

INDOOR LIGHTING SOLUTIONS



200W Modern Highbay

LED HIGHBAY LIGHTING



120-277V

Modern

Wattage	Order Code	Lumen Output	Color Temp.	CRI	Beam Angle	Lumen Maint. @50,000 hours [†]	Calc. L70@25°C Amb.(hrs) [†]	Fig.	Fixt. Color	Amp. 120V	Draw (A) 277V	Replaces Existing HID Wattages	DLC Model Number
90W	HB38477*	9500	4000K	80	120°	92%	240,000	A	White	0.76	0.34	250W	HW-090N8-AA
90W	HB64698	11400	5000K	70+	120°	92%	240,000	A	White	0.76	0.34	250W	HW-090C-AA
150W	HB71452*	15750	4000K	80	90°	92%	230,000	B	White	1.25	0.56	400W	HW-150N8-AB
150W	HB95488	18900	5000K	80	90°	92%	230,000	B	White	1.25	0.56	400W	HW-150C8-AB
200W	HB20943*	21000	4000K	80	90°	92%	223,000	C	White	1.69	0.73	750W	HW-200N8-AB
200W	HB22920	25000	5000K	80	90°	92%	223,000	C	White	1.69	0.73	750W	HW-200C8-AB
300W	HB31479*	39395	4000K	70	90°	77%	68,000	D	White	2.60	1.21	up to 1000W	HW-300N-AB
300W	HB41782*	40108	5000K	70+	90°	77%	68,000	D	White	2.60	1.21	up to 1000W	HW-300C-AB

347-480V

Modern

Wattage	Order Code	Lumen Output	Color Temp.	CRI	Beam Angle	Lumen Maint. @50,000 hours [†]	Calc. L70@25°C Amb.(hrs) [†]	Fig.	Fixt. Color	Amp. 120V	Draw (A) 277V	Replaces Existing HID Wattages	DLC Model Number
100W	HB54216*	12120	4000K	70	120°	92%	240,000	D	White	0.30	0.22	250W	HW-100N-BA
100W	HB19238*	12165	5000K	70+	120°	92%	240,000	D	White	0.30	0.22	250W	HW-100C-BA
150W	HB27813*	18560	4000K	70	90°	92%	230,000	D	White	0.45	0.33	400W	HW-150N-BB
150W	HB27146*	18970	5000K	70+	90°	92%	230,000	D	White	0.45	0.33	400W	HW-150C-BB
200W	HB41682*	24040	4000K	70	90°	92%	223,000	D	White	0.58	0.43	750W	HW-200N-BB
200W	HB28334*	24670	5000K	70+	90°	92%	223,000	D	White	0.58	0.43	750W	HW-200C-BB

High Ambient Temperature

Modern

Wattage	Order Code	Lumen Output	Color Temp.	CRI	Beam Angle	Lumen Maint. @50,000 hours [†]	Calc. L70@25°C Amb.(hrs) [†]	Fig.	Fixt. Color	Amp. 120V	Draw (A) 277V	Replaces Existing HID Wattages	Model Number
200W	HB19216*	24500	4000K	70	90°	92%	223,000	D	White	1.69	0.73	750W	HW-300N-AB-HT
200W	HB19737*	24670	5000K	70+	90°	92%	223,000	D	White	1.69	0.73	750W	HW-300C-AB-HT

Note: Operating temperature for HB19737 is -30°C to 60°C

* Contact for lead time

† Lumen maintenance data is based on LED testing per IESNA LM-80-08 and projected per IESNA TM-21-11

Dimensions

Figure A

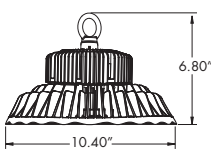


Figure B

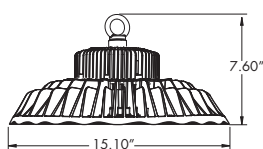


Figure C

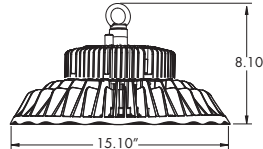
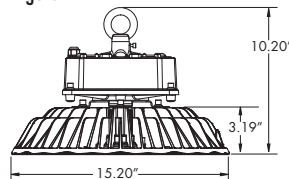
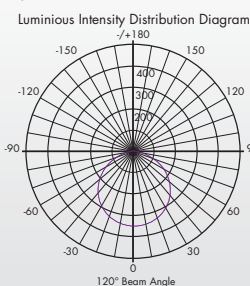


Figure D

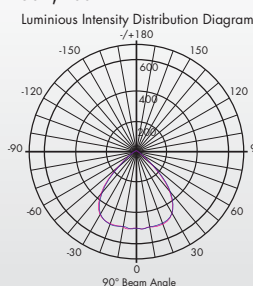


Photometrics

90W



150W, 200W



Accessories (Order as separate line items)

- LN13528 - 90° plastic lens for 90W highbay
- LN13597 - Clear plastic lens for 90W highbay
- LN13416 - 120° plastic lens for 100W-200W highbay
- LN13421 - 120° glass lens for 100W-300W highbay
- LN13632 - Clear plastic flat lens for 100W-300W highbay
- LN28431 - 50° plastic lens for 100W-200W highbay
- RF13376 - Aluminum shield for 90W highbay, silver
- RF13388 - Aluminum shield for 100W-300W highbay
- RF13912 - Acrylic reflector for 100W-300W highbay
- AC78196 - Pendant mount kit for 150W-200W, white
- AC78182 - Pendant mount kit for 90W, white
- AC53904 - Pendant mount kit for select Modern fixtures
- KT14231 - 90W sensor mount kit
- KT14791 - 100-300W sensor mount kit
- 6500-026 - 10' safety cable
- PH41623 - Motion sensor only (S1)
- PH77409 - Motion/photocell/dimming sensor (S2)

Note: S1 and S2 are factory installed sensors.

Factory installed plug options are available, see spec sheets for details



IP65



LED HIGHBAY LIGHTING

Commerce

Wattage	Order Code	Lumen Output	Color Temp.	CRI	Lumen Maint. @50,000 hours†	Calc. L70@25°C Amb.(hrs)†	Fixture Color	Amp. Draw (A) 120V	Amp. Draw (A) 277V	Replaces Existing HID Wattages	DLC Model Number
120W	HB73260	14200	4000K	84	87%	133,000	White	1.00	0.44	250W	HBX-120NA
160W	HB84680	18700	4000K	84	87%	133,000	White	1.35	0.61	400W	HBX-165NA
200W	HB17846*	23300	4000K	84	87%	133,000	White	1.72	0.76	400W+	HBX-200NA

* Contact for lead time

† Lumen maintenance data is based on LED testing per IESNA LM-80-08 and projected per IESNA TM-21-11

Benefits and Features

- Rugged housing with a durable powder coat finish
- Locking hook and pendant mount accessory included
- Available 16" diameter clear acrylic optic accessory ordered separately
- Rated for damp and dry locations
- Cooler running LED chip which leads to longer life, better efficacy, and color consistency.
- Easy upgrade for HID and fluorescent fixtures
- 133,000 hour life
- 5 year warranty
- 80% Energy Savings
- Ambient operating temperature range -30°C to 45°C
- 0-10V DC dimming capability
- DesignLights Consortium® (DLC) qualified
- 4kV surge protection

NOTE: shown with RF53116, 16" clear acrylic optic ordered separately

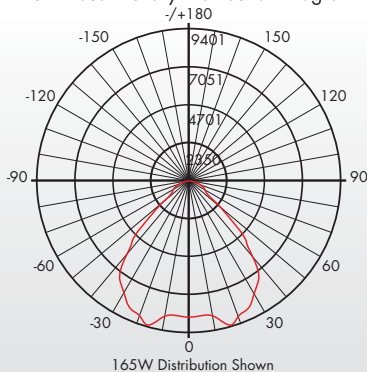


NOTE: shown with KT21589 and PH41623 motion sensor ordered separately



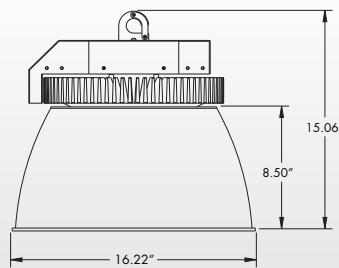
Photometrics

Luminous Intensity Distribution Diagram



Dimensions

Weight: 15.0 lbs (6.80 kg)



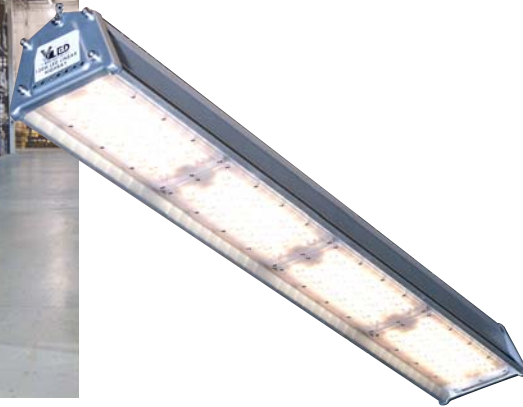
Accessories (Order as separate line items)

- RF53116 16" diameter clear acrylic optic
- KT21589 Sensor Mounting Arm - Commerce Highbay
- PH41623 Motion Only Control Sensor
- PH77409 Motion/Photocell/Dimming Control Sensor
- 6500-026 - 10' safety cable

Factory installed plug options are available, see spec sheets for details



LED HIGHBAY LIGHTING



Wave Aisle Lighter

Wattage	Order Code	Lumen Output	Color Temp.	CRI	Lumen Maint. @50,000 hours†	Calc. L70@25°C Amb.(hrs)†	Fixture Color	Amp. Draw (A) 120V	Amp. Draw (A) 277V	Replaces Existing HID Wattages	DLC Model Number
90W	HB42342	10100	5000K	70	90%	159,000	Matte Silver	0.76	0.33	250W	HWL-090C-AD
120W	HB26502	12900	5000K	70	90%	157,000	Matte Silver	1.00	0.44	400W	HWL-120C-AD
150W	HB61298	16500	5000K	70	90%	154,000	Matte Silver	1.26	0.55	400W	HWL-150C-AD

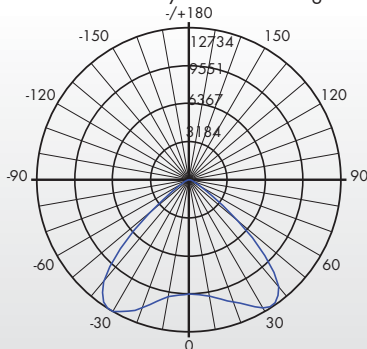
† Lumen maintenance data is based on LED testing per IESNA LM-80-08 and projected per IESNA TM-21-11

Benefits and Features

- Extruded aluminum heat sink housing with powder coated aluminum end caps and stainless steel hardware
- Precision optic, polycarbonate lens achieves 60 x 90 distribution
- Optical chamber is sealed and gasketed
- Operating temperature range of -30° C to 50° C
- DesignLights Consortium® (DLC) qualified
- 3X longer life than traditional technology, reducing maintenance costs
- 5 year warranty
- 80% Energy Savings
- Universal 120-277V 50/60 Hz input
- 0-10V DC dimming standard to maximize energy savings
- DLC certified and cULus rated for damp and dry locations and IP65 rated
- (2) aircraft cables included with fixture for mounting

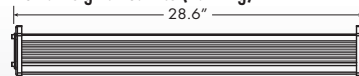
Photometrics

Luminous Intensity Distribution Diagram

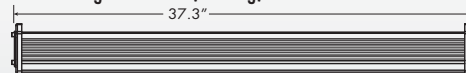


Dimensions

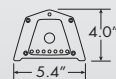
90W: Weight: 10.4 lbs (4.71 kg)



120W: Weight: 12.6 lbs (5.72 kg)



150W: Weight: 15.2 lbs (6.89 kg)



Accessories (Order as separate line items)

- KT14682** Sensor mounting kit for Wave linear highbay
- PH41623** - Motion sensor only (S1)
- PH77409** - Motion/photocell/dimming sensor (S2)

Note: S1 and S2 are factory installed sensors.

Factory installed plug options are available, see spec sheets for details



LED HIGHBAY LIGHTING

Clear Lens

Wattage	Order Code	Lumen Output	Color Temp.	CRI	Life Hours	Fixture Color	Amp. Draw (A)		DLC Model Number
							120V	277V	
110W	HB17813*	14740	4000K	80	50,000	White	0.93	0.45	HBL2-110WNAC-BF2
110W	HB42342	14400	5000K	80	50,000	White	0.93	0.45	HBL2-110WCAC-BF2
160W	HB27818*	21700	4000K	80	50,000	White	1.35	0.61	HBL2-160WNAC-BF2
160W	HB41918	21870	5000K	80	50,000	White	1.35	0.61	HBL2-160WCAC-BF2

Frosted Lens

Wattage	Order Code	Lumen Output	Color Temp.	CRI	Life Hours	Fixture Color	Amp. Draw (A)		DLC Model Number
							120V	277V	
110W	HB23814*	14300	4000K	80	50,000	White	0.93	0.45	HBL2-110WNAF-BF2
110W	HB51843	14400	5000K	80	50,000	White	0.93	0.45	HBL2-110WCAF-BF2
160W	HB31452*	21060	4000K	80	50,000	White	1.35	0.61	HBL2-160WNAF-BF2
160W	HB52728	21870	5000K	80	50,000	White	1.35	0.61	HBL2-160WCAF-BF2

* Contact for lead time

Benefits and Features

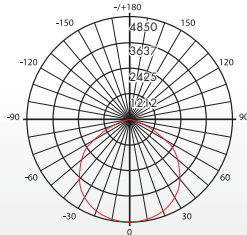
- V-hook (2pcs) and 42" chain accessories supplied with each fixture for suspended mount
- Versatile and easy to install - pendant or surface mount accessories sold separately
- Operating temperature range of -30° C to 45° C
- Universal 120-277V 50/60 Hz input
- Clear or frosted lens versions available
- 0-10V Dimming standard
- Rated for damp and dry locations
- Optional wire guard available



Photometrics

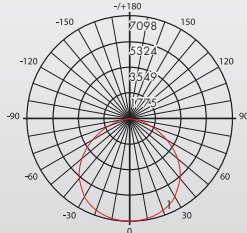
110W LED Linear Highbay

Luminous Intensity Distribution Diagram



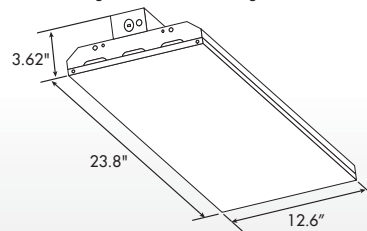
160W LED Linear Highbay

Luminous Intensity Distribution Diagram

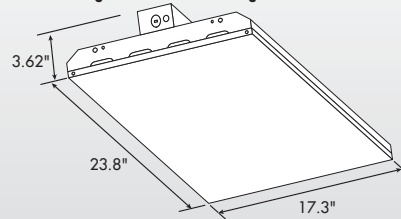


Dimensions

110W: Weight: 10.2 lbs (4.63 kg)



160W: Weight: 14.0 lbs (6.35 kg)



Accessories (Order as separate line items)

- KT21343** - Wire guard kit with hardware for 110W
- KT18519** - Wire guard kit with hardware for 160W
- KT16782** - Pendant mount kit with hardware (white)
- KT27604** - Surface mount kit with hardware (white)
- KT37197** - Sensor mount kit with hardware (white)
- AC24512** - 1 meter chain with S-hooks (2pcs) (replacement)
- AC28841** - V-Hook (2 pcs set) for 110W Linear HB (replacement)
- AC19722** - V-Hook (2 pcs set) for 160W Linear HB (replacement)
- LN18714** - Clear Lens for 110W for field installation
- LN18725** - Clear Lens for 160W for field installation
- LN18614** - Frosted Lens for 110W for field installation
- LN18625** - Frosted Lens for 160W for field installation



LED PANELS

LED Panels



Easy to install, simply remove old fluorescent troffer fixture, and use the existing T-bar application to secure LED panel. Direct wire and start saving.

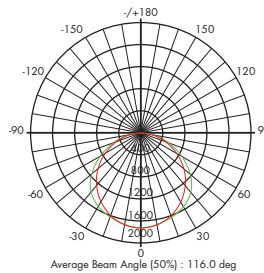


Panel Size	Wattage	Order Code	Lumen Output	Color Temperature	CRI	Life Hours	Fixture Color	Amp. Draw (A) 120V	Amp. Draw (A) 277V	Replaces Existing Wattages	DLC Model Number
1x4	36W	PN121852	3350	3500K	80	50,000	White	0.32	0.14	64W	VL1-PA14-036B-A-AG00
1x4	36W	PN14614	3950	4000K	80	50,000	White	0.32	0.14	64W	PD14-036N-ANR-W00
1x4	36W	PN18514	3600	5000K	80	50,000	White	0.32	0.14	64W	VL1-PA14-036C-A-AG00
2x2	40W	PN12832	4600	3500K	80	50,000	White	0.34	0.15	64W	PD22-40B-ANR-W00
2x2	40W	PN26744	4600	4000K	80	50,000	White	0.34	0.15	64W	PD22-40N-ANR-W00
2x2	40W	PN41258	4735	5000K	80	50,000	White	0.34	0.15	64W	PD22-40C-ANR-W00
2x4	48W	PN62316	5445	4000K	80	50,000	White	0.45	0.20	96W - 128W	PD24-48N-ANR-W00
2x4	48W	PN45124	5520	5000K	80	50,000	White	0.45	0.20	96W - 128W	PD24-48C-ANR-W00
2x4	52W	PN32817	5800	3500K	80	50,000	White	0.45	0.20	96W - 128W	VL1-PA24-052B-A-AG00

Photometrics

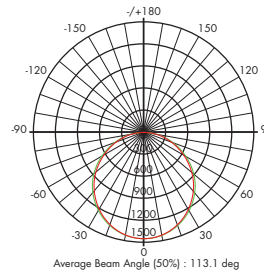
52W 2x4 LED Panel

Luminous Intensity Distribution Diagram



40W 2x2 LED Panel

Luminous Intensity Distribution Diagram



Benefits and Features

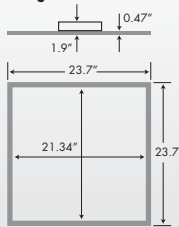
- Glass-free construction with internal driver
- Edge-lit optics, low glare and easy on the eyes
- Thin profile and easy to handle
- For retrofit or new construction with T-Bar applications
- DesignLights Consortium® (DLC) qualified
- 50,000 hour life; 65% Longer Life
- 5 year warranty
- 50% Energy Savings
- Rated for dry locations
- IC rated for direct contact with insulation
- Universal 120-277V 50/60 Hz input
- 0-10V DC dimming standard to maximize energy savings
- Superior color consistency within a 4-step MacAdam ellipse and greater than 80 CRI

Dimensions

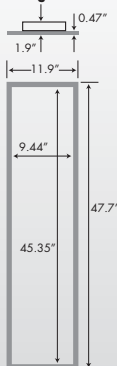
48W/52W 2x4 LED Panel
Weight: 20.2 lbs (9.16 kg)



40W 2x2 LED Panel
Weight: 10.6 lbs (4.80 kg)



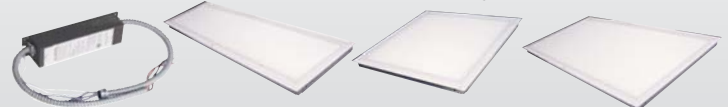
36W 1x4 LED Panel
Weight: 10.6 lbs (4.80 kg)



Accessories (Order as separate line items)

- BB23468** - Battery back-up
- KT14136** - 1x4 Drywall Mount Kit, White
- KT20945** - 1x4 Surface Mount Kit, White
- KT18101** - 2x2 Drywall Mount Kit, White
- KT14156** - 2x2 Surface Mount Kit, White
- KT18916** - 2x4 Drywall Mount Kit, White
- KT18522** - 2x4 Surface Mount Kit, White

Dry wall mounting kits



Surface mounting kits



LED TROFFERS

Troffers

Wattage	Order Code	Lumen Output	Color Temp.	CRI	Fixture Size	Life Hours	Fixture Color	Amp. Draw (A)	120V	277V	Replaces Existing Fluorescent	DLC Model Number
32W	TR16834	3720	4000K	80	2x2	50,000	White	0.29	0.13		2x2	TR22-32NA-00
42W	TR21705	5120	4000K	80	2x4	50,000	White	0.37	0.17		2x4	TR24-42NA-00

Benefits and Features

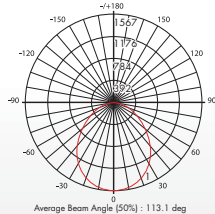
- High quality, economical alternative to fluorescent
- Powered by LED lighting technology
- Highest return on initial investment over the life time of the fixture
- Ideal for office spaces, schools, hospitals, and many other indoor locations
- Design Lights Consortium (DLC) Premium Qualified
- New construction or replacement of existing fluorescent fixtures
- 0-10V Dimming standard
- Rated for damp and dry locations
- IC Rated



Photometrics

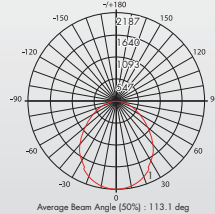
32W 2x2 LED Troffer

Luminous Intensity Distribution Diagram



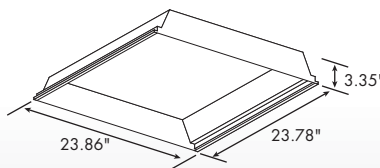
42W 2x4 LED Troffer

Luminous Intensity Distribution Diagram

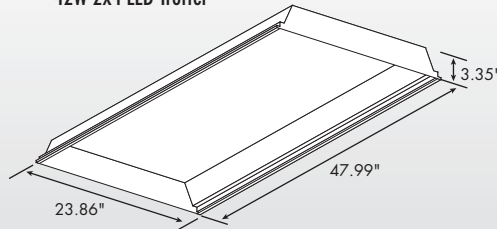


Dimensions

32W 2x2 LED Troffer



42W 2x4 LED Troffer



Accessories (Order as separate line items)

- KT18101** - 2x2 Drywall Mount Kit, White
- KT18916** - 2x4 Drywall Mount Kit, White

Dry wall mounting kits



LED VOLUMETRIC TROFFERS

Volumetric Troffers

Wattage	Order Code	Lumen Output	Color Temp.	CRI	Fixture Size	Life Hours	Fixture Color	Amp. Draw (A)	120V	277V	Replaces Existing Fluorescent	DLC Model Number
26W	TR39826	3275	4000K	80	2x2	50,000	White	0.23	0.10		2x2	TB22-26NA-01
48W	TR51438	5970	4000K	80	2x4	50,000	White	0.41	0.20		2x4	TB24-50NA-01



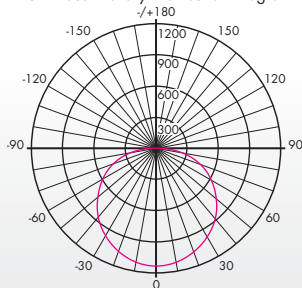
Benefits and Features

- High quality
- Economical
- Powered by LED lighting technology
- Highest return on initial investment over the life time of the fixture
- Ideal for office spaces, schools, hospitals, and many other indoor locations
- Single diffused lens
- Smooth, low glare illuminance
- Design Lights Consortium (DLC) Premium Qualified
- New construction or replacement of existing fluorescent fixtures
- 0-10V Dimming standard
- Rated for damp and dry locations
- IC Rated

Photometrics

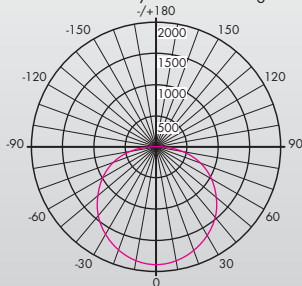
26W 2x2 LED Volumetric Troffer

Luminous Intensity Distribution Diagram



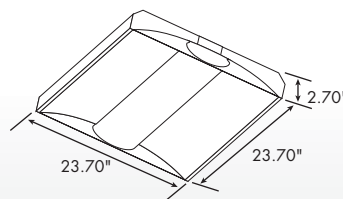
48W 2x4 LED Volumetric Troffer

Luminous Intensity Distribution Diagram

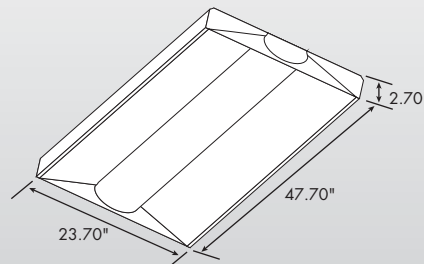


Dimensions

26W 2x2 LED Volumetric Troffer



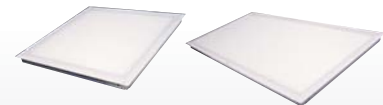
48W 2x4 LED Volumetric Troffer



Accessories (Order as separate line items)

- KT18101** - 2x2 Drywall Mount Kit, White
- KT18916** - 2x4 Drywall Mount Kit, White

Dry wall mounting kits



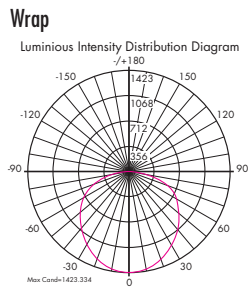
LED LINEAR LIGHTING

Wrap

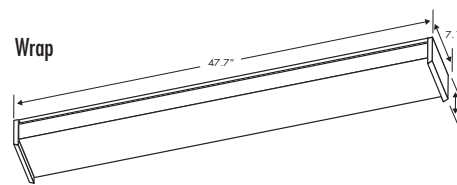
Wattage	Order Code	Lumen Output	Color Temp.	CRI	Fixture Length	Lumen Maint. @50,000 hours†	Calc. L70@25°C Amb.(hrs)†	Fixture Color	Amp. Draw (A) 120V 277V	Replaces Existing Wattages	DLC Model Number
42W	SM16325	4550	4000K	80	4'	89%	143,000	White	0.76 0.34	(2) 32W	SM1-40NFA-00



Photometrics



Dimensions



Benefits and Features

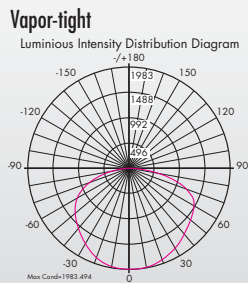
- Universal 120-277V 50/60 Hz input
- 0-10V Dimming standard
- cULus rated
- Energy saving of up to 75%, compared to fluorescent

Vapor-tight

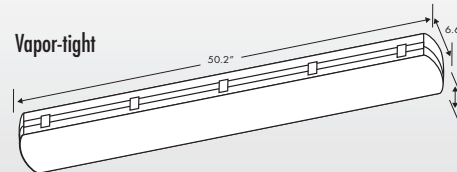
Wattage	Order Code	Lumen Output	Color Temp.	CRI	Fixture Length	Lumen Maint. @50,000 hours†	Calc. L70@25°C Amb.(hrs)†	Fixture Color	Amp. Draw (A) 120V 277V	Replaces Existing Wattages	DLC Model Number
55W	VP61784	7200	4000K	80+	4'	86%	108,000	Gray	0.76 0.34	(2) 32W	VP2-56NA-BF1



Photometrics



Dimensions



Benefits and Features

- 3X longer life than traditional technology, reducing maintenance costs
- cULus rated for wet locations
- Light weight design allows for easy installation
- Universal 120-277V 50/60 Hz input
- 0-10V Dimming standard
- Surface mount kit and V-Hooks for dual point chain suspension included



LED RECESSED DOWNLIGHTS

Downlight Retrofit Kits

Wattage	Diameter	Order Code	Lumen Output	Color Temperature	CRI	Rated Life (hrs)	Beam Angle	Amp. Draw (A)		Replaces Existing		Energy Star Model Number
								120V	277V	CFL	MH	
18W	6"	DL61337	1440	4000K	80+	35,000	Med. 40°	0.15	0.07	32W	70W**	VL1-DLB018N-MDA-WHAD00
40W	8"	DL29815	2870	4000K	80+	35,000	Med. 40°	0.35	0.16	2x32W	70W	VL1-DLC040N-MDA-WHAD00
54W	8"	DL20658	4100	4000K	80+	35,000	Med. 40°	0.48	0.22	2x42W	175W	VL1-DLC054N-MDA-WHAD00
54W	10"	DL31852	3790	4000K	80+	35,000	Med. 40°	0.48	0.22	2x42W	175W	VL1-DLD054N-MDA-WHAD00

** 6", Order Code DL61337 replaces 100W PAR38 Halogen lamp

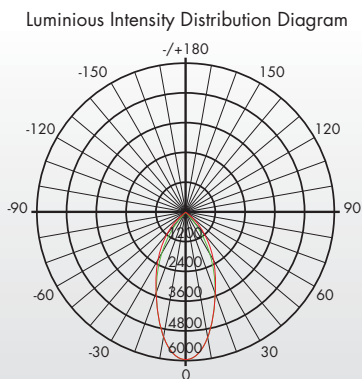


Benefits and Features

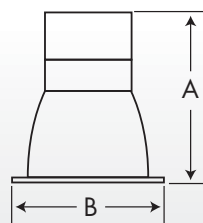
- Energy saving of up to 75%, compared to Compact Fluorescent and Metal Halide
- Upgrade standard CFL and HID 6", 8" or 10" diameter recessed luminaires to high output LED (with 80+ CRI)
- 3X longer life than traditional technology, reducing maintenance costs
- Energy Star Certified
- cULus rated for dry and damp locations
- Light weight design allows for easy installation
- Universal 120-277V 50/60 Hz input
- 0-10V DC dimming standard to maximize energy savings



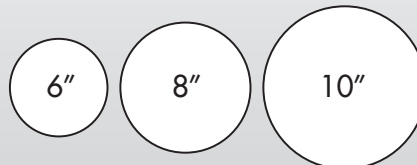
Photometrics



Dimensions



Diam.	A (in)	B (in)	Weight
6"	7.68	7.48	8.0 lbs (3.63 kg)
8"	8.98	9.29	9.0 lbs (4.08 kg)
10"	10.00	10.98	10.3 lbs (4.67 kg)



Accessories (Order as separate line items)

- KT86415** New construction kits for 6" downlight
- KT65235** New construction kits for 8" downlight



KT24989

