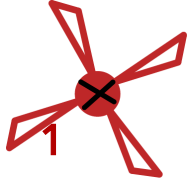# SPECIFICATIONS MANUAL

FAN

Meyda Tiffany Square Hausman 30" 5 Blade Indoor Ceiling Fan
Model:245092

LOCATION:

ENTERTAINMENT AREA #2

Dimensions and Measurements

Blade Span	❓	30 in.
CFM (High)	❓	86
Height	❓	48 in.
Width	❓	85 in.
Blades Included	❓	Yes
Bulb Included	❓	No
Downrod(s) Included	❓	Yes
Light Kit Included	❓	Yes
Shade	❓	Yes

Electrical and Operational Information

Power Source	❓	Hardwired
Speeds	❓	3
Voltage	❓	120
Wattage	❓	720
Watts Per Bulb	❓	60

MADE TO ORDER PRODUCT
ALLOW 8 TO 11 WEEKS TO SHIP OUT

Globe Electric Single Vintage Edison 60W Soft White Dimmable T10 Medium (E26) Incandescent Bulb
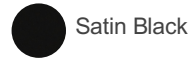Model:01322

Characteristics and Features

Bulb Base	❓	Medium (E26)
Bulb Color	❓	Clear
Bulb Shape	❓	T10
Bulb Type	❓	Incandescent
Color Temperature	❓	2700K
Dimmable	❓	Yes
Number of Bulbs	❓	1
Vintage Edison Bulb	❓	Yes

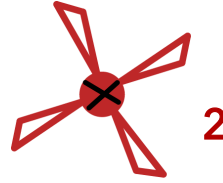**MOTOR FINISH**

⬤ Satin Black

BLADE FINISHES
Silver, Black

2

LOCATION: GYM

AIR PERFORMANCE

| AIRFLOW Cubic Ft. Per Minute on High	RPM Revolutions Per Minute on High	POWER USAGE Watts on High (Excludes Lights)	AIRFLOW EFFICIENCY Cubic Ft. Per Minute Per Watt
3402	199	48	70

SPECIFICATIONS

Performance

CFM (High)	3402	RPM (High)	199
Watts (High)	48	Airflow Efficiency CFM/W (High)	70

Motor Specifications

Amps (High)	0.41	Motor Size	153MM X 15MM
Motor Type	AC Induction	Primary Material	Steel

Mounting/Installation

Minimum Distance from Fan to Floor	7.0 feet	Interior/Exterior	INTERIOR
Lead Wire Length	78"	Location Rating	Dry
Low Ceiling Adaptable	No	Max Stem Tilt	18.0 Degrees
Connector	Yes	Direct Wire	Yes
Mounting Style	Downrod	Wire Connectors	Wire Nuts

Dimensions

Downrod 1	1.00 OD X 4.50"	Base Backplate	5.25 DIA
Weight	14.78 LBS	Blade Sweep	42
Height	13.75"	Width	42.00"

Light Source

Downlight Option	Optional	

Electrical

Input Voltage	120.00V	

FIXTURE ATTRIBUTES

Blade Finish & Specs

Blade Finish 1	Silver	Blade Finish 2	Black
Blade Material	Wood	Blade Pitch	14
Blades Included	Yes	Blades Reversible	Yes
Number of Blades	5		

Included Control

# of speeds	6

Product/Ordering Information

SKU	330241SBK	Finish	Satin Black
UPC	783927600835.0	Style	Contemporary

Housing

Fan Primary Control System	Pull Chain

Warranty

www.kichler.com/warranty

Compatible Accessories

Dual Threaded 12" Downrod Satin Black, LED Industrial 3 Light Fixture Satin Black

Leeds Collection
52 Inch Leeds LED Ceiling Fan OBB
### 300457OBB (Oil Brushed Bronze)
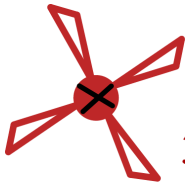
Product Information

Product ID	300457OBB
Finish	Oil Brushed Bronze
Blade Finish	Walnut/Cherry
Collection	Leeds Collection

Specifications

Number of Blades	5
Blades Included	Yes
Blade Pitch	13 Degrees
Blade Sweep	52"
Blades Reversible	Yes
Blade Material	WOOD
Optional Blades Available	No
Downrod 1	1.00 OD X 4.50
Primary Control System	3 Speed Wall Control Ltd Function
Remote Included	No
Wall Control Included	Yes
Low Ceiling Adaptable	No
Lead Wire Length	78.00"
Motor Size	172MM X 20MM
Motor Type	AC

Dimensions
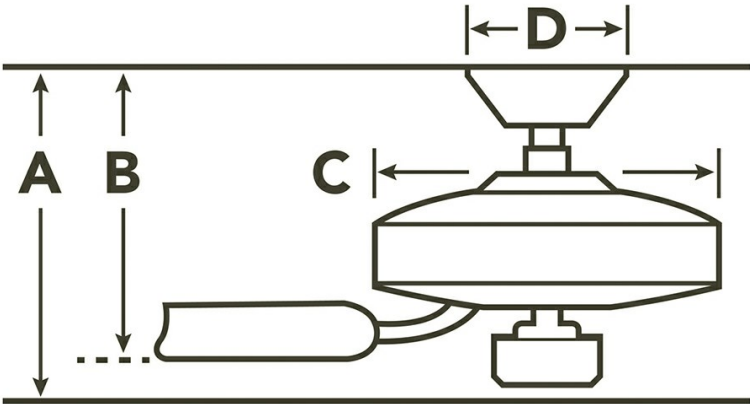
Downrod	A	B	C	D
1.00 OD X 4.50	17.00	13.00	10.25	6.25

Downlight

Downlight Included	Yes
Light Source	LED
Downlight Bulb Included	Integrated
Downlight Bulb Type	LED
Number of Lights/LEDs	1
Watts	70/11
Initial Lumens	1600
Glass Description	Etched Cased Opal
Optional Light Kit Available	No
Kelvin Temperature	3000K

Safety Listings & Certifications

Safety Rated	Dry
Warranty	www.kichler.com/warranty

Available Finishes

Finish	Fixture	Glass	Blade 1	Blade 2

Installation

The electrical junction box and support structure must be

Notes:
1) Information provided is subject to change without notice.
All values are design or typical values when measured under laboratory conditions.
2) Incandescent Equivalent: The incandescent equivalent as presented is an approximate number and is for reference only.

KICHLER®

Leeds Collection
52 Inch Leeds LED Ceiling Fan OBB
300457OBB (Oil Brushed Bronze)

Brushed Nickel	300457NI	ETCHED CASED OPAL	BLACK	SILVER
Oil Brushed Bronze	300457OBB	ETCHED CASED OPAL	WALNUT	CHERRY
Antique Pewter	300457AP	ETCHED CASED OPAL	LIGHT CHERRY	BLACK CHERRY

Installation requirements	securely mounted and capable of reliably supporting a minimum of 50 pounds. Use only ETL/UL listed electrical junction boxes marked ""For Fan Support""
Electrical Requirements	120v 60Hz ac
Hanging Weight	25.70 LBS
Minimum Distance Between Bottom Of Fan Blade To Floor	7 feet

KICHLER®

minkaAire®

Item #	UPC Code:
F594L-ORB	706411055591
Product Family Name:	Finish:
Traditional Concept™	Oil Rubbed Bronze
Category:	Category Type:
EXTERIOR FAN	Ceiling Fan
Certification	
E75795	
Patents:	
Notes:	

4

LOCATION: OUTDOOR AREA

Cap for Non-Light Use (Incl.)

Image File Name: **F594L-ORB.jpg**
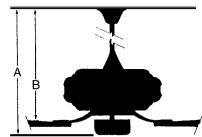
MEASUREMENTS

Blade Finish:				Reversible Blades:
				No
Blade Material:				Slope:
ABS CONSTRUCTION				No
Blade Sweep:	No. of Blades:	Blade Pitch:		Hanging Weight:
52"	3	14 degrees		22.69
Downrod 1:	Downrod 1 Outside Dia:	Downroad 2:		Downrod 2 Outside Dia:
Ceiling to Lowest Point: (Dim A)	Ceiling to Blade (Dim B)	Lead Wire:		Motor Size:
11.0	7.5	8"		172X20MM

	Low	Low/Med.	Medium	Med/High	High
RPM:	69				161
Amps:	0.246				0.51
Watts:	14.03				60.54
CFM:	2116.0				5203.0
CFM/Watts:	150.82				85.94

LAMPING

No. of Bulbs:	Light Type:			
1	LED			
Max Bulb Wattage:	Socket:			
14	LED			
Light Kit:	Dimmable:	Ballast:	Rated Life Hours:	Uplight:
Yes	Yes		30000	No
Bulb/LED Included:	Color Temp.:	CRI:	Initial Lumens:	Delivered Lumens:
Yes	3000	84	1363.0	478.0

GLASS

Description:		Material:
Tinted Opal		GLASS
Part No.:		Quantity:
		1
Width:	Height:	Length:

FAN CONTROLS

Pull Chain Control:	Works with Remote Control:	Works with Wall Control:
No	Yes	Yes
Reversible:	Included Remote Control:	Included Wall Control:
Yes		WCS212
	Compatible Remote Control(s):	Compatible Wall Control(s):
	RCS212	

SHIPPING

Carton Width:	Carton Height:	Carton Length:
13.0	12.88	23.75
Carton Weight:	Carton Cubic Feet:	Small Package Shippable:
26.31	2.301	Yes
Master Pack Width:	Master Pack Height:	Master Pack Length:
Master Pack Weight:	Master Cubic Feet:	Multi-Pack: Master Pack:
		1 1

LED

Wet Location

UL Listed

Rev 03.06.2018 09:00 PM

WALL SCONCES

Image File Name: **3673-111.jpg**

Vortic Flow - 3 Light Wall Sconce

Item #:	3673-111
UPC Code:	747396105765
Product Family Name:	Vortic Flow
Finish:	Dark Bronze with Mosaic Gold Interior
Category:	WALL SCONCE
Category Type:	Sconce
Certification:	E329266
Patents:	
Notes:	

LOCATION: ENTERTAINMENT AREA 1&2

Damp Location   UL Listed

MEASUREMENTS

Width:	7
Length:	
Height:	12
Extension:	4.5
Height Adjustable:	NO
Min Overall Height:	
Max Overall Height:	
Slope:	NO
Wire Length:	
Chain Length:	
Safety Cable Included:	NO
Net Weight:	4.41
Canopy Width:	
Canopy Height:	
Canopy Length:	
Center to Bottom:	6.0
Backplate Width:	7.0
Backplate Height:	12.0
Center to Top:	6.0
Power:	

LAMPING

No. of Bulbs:	3
Max Bulb Wattage:	60
Light Type:	T8,CAND
Socket:	E12,CAND
Dimmable:	NO
Ballast:	
Rated Life Hours:	
Photocell Included:	NO
Bulb/LED Included:	N
Bulb/LED Included:	
Color Temp.:	
CRI:	
Initial Lumens:	
Delivered Lumens:	

GLASS

Description:	
Material:	
Part No.:	
Quantity:	
Width:	
Height:	
Length:	

SHIPPING

Carton Width:	9.5
Carton Height:	7.25
Carton Length:	15.0
Carton Weight:	5.32
Carton Cubic Feet:	0.598
Small Package Shippable:	YES
Master Pack Width:	
Master Pack Height:	
Master Pack Length:	
Master Pack Weight:	
Master Cubic Feet:	
Multi-Pack:	1
Master Pack:	1

For additional information, please contact Customer Care: 1-800-221-7977 | Product depicted on this spec sheet is protected by United States Federal and/or State laws including U.S. Patent, Trademark and/or Copyright and unfair competition laws. Unauthorized reproduction or use carries severe legal penalties.

Rev 01.09.2024 03:18 AM

JONATHAN Y Lighting Pack of (6) 4 Watt C35 Candelabra (E12) LED Bulbs - 420 Lumens, 2700K, and 80CRI
Model: **BLB-C35A-SET6**

Characteristics and Features

Bulb Base	❓	Candelabra (E12)
Bulb Color	❓	Clear
Bulb Shape	❓	C35
Bulb Type	❓	LED
Bulk Pack	❓	Yes
Color Temperature	❓	2700K
Dimmable	❓	No
LED	❓	Yes
Number of Bulbs	❓	6

MINKA LAVERY®

Item # 72492-68	**UPC Code:** 747396106106
Product Family Name: San Marcos	**Finish:** Black with Antique Copper Accents
Category: OUTDOOR WALL MOUNT	**Category Type:** Outdoor Lighting
Certification 4009012	
Patents:	
Notes:	

2

LOCATION: O T OOR AREA
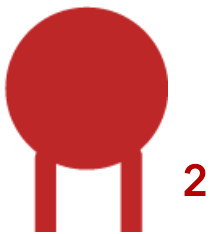
Image File Name: 72492-68.jpg

MEASUREMENTS

Width: 6.5	Length: 14.88	Height: 7.75	Extension: 7.75
Height Adjustable: No	Min Overall Height:	Max Overall Height:	Slope: No
Wire Length: 7	Chain Length:	Safety Cable Included: No	Net Weight: 5.29
Canopy Width:	Canopy Height:	Canopy Length:	Center to Bottom: 11.38
Backplate Width: 4.5	Backplate Height: 7.13	Center to Top: 3.5	

No. of Bulbs: 1	Light Type: ST-58			
Max Bulb Wattage: 60	Socket: E26, MEDIUM			
Dimmable: Yes	Ballast:	Rated Life Hours:	Photocell Included: No	Bulb/LED Included: N
Bulb/LED Included:	Color Temp.:	CRI:	Initial Lumens:	Delivered Lumens:

Description: CLEAR SEEDED		Material: GLASS
Part No.: G72492		Quantity:
Width: 4.5	Height: 11.63	Length: 4.5

SHIPPING

Carton Width: 10.25	Carton Height: 18.5	Carton Length: 11.5
Carton Weight: 7.28	Carton Cubic Feet: 1.262	Small Package Shippable: Yes
Master Pack Width:	Master Pack Height:	Master Pack Length:
Master Pack Weight:	Master Cubic Feet:	Multi-Pack: 1	Master Pack: 1

Wet Location

ETL Intertek

⚠ **WARNING:** Handling this product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands with soap and water after installing, handling, cleaning or otherwise touching this product. For more information go to: www.P65Warnings.ca.gov.

For additional information, please contact Customer Care: 1-800-221-7977 | Product depicted on this spec sheet is protected by United States Federal and/or State laws including US Patent, Trademark and/or Copyright and unfair competition laws. Unauthorized reproduction or use carries severe legal penalties.

Rev 10.21.2021 10:42 AM

Globe Electric Single Vintage Edison 60W Soft White Dimmable T10 Medium (E26) Incandescent Bulb
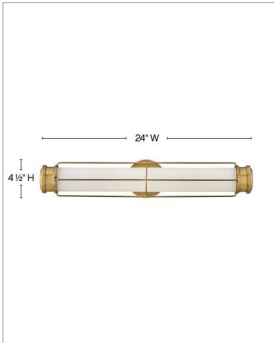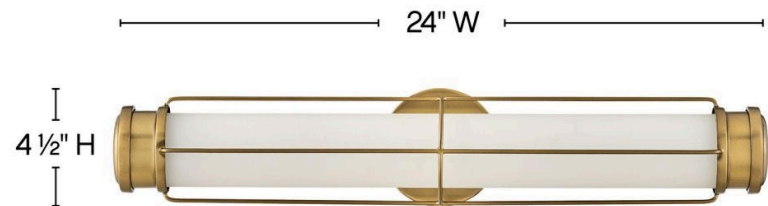Model:01322

Characteristics and Features

Bulb Base	ⓘ	Medium (E26)
Bulb Color	ⓘ	Clear
Bulb Shape	ⓘ	T10
Bulb Type	ⓘ	Incandescent
Color Temperature	ⓘ	2700K
Dimmable	ⓘ	Yes
Number of Bulbs	ⓘ	1
Vintage Edison Bulb	ⓘ	Yes

LOCATION: BATHROOM

24" W

4 ½" H

SAYLOR

54302HB

MEDIUM LED SCONCE

Saylor's classic look epitomizes nautical chic. Etched opal glass, striking cross bars, and bold end caps merge with LED technology without sacrificing timeless appeal. This transitional silhouette can be mounted horizontally or vertically with an Invisimount system. Offered in three finishes, Black, Heritage Brass and Polished Nickel, Saylor is sure to add a maritime flair to any space.

DETAILS	
FINISH:	Heritage Brass
MATERIAL:	Steel
GLASS:	Etched Opal

DIMENSIONS	
WIDTH:	24"
HEIGHT:	4.5"
WEIGHT:	1.8
BACK PLATE:	4.5" Dia.
EXTENSION:	5.3
TOP TO OUTLET:	2.25

LIGHT SOURCE	
LIGHT SOURCE:	Integrated LED
LED NAME:	E2G24W7WI
WATTAGE:	24w LED *Included
VOLTAGE:	120v
COLOR TEMP:	3000
LUMENS:	2100
CRI:	95
INCANDESCENT EQUIVALENCY:	2 x 75w
DIMMABLE:	Yes - CL Type Dimmer (SSL7A)

SHIPPING	
CARTON LENGTH:	26.8
CARTON WIDTH:	11.3
CARTON HEIGHT:	7.5
CARTON WEIGHT:	2.6

PRODUCT DETAILS:

- Mounting hardware is hidden on the backplate to ensure a clean silhouette
- Fixture can be mounted vertically
- Fixture can be mounted horizontally.
- Suitable for use in damp locations as defined by NEC and CEC. Meets United States UL Underwriters Laboratories & CSA Canadian Standards Association Product Safety Standards
- Meets California Energy Commission 2013 & 2016 Title regulations/JA8
- LED components carry a 5-year limited warranty
- Merging the best of traditional and modern elements, with a sophisticated and streamlined look
- Classic gleaming light brass finish

CHANDELIER

Meyda Tiffany Kyoto Semi-Flushmount Ceiling Fixture
Model:**118532**
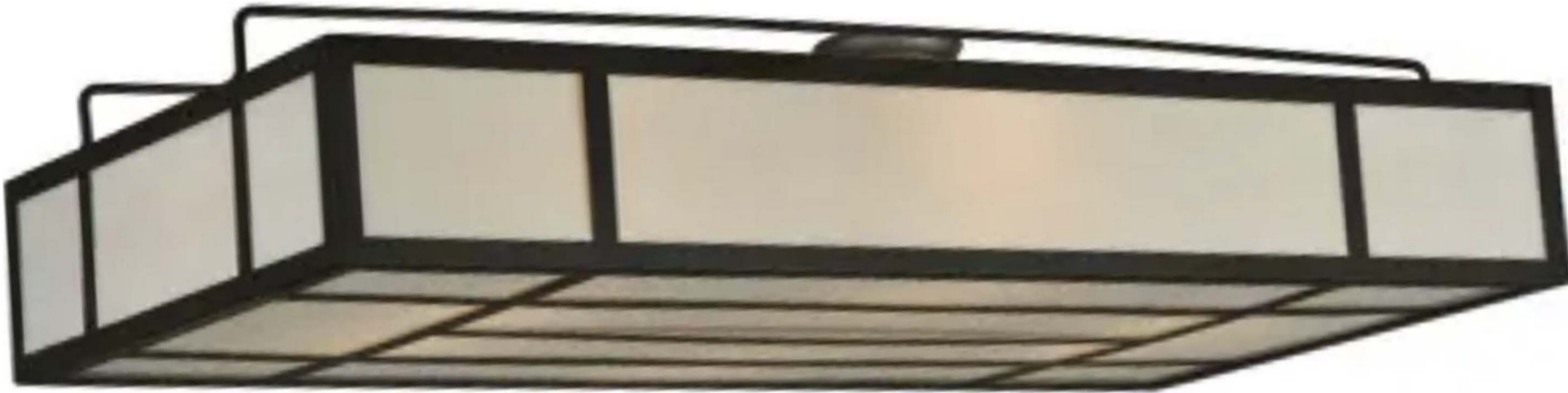
Dimensions and Measurements

Depth	❓	21 in.
Height	❓	8 in.
Product Weight	❓	21 lbs.
Width	❓	41 in.

Included Components

Shade	❓	Yes

MADE TO ORDER PRODUCT ALLOW 8 TO 11 WEEKS TO SHP OUT

Characteristics and Features

Bulb Base	❓	Medium (E26)
Bulb Type	❓	Compact Fluorescent, Incandescent
Bulb Visible	❓	No
Fixture Shape	❓	Linear
Light Direction	❓	Ambient Lighting
Number of Bulbs	❓	6
Number of Light Source(s)		
Shade Shape	❓	Rectangle
Theme	❓	Craftsman

Electrical and Operational Information

Power Source	❓	Hardwired
Wattage	❓	600
Watts Per Bulb	❓	100

SEMI-FLUSH LIGHTS

CHIP | FLUSH MOUNT

57690 | 57692 | 57694 | 57695 | 57697 | 57699

- Size options: 5," 6.5," 7," and 9"
- Available in 3000k (Made-to-order Color Temperatures available)
- Suitable for Closets according to NEC Section 410.8 & 410.16
- Available in Black (BK), Satin Nickel (SN) and White (WT)
- Dimmable with Triac and ELV Dimmers
- Easy to install: fits in 3-0 and 4-0 Outlet Box (pancake and mud ring acceptable)
- Pendant light accessory available (sold separately)
- Edge-Lit LED Technology
- Suitable for Wet Location, for use on ceilings outdoor and above showers
- cETLus

1

LOCATION: YM &   TILITY ROOM
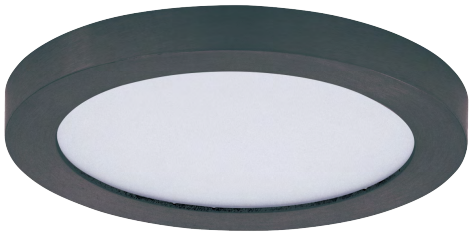
Round
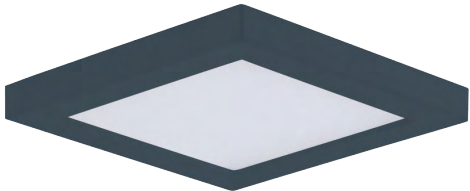
Square

PRODUCT DESCRIPTION

This low profile flush mount is our entry level Wafer. Manufactured of a plastic shell with aluminum backing, the Chip brings all the look of the Wafer at economical pricing for residential applications. The bright and even lighting effect is delivered by edge-lit technology offering an upscale surface mount solution to substitute recessed can lighting.
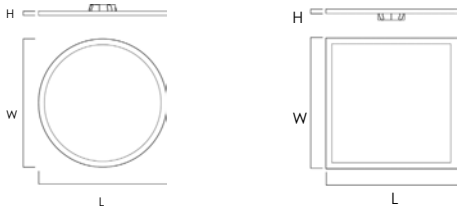
MEASUREMENTS

MODEL		DIMENSION	WIRE LENGHT
57690	RD	5.25"W x 0.5"H x 5.25"L	8"L
57692	RD	7"W x 1.25"H x 7"L	8"L
57694	RD	9" W x 1.25" H x 9"L	6"L
57695	SQ	5"W x 0.5"H x 5"L	8"L
57697	SQ	6.4"W x 0.5"H x 6.4"L	8"L
57699	SQ	8.5" W x 0.75" H x 8.5"L	8"L

LAMPING

MODEL	BULB TYPE	CRI	COL TEMP.	LUMENS DEL	DIMMABLE	INPUT
57690	12W PCB Integrated LED	90+	3000K	750	Triac CL/ELV	120V
57692	16W PCB Integrated LED	90+	3000K	1100	Triac/ELV	120V
57694	18W PCB Integrated LED	90+	3000K	1250	Triac/ELV	120V
57695	12W PCB Integrated LED	90+	3000K	900	Triac CL/ELV	120V
57697	15W PCB Integrated LED	90+	3000K	1050	Triac CL/ELV	120V
57699	18W PCB Integrated LED	90+	3000K	1250	Triac CL/ELV	120V

Always consult a qualified electrician before installing any lighting product

FINISHES OPTIONS:
Satin Nickel (SN)
White (WT)
Black (BK)

MATERIAL:
Polycarbonate + Steel

GLASS:
White

AVAILABLE SIZE:
5" | 6.5" | 7" | 9"

RATINGS:
cETLus
Wet Location
Title 24 JA8 Compliant
Energy Star
ADA

ADDITIONAL:
INSTALL UP/DOWN: UP
RATED LIFE: 50,000 hours
OPERATING TEMPERATURE:
-20°C (-4°F), 40°C (104°F)

MAXIM® LIGHTING

SPEC SHEET

2

LOCATION: WALKWAY

Covet Small Flush Mount

Item # KW 4114BZ-ALB
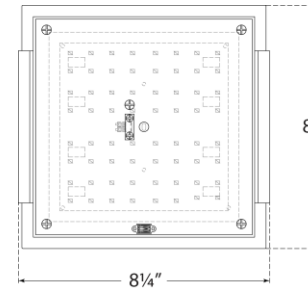
Designer: Kelly Wearstler

Height: 2.25"
Width: 8.25"
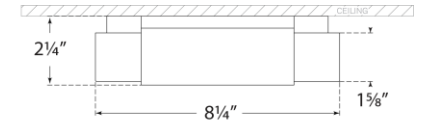Canopy: 7.25" Square
Finishes: AB, BZ, PN
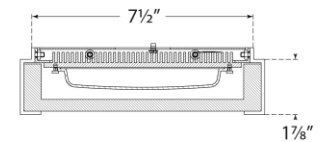Shade Treatments: ALB
Socket: Dedicated LED
Wattage: 24w (2000lm)

2¼"

8¼"

1⅝"

Front View

8"

8¼"

Top View

7½"

1⅞"

Side View

VISUAL COMFORT

CEILING

DAMP 4

RECCESSED LIGHTS

LOCATION: ENTERTAINMENT AREA 1&2, CLOSET

Model	Size	Watts	Delivered lumens	LED lumens	CRI	Color °T	Voltage
5003-CC	3"	8 W	560 lm	640 lm	80	2700, 3000, 3500, 4000, 5000 K	120 V
5004-CC	4"	11 W	770 lm	880 lm	80	2700, 3000, 3500, 4000, 5000 K	120 V
5006-CC	6"	14 W	980 lm	1120 lm	80	2700, 3000, 3500, 4000, 5000 K	120 V

Specifications

Every fixture includes a junction box with an integrated driver

Over 35,000 hours of service life

Can be daisy chained

Superior LED performance and lifespan

Smooth 360° wide spread

Minimal heat emission

Frosted lens

Edge lit technology

Aluminum construction

Switch-selectable CCT: 2700K/3000 K/3500 K/4000 K/5000 K

Very low profile

IC certification (suitable for direct contact with insulation)

Air-tight certified as per ASTM E283-04
Suitable for wet locations
Ideal operating temperature: −20° to 40° C
Refer to website for dimmer compatibility
5-year warranty

Finish

● **BK** Black (5004-CC, 5006-CC)

○ **SN** Satin Nickel (5004-CC)

○ **WH** White (5003-CC, 5004-CC, 5006-CC)

Note

Other Color °T and Finishes available, but may require MOQ's and longer lead times. Please contact your DALS representative for more information.

Accessories

REC-5CCT-EXT108
108" extension cable

RFP-23 (5003-CC)
Rough-in plate

RFP-46 (5004, 5006)
Rough-in plate

RFP-UNI
Universal rough-in plate

Order example

5004-CC-WH
White 4" round panel with 770 lumens at 3000 K
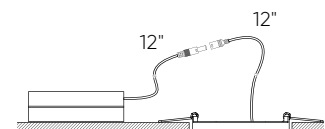

5003-CC Ø3 ⅜"
Ø3 ¾" x 0.5"

5004-CC Ø4 ¼"
Ø4 ¾" x 0.5"

5006-CC Ø6 ½"
Ø7 ⅛" x 0.5"

12" 12"
5.1" x 3" x 1.25"

ABF110DH L6 SERIES

Ventilation Fan with LED Light & Humidity Sensor

AeroPure FANS

Description:

Ultra quiet, ceiling mount, DC Bathroom Fan with adjustable speed control from a low of 50-80-110CFM. 10W 3000K, 850 Lumens dimmable LED light and 0.7W nightlight. Includes an internal user adjustable humidity sensor. Suitable for new construction or remodeling. Fan shall be ENERGY STAR qualified and HVI certified. ETL/cETL listed for use in insulated ceilings.(TypeI.C.).

Motor/Blower:

- Brushless, high-performance DC Motor

- Engineered for continuous operation.

- Power rating shall be 120v/60Hz.

- Fan shall be UL and cUL listed for tub/shower enclosure when GFCI protected.

- Motor equipped with thermal shut-off.

Housing:

- Galvanized Steel Body

- Duct connector adapts to 4", 5" and 6" ductwork.

- Built-in damper

- Articulating and expandable anti-vibration brackets included.

- Designed for installation in ceilings with a minimum of 8" clearance.

Grille:

Low maintenance, attaches to housing with torsion springs. Round on square design.

Finishes: White (W), Satin Nickel (SN), Satin Gold (SG), Oil Rubbed Bronze (OR), Farmhouse Black (FHB).

Light: Energy-efficient dimmable 10W, 3000K LED with 0.7W nightlight.

Ventilating Area:

For bathrooms up to 110 square feet.

Humidity Sensor:

Adjustable from 50% - 100% relative humidity. Responds to humidity level above a preset point.

Warranty:

6 Years if installed by licensed professional.

Architectural Specifications:

Ventilation fan will be ceiling mount, ENERGY STAR qualified, with no less than 110CFM and no more than 0.9 Sones as certified by HVI at 0.1 static pressure in inches water gauge. Power consumption shall be no greater than 15.2 watts and ENERGY STAR rated with an efficiency rating of no less than 7.4CFM/watt. The DC motor will be brushless and engineered for continuous operation. CFM switch tab will allow for 3 separate airflow setting for duct diameter of 4", 5" or 6" round. Light shall be 10W, 3000K dimmable LED with 0.7W nightlight. Fan will start when humidity level rises above user setpoint. Fan shall be listed for tub/shower enclosure when used with GFCI branch circuit wiring and shall be ETL/cETL listed for use in insulated ceilings (Type I.C.). Fan shall be ASHRAE 62.2, LEED, California Title 24 and Washington VIAQ compliant.
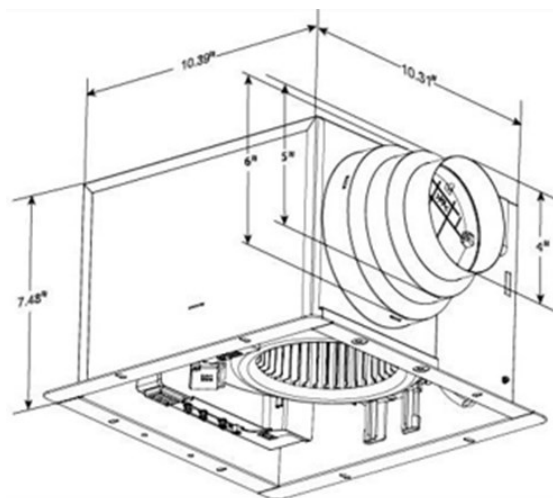
Model: ABF110DHL Series	4" Duct	
Static Pressure (inches w.g.)	0.1	0.25
Air Volume (CFM)	110	93.9
Noise (Sones)	0.9	1.2
Power Consumption (Watts)	15.2	16.7
Energy Efficiency (CFM/Watts)	7.4	5.6
Speed (RPM)	1095	n/a
ENERGY STAR rated	YES	
Grille Dimensions	13" x 13"	

ETL Listed Intertek | HVI 2100 CERTIFIED | ENERGY STAR | TITLE 24 COMPLIANT | CALGreen

Model	Qty	Comments	Project	
OR		LOCATION: BATHROOM	Location	
			Architect	
			Engineer	
			Contractor	
			Submitted by:	
			Date:	

813 Ridge Lake Blvd., Ste. 210 Memphis, TN 38120

843.377.8642   *www.aeropurefans.com*

LED LIGHT STRIP & POWER SUPPLY

6TL SERIES - 24V LED TAPE LIGHT

DRY LOCATION

SELECT

1. **Color Temperature and Lumen Output**

	STANDARD OUTPUT	**HIGH OUTPUT**	**ULTRA HIGH OUTPUT**
	• 32' max linear run length	• 20' max linear run length	• 10' max linear run length
	• 120-145 lumens/ft.	• 215-270 lumens/ft.	• 490-590 lumens/ft.
	• 1.5 W/ft., 90 CRI	• 3 W/ft., 90 CRI	• 7.2 W/ft., 90 CRI
	• Cuttable every 4"	• Cuttable every 4"	• Cuttable every 2.5"

	AMBER WHITE - 2400K	**AMBER WHITE - 2400K**	**Requires soldered connections; doesn't work with tape light supply leads or connectors**
	6T116S24 WH • 16' (24W)	**6T120H24 WH** • 20' (60W)	

WARM WHITE

	WARM WHITE - 2700K	**WARM WHITE - 2700K**	**WARM WHITE - 2700K**
	6T110S27 BK, WH • 10' (15W)	**6T110H27 BK, WH** • 10' (30W)	**6T110UH27 BK, WH** • 10' (72W)
	6T116S27 BK, WH • 16' (24W)	**6T120H27 BK, WH** • 20' (60W)	
	6T1100S27 BK, WH • 100'	**6T1100H27 BK, WH** • 100'	

PURE WHITE

	PURE WHITE - 3000K	**PURE WHITE - 3000K**	**PURE WHITE - 3000K**
	6T110S30 BK, WH • 10' (15W)	**6T110H30 BK, WH** • 10' (30W)	**6T110UH30 BK, WH** • 10' (72W)
	6T116S30 BK, WH • 16' (24W)	**6T120H30 BK, WH** • 20' (60W)	
	6T1100S30 BK, WH • 100'	**6T1100H30 BK, WH** • 100'	

BRIGHT WHITE

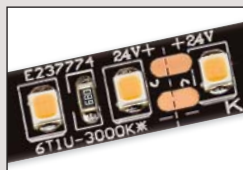|	**BRIGHT WHITE - 5000K**	**BRIGHT WHITE - 5000K**	**BRIGHT WHITE - 5000K**
	6T116S50 BK, WH • 16' (24W)	**6T120H50 BK, WH** • 20' (60W)	**6T110UH50 BK, WH** • 10' (72W)
	6T1100S50 BK, WH • 100'	**6T1100H50 BK, WH** • 100'	

Tape light rolls come with a 2' supply wire soldered to the beginning and end of each roll.

AVAILABLE FINISHES

WH White
Shown in Standard Output

BK Black
Shown in Ultra High Output

2. **Power Supply Leads and Interconnect Cables**   **3.** **Power Supply**   **4.** **Optional Accessories**

POWER SUPPLY LEADS
Connects tape light to power supply. Cannot be used as an interconnect cable.

1SL2 BK, WH
• 2' DC jack supply lead

1SL8 BK, WH
• 8' DC jack supply lead

1SLW2 BK, WH
• 2' supply lead
• No DC connector

1SLW8 BK, WH
• 8' supply lead
• No DC connector

INTERCONNECT CABLES
Used to connect 2 sections of tape light together or for making tight turns.

1C1 BK, WH
• Inline splice

1IC02 BK, WH
• 2" Interconnect

1IC06 BK, WH
• 6" Interconnect

1IC12 BK, WH
• 12" Interconnect

1IC36 BK, WH
• 36" Interconnect

1IC96 BK, WH
• 96" Interconnect

PLUG-IN POWER SUPPLY
Total wattage of tape light cannot exceed wattage rating of power supply.

10190BK30 30W
10190BK48 48W
10190BK60 60W
• 8' of cord with male DC 2.1 jack on end
• 2.4W minimum load requirement
• 120V – 240V input

DIRECT WIRE DIMMABLE
6TD24V60BKT 60W ✦
6TD24V96BKT 96W ✦
• Dimmable LED power supply

✦ Available early 2016. All power supplies are Class 2/24V DC.

INLINE DIMMER
10198 BK, WH
• 0 – 100% dimming
• Can only be used on 24V output side of power supply
• 48W MAX
• For indoor use only

90° ALUMINUM TRACK
10171 BK, WH – 12"
10170 BK, WH – 36"
• ⁹⁄₁₆" H x ½" W
• 11 end caps included
• Tracks have pre-installed screws every 6"

90° END CAPS
10177 BK, WH
• 5 pieces

45° ALUMINUM TRACK
10173 BK, WH – 12"
10172 BK, WH – 36"
• ½" H x ½" W
• 11 end caps included
• Tracks have pre-installed screws every 6"

45° END CAPS
10178: BK, WH
• 5 pieces

U-CHANNEL ALUMINUM TRACK
10175 BK, WH – 12"
10174 BK, WH – 36"
• ¾" H x ½" W
• 11 end caps included
• Tracks have pre-installed screws every 6"

DIFFUSER
10179
• 36", cut to size

U-CHANNEL END CAPS
10176 BK, WH
• 5 pieces

SPLICE BOX
10189 BK, WH
• Use to splice tape light wires to Romex™ or other wire
• Accepts max. 14 gauge wire
• (4) ⅜" size K.O.
• Intended for low voltage connections only
• 2-⅜" L x 2-⅜" W x 1"

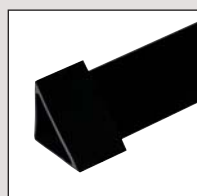## PLASTIC TRACK
12330 BK, WH – 36"
• 10 pack
• Snaps on the score every 6"

AVAILABLE TRACK/CHANNEL - Black (BK) and White (WH)

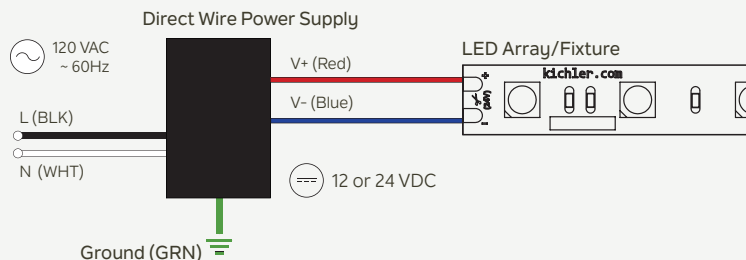45° Track   90° Track   U-Channel   U-Channel with Diffuser   36" Plastic Track

Direct Wire Dimmable Power Supply

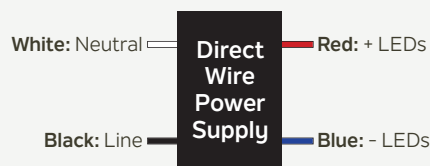## 12V & 24V 40W and 24V 10W Constant Voltage LED Drivers   4TD12V40BKT, 6TD24V40BKT, 6TD24V10BKT

40W & 10W Power Supply with wiring compartments.
No additional NEMA enclosure required.

Typical Application Diagram

Wiring Diagram

FEATURES & BENEFITS

- Economical choice for smaller or remote low-voltage systems projects like illuminating a kitchen island, china cabinet, or shelving.

- CL and ELV dimmer compatible
  - Visit Kichler.com/dimming for complete list

- Includes Wiring Compartments — no additional NEMA enclosure required.

APPLICATIONS

- Tape light
- Hard Strip lights (24V)
- Accent Disc lights

Nominal Input Voltage	Max Output Power	Output Voltage	Output load Min
120 Vac	40W 10W	12, 24V CV 24V CV	30%

CV: Constant Voltage

Output Current Max	Efficiency	Max Ambient Temperature	THD
3.3 A (12V, 40W) 0.42 A (24V, 10W) 1.7 A (24V, 40W)	> 85% typical	50º C (10W) 45º C (40W)	<30%

Power Factor	Dimming Range	Startup Time
>0.9	10-100% of light output	< 500 ms (40W) <1000 (10W)

5 YEAR WARRANTY   FC   ETL LISTED US

KICHLER®

Direct Wire Dimmable Power Supply

1 - ORDERING INFORMATION

Part Number	Nominal AC Line Voltage (VAC)	Pout Max (W)	Pout Min (W)*	Vout Max (V)	Iout Max (V)	Vout Regulation
4TD12V40BKT	120	40	12	12	3.3	11.64 – 12.36 (+/- 0.9V)
6TD24V10BKT	120	10	3	24	0.42	23.26 – 24.74 (+/- 1.8V)
6TD24V40BKT	120	40	12	24	1.7	23.26 – 24.74 (+/- 0.74V)

*Load must exceed Pout Min for proper operation. Pout Min is a typical value and may vary from unit to unit.

CONTENTS OF BOX
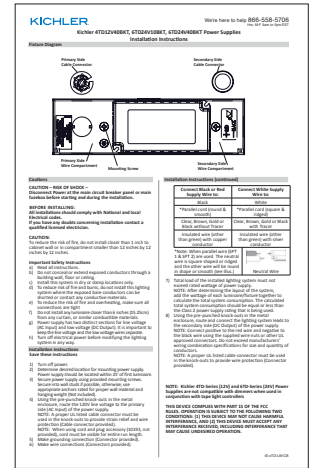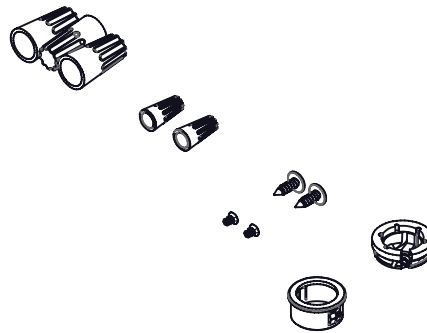
Direct Wire Dimmable Power Supply with Wiring Compartments — No additional NEMA enclosure required.

5 wire nuts, 2 mounting screws, 2 lid screws, 2 strain reliefs

Instruction Sheet

2 - INPUT SPECIFICATION (at 25°C AMBIENT TEMPERATURE)

	Units	Minimum	Typical	Maximum	Notes
Input Voltage Range (Vin)	Vac	108	120	132	–
Input Frequency Range	Hz	47	60	63	When not used with a dimmer. (60 Hz +/- 3 when used with a dimmer)
Power Factor (PF)	–	0.9	>0.9	–	At nominal input voltage and full rated load
Inrush Current	Meets NEMA-410 requirements				At any nominal input full sine wave voltage and full rated load
Input Harmonics	Complies with IEC61000-3-2 for Class C				–
Total Harmonic Distortion (THD)	–	–	–	20%	• At nominal input voltage and full rated load • Complies with DLC (Design Light Consortium) technical requirements
Efficiency	%	–	85% (40W) 82% (10W)	–	At nominal input voltage and full rated load
Isolation	Meets UL60950-1 for class II reinforced/double insulation power supply			▣	
Standby Power	W	–	–	0.7 (40W) 0.6 (10W)	With no load

KICHLER

KichlerPro.com

Direct Wire Dimmable Power Supply

3 - OUPUT SPECIFICATION (at 25°C AMBIENT TEMPERATURE)

	Units	Minimum	Typical	Maximum	Notes
Output Voltage (Vout)	Vdc	-	12, 24	-	-
Output Current (Iout)	A	0	-	3.3 A 0.42 A 1.7 A	• for 4TD12V40BKT, 40W/12V • for 6TD24V10BKT, 10W/24V • for 6TD24V40BKT, 40W/24V
Output Voltage Regulation	%	-	+/– 3.0	-	Includes AC line voltage, load, and voltage set point variations
Output Voltage Overshoot	%	-	-	20	The driver does not operate outside of the regulation requirements for more than 200 ms during power on
Output Current Ripple	≤ 15% output current ripple for each model				• Measured at nominal input voltage
Dimming Range	%	10	-	100	As a % of light output
Start-up Time	ms	-	-	500 (40W) 1000 (10W)	-

4 - ENVIRONMENTAL CONDITIONS

	Units	Minimum	Typical	Maximum	Notes
Operating Ambient Temperature (Ta)	°C	–10	-	+45 +50	@45°C Ambient – 12V @50°C Ambient – 24V
Storage Temperature	°C	–20	-	+60	-
Humidity	%	10	-	95	Non-condensing
Cooling	Convection cooled				-
Lifetime	hours	40,000	-	-	-

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5 - EMC COMPLIANCE AND SAFETY APPROVALS

EMC Compliance			
Conducted and Radiated EMI	FCC CFR Title 47 Part 15 Class B at 120 Vac		
Harmonic Current Emissions	IEC61000-3-2		–
Voltage Fluctuations & Flicker	IEC61000-3-3		–
Immunity Compliance	ESD (Electrostatic Discharge)	IEC61000-4-2	6kV contact discharge, 8kV air discharge, level 3
	RF Electromagnetic Field Susceptibility	IEC61000-4-3	3V/m, 80 - 1000 MHz, 80% modulated at a distance of 3 meters
	Electrical Fast Transient	IEC61000-4-4	+/- 2kV on AC power port for 1 minute, +/- 1kV on signal/control lines
	Surge	IEC61000-4-5	+/- 1kV line to line (differential mode) / +/- 2kV line to common mode ground (tested to secondary ground) on AC power port, +/- 0.5kV for output cables
	Conducted RF Disturbances	IEC61000-4-6	3V, 0.15-80MHz, 80% modulated
	Voltage Dips	IEC61000-4-11	>95% dip, 0.5 period; 30% dip, 25 periods; 95% reduction, 250 periods
Transient Protection	Ring Wave	–	ANSI/IEEE c62.41.1-2002 & c62.41.2-2002 category A, 2.5kV ring wave

Safety Agency Approvals	
ETL	Conforms to ANSI/UL 2108
cETL	Certified to CAN/CSA Std. C22 No. 9.0

Safety					
	Units	Minimum	Typical	Maximum	Notes
Hi Pot (High Potential) or Dielectric Voltage-Withstand	Vdc	2500	–	–	• Insulation between the input (AC line and Neutral) and the output • Tested at the RMS voltage equivalent of 1768 Vac

6 - PROTECTION FEATURES

- **Under-Voltage (Brownout)**
The Power Supply provides protection circuitry such that an application of an input voltage below the minimum stated in paragraph 1 (Input Specification) shall not cause damage to the driver.

- **Short Circuit**
The Power Supply is protected against short circuit such that a short from any output to return shall not result in a fire hazard or shock hazard. The driver shall hiccup as a result of a short circuit or over current fault. Removal of the fault will return the driver to within normal operation. The driver shall recover, with no damage, from a short across the output for an indefinite period of time.

- **Internal Over Temperature Protection**
The Power Supply incorporates circuitry that prevents internal damage due to an over temperature condition. An over temperature condition may be a result of an excessive ambient temperature or as a result of an internal failure. When the over temperature condition is removed, the driver shall automatically recover.
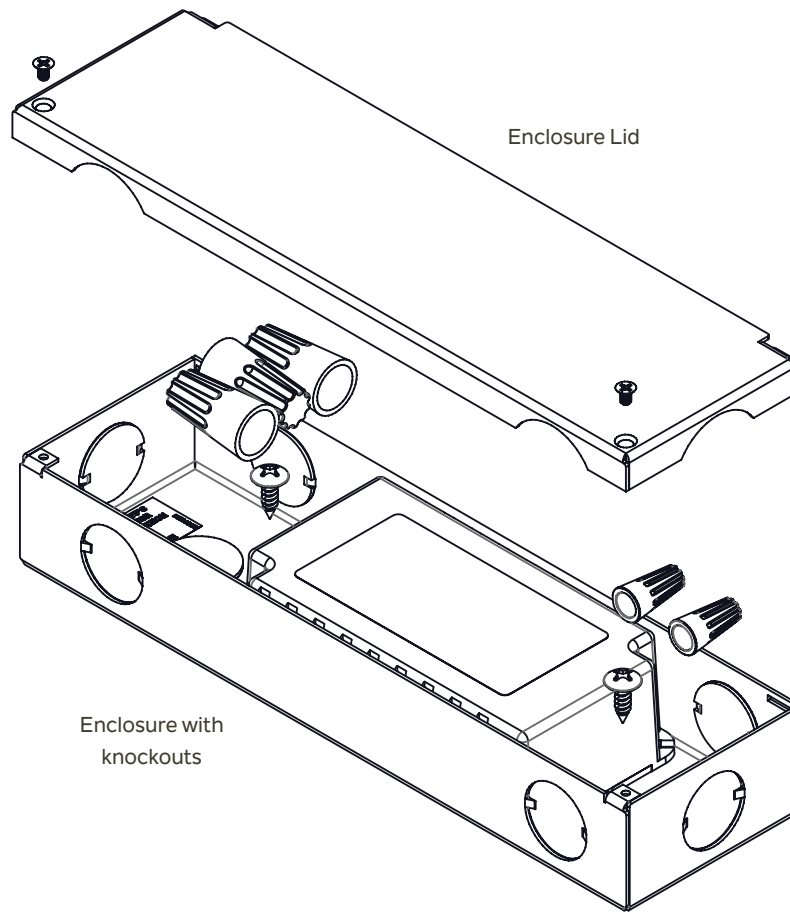
- **Output Over-Voltage Protection**
The output voltage of the Power Supply is limited to +5% of the rated output voltage of each model.

7 –INSTALLATION

Figure 3

Enclosure Lid

Enclosure with knockouts

---

8 - DIMMING

For recommended dimmers, visit **Kichler.com/dimming**.

KICHLER

Direct Wire Dimmable Power Supply

9 - VOLTAGE DROP CHARTS

For best performance and lumen output, ensure proper wire gauge is installed to compensate for voltage drop of low voltage circuits.

12V VOLTAGE DROP CHART

	5W 0.42A	10W 0.83A	20W 1.67A	30W 2.5A	40W 3.33A	50W 4.17A	60W 5A
18 AWG	65 ft.	32 ft.	16 ft.	10 ft.	8 ft.	6 ft.	5 ft.
16 AWG	100 ft.	50 ft.	25 ft.	16 ft.	12 ft.	10 ft.	8 ft.
14 AWG	160 ft.	79 ft.	39 ft.	26 ft.	20 ft.	16 ft.	13 ft.
12 AWG	240 ft.	120 ft.	59 ft.	39 ft.	30 ft.	24 ft.	20 ft.
10 AWG	392 ft.	196 ft.	98 ft.	65 ft.	49 ft.	39 ft.	32 ft.

1 Determine load size.
Round up to the nearest load.

2 Determine distance from Power Supply to load.
Let's assume the distance is 28ft.
Round up to the nearest length.

3 See the recommended wire gauge to install to eliminate excess voltage drop.

24V VOLTAGE DROP CHART

|	5W 0.21A	10W 0.42A	20W 0.83A	30W 1.25A	40W 1.67A	50W 2.08A	60W 2.5A	70W 2.92A	80W 3.33A	90W 3.75A	100W 4.17A
18 AWG	261 ft.	130 ft.	65 ft.	43 ft.	32 ft.	26 ft.	21 ft.	18 ft.	16 ft.	14 ft.	13 ft.
16 AWG	401 ft.	200 ft.	100 ft.	66 ft.	50 ft.	40 ft.	33 ft.	28 ft.	25 ft.	22 ft.	20 ft.
14 AWG	639 ft.	319 ft.	160 ft.	106 ft.	79 ft.	63 ft.	53 ft.	45 ft.	39 ft.	35 ft.	31 ft.
12 AWG	959 ft.	479 ft.	240 ft.	160 ft.	120 ft.	95 ft.	79 ft.	68 ft.	59 ft.	53 ft.	47 ft.
10 AWG	1570 ft.	785 ft.	392 ft.	261 ft.	196 ft.	157 ft.	130 ft.	112 ft.	98 ft.	87 ft.	78 ft.

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10 - MECHANICAL DETAILS

Packaging: Metal case for all variations.

I/O Connections: Flying leads, 18 AWG on both AC and DC connections, insulation rated minimum 90°C, 300V, stripped and tinned. There is a ground wire attached to the metal enclosure.

11 - OUTLINE DRAWINGS

Figure 7
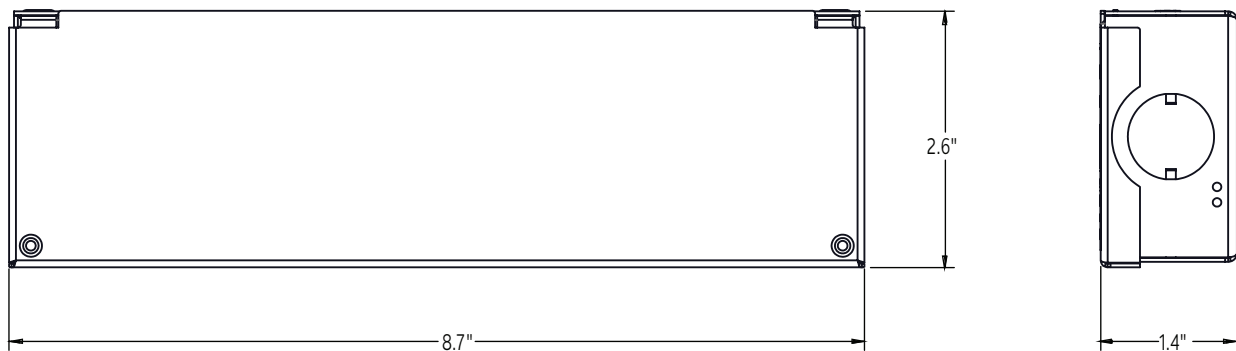
12 - LABELING

The 6TD24V40BKT is used in Figure 8 as an example to illustrate a typical label.

Figure 8

CLASS 2 / CLASSE 2
DIMMABLE POWER SUPPLY
MODEL: 6TD24V40   INPUT: 120 VAC, 60 Hz   OUTPUT: 24V, 40W
CAUTION / ATTENTION: MADE IN CHINA
RISK OF ELECTRIC SHOCK / RISQUE DE CHOC ELECTRIQUE
AC ONLY / C.A. SEULEMENT
SUITABLE FOR DAMP LOCATIONS / CONCIENT AUX EMPLACEMENTS HUMIDES
SUITABLE FOR MOUNTING INSIDE A CABINET. NOT FOR RECESSED MOUNTING
PEUT ETRE INSTALLE DANS UNE ARMOIRE
NE PAS UTILISER DANS UN MONTAGE ENCASTRE
ETL
c   us
Intertek
LB131264

13 - SAFETY WARNINGS / DISCLOSURES

1. Install in accordance with national and local electrical code regulations.

2. This product is intended to be installed and serviced by a qualified, licensed electrician.

3. NEC code 725. 136: Class 1 and Class 2 curcuits in same enclosure must be separated by a barrier unless Class 2 circuit conductors are installed in accordance with 725.41 Class 1 circuits. For example, Non Metallic (NM) cable is considered a Class 1 circuit conductor. Therefore, if both high voltage and low voltage circuits are installed with NM cable then the voltage barrier is not required for installation.

4. Only install compatible 12V or 24V Constant Voltage DC fixtures or warranty will be void.

5. Suitable for indoor / damp installation.

6. To compensate for voltage drop, ensure applicable gauge in-wall rated wire is installed between control and fixture.

7. Do not modify product beyond instructions or warranty will be void.

Kichler Lighting LLC
7711 E. Pleasant Valley Rd.
PO BOX 318010
Cleveland, Ohio 44131-8010

TECHNICAL SUPPORT - Contact Kichler Advanced Product Support: techsupport@kichler.com or 844-KICHLER (844-542-4537) M-F, 8:00 a.m. – 6:30 p.m. ET FREE

LAYOUT DESIGN - Available for Kichler partners - Visit Kichler.com/APS for details. © 2018 Kichler Lighting LLC. All Rights Reserved.