement

Description

Carson's 62" linear 31W LED T12 tube emits 3,300 lumens and saves 60% in energy costs when compared to F64 fluorescent tubes. Three-sided triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps mount into outdoor sign boxes on buildings or street signs.

Product #	Watts	Lumens	lm/W
CT-D12031TRN	31	3,345	107.9

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 108 lumens per watt
- 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



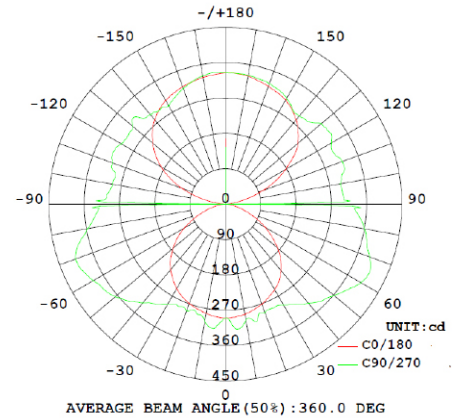
105% ROI

Annual Savings of \$47.30

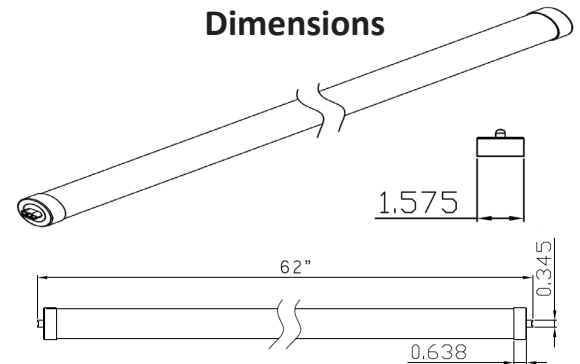
11 month payback

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

Luminous Intensity



Dimensions



Ordering Information: CT-D12031TRN

D

12

031

T

R

N

Chip

Diameter

Watts/Size

Series

Type

Color

D - DC

12 - 360° Tube

031 - 31W/62 in

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 3,400 lumens and saves 55% in energy costs when compared to F72 fluorescent tubes. Two-sided triangular heat sink offers 240° illumination, which eliminates shadows on single or double sided sign boxes. The stationary single pin Fa8 end caps mount into outdoor sign boxes on buildings or street signs with an external driver.

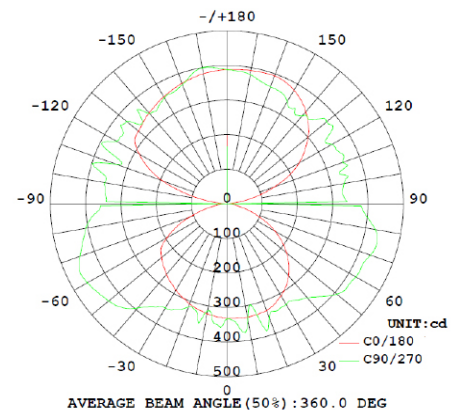
Product #	Watts	Lumens	lm/W
CT-D12036TSN	35	3,383	96.4

Key Features

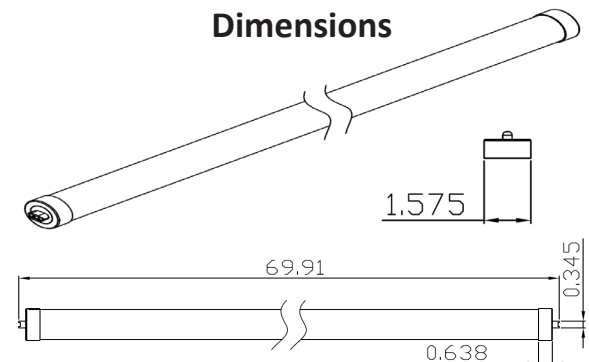
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 96 lumens per watt
- Color Rendering Index: 82
- 240° beam angle
- LED quantity: 252 chips
- Input voltage: AC 110V-277V
- Triangular aluminum heat sink offers 240° illumination
- External driver with orange 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 - F72 Replacement

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. Three-sided triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps mount into outdoor sign boxes on buildings or street signs.

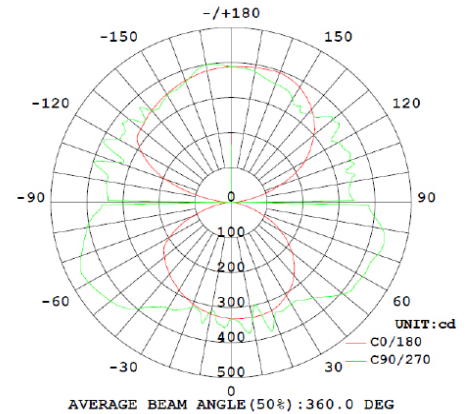
Product #	Watts	Lumens	lm/W
CT-D12036TRN	35	3,877	108.9

Key Features

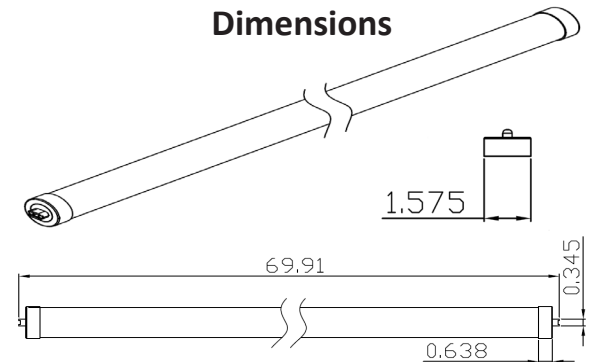
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 108 lumens per watt
- Power factor > .97
- 360° beam angle
- LED quantity: 252 chips
- Input voltage: AC 110V-277V
- Built-in internal driver - bypass external ballast
- Single-sided recessed double contact 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 - F84 Replacement

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. Three-sided triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps mount into 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
- UL listing: 350411
- 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



120% ROI

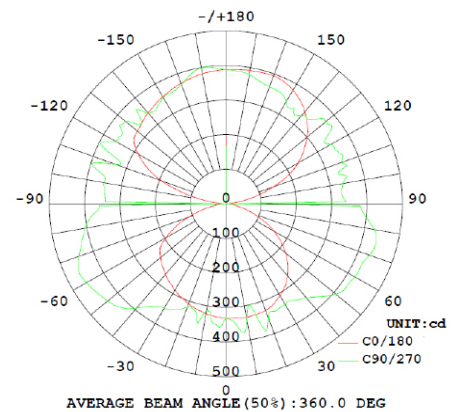
Annual Savings of \$61.00

10 month payback

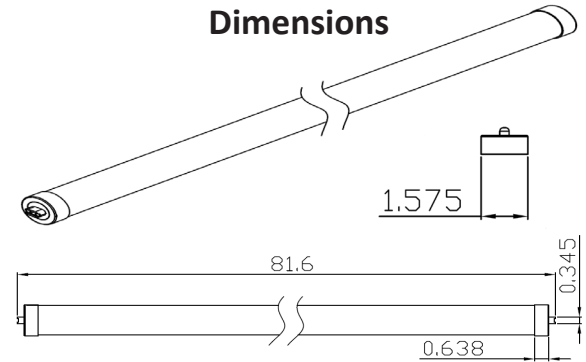
Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

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. Two-sided triangular heat sink offers 240° illumination, which eliminates shadows on single or double sided sign boxes. The stationary single pin Fa8 end caps mount into outdoor sign boxes on buildings or street signs with an external driver.

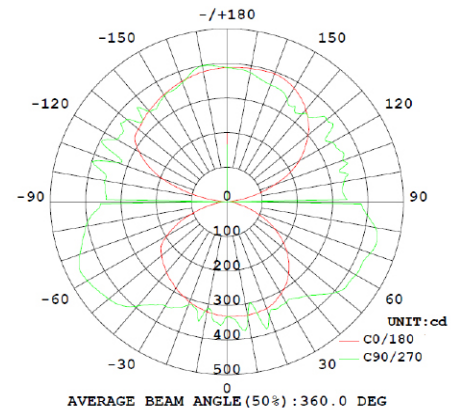
Product #	Watts	Lumens	lm/W
CT-D12048TSN	48	4,627	96.4

Key Features

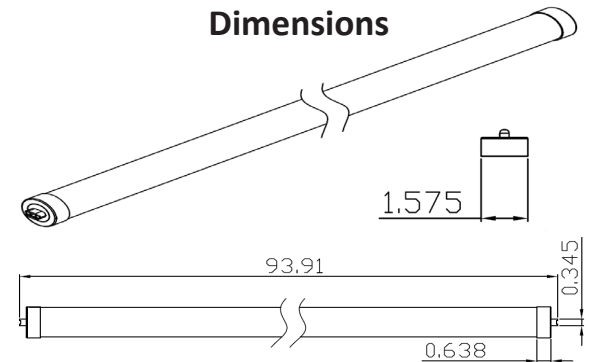
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 96 lumens per watt
- Color Rendering Index: 82
- 240° beam angle
- LED quantity: 324 chips
- Input voltage: AC 110V-277V
- Triangular aluminum heat sink offers 240° illumination
- External driver with orange 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 - F96 Replacement

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. Three-sided triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps mount into 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

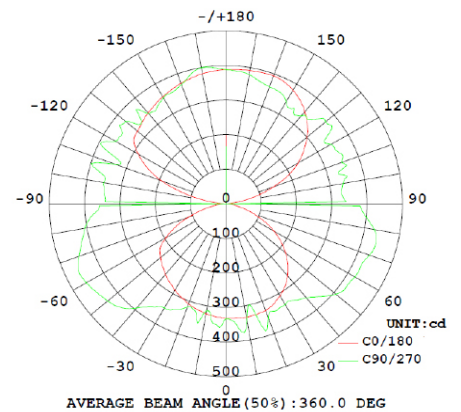
Annual Savings of \$65.20

10 month payback

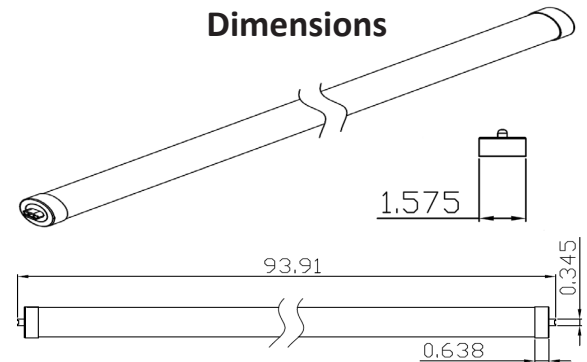
Calculations are based on 8,760 annual hours of operation and \$0.12 average cost per kWh

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 - F120 Replacement

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. Three-sided triangular heat sink offers 360° illumination, which eliminates shadows on single or double sided sign boxes. The stationary high output R17d end caps mount into outdoor sign boxes on buildings or street signs.

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

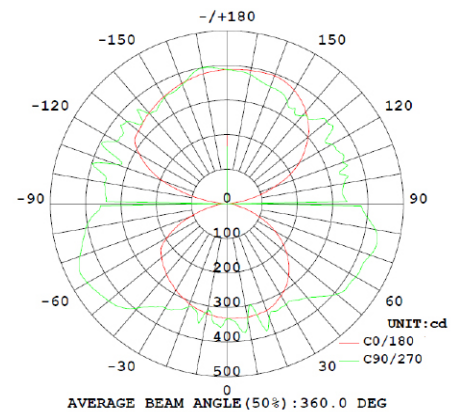
Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350411
- 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

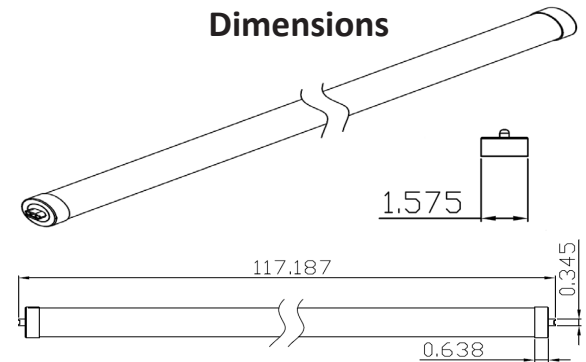


Luminous Intensity

*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 900 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	9.8	911	93.1

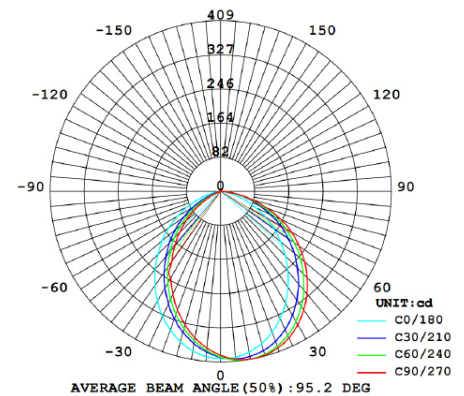
height (ft)	5'	6.5'	13'	15'	20'
footcandles	6.6	3.7	0.9	0.7	0.4

Key Features

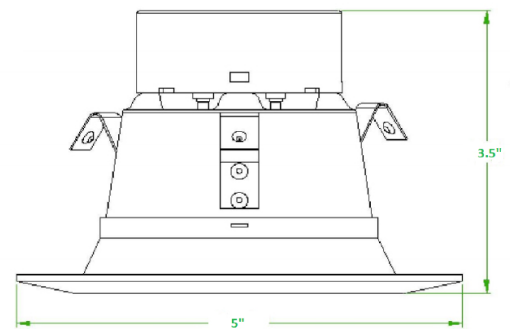
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E352186
- ENERGY STAR Certified
- Color Rendering Index: 80
- Protection class: IP40
- 93 lumens per watt
- Power factor > .9
- LED quantity: 48 chips
- Input voltage: AC 120V (SCR dimmable)
- Uses orange quick connect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



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 1,400 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	13.75	1,371	99.7

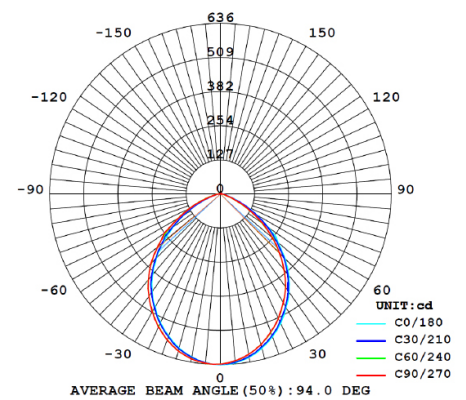
height (ft)	5'	6.5'	13'	15'	20'
footcandles	11	6	1.5	1.2	0.7

Key Features

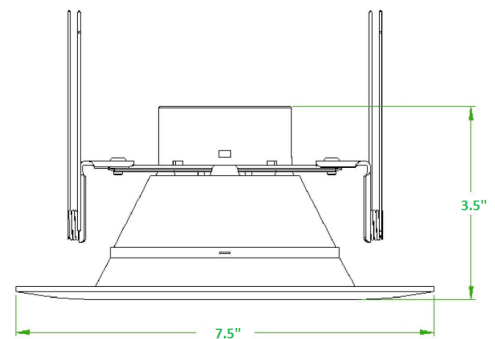
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E352186
- ENERGY STAR Certified
- Color Rendering Index: 80
- Protection class: IP40
- 100 lumens per watt
- Power factor > .9
- LED quantity: 72 chips
- Input voltage: AC 120V (SCR dimmable)
- Uses orange quick connect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



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' Flat Panel

Description

Carson's 36W 2' x 2' LED panels emit 4,400 lumens and have color-temperature switching capability. Powered by edge-lit technology and 0-10V dimming capability, the flat panels are aesthetic alternatives to traditional fluorescent troffers in drop ceilings. Compatible with emergency batteries for target applications such as offices, schools or hospitals.

Product #	Watts	Lumens	lm/W
CT-D01036PLT	36	4,396	125.6

height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	40	10	4.5	2.5	1.6

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350414
- DLC Qualified Product List
- 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 and emergency battery add-on options



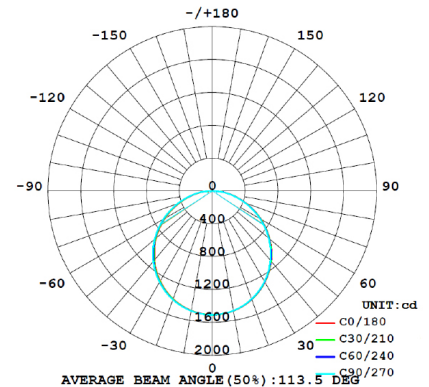
74% ROI

Annual Savings of \$14.72

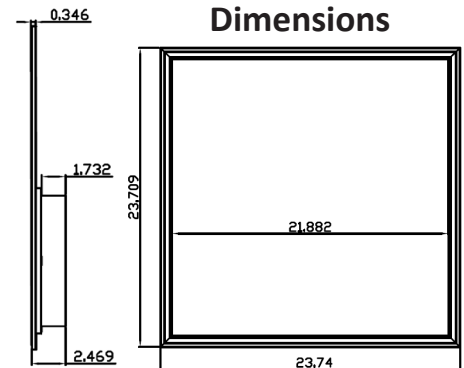
16 month payback

Calculations are based on 4,380 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

Series

Type

Color

Options

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

EB - Emergency Battery

1' x 4' Flat Panel

Description

Carson's 42W 1' x 4' LED panels emit 4,200 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 emergency batteries or occupancy sensors for target applications such as offices or hospitals.

Product #	Watts	Lumens	lm/W
CT-D01042PLN	42	4,184	100.7

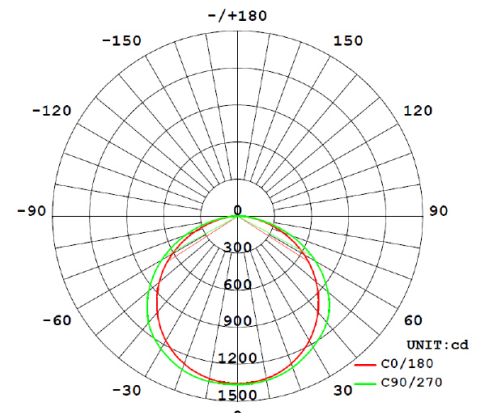
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	37	9	4.1	2.3	1.5

Key Features

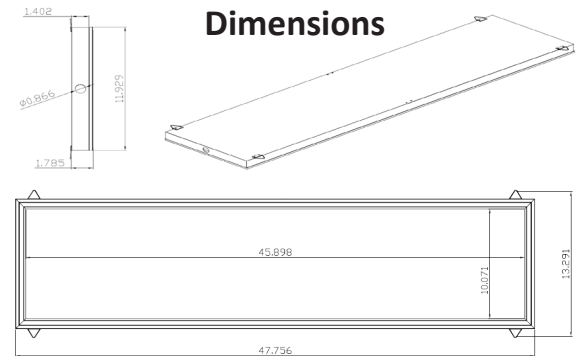
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E350414
- 101 lumens per watt
- LED quantity: 140 chips
- Input voltage: AC 110V-277V
- Aluminum white color trim
- Triangular hooks for earthquake precaution
- 0-10V dimmable constant current external driver
- 1/2" 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 and emergency battery add-on options



Luminous Intensity



Dimensions



Ordering Information: CT-D01042PLN

D

01

042

P

L

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - 0-10V Dimmable

042 - 42W/1' x 4'

P - Panel

L - Acrylic

W - 3500K

C - 4100K

N - 5000K

EB - Emergency Battery

2' x 4' Flat Panel

Description

Carson's 72W 2' x 4' LED panels emit 8,500 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 emergency batteries or occupancy sensors for target applications such as offices or schools.

Product #	Watts	Lumens	lm/W
CT-D01072PLN	72	8,499	117.9

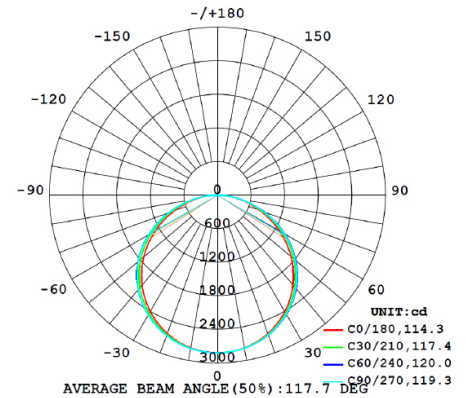
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	75	19	8	4.7	3.0

Key Features

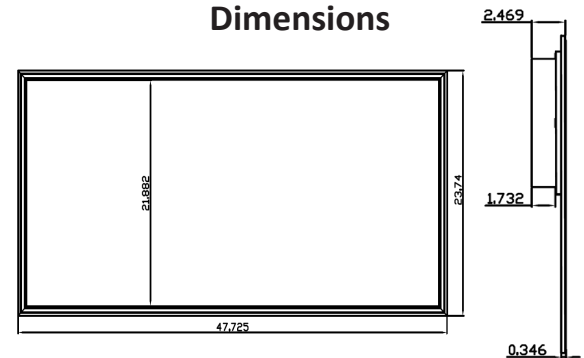
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: 350414
- DLC Qualified Product List
- 118 lumens per watt
- Color Rendering Index: 82
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Aluminum white color trim
- 0-10V dimmable constant current external driver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



Luminous Intensity



Dimensions



Ordering Information: CT-D01072PLN

D

01

072

P

L

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - 0-10V Dimmable

072 - 72W/2' x 4'

P - Panel

L - Acrylic

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

EB - Emergency Battery

2' x 2' Indirect Troffer

Description

Carson's 36W 2' x 2' LED indirect fixtures emit 3,300 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 emergency batteries or occupancy sensors for applications such as offices or hospitals.

Product #	Watts	Lumens	lm/W
CT-D01036ILN	36	3,323	102.1

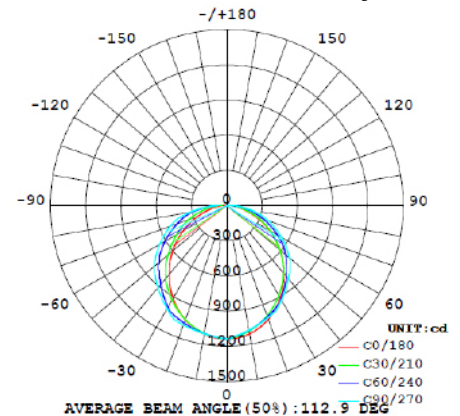
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	25	9	4.2	2.4	1.5

Key Features

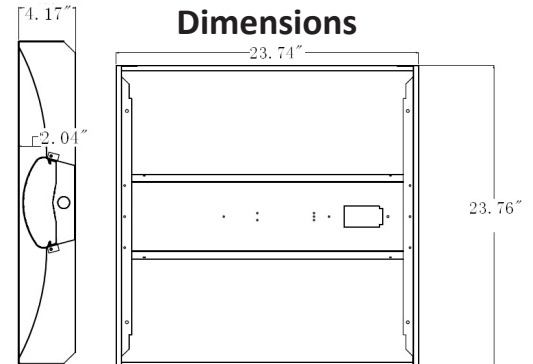
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E364448
- DLC Qualified Product List
- Color Rendering Index: 80
- LED quantity: 48 chips
- Input voltage: AC 110V-277V
- White powder-coated metal housing
- 0-10V dimmable constant current external driver
- Center basket 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
- Emergency battery add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D01036ILN

D

01

036

I

L

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - 0-10V Dimmable

036 - 36W/2' x 2'

I - Indirect

L - Acrylic

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

EB - Emergency Battery

2' x 4' Indirect Troffer

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 emergency batteries or occupancy sensors for applications such as offices or hospitals.

Product #	Watts	Lumens	lm/W
CT-D01062ILN	62	5,986	95.4

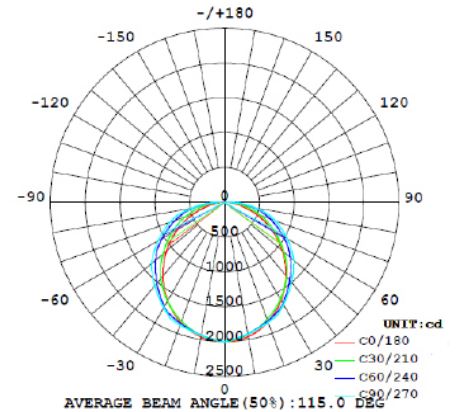
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	43	16	7	4	2.6

Key Features

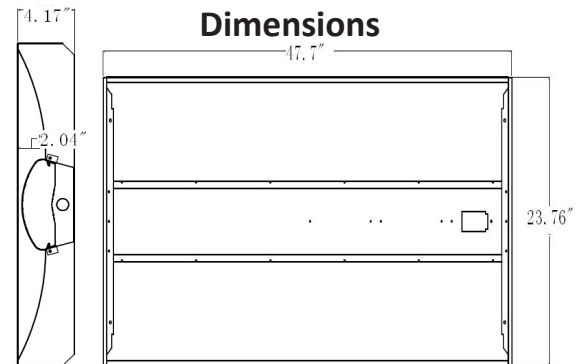
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E364448
- DLC Qualified Product List
- Color Rendering Index: 80
- LED quantity: 96 chips
- Input voltage: AC 110V-277V
- White powder-coated metal housing
- Emergency battery add-on option
- 0-10V dimmable constant current external driver
- 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

Series

Type

Color

Options

D - DC

01 - 0-10V Dimmable

062 - 62W/2' x 4'

I - Indirect

L - Acrylic

W - 3500K

C - 4100K

N - 5000K

EB - Emergency Battery

4' Wrap Around - Classic

Description

Carson's 4' linear 36W LED 2-lamp wrap around fixture delivers general ambient lighting for dry wall ceiling applications. Compatible with occupancy sensors and emergency batteries, 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	36	4,343	119.5

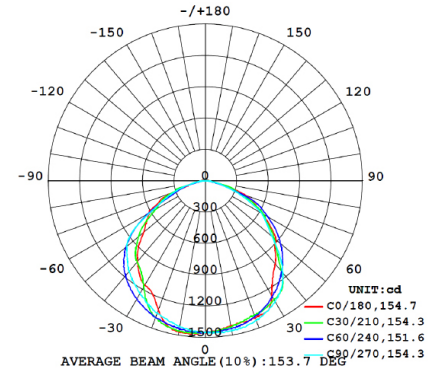
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	42	10	4.6	2.6	1.7

Key Features

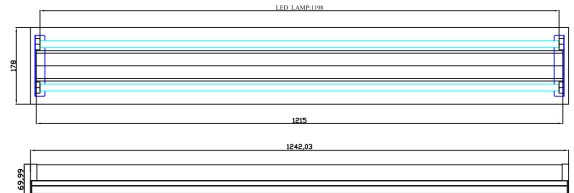
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Surface mount ceiling application
- Metal housing with plastic end caps
- Acrylic diffuser provides maximum light output
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockout for conduit electrical feed
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02036ABN

D	02	036	A	B	N	
Chip	Dimmable	Watts	Series	Type	Color	Options
D - DC	01 - Dimmable 02 - Non-dimmable 03 - 0-10V dimmable	036 - 36W/4 ft classic	A - Wrap Around	B - Clear F - Frosted G - Glass	W - 3500K C - 4100K N - 5000K	DS - Dimmable Sensor OS - On/Off Sensor EB - Emergency Battery

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 and emergency batteries, 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

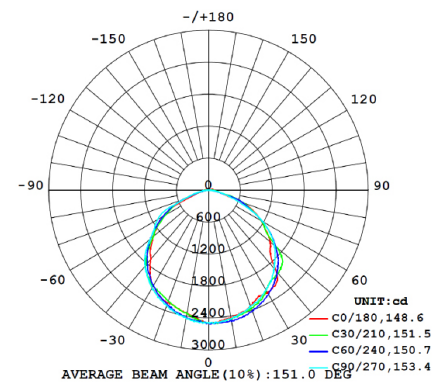
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	68	17	8	4.3	2.7

Key Features

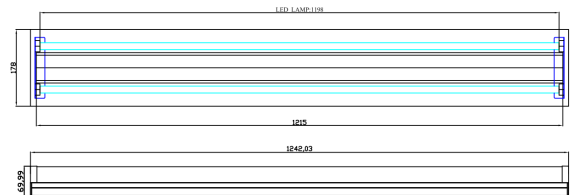
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Surface mount ceiling application
- Metal housing with plastic end caps
- Acrylic diffuser provides maximum light output
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockout for conduit electrical feed
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02064ABN

D

02

064

A

B

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
02 - Non-dimmable

064 - 62W/4 ft
classic

A - Wrap Around

B - Clear
F - Frosted

N - 5000K

DS - Dimmable Sensor
OS - On/Off Sensor
EB - Emergency Battery

4' Wrap Around - Curved

Description

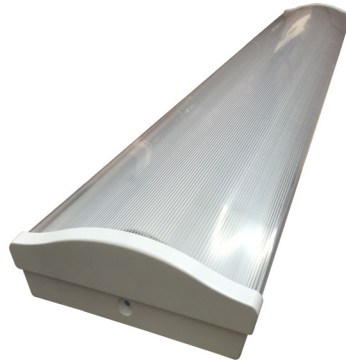
Carson's 4' linear 36W LED 2-lamp curved wrap around fixture delivers general ambient lighting for ceiling applications. Compatible with occupancy sensors and emergency batteries, the surface-mounted fixture has a metal housing with plastic end caps and acrylic diffuser. Ideal to replace F32 fluorescent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

Product #	Watts	Lumens	lm/W
CT-D02136ABN	36	4,343	119.5

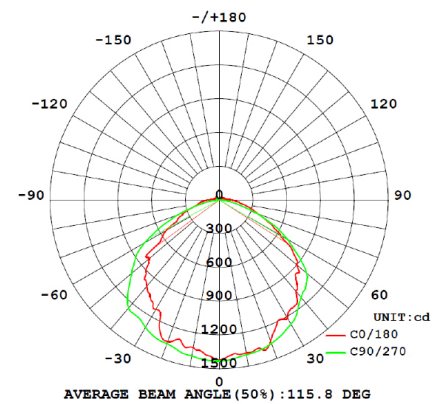
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	42	10	4.6	2.6	1.7

Key Features

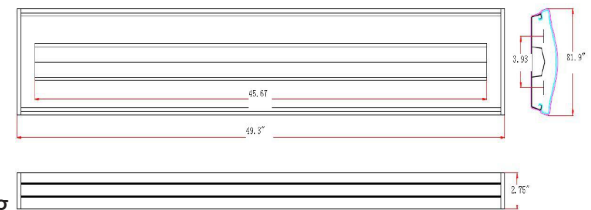
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Surface mount ceiling application
- Metal housing with plastic end caps
- Acrylic diffuser provides maximum light output
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockout for conduit electrical feed
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02136ABN

D

02

136

A

B

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
02 - Non-dimmable
03 - 0-10V dimmable

136 - 36W/4 ft curved

A - Wrap Around

B - Clear
F - Frosted
G - Glass

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

DS - Dimmable Sensor
OS - On/Off Sensor
EB - Emergency Battery

4' Wrap Around - Curved (HO)

Description

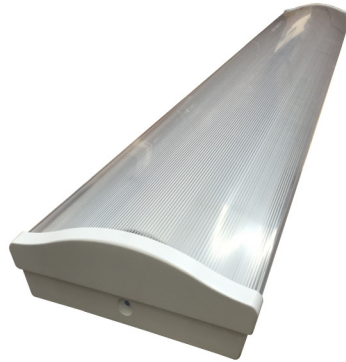
Carson's 4' linear 62W LED 2-lamp curved wrap around fixture delivers general ambient lighting for ceiling applications. Compatible with occupancy sensors and emergency batteries, the surface-mounted fixture has a metal housing with plastic end caps and acrylic diffuser. Ideal to replace F54 fluorescent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

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

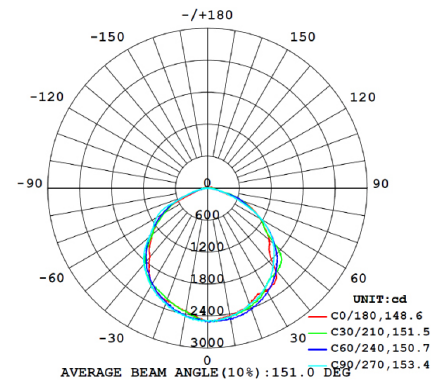
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	68	17	8	4.3	2.7

Key Features

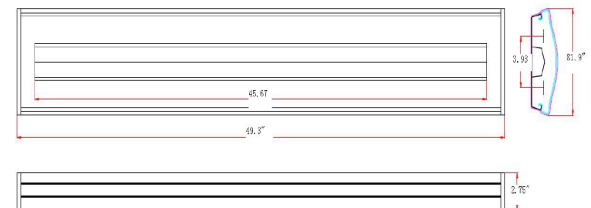
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Surface mount ceiling application
- Metal housing with plastic end caps
- Acrylic diffuser provides maximum light output
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockout for conduit electrical feed
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02164ABN

D

02

164

A

B

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
02 - Non-dimmable

164 - 62W/4 ft curved

A - Wrap Around

B - Clear
F - Frosted

N - 5000K

DS - Dimmable Sensor
OS - On/Off Sensor
EB - Emergency Battery

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 for the surface-mounted fixture. Ideal for applications such as plants, warehouses, and parking garages.

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

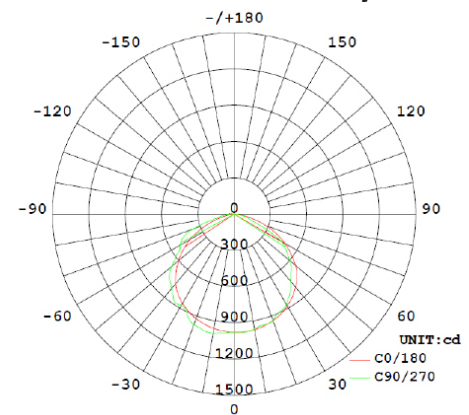
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	19	5	2.1	1.2	0.8

Key Features

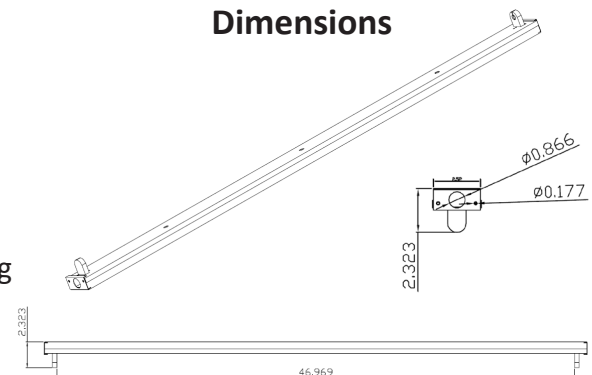
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- 127 lumens per watt
- LED quantity: 96 chips
- Input voltage: AC 110V-277V
- Surface mount ceiling application
- White powder-coated aluminum fixture
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockouts for conduit electrical feed
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02018FBN

D	02	018	F	B	N	
Chip	Dimmable	Watts	Series	Type	Color	Options
D - DC	01 - Dimmable 02 - Non-dimmable 03 - 0-10V dimmable	018 - 18W/4 ft 032 - 32W/4 ft	F - Linear Strip	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K	DS - Dimmable Sensor OS - On/Off Sensor EB - Emergency Battery

4' Strip - (Jack Chain)

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 for the jack chain mount fixture. Ideal for applications such as plants, warehouses, and parking garages.

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

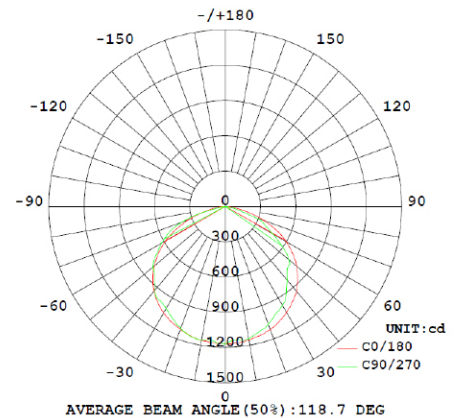
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	27	7	3	1.7	1.1

Key Features

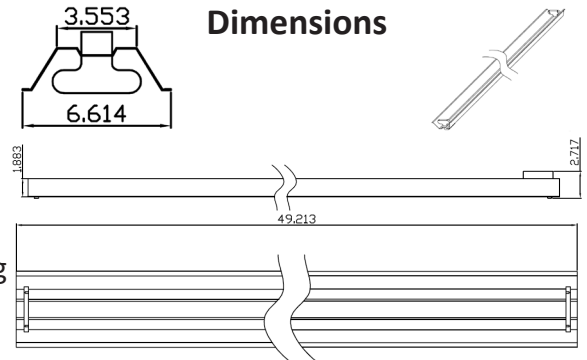
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains
- Frosted or clear polycarbonate lens
- White powder-coated aluminum fixture
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockouts on junction box for conduit electrical feed
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02036FBN

D

02

036

F

B

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
02 - Non-dimmable

036 - 36W/4 ft

F - Linear Strip

B - Clear
F - Frosted
G - Glass

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

DS - Dimmable Sensor
OS - On/Off Sensor

4' Strip - HO (Jack Chain)

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 for the jack chain mount fixture. Ideal for applications such as plants, warehouses, and parking garages.

80% ROI

Annual Savings of \$23.13

15 month payback

Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

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

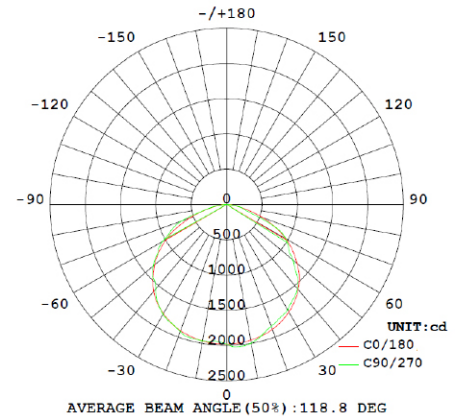
height (ft)	1.5'	5'	8'	11.5'	15'
footcandles	27	7	3	1.7	1.1

Key Features

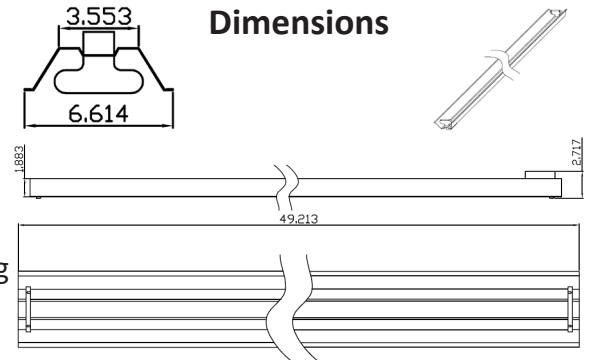
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains
- Frosted or clear polycarbonate lens
- White powder-coated aluminum fixture
- Single-sided G13 power end inserts into unshunted tombstone
- 1/2" knockouts on junction box for conduit electrical feed
- Built-in internal driver - bypass external ballast
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02064FBN

D

02

064

F

B

N

Chip	Dimmable	Watts	Series	Type	Color	Options
D - DC	01 - Dimmable 02 - Non-dimmable	064 - 62W/4 ft	F - Linear Strip	B - Clear F - Frosted	N - 5000K	DS - Dimmable Sensor OS - On/Off Sensor

4' Strip - (Surface Mount)

Description

Carson's 36W linear 4' LED 2-lamp surface mount 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-D02136FBN	36	3,453	96.3

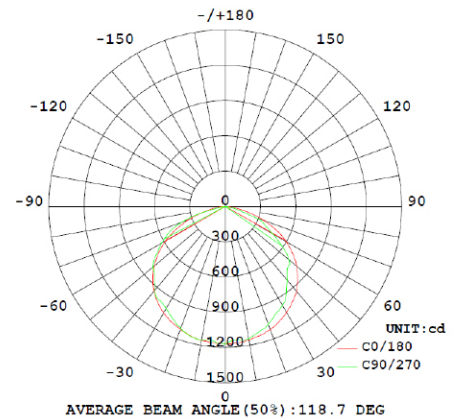
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	27	7	3	1.7	1.1

Key Features

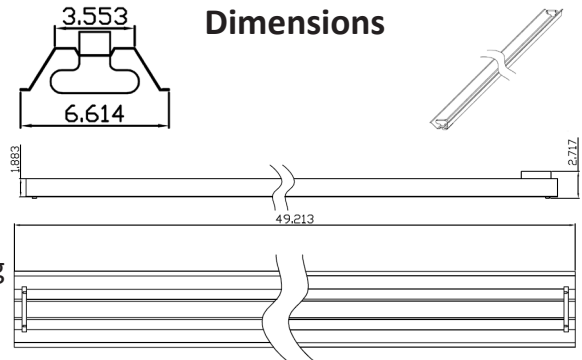
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- 96 lumens per watt
- LED quantity: 192 chips
- Input voltage: AC 110V-277V
- Frosted or clear polycarbonate lens
- White powder-coated aluminum fixture
- Surface mount with side access for 1/2" electrical feed
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02136FBN

D

02

136

F

B

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
02 - Non-dimmable
03 - 0-10V dimmable

136 - 36W/4 ft

F - Linear Strip

B - Clear
F - Frosted
G - Glass

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

DS - Dimmable Sensor
OS - On/Off Sensor
EB - Emergency Battery

4' Strip - HO (Surface Mount)

Description

Carson's 62W linear 4' LED 2-lamp surface mount 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.

Product #	Watts	Lumens	lm/W
CT-D02164FBN	62	6,096	98.2

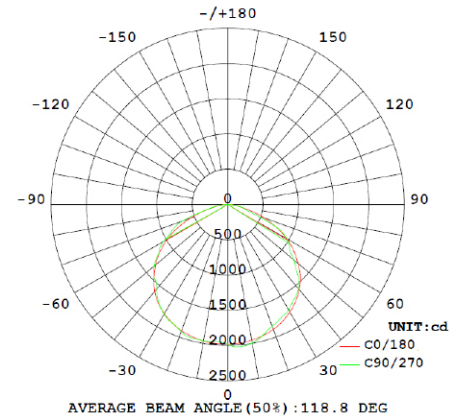
height (ft)	1.5'	5'	8'	11.5'	15'
footcandles	27	7	3	1.7	1.1

Key Features

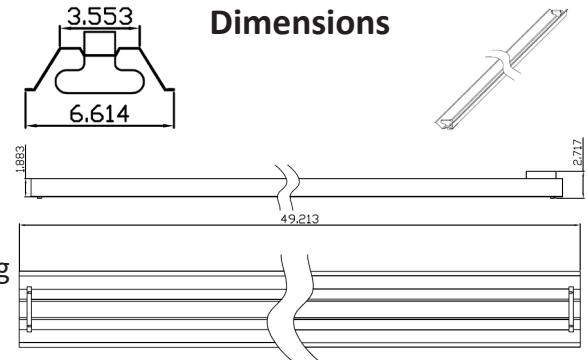
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- 98 lumens per watt
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Frosted or clear polycarbonate lens
- White powder-coated aluminum fixture
- Surface mount with side access for 1/2" electrical feed
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02164FBN

D	02	164	F	B	N	
Chip	Dimmable	Watts	Series	Type	Color	Options
D - DC	01 - Dimmable 02 - Non-dimmable	164 - 62W/4 ft	F - Linear Strip	B - Clear F - Frosted	N - 5000K	DS - Dimmable Sensor OS - On/Off Sensor EB - Emergency Battery

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 for the jack chain mount fixture. Ideal for applications such as plants, warehouses, and parking garages.

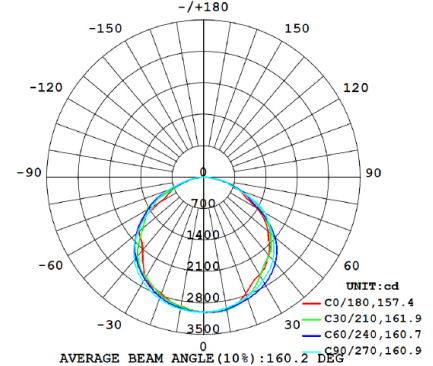
Product #	Watts	Lumens	lm/W
CT-D02072FBN	72	7,704	96.3

Key Features

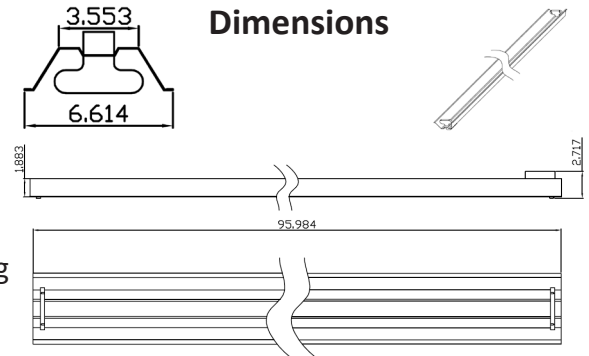
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains
- Frosted or clear polycarbonate lens
- White powder-coated aluminum fixture
- Built-in internal driver - bypass external ballast
- Stationary Fa8 power ends insert into single pin lampholder
- 1/2" knockouts on junction box for conduit electrical feed
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02072FBN

D	02	072	F	B	N	
Chip	Dimmable	Watts	Series	Type	Color	Options
D - DC	02 - Non-dimmable	072 - 72W/8 ft	F - Linear Strip	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K	DS - Dimmable Sensor OS - On/Off Sensor

150W Circular High Bay

Description

Carson's 149W circular 19" LED acrylic high bay delivers 15,000 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 emergency batteries, 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	149	17,656	105.7

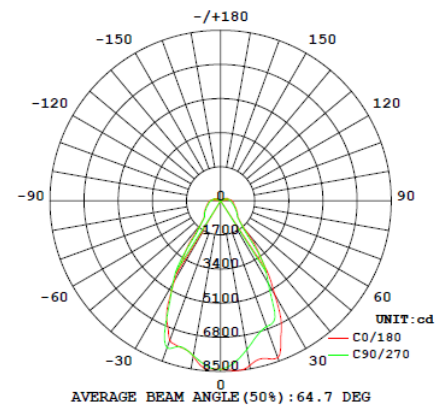
height (ft)	16.5'	19.5'	23'	26'	29.5'
footcandles	29	20	15	11	9

Key Features

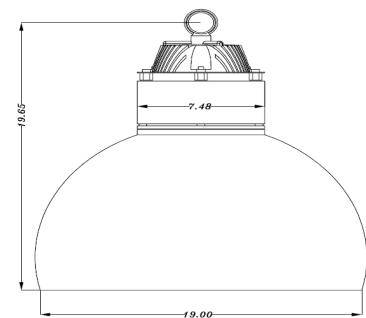
- Uses Cree COB chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- DLC Qualified Product List
- Color Rendering Index: 86
- LED quantity: 2 chips
- Input voltage: AC 110V-277V
- Sunon fan pulls rising heat waves
- Emergency battery add-on option
- 0-10V dimmable constant current 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	Series	Type	Color	Options
D - DC	01 - 0-10V Dimmable 02 - Non-dimmable	150 - 149W	H - High Bay	A - Acrylic B - Industrial	N - 5000K	EB - Emergency Battery

200W Circular High Bay

Description

Carson's 205W circular 19" LED acrylic high bay delivers almost 20,000 lumens with illumination performance greater than 400W metal halide high bay luminaire or 4-lamp high output F54 linear high bay. Compatible with emergency batteries, 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-D01200HAN	205	19,536	95.1

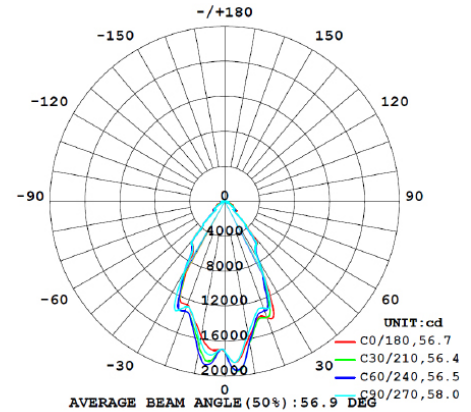
height (ft)	16.5'	19.5'	23'	26'	29.5'
footcandles	41	29	21	16	13

Key Features

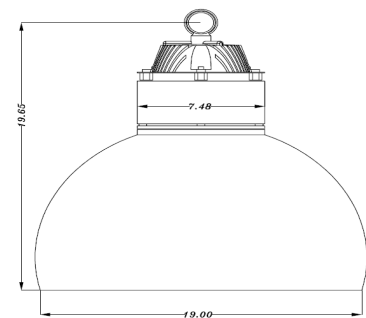
- Uses Cree COB chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- DLC Qualified Product List
- Color Rendering Index: 85
- LED quantity: 3 chips
- Input voltage: AC 110V-277V
- Sunon fan pulls rising heat waves
- Emergency battery add-on option
- 0-10V dimmable constant current 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-D01200HAN

D	01	200	H	A	N		
Chip	Dimmable	Watts	Series	Type	Color	Options	
D - DC	01 - 0-10V Dimmable 02 - Non-dimmable	200 - 205W	H - High Bay	A - Acrylic B - Industrial	N - 5000K	EB - Emergency Battery	

250W 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 emergency batteries, 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

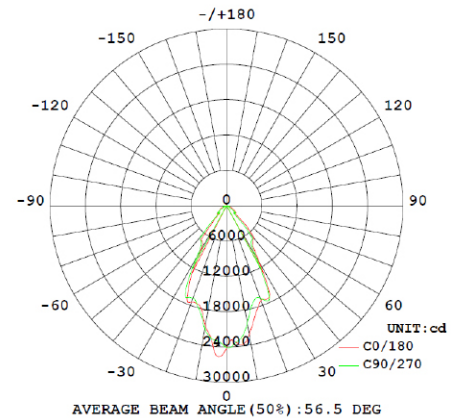
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	1365	341	152	85	55

Key Features

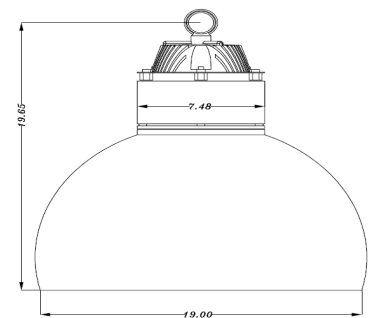
- Uses Cree COB chip
- Uses Meanwell driver
- Rated for 50,000 hours
- 10 year warranty
- 94 lumens per watt
- LED quantity: 4 chips
- Input voltage: AC 110V-277V
- Sunon fan pulls rising heat waves
- Emergency battery add-on option
- 0-10V dimmable constant current driver
- Aluminum alloy hook or lock 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	Series	Type	Color	Options	
D - DC	01 - 0-10V Dimmable 02 - Non-dimmable	250 - 257W	H - High Bay	A - Acrylic B - Industrial	N - 5000K	EB - Emergency Battery	

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. The acrylic or industrial high bay can be used in retail stores, gymnasiums, or other applications with high ceilings.

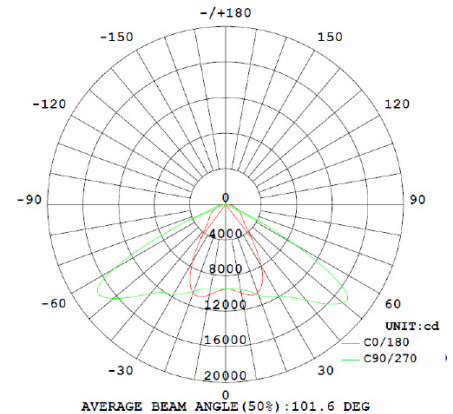
Product #	Watts	Lumens	lm/W
CT-D02400HAN	400	37,680	94.2

Key Features

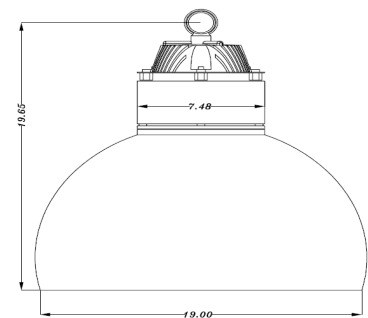
- Uses Cree COB chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- 94 lumens per watt
- Power Factor > 0.99
- LED quantity: 5 chips
- Input voltage: AC 110V-277V
- Sunon fan pulls rising heat waves
- 0-10V dimmable constant current driver
- Aluminum alloy hook or lock nut adapter 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 70W LED 4-lamp T8 high bay delivers 8,800 lumens with illumination performance equal to replacement of 4-lamp F32 fluorescent high bay. Compatible with emergency batteries 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	70	8,811	126.3

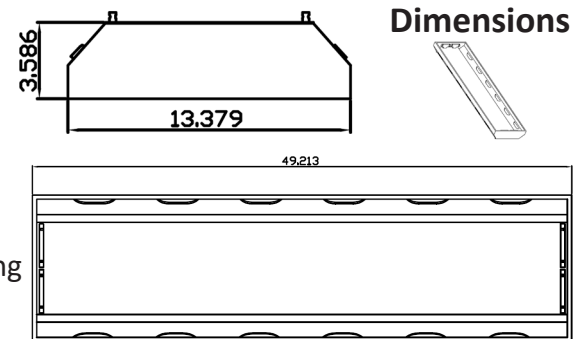
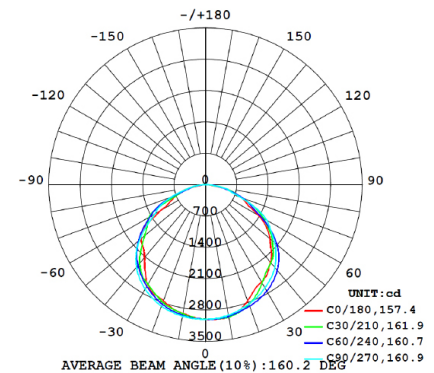
height (ft)	10'	13'	16.5'	19.5'	23'
footcandles	9	5	3.2	2.2	1.6

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- 126 lumens per watt
- 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
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Ordering Information: CT-D02072RBN

D	02	072	R	B	N		
Chip	Dimmable	Watts	Series	Type	Color	Options	
D - DC	01 - Dimmable 02 - Non-dimmable 03 - 0-10V dimmable	072 - 70W/4-lamp	R - T8 High Bay	B - Clear F - Frosted G - Glass	W - 3500K C - 4100K N - 5000K	DS - Dimmable Sensor OS - On/Off Sensor EB - Emergency Battery	

Linear T8 High Bay - HO (4-Lamp)

Description

Carson's 4' linear 123W LED 4-lamp T8 high bay delivers 15,000 lumens with illumination performance equal to replacement of 4-lamp F54 fluorescent high bay. Compatible with emergency batteries or occupancy sensors, the white powder-coated aluminum high bay fixture mounts via jack chains in plants, warehouses, and other applications with high ceilings.

72% ROI

Annual Savings of \$46.25

16 month payback

Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D02128RBN	123	15,407	125.6

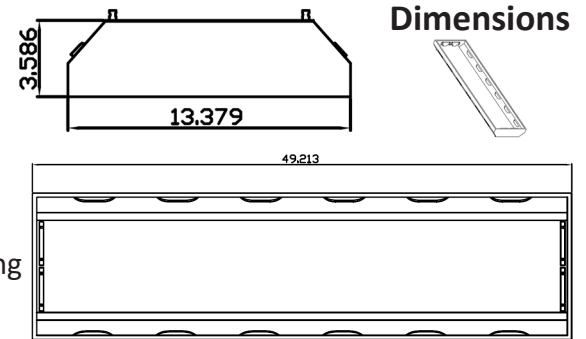
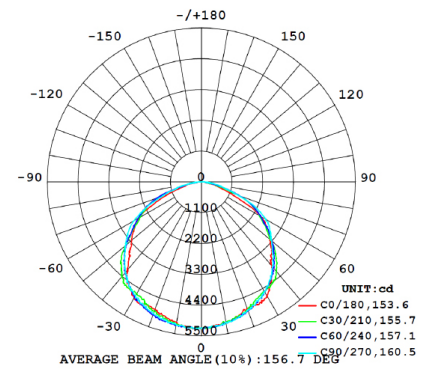
height (ft)	10'	13'	16.5'	19.5'	23'
footcandles	8	5	3.6	2.7	2.0

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- 125 lumens per watt
- 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
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Ordering Information: CT-D02128RBN

D

02

128

R

B

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
02 - Non-dimmable

128 - 123W/4-lamp

R - T8 High Bay

B - Clear
F - Frosted

N - 5000K

DS - Dimmable Sensor
OS - On/Off Sensor
EB - Emergency Battery

Linear T8 High Bay - (6-Lamp)

Description

Carson's 4' linear 105W LED 6-lamp T8 high bay delivers 13,000 lumens with illumination performance equal to replacement of 6-lamp F32 fluorescent high bay. Compatible with emergency batteries 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	105	13,246	126.5

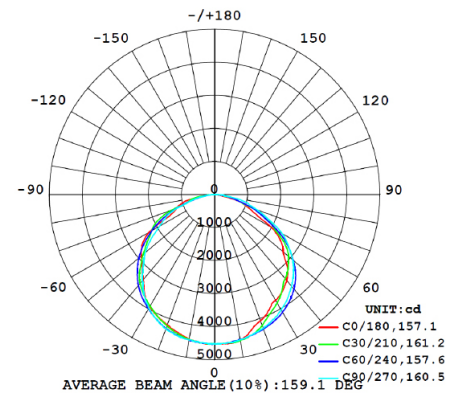
height (ft)	13'	16.5'	19.5'	23'	26'
footcandles	8	5.2	3.6	2.7	1.8

Key Features

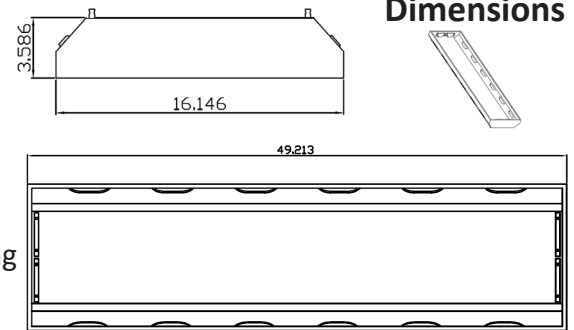
- Uses Epistar SMD2835 chip
- UL listing: E357799
- Rated for 50,000 hours
- 10 year warranty
- 127 lumens per watt
- LED quantity: 576 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains and hooks
- White powder-coated aluminum fixture
- Single-sided G13 power end inserts into unshunted tombstone
- Built-in internal driver - bypass external ballast
- 1/2" knockouts for conduit electrical feed
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02108RBN

D	02	108	R	B	N		
Chip	Dimmable	Watts	Series	Type	Color	Options	
D - DC	01 - Dimmable 02 - Non-dimmable 03 - 0-10V dimmable	108 - 105W/6-lamp	R - T8 High Bay	B - Clear F - Frosted G - Glass	W - 3500K C - 4100K N - 5000K	DS - Dimmable Sensor OS - On/Off Sensor EB - Emergency Battery	

Linear T8 High Bay - HO (6-Lamp)

Description

Carson's 4' linear 185W LED 6-lamp T8 high bay delivers 23,000 lumens with illumination performance equal to replacement of 6-lamp F54 fluorescent high bay. Compatible with emergency batteries 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	185	23,127	125.2

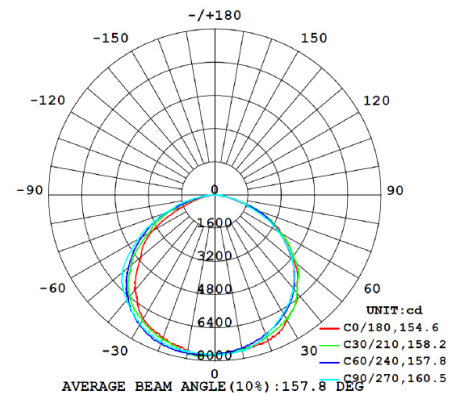
height (ft)	13'	16.5'	19.5'	23'	26'
footcandles	13	8	5.7	4.2	3.2

Key Features

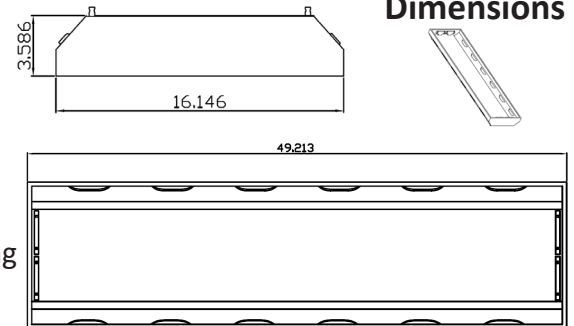
- Uses Epistar SMD2835 chip
- UL listing: E357799
- Rated for 50,000 hours
- 10 year warranty
- 125 lumens per watt
- LED quantity: 1152 chips
- Input voltage: AC 110V-277V
- Mounting: jack chains and hooks
- White powder-coated aluminum fixture
- Single-sided G13 power end inserts into unshunted tombstone
- Built-in internal driver - bypass external ballast
- 1/2" knockouts for conduit electrical feed
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02192RBN

D

02

192

R

B

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
02 - Non-dimmable

192 - 185W/6-lamp

R - T8 High Bay

B - Clear
F - Frosted

N - 5000K

DS - Dimmable Sensor
OS - On/Off Sensor
EB - Emergency Battery

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 emergency batteries or 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.

Product #	Watts	Lumens	lm/W
CT-D02020VBN	20	2,326	116.3

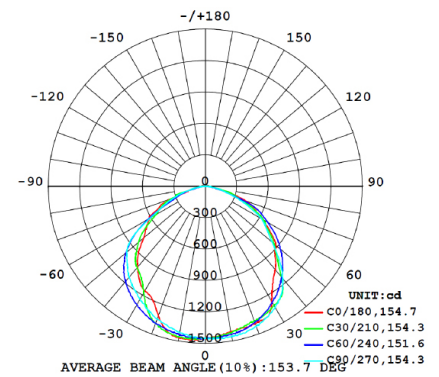
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	24	6	2.6	1.5	1.0

Key Features

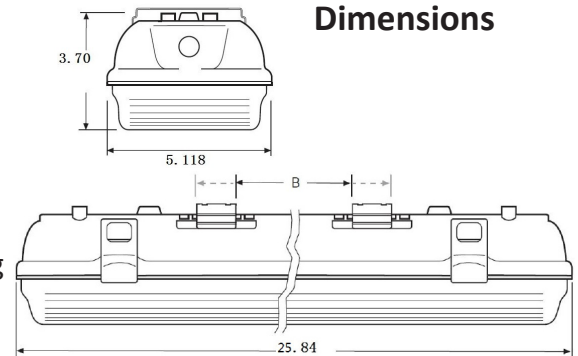
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- Protection class: IP64
- LED quantity: 144 chips
- Flush surface mount
- Input voltage: AC 110V-277V
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02020VBN

D	02	020	V	B	N		
Chip	Dimmable	Watts	Series	Type	Color	Options	
D - DC	01 - Dimmable 02 - Non-dimmable	020 - 20W/2 ft	V - Vapor Tight	B - Clear F - Frosted	W - 3500K C - 4100K N - 5000K	DS - Dimmable Sensor OS - On/Off Sensor EB - Emergency Battery	

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 emergency batteries 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-D02036VBN	35	4,067	116.3

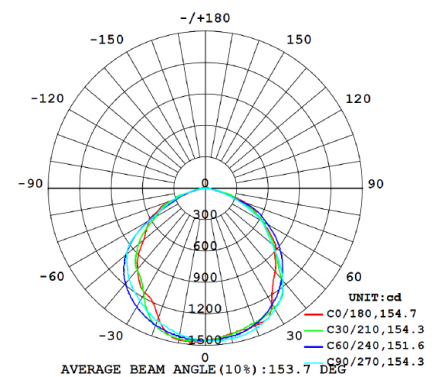
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	45	11	5	2.8	1.8

Key Features

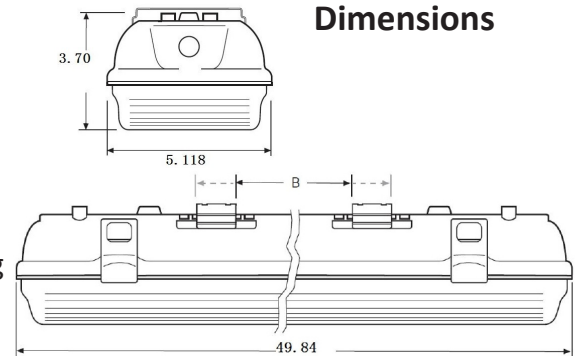
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- Protection class: IP64
- LED quantity: 192 chips
- Flush surface mount
- Input voltage: AC 110V-277V
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02036VBN

D

02

036

V

B

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
 02 - Non-dimmable
 03 - 0-10V dimmable

036 - 35W/4 ft

V - Vapor Tight

B - Clear
 F - Frosted
 G - Glass

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

DS - Dimmable Sensor
 OS - On/Off Sensor
 EB - Emergency Battery

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 emergency batteries 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-D02064VBN	62	6,961	113.0

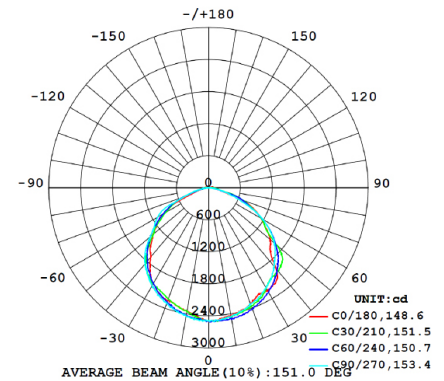
height (ft)	6.5'	10'	13'	16.5'	20'
footcandles	19	8	4.6	3.0	2.1

Key Features

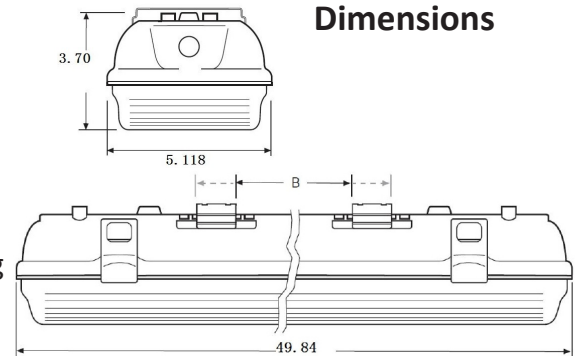
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- Protection class: IP64
- LED quantity: 384 chips
- Flush surface mount
- Input voltage: AC 110V-277V
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02064VBN

D	02	064	V	B	N		
Chip	Dimmable	Watts	Series	Type	Color	Options	
D - DC	01 - Dimmable 02 - Non-dimmable	064 - 62W/4 ft	V - Vapor Tight	B - Clear F - Frosted	N - 5000K	DS - Dimmable Sensor OS - On/Off Sensor EB - Emergency Battery	

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 emergency batteries 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.

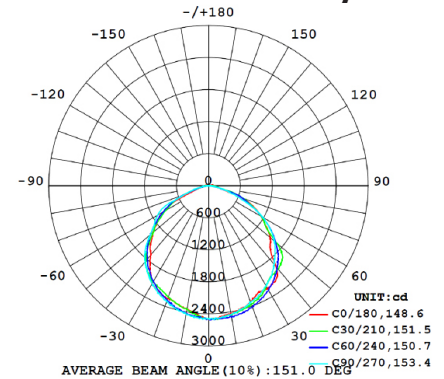
Product #	Watts	Lumens	lm/W
CT-D02472VFN	72	6,336	88.0

Key Features

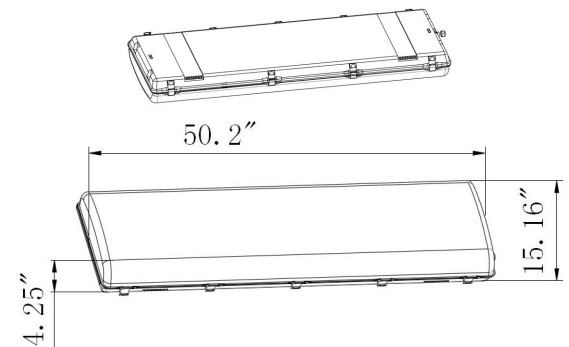
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- Protection class: IP64
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Flush surface mount
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02472VFN

D

02

472

V

F

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
 02 - Non-dimmable
 03 - 0-10V dimmable

472 - 72W/4 ft

V - Vapor Tight

B - Clear
 F - Frosted
 G - Glass

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

DS - Dimmable Sensor
 OS - On/Off Sensor
 EB - Emergency Battery

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 emergency batteries 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-D02108VFN	105	9,230	88.1

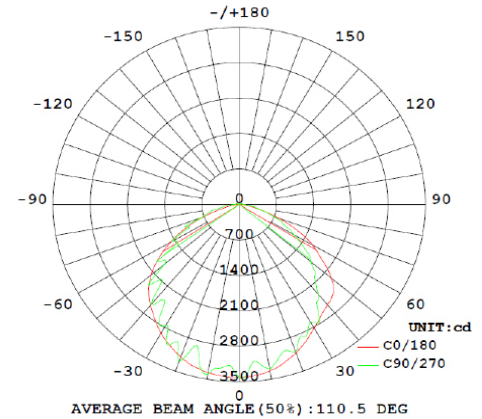
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	82	20	9	5.1	3.3

Key Features

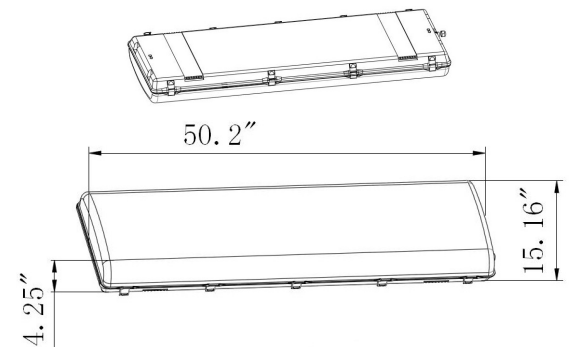
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E468194
- Protection class: IP64
- LED quantity: 576 chips
- Input voltage: AC 110V-277V
- Flush surface mount
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02108VFN

D

02

108

V

F

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
02 - Non-dimmable
03 - 0-10V dimmable

108 - 105W/4 ft

V - Vapor Tight

B - Clear
F - Frosted
G - Glass

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

DS - Dimmable Sensor
OS - On/Off Sensor
EB - Emergency Battery

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 emergency batteries 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.

68% ROI

Annual Savings of \$29.43

17 month payback

Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

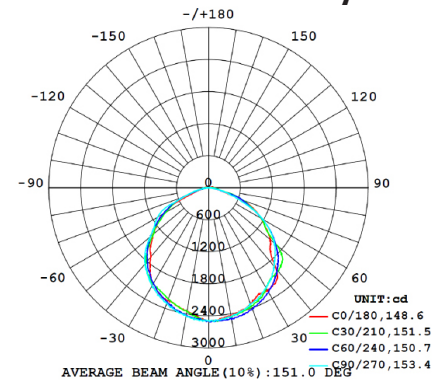
Product #	Watts	Lumens	lm/W
CT-D02072VFN	72	6,343	88.1

Key Features

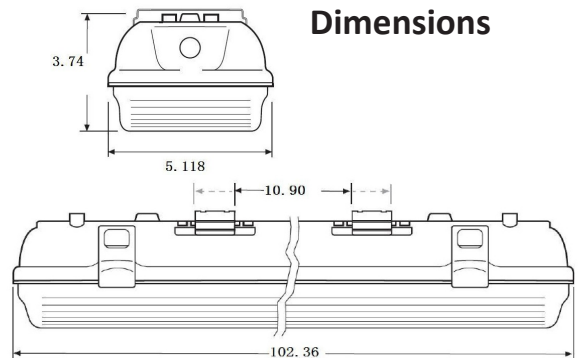
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- Protection class: IP64
- LED quantity: 384 chips
- Input voltage: AC 110V-277V
- Flush surface mount
- Stainless steel metal fastener clips
- Fiberglass housing with high impact acrylic lens
- Built-in internal driver - bypass external ballast
- Single-sided G13 power end inserts into unshunted tombstone
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02072VFN

D

02

072

V

F

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

01 - Dimmable
02 - Non-dimmable
03 - 0-10V dimmable

072 - 72W/8 ft

V - Vapor Tight

B - Clear
F - Frosted
G - Glass

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

DS - Dimmable Sensor
OS - On/Off Sensor
EB - Emergency Battery

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 emergency batteries 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-D02128VFN	128	11,277	88.1

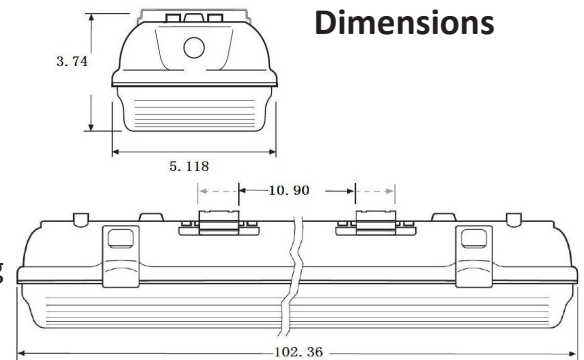
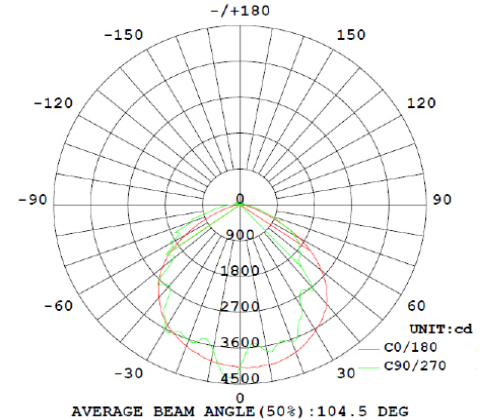
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	125	31	14	8	5

Key Features

- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- Protection class: IP64
- 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
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off motion sensor add-on option



Luminous Intensity



Ordering Information: CT-D02128VFN

D	02	128	V	F	N	
Chip	Dimmable	Watts	Series	Type	Color	Options
D - DC	01 - Dimmable 02 - Non-dimmable	128 - 128W/8 ft	V - Vapor Tight	B - Clear F - Frosted	N - 5000K	DS - Occupancy Sensor OS - On/Off Sensor EB - Emergency Battery

15W Wall Pack

Description

Carson's 15W LED wall pack reduces energy consumption by 75% when comparing to 70W HPS fixtures. Compatible with on/off 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.

83% ROI

Annual Savings of \$28.91

14 month payback

Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

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

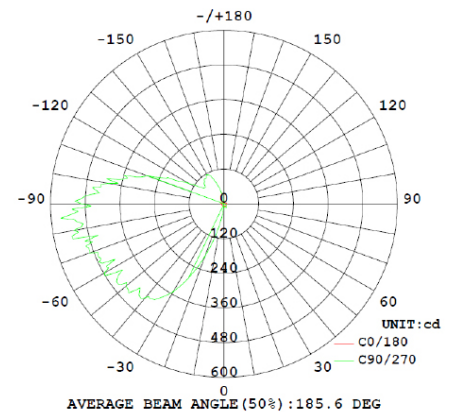
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	5	1.3	0.6	0.3	0.2

Key Features

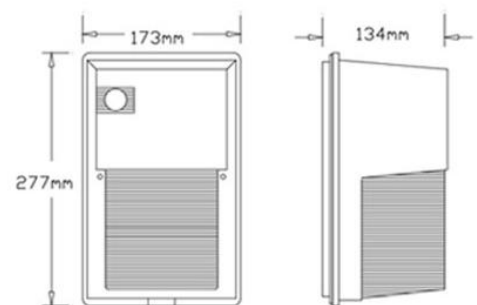
- Uses Epistar SMD2835 chip
- Rated for 50,000 hours
- 5 year warranty
- UL listing: E480440
- 97 lumens per watt
- Input voltage: AC 110V-277V
- LED quantity: 15 chips
- Black die-cast aluminum housing
- Corrosion resistant and electro-coat finish
- Built-in on/off photocell sensor
- Surface mount with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



Luminous Intensity



Dimensions



Ordering Information: CT-D02015WPN

D	02	015	W	P	N		
Chip	Dimmable	Watts	Series	Type	Color	Options	
D - DC	01 - 0-10V Dimmable 02 - Non-dimmable	015 - 15W	W - Wall Pack	P - Lexan	W - 3000K N - 5000K	PC - On/Off Photocell	

50W 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.

175% ROI

Annual Savings of \$52.56

7 month payback

Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

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

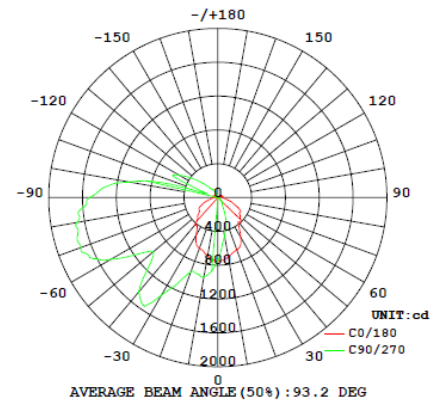
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	31	8	3.4	1.9	1.2

Key Features

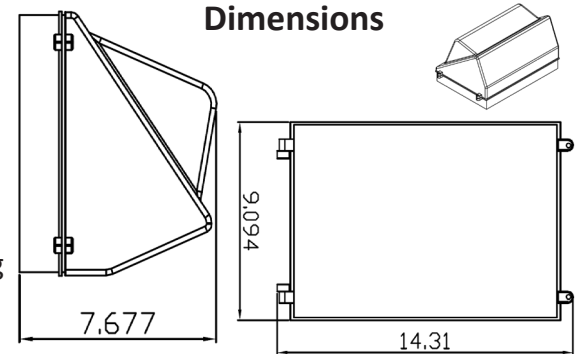
- Uses 2 Cree COB chip
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- DLC Qualified Product List
- Input voltage: AC 110V-277V
- Bronze die-cast aluminum housing
- Surface mount with top or side access for conduit electrical feed
- Driver and cooling fin placement allows back side access
- Silicone gasketing seals lens (suitable for wet locations)
- Corrosion resistant full cut off shield add-on option
- 0-10V dimmable driver or 480V transformer options
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off photocell sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02050WPN

D

02

050

W

P

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

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

050 - 48W

W - Wall Pack

P - Glass lens
F - Full Cutoff

W - 3000K
N - 5000K

DS - Dimmable Sensor
PC - On/Off Photocell
480 - 480V Transformer

90W Wall Pack

Description

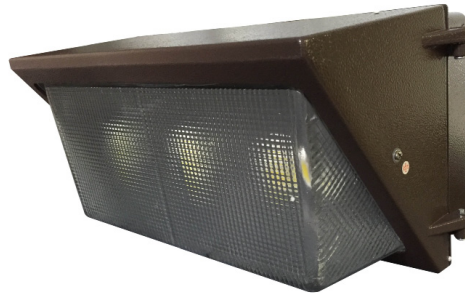
Carson's 87W LED wall pack reduces energy consumption by 60% when compared to traditional 250W HPS fixtures. The wet location, die-cast aluminum housing has a dark bronze finish. Surface mount with top or side electrical conduit access for applications such as building facades. Options include 0-10V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

Product #	Watts	Lumens	lm/W
CT-D02090WPN	87	10,295	100.9

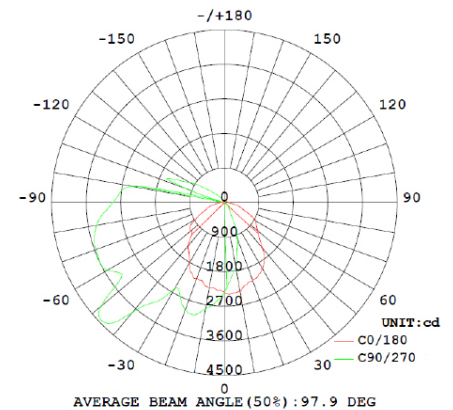
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	89	22	10	5.5	3.5

Key Features

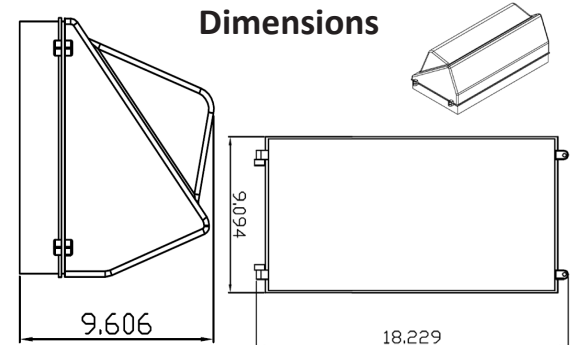
- Uses 3 Cree COB chips
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- DLC Qualified Product List
- Color Rendering Index: 83
- Input voltage: AC 110V-277V
- Bronze die-cast aluminum housing
- Surface mount with top or side access for conduit electrical feed
- Driver and cooling fin placement allows back side access
- Silicone gasketing seals lens (suitable for wet locations)
- 0-10V dimmable driver or 480V transformer options
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off photocell sensor add-on option



Luminous Intensity



Dimensions



Ordering Information: CT-D02090WPN

D

02

090

W

P

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

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

090 - 87W

W - Wall Pack

P - Glass lens
F - Full Cutoff

N - 5000K

DS - Dimmable Sensor
PC - On/Off Photocell
480 - 480V Transformer

32W Canopy

Description

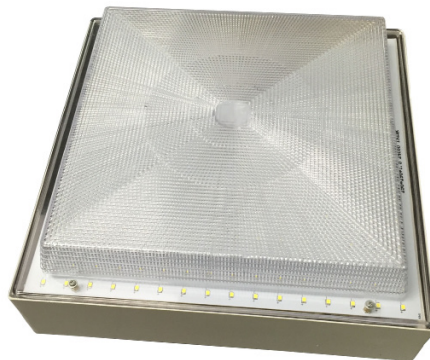
Carson's 33W 12" x 12" LED canopy light tube emits 2,500 lumens and saves 55% in energy costs when compared to 70W metal halide fixtures. Available in natural white color temperature, the beige powder-coated die-cast aluminum fixture has side access for 1/2" electrical conduit. Ideal for underpasses,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

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

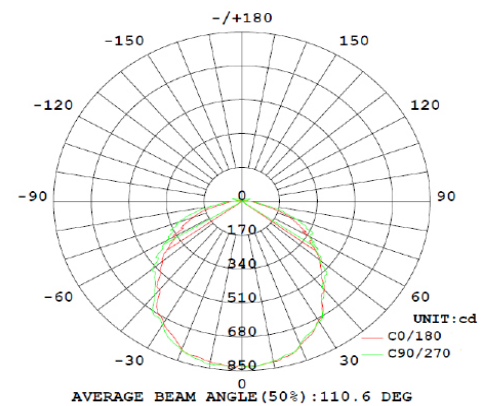
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	26	6	2.9	1.6	1.0

Key Features

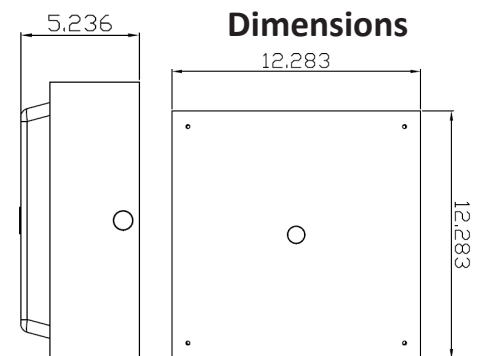
- Uses Epistar SMD2835 chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- Protection class: IP65
- 76 lumens per watt
- Power factor > .96
- LED quantity: 196 chips
- Input voltage: AC 110V-277V
- Acrylic prismatic reflector lens
- Beige powder-coated die-cast 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 - 3000K N - 5000K

130W Canopy

Description

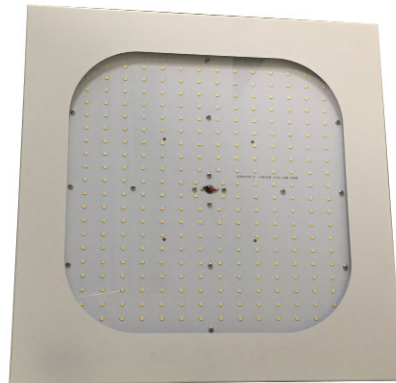
Carson's 130W 2' x 2' LED canopy light tube emits 14,000 lumens and saves 60% in energy costs when compared to 320W metal halide fixtures. Available in natural white color temperature, the white powder-coated die-cast aluminum fixture is low profile with easy access installation. Ideal for under canopy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

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

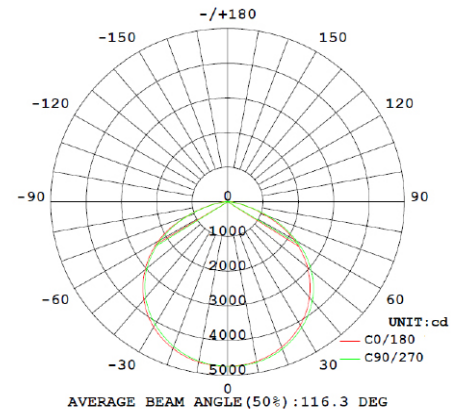
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	117	29	13	7	4.7

Key Features

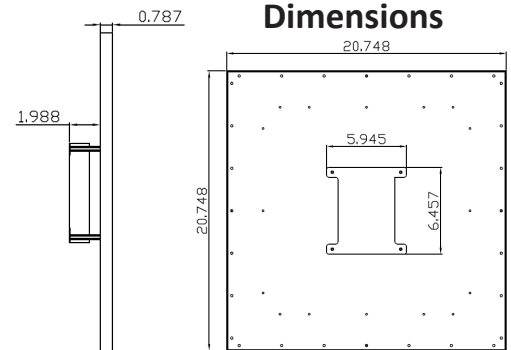
- Uses Epistar SMD2835 chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- UL listing: E357799
- Protection class: IP65
- 106 lumens per watt
- Power factor > .99
- LED quantity: 276 chips
- Input voltage: AC 110V-277V
- Designed to retrofit into existing Scottsdale canopy holes
- 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

50W Flood Light

Description

Carson's 51W 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.

105% ROI

Annual Savings of \$26.28

11 month payback

Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D01050FDN	51	5,596	108.9

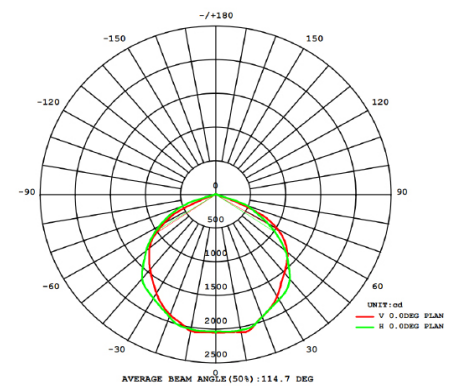
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	66	16	7	4.1	2.6

Key Features

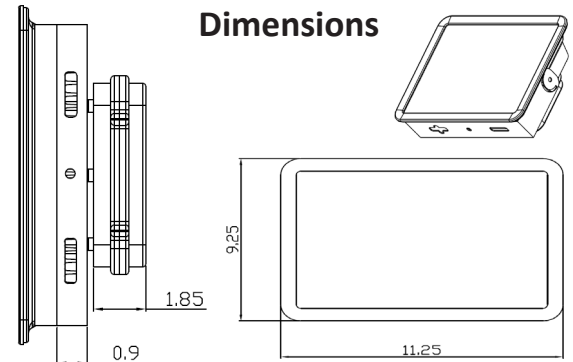
- Uses 1 COB Cree chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- IP rating: IP65
- 109 lumens per watt
- Power Factor > 0.99
- Input voltage: AC 110V-277V
- Trunnion mount attachment
- Rugged die-cast aluminum housing with bronze finish
- Corrosion and weather resistant powder 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	Series	Type	Color	Options	
D - DC	01 - Non-dimmable	050 - 51W	F - Flood	D - Glass	N - 5000K	KM - Knuckle Mount	

120W Flood Light

Description

Carson's 122W 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.

137% ROI

Annual Savings of \$68.33

9 month payback

Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D01120FDN	122	13,508	110.3

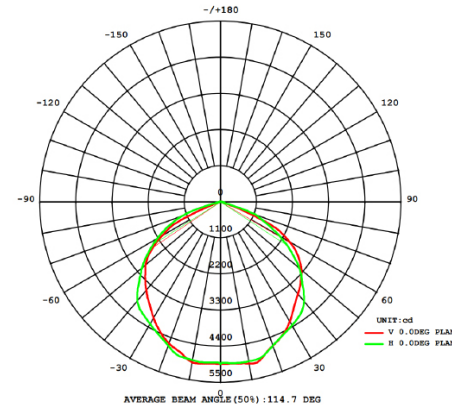
height (ft)	13'	16.5'	20'	23'	26.5'
footcandles	10	6.4	4.4	3.2	2.5

Key Features

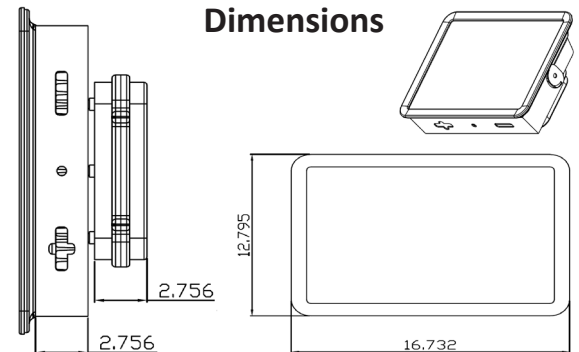
- Uses 2 COB Cree chips
- Uses Meanwell driver
- UL listing: E476588
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- 110 lumens per watt
- Power Factor > 0.99
- Input voltage: AC 110V-277V
- Trunnion mount attachment
- Rugged die-cast aluminum housing with gray finish
- Corrosion and weather 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

Series

Type

Color

Options

D - DC

01 - Non-dimmable

120 - 122W

F - Flood

D - Glass

N - 5000K

KM - Knuckle Mount

200W Flood Light

Description

Carson's 202W 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.

150% ROI

Annual Savings of \$105.12

8 month payback

Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D01200FDN	202	22,540	111.6

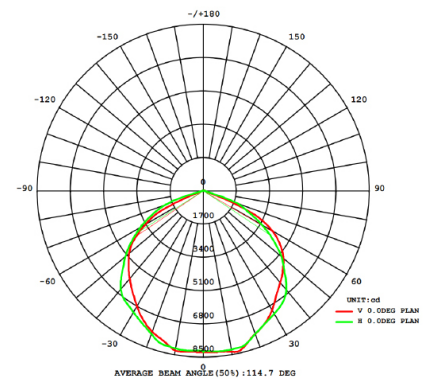
height (ft)	13'	16.5'	20'	23'	26.5'
footcandles	17	11	7	5.4	4.1

Key Features

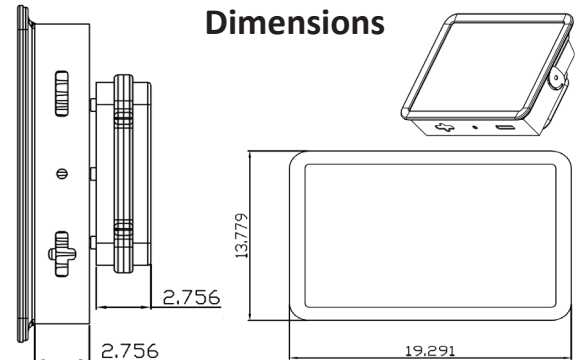
- Uses 4 COB Cree chips
- Uses Meanwell driver
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- 112 lumens per watt
- Power Factor > 0.99
- Input voltage: AC 110V-277V
- Trunnion mount attachment
- Rugged die-cast aluminum housing with gray or bronze finish
- Corrosion and weather resistant 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

Series

Type

Color

Options

D - DC

01 - Non-dimmable

200 - 202W

F - Flood

D - Glass

N - 5000K

KM - Knuckle Mount

240W Flood Light

Description

Carson's 243W 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.

66% ROI

Annual Savings of \$78.84

18 month payback

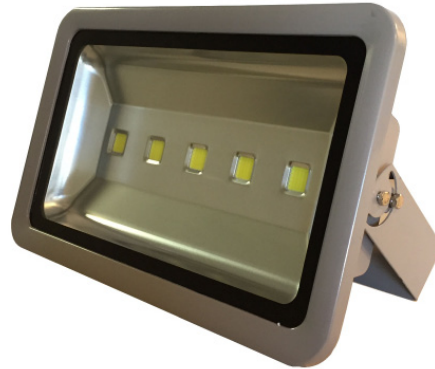
Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

Product #	Watts	Lumens	lm/W
CT-D01240FDN	243	26,657	109.8

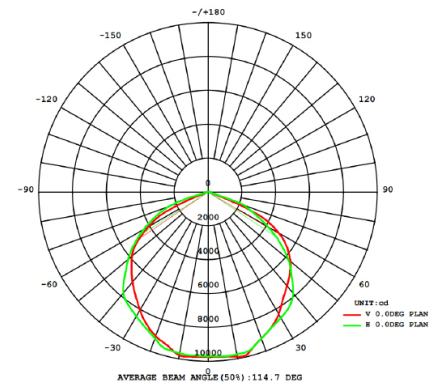
height (ft)	20'	23'	26'	29.5'	33'
footcandles	9	6.4	5	4	3.1

Key Features

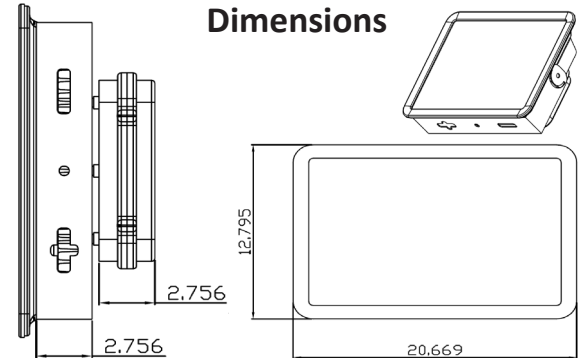
- Uses 5 COB Cree chips
- Uses Meanwell driver
- UL listing: E476588
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- 110 lumens per watt
- Power Factor > 0.99
- Trunnion mount attachment
- Rugged die-cast aluminum housing with gray finish
- Corrosion and weather resistant powder coat finish
- 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-D01240FDN

D	01	240	F	D	N		
Chip	Dimmable	Watts	Series	Type	Color	Options	
D - DC	01 - Non-dimmable	240 - 243W	F - Flood	D - Glass	N - 5000K	KM - Knuckle Mount	

150W Shoe Box

Description

Carson's 149W 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.

Product #	Watts	Lumens	lm/W
CT-D02150SAN	149	15,751	105.6

height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	170	40	19	11	7

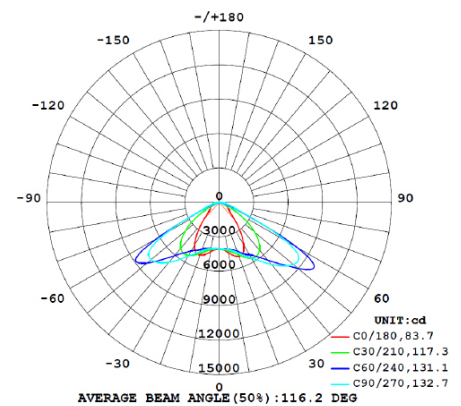
Key Features

- Uses Cree XTE chips
- 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
- Die-cast aluminum housing with back plate
- 0-10V dimmable driver or 480V transformer options
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off photocell sensor add-on option

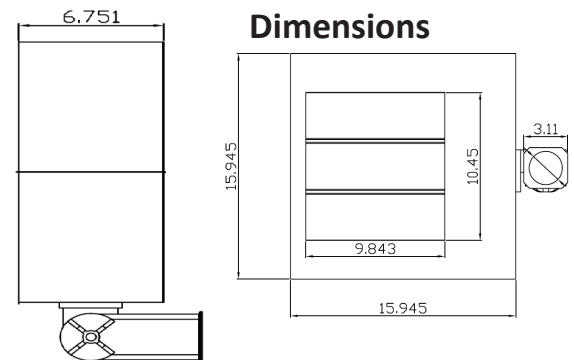
Arm Mount



Luminous Intensity



Dimensions



Ordering Information: CT-D02150SAN

D	02	150	S	A	N	
Chip	Dimmable	Watts	Series	Type	Color	Options
D - DC	01 - 0-10V Dimmable 02 - Non-dimmable	150 - 149W	S - Shoe Box	B - Knuckle A - Arm P - Trunnion	N - 5000K	DS - Dimmable Sensor PC - On/Off Photocell 480 - 480V Transformer

200W 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.

81% ROI

Annual Savings of \$105.12

15 month payback

Calculations are based on 4,380 annual hours of operation and \$0.12 average cost per kWh

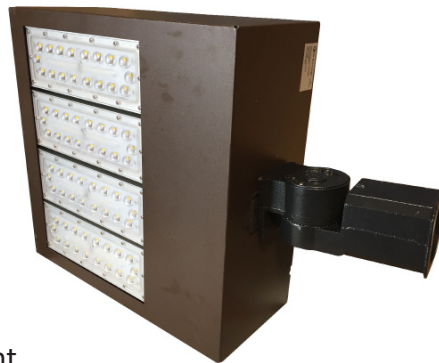
Product #	Watts	Lumens	lm/W
CT-D02200SBN	199	21,408	107.3

height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	226	56	25	14	9

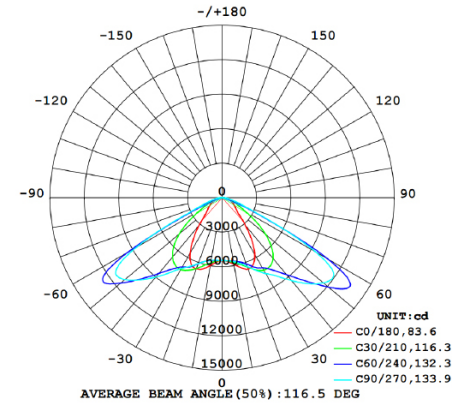
Key Features

- Uses Cree XTE chip
- 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
- Die-cast aluminum housing with back plate
- 0-10V dimmable driver or 480V transformer options
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off photocell sensor add-on option

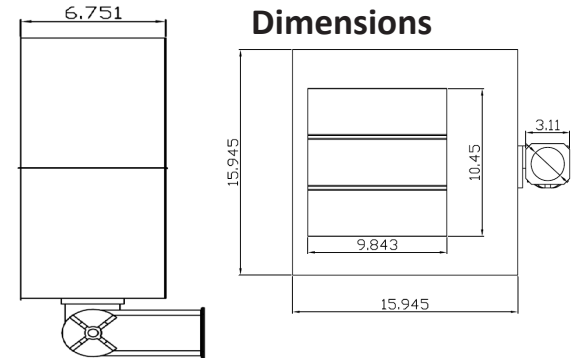
Knuckle Mount



Luminous Intensity



Dimensions



Ordering Information: CT-D02200SBN

D

02

200

S

B

N

Chip

Dimmable

Watts

Series

Type

Color

Options

D - DC

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

200 - 199W

S - Shoe Box

B - Knuckle
A - Arm
P - Trunnion

N - 5000K

OS - Dimmable Sensor
PC - On/Off Photocell
480 - 480V Transformer

250W Shoe Box

Description

Carson's 252W 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.

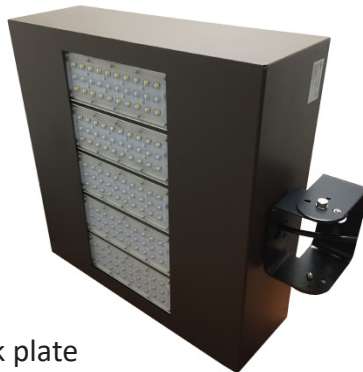
Product #	Watts	Lumens	lm/W
CT-D02250SPN	252	26,751	106.0

height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	226	56	25	14	9

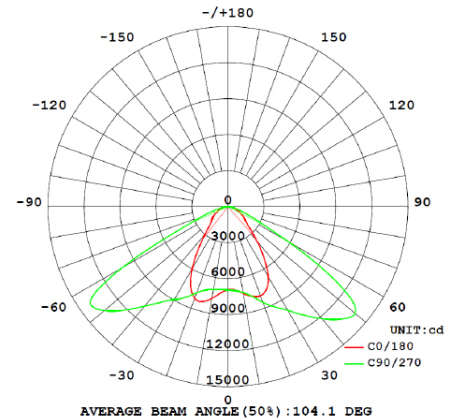
Key Features

- Uses Cree XTE chip
- Uses Carson driver
- Rated for 50,000 hours
- 10 year warranty
- IP rating: IP65
- LED quantity: 110 chips
- Input voltage: AC 110V-277V
- Arm, knuckle, or trunnion mount
- Die-cast aluminum housing with back plate
- 0-10V dimmable driver or 480V transformer options
- Architectural UV resistant dark bronze powder coat finish
- Metal-core PCB and aluminum heat sink minimizes internal heat
- Wattstopper FSP 0-10V dimmable motion sensor & daylight harvesting
- Leviton on/off photocell sensor add-on option

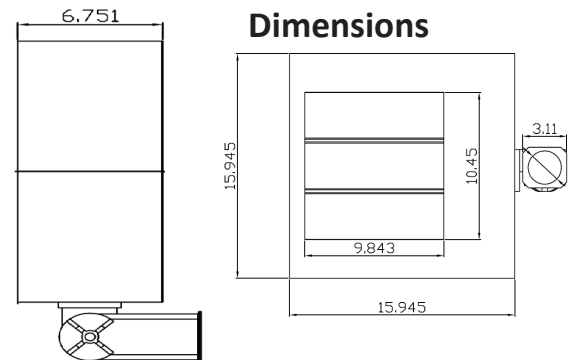
Trunnion Mount



Luminous Intensity



Dimensions



Ordering Information: CT-D02250SPN

D	02	250	S	P	N	
Chip	Dimmable	Watts	Series	Type	Color	Options
D - DC	01 - 0-10V Dimmable 02 - Non-dimmable	250 - 252W	S - Shoe Box	B - Knuckle A - Arm P - Trunnion	N - 5000K	DS - Dimmable Sensor PC - On/Off Photocell 480 - 480V Transformer

100W 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 can also be adjusted to desired angle mount. Title 24 compliant with on/off photocell sensor add-on option.

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

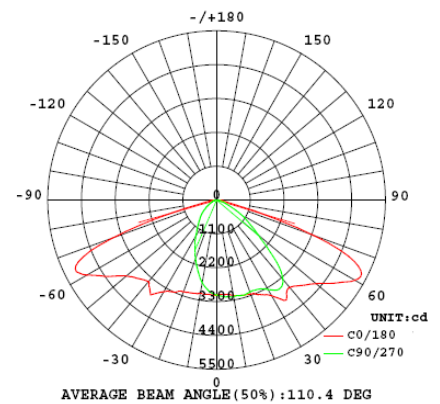
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	186	47	21	14	7.5

Key Features

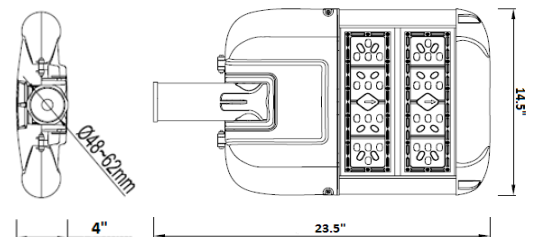
- Uses Phillips Luxeon chip
- Uses Meanwell driver
- UL listing: E468128
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- DLC Qualified Product List
- 109 lumens per watt
- LED quantity: 28 chips
- Input voltage: AC 110V-277V
- On/off photocell sensor add-on option
- Pole fitter with horizontal 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	Series	Type	Color	Options
D - DC	02 - Non-dimmable	100 - 99W	S - Street Light	T - Pole Fitter	N - 5000K	PC - On/Off Photocell

150W 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 can also be adjusted to desired angle mount. Title 24 compliant with on/off photocell sensor add-on option.

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

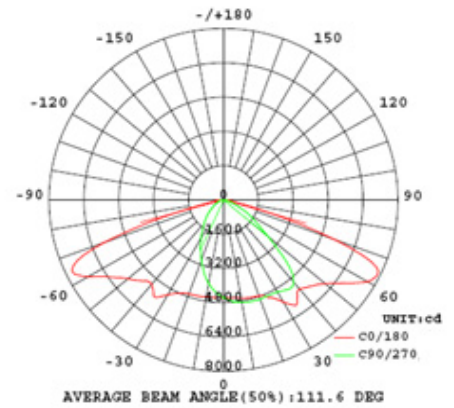
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	297	74	33	19	12

Key Features

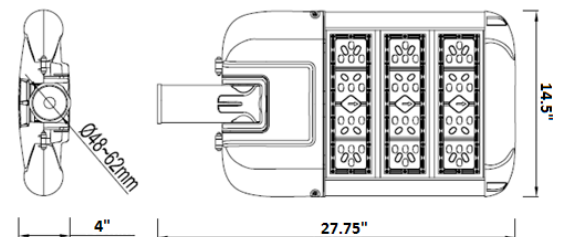
- Uses Phillips Luxeon chip
- Uses Meanwell driver
- UL listing: E468128
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- DLC Qualified Product List
- 106 lumens per watt
- LED quantity: 42 chips
- Input voltage: AC 110V-277V
- On/off photocell sensor add-on option
- Pole fitter with horizontal 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	Series	Type	Color	Options
D - DC	02 - Non-dimmable	150 - 153W	S - Street Light	T - Pole Fitter	N - 5000K	PC - On/Off Photocell

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 can also be adjusted to desired angle mount. Title 24 compliant with on/off photocell sensor add-on option.

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

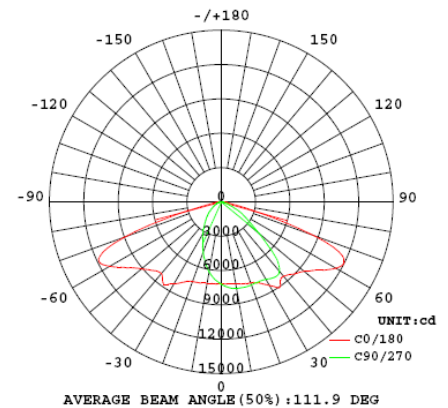
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	467	117	52	29	19

Key Features

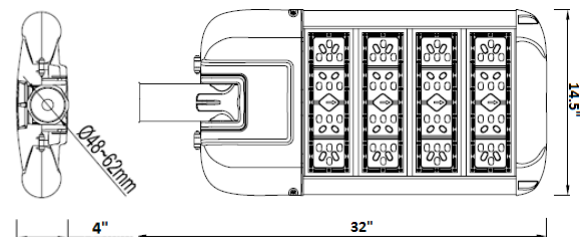
- Uses Phillips Luxeon chip
- Uses Meanwell driver
- UL listing: E468128
- Rated for 50,000 hours
- 5 year warranty
- IP rating: IP65
- DLC Qualified Product List
- 107 lumens per watt
- LED quantity: 56 chips
- Input voltage: AC 110V-277V
- On/off photocell sensor add-on option
- Pole fitter with horizontal 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	Series	Type	Color	Options
D - DC	02 - Non-dimmable	180 - 180W	S - Street Light	T - Pole Fitter	N - 5000K	PC - On/Off Photocell

400W 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



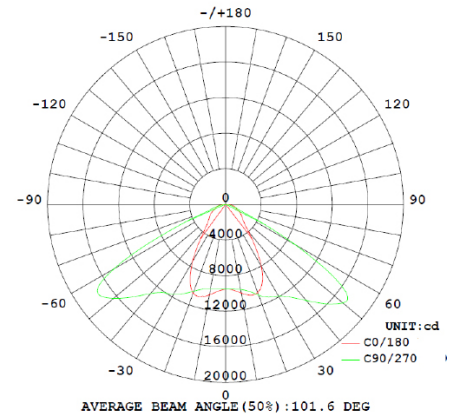
70% ROI

Annual Savings of \$315.36

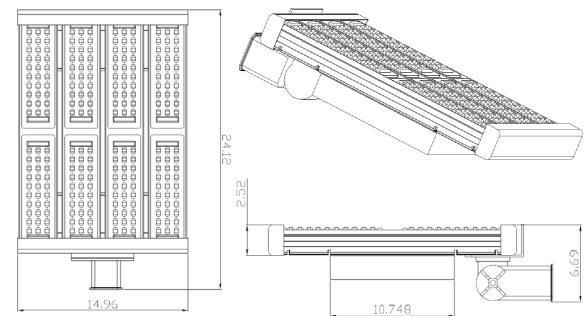
17 month payback

Calculations are based on 4,380 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 runs off 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

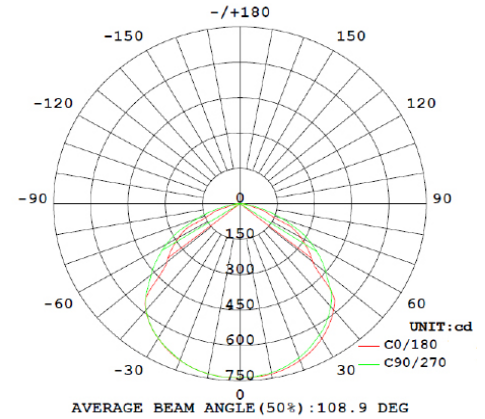
height (ft)	3'	6.5'	10'	13'	16.5'
footcandles	21	5.3	2.4	1.3	0.9

Key Features

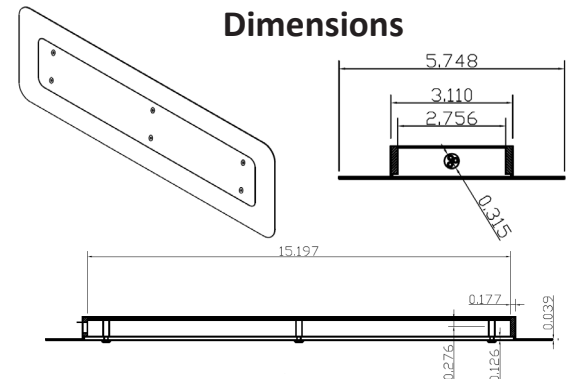
- Uses Epistar SMD2835 chip
- Driver free
- Rated for 50,000 hours
- 10 year warranty
- Protection class: IP64
- 101 lumens per watt
- LED quantity: 16 chips
- Input voltage: DC 12V
- Flush surface mount
- Clear or frosted polycarbonate lens
- White powder-coated aluminum fixture
- Die-cast aluminum 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

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.

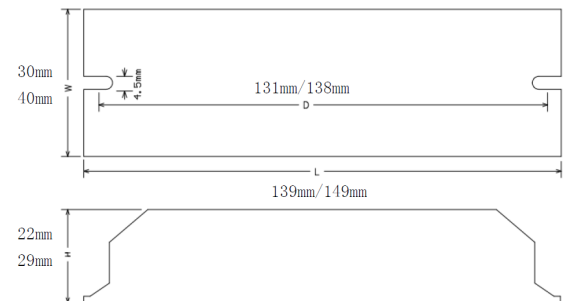
Product #	Supports	Lumens
CT-020EB	20W	100%

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



Ordering Information: CT-020EB

020

EB

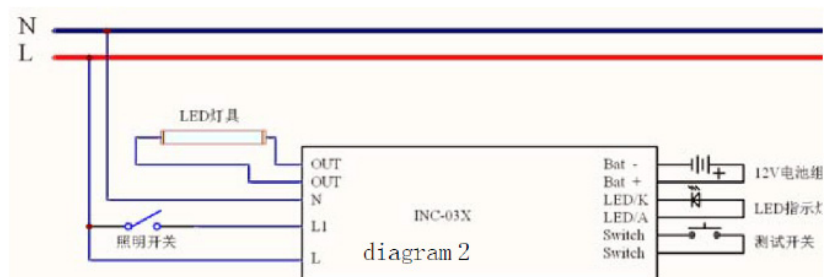
Watts

Series

020 - 20W
040 - 40W

EB - Emergency Backup

Installation Diagram



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

- 0-10V dimmable motion sensor
- On/off motion sensor
- On/off 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