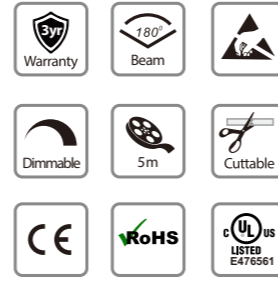


COB Series | 8W/M

320LED/M



CRI Option

- 80+
- 90+

PCB Thickness

- 2oz
- 3oz

PCB Color

- White
- Black
- Golden

Color Option

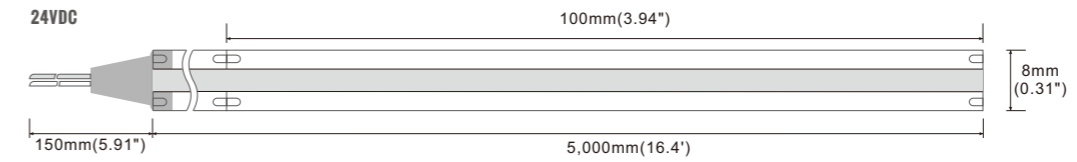
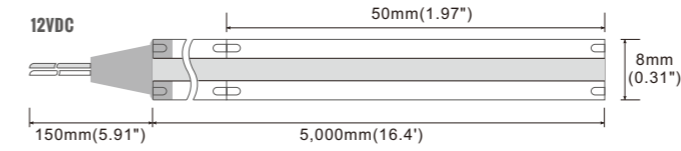
- 2200K
- 2700K
- 3000K
- 4000K
- 5000K
- 6500K
- 10000K
- Red
- Green
- Blue

Technical Data

Voltage	Code	Color	Watts	Lumen	Efficiency	Pitch	Width
12VDC @ Ra80+	COB3201-22	2200K	8	640	80	50mm	8mm
	COB3201-27	2700K	8	760	95		8mm
	COB3201-30	3000K	8	800	100		8mm
	COB3201-40	4000K	8	840	105		8mm
	COB3201-50	5000K	8	880	110		8mm
	COB3201-65	6500K	8	880	110		8mm
24VDC @ Ra80+	COB3202-22	2200K	8	640	80	100mm	8mm
	COB3202-27	2700K	8	760	95		8mm
	COB3202-30	3000K	8	800	100		8mm
	COB3202-40	4000K	8	840	105		8mm
	COB3202-50	5000K	8	880	110		8mm
	COB3202-65	6500K	8	880	110		8mm
12VDC @ Ra90+	COB3201-22	2200K	8	520	65	50mm	8mm
	COB3201-27	2700K	8	640	80		8mm
	COB3201-30	3000K	8	680	85		8mm
	COB3201-40	4000K	8	760	95		8mm
	COB3201-50	5000K	8	800	100		8mm
	COB3201-65	6500K	8	800	100		8mm
24VDC @ Ra90+	COB3202-22	2200K	8	520	65	100mm	8mm
	COB3202-27	2700K	8	640	80		8mm
	COB3202-30	3000K	8	680	85		8mm
	COB3202-40	4000K	8	760	95		8mm
	COB3202-50	5000K	8	800	100		8mm
	COB3202-65	6500K	8	800	100		8mm

The above measurements are based on IP20.
The above measurements can have a 10% tolerance.

Dimensions



Available Waterproof Ways

IP Rating	20	65A	65B	67
Section				
Material	none	Inject with Heat Shrink tube	Inject with Silicone tube	Inject with Silicone tube

The 65A, 65B and 67 will lead to a 5% brightness/efficiency drop.

Main Features

- Spots free without cover, ideal for linear and indirect lighting.
- 180° beam angle, more wider distribution compared to 120° in SMD.
- 12/24Vdc both available for human safety.
- Up to 320 chips in single meter PCB, one chip fail do not affect other chips.

Accessory | Aluminum Profile



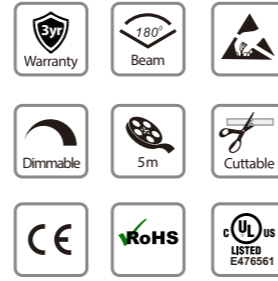
HH-P001-R

HH-P002-RL

HH-P004-R

COB Series | 10W/M

528LED/M



CRI Option

- 80+
- 90+

PCB Thickness

- 2oz
- 3oz

PCB Color

- White
- Black
- Golden

Color Option

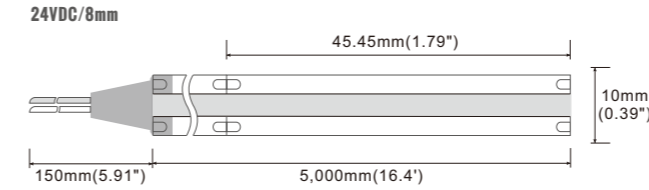
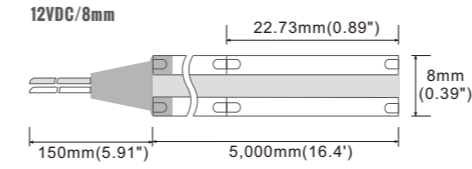
- 2200K
- 2700K
- 3000K
- 4000K
- 5000K
- 6500K
- 10000K
- Red
- Green
- Blue

Technical Data

Voltage	Code	Color	Watts	Lumen	Efficiency	Pitch	Width
12VDC @ Ra80+	COB5281-22	2200K	10	800	80	22.73mm	8/10mm
	COB5281-27	2700K	10	950	95		8/10mm
	COB5281-30	3000K	10	1000	100		8/10mm
	COB5281-40	4000K	10	1050	105		8/10mm
	COB5281-50	5000K	10	1100	110		8/10mm
	COB5281-65	6500K	10	1100	110		8/10mm
24VDC @ Ra80+	COB5282-22	2200K	10	800	80	45.45mm	8/10mm
	COB5282-27	2700K	10	950	95		8/10mm
	COB5282-30	3000K	10	1000	100		8/10mm
	COB5282-40	4000K	10	1050	105		8/10mm
	COB5282-50	5000K	10	1100	110		8/10mm
	COB5282-65	6500K	10	1100	110		8/10mm
12VDC @ Ra90+	COB5281-22	2200K	10	650	65	22.73mm	8/10mm
	COB5281-27	2700K	10	800	80		8/10mm
	COB5281-30	3000K	10	850	85		8/10mm
	COB5281-40	4000K	10	960	95		8/10mm
	COB5281-50	5000K	10	1000	100		8/10mm
	COB5281-65	6500K	10	1000	100		8/10mm
24VDC @ Ra90+	COB5282-22	2200K	10	650	65	45.45mm	8/10mm
	COB5282-27	2700K	10	680	80		8/10mm
	COB5282-30	3000K	10	850	85		8/10mm
	COB5282-40	4000K	10	950	95		8/10mm
	COB5282-50	5000K	10	1000	100		8/10mm
	COB5282-65	6500K	10	1000	100		8/10mm

The above measurements are based on IP20.
The above measurements can have a 10% tolerance.

Dimensions



Available Waterproof Ways

IP Rating	20	65A	65B	67
Section				
Material	none	Inject with Heat Shrink tube	Inject with Silicone tube	Inject with Silicone tube

The 65A, 65B and 67 will lead to a 5% brightness/efficiency drop.

Main Features

- Spots free without cover, ideal for linear and indirect lighting.
- 180° beam angle, more wider distribution compared to 120° in SMD.
- 12/24Vdc both available for human safety.
- Up to 528 chips in single meter PCB, one chip fail do not affect other chips.

Accessory | Aluminum Profile



HH-P001-R

HH-P002-RL

HH-P004-R

COB Series | 15W/M

528LED/M



CRI Option

- 80+
- 90+

PCB Thickness

- 2oz
- 3oz

PCB Color

- White
- Black
- Golden

Color Option

- 2200K
- 2700K
- 3000K
- 4000K
- 5000K
- 6500K
- 10000K
- Red
- Green
- Blue

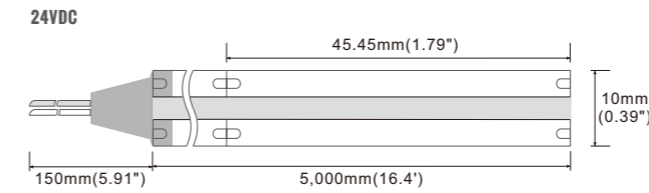
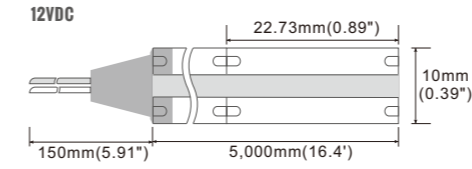
Technical Data

Voltage	Code	Color	Watts	Lumen	Efficiency	Pitch	Width
12VDC @ Ra80+	COB5281-22	2200K	15	1200	80	22.73mm	10mm
	COB5281-27	2700K	15	1350	95		10mm
	COB5281-30	3000K	15	1500	100		10mm
	COB5281-40	4000K	15	1575	105		10mm
	COB5281-50	5000K	15	1650	110		10mm
	COB5281-65	6500K	15	1650	110		10mm
24VDC @ Ra80+	COB5282-22	2200K	15	1200	80	45.45mm	10mm
	COB5282-27	2700K	15	1350	95		10mm
	COB5282-30	3000K	15	1500	100		10mm
	COB5282-40	4000K	15	1575	105		10mm
	COB5282-50	5000K	15	1650	110		10mm
	COB5282-65	6500K	15	1650	110		10mm
12VDC @ Ra90+	COB5281-22	2200K	15	975	65	22.73mm	10mm
	COB5281-27	2700K	15	1200	80		10mm
	COB5281-30	3000K	15	1275	85		10mm
	COB5281-40	4000K	15	1425	95		10mm
	COB5281-50	5000K	15	1500	100		10mm
	COB5281-65	6500K	15	1500	100		10mm
24VDC @ Ra90+	COB5282-22	2200K	15	975	65	45.45mm	10mm
	COB5282-27	2700K	15	1200	80		10mm
	COB5282-30	3000K	15	1275	85		10mm
	COB5282-40	4000K	15	1425	95		10mm
	COB5282-50	5000K	15	1500	100		10mm
	COB5282-65	6500K	15	1500	100		10mm

The above measurements are based on IP20.

The above measurements can have a 10% tolerance.

Dimensions



Available Waterproof Ways

IP Rating	20	65A	65B	67
Section				
Material	none	Inject with Heat Shrink tube	Inject with Silicone tube	Inject with Silicone tube

The 65A, 65B and 67 will lead to a 5% brightness/efficiency drop.

Main Features

- Spots free without cover, ideal for linear and indirect lighting.
- 180° beam angle, more wider distribution compared to 120° in SMD.
- 12/24Vdc both available for human safety.
- Up to 528 chips in single meter PCB, one chip fail do not affect other chips.

Accessory | Aluminum Profile



COB Series | IC Version

528LED/M



CRI Option

- 80+
- 90+

PCB Thickness

- 2oz
- 3oz

PCB Color

- White
- Black
- Golden

Color Option

- 2200K
- 2700K
- 3000K
- 4000K
- 5000K
- 6500K
- 10000K
- Red
- Green
- Blue

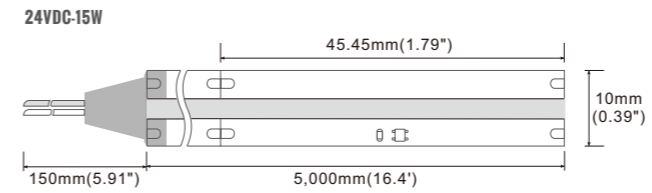
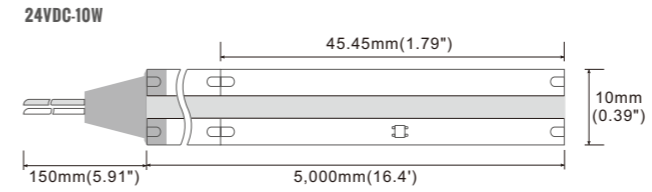
Technical Data

Voltage	Code	Color	Watts	Lumen	Efficiency	Pitch	Width
10W @ Ra80+	COB5282-22	2200K	10	800	80	45.45mm	10mm
	COB5282-27	2700K	10	950	95		10mm
	COB5282-30	3000K	10	1000	100		10mm
	COB5282-40	4000K	10	1050	105		10mm
	COB5282-50	5000K	10	1100	110		10mm
	COB5282-65	6500K	10	1100	110		10mm
10W @ Ra90+	COB5282-22	2200K	10	650	65	45.45mm	10mm
	COB5282-27	2700K	10	680	80		10mm
	COB5282-30	3000K	10	850	85		10mm
	COB5282-40	4000K	10	950	95		10mm
	COB5282-50	5000K	10	1000	100		10mm
	COB5282-65	6500K	10	1000	100		10mm
15W @ Ra80+	COB5282-22	2200K	15	1200	80	45.45mm	10mm
	COB5282-27	2700K	15	1350	95		10mm
	COB5282-30	3000K	15	1500	100		10mm
	COB5282-40	4000K	15	1575	105		10mm
	COB5282-50	5000K	15	1650	110		10mm
	COB5282-65	6500K	15	1650	110		10mm
15W @ Ra90+	COB5282-22	2200K	15	975	65	45.45mm	10mm
	COB5282-27	2700K	15	1200	80		10mm
	COB5282-30	3000K	15	1275	85		10mm
	COB5282-40	4000K	15	1425	95		10mm
	COB5282-50	5000K	15	1500	100		10mm
	COB5282-65	6500K	15	1500	100		10mm

The above measurements are based on IP20.

The above measurements can have a 10% tolerance.

Dimensions



Available Waterproof Ways

IP Rating	20	65A	65B	67
Section				
Material	none	Inject with Heat Shrink tube	Inject with Silicone tube	Inject with Silicone tube

The 65A, 65B and 67 will lead to a 5% brightness/efficiency drop.

Main Features

- IC trigger, to avoid the voltage drop compared to normal constant voltage version.
- Extra space for resistors in PCB, with the extra resistors, the watts will be available in 15W/M also.
- Spots free without cover, ideal for linear lighting and indirect lighting.
- Up to 528 chips in single meter PCB, one chip fail do not affect other chips.

Accessory | Aluminum Profile



HH-P001-R

HH-P002-RL

HH-P004-R