CUVÉE
S Y S T E M S

24W Compact LED Driver

The KAW/KCB series of compact LED drivers offers superior performance for small to medium size lighting fixtures, such as downlights, tracklights/spotlights and wall sconces where form factor, precise light control, quality of light and high reliability are critical factors.

Product Offering

Power: 24 W
Input: 220-240 V (50/60 Hz)
Output: 700 mA (30-42 V)
Dimming: Trailing Edge
IP rating: IP20

Features and Benefits

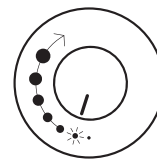|	
Compact Size	Specifically designed to fit in small lighting fixtures.
Flicker Free	World-class flicker free design ensures Percent Flicker less than 3% over the entire dimming range.
Deep Dimming	Excellent dimming performance to less than 1% with stable light output.
GloStart™	Turn light on at low dimming level (i.e. <10%).
5 Year Warranty	Backed by the industry leading warranty of 5 years gives confidence in long term, maintenance free performance.
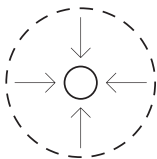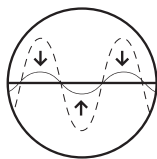
COMPACT SIZE   FLICKER FREE   DEEP DIMMING   GloStart™   5 YEAR WARRANTY

Input Characteristics

Nominal Input Voltage Range AC	220-240 VAC
Absolute Input Voltage Range AC	198-264 VAC
Maximum Input Current @230 VAC / 50 Hz	130 mA
Input Frequency	50/60 Hz
Power Factor with Full Load	>0.9
Efficiency	85%
THD with Full Load	≤20%
Maximum Inrush Current	<10 A

Output Characteristics

Rated LED Output Power	24 W
Nominal LED Output Current	700 mA
LED Output Current Tolerance	±5%
LED Output Voltage Range DC	30-42 V
Startup Time	>0.5s

Dimming Characteristics

Dimming Type	Trailing Edge
Dimming Range	1% - 100%
Percent Flicker	<3%

Environment Conditions

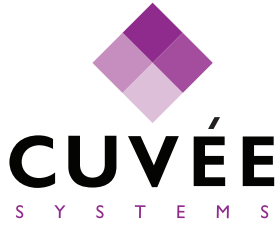|	
Operating Ambient Temperature (Ta) Range	-10 to 45 °C
Maximum Operating Ambient Temperature (Ta max)	45 °C
Maximum Operating Case Temperature (Tc max)	80 °C
Storage Temperature	-20 to 85 °C
Humidity	80%
Lifetime @ Tc mx	50,000 hours

Mechanical Details

Length (L)	62.4 mm
Width (W)	56.5 mm
Height (H)	24 mm
Weight	96 g

Protection Features

Over Voltage Protection (OVP)	>43 V
Output Short-Circuit Protection	Yes
Surge Protection	1 kV

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Outline Drawing

L x W x H
62.4 x 56.5 x 24 mm

24 mm

1.5 mm

62.4 mm

57.2 mm

52 mm

20.5 mm

18.6 mm

• tc

∅ 3.2 mm

56.5 mm

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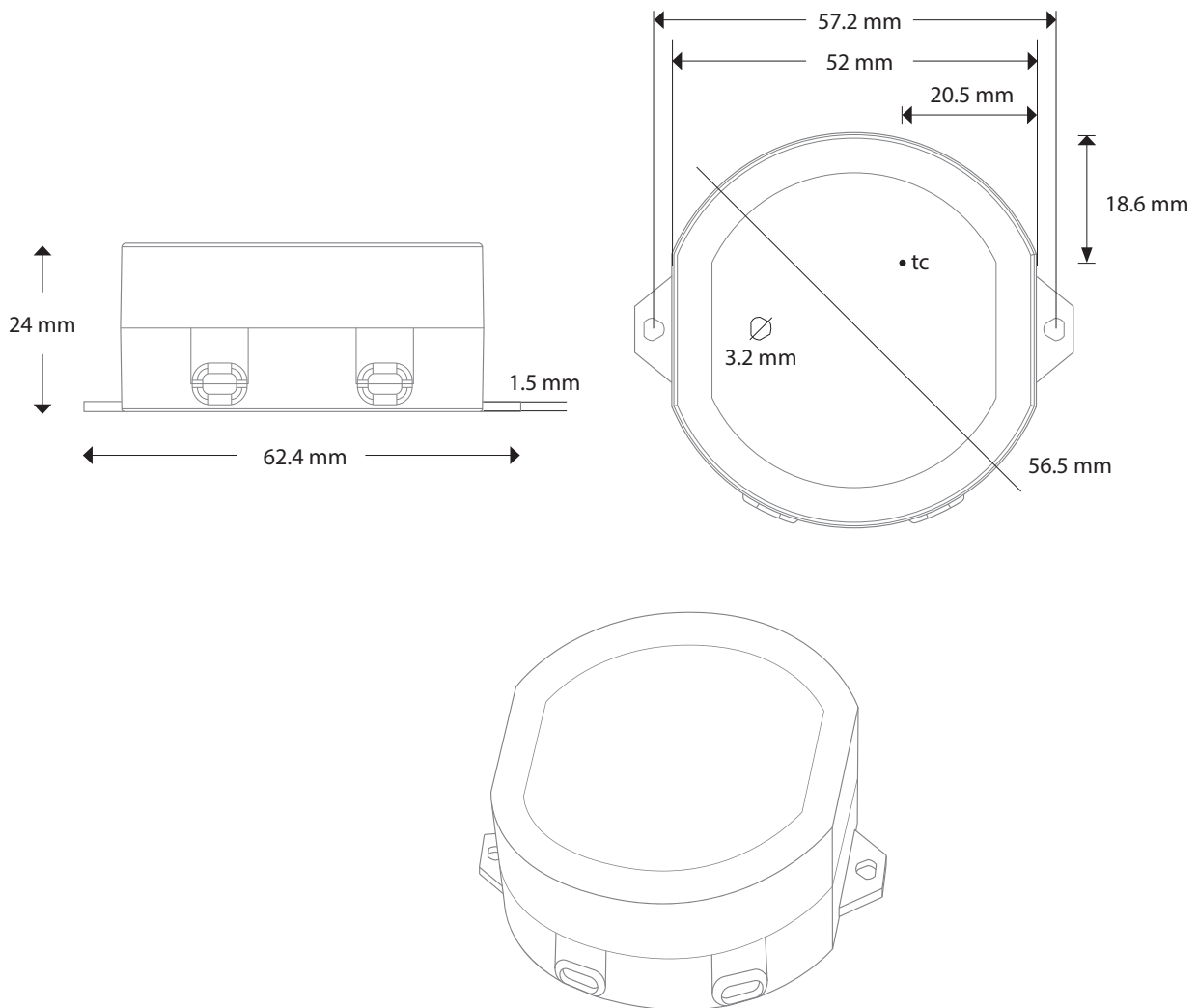
Wire Specifications

Input Wire	22 AWG
Output Wire	22 AWG
Wire Strip Length	15 cm

Ordering Information

KCB-24E70ITD/R

Certifications and Testing

EN 55015:2013 + A 1

EN 61000-3-2:2014

EN 61000-3-3:2013

EN 61347-1:2015

EN 61347-2-13:2014 + A 1

EN 61547:2009

CE ENEC 18 TÜFRheinland CERTIFIED Electromagnetic Compatibility Regular Production Surveillance www.tuv.com ID 40000 0000 00 SELV

Warranty

Warranty Period	5 years