

COB Light Engine (Chip On Board) Series

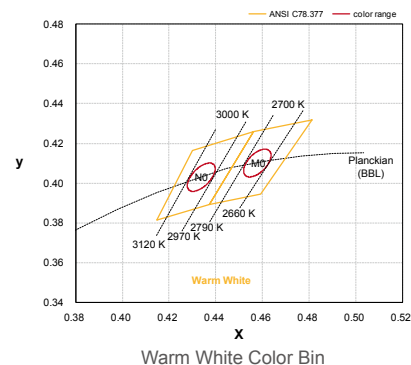
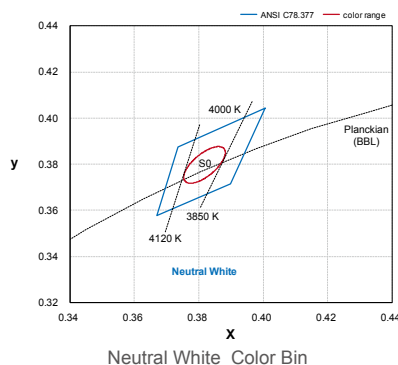
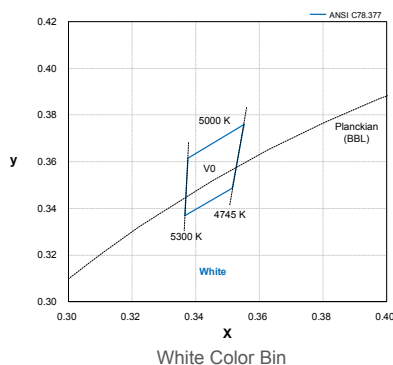
COB light engine series is a compact high flux density light source that delivers high efficacy, which ranges from 5W~200W. COBs is a single light source featuring aluminum PCB, which are designed for large, open area lighting, including street, wide area, high/low bay, and commercial lighting

Main Applications

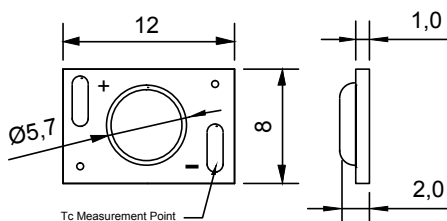
- MR 16
- Candle lighting
- Track lighting

Features

- 100% Dimension compatible
- Various ranges of watts: 5 watts
- 3 steps color bin for neutral and warm white
- High CRI option for 80 and 95 available for warm white color



5 Watt COB Light Engine



NEW

COB Light Engine (Chip On Board) Series (size: 8 × 12 mm)

Part No.	Color	Power Description	CRI Typ.	Lumens Flux		Test Current	V _F (V)	CCT
				Min.	Typ.		Typ.	
PDSA-5FWL-N35N	 White	5W	72	480	540	500 mA	9	5300~6020K
PDSA-5FNL-B35N	 Neutral White		82	410	460		9	3850~4120K
PDSA-5FVL-B35N	 Warm White		80	400	440		9	2660~2790K 2970~3120K
PDSA-5FVL-D35N			95	280	320		9	2660~2790K 2970~3120K

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Main Applications

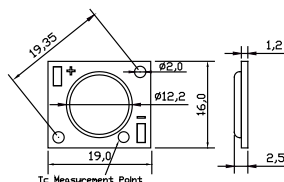
- Spot lights
- Commercial lighting
- Outdoor lighting

Features

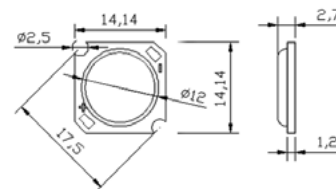
- 100% Dimension compatible
- Various ranges of watts: 10/12/17/24 Watt
- 3 steps color bin for neutral and warm white
- High CRI option for 80 and 95 available for warm white color



10/12/17/24 Watt
COB Light Engine



12 Watt COB Light Engine



COB Light Engine (Chip On Board) Series (size: 16 × 19 mm)

Part No.	Color	Power Description	CRI Typ.	Lumens Flux		Test Current	V _F (V)	CCT
				Min.	Typ.		Typ.	
PA96-10FWL-N00N	 White	10W	72	950	1050	350 mA	28.5	4745~5300K
PA96-10FNL-B00N	 Neutral White		82	850	950		28.5	3850~4120K
PA96-10FVL-B00N	 Warm White		80	800	900		28.5	2660~2790K 2970~3120K
PA96-10FVL-D00N			95	550	500		28.5	2660~2790K 2970~3120K
PAB5-12FWL-N00N	 White	12W	72	1400	1550	350 mA	35.5	4745~5300K
PAB5-12FNL-B00N	 Neutral White		82	1200	1350		35.5	3850~4120K
PAB5-12FVL-B00N	 Warm White		80	1150	1300		35.5	2660~2790K 2970~3120K
PAB5-12FVL-D00N			95	850	950		35.5	2660~2790K 2970~3120K
PAB7-17FWL-N00N	 White	17W	72	1850	2050	500 mA	35.5	4745~5300K
PAB7-17FNL-B00N	 Neutral White		82	1650	1800		35.5	3850~4120K
PAB7-17FVL-B00N	 Warm White		80	1550	1700		35.5	2660~2790K 2970~3120K
PAB7-17FVL-D00N			95	1150	1250		35.5	2660~2790K 2970~3120K
PABA-24FWL-N00N	 White	24W	72	2550	2800	700 mA	35.5	4745~5300K
PABA-24FNL-B00N	 Neutral White		82	2100	2350		35.5	3850~4120K
PABA-24FVL-B00N	 Warm White		80	2100	2300		35.5	2660~2790K 2970~3120K
PABA-24FVL-D00N			95	1550	1700		35.5	2660~2790K 2970~3120K

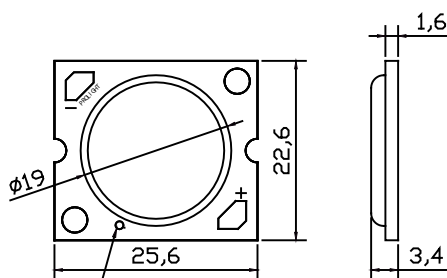
COB Light Engine (Chip On Board) Series (size: 14.14 × 14.14 mm)

Part No.	Color	Power Description	CRI Typ.	Lumens Flux		Test Current	V _F (V)	CCT
				Min.	Typ.		Typ.	
PAPB-12FWL-NB6N	 White	12W	72	1150	1300	350 mA	35.5	4745~5300K
PAPB-12FNL-BB6N	 Neutral White		82	1000	1100		35.5	3850~4120K
PAPB-12FVL-BB6N	 Warm White		80	1000	1100		35.5	2660~2790K 2970~3120K
PAPB-12FVL-DB6N			95	650	750		35.5	2660~2790K 2970~3120K

COB Light Engine (Chip On Board) Series - Bridgelux Compatible



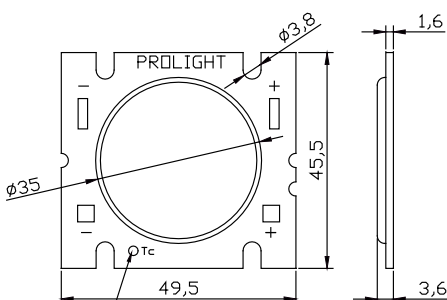
15/22/35/50 Watt
COB Light Engine



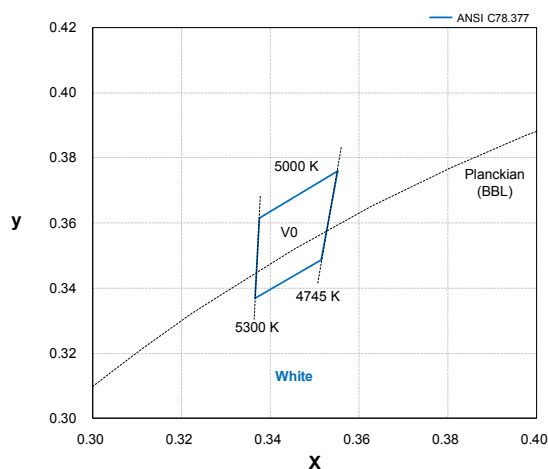
Tc Measurement Point



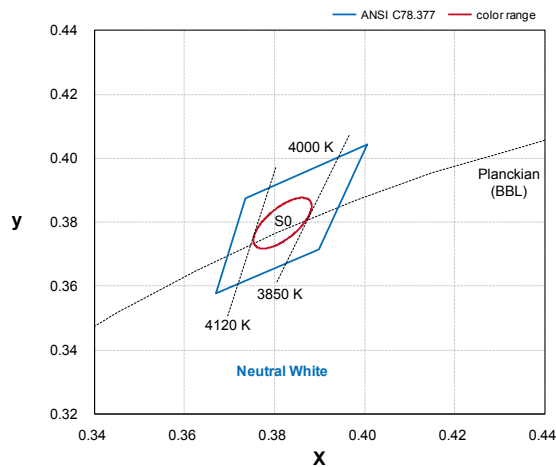
65/100/200 Watt
COB Light Engine



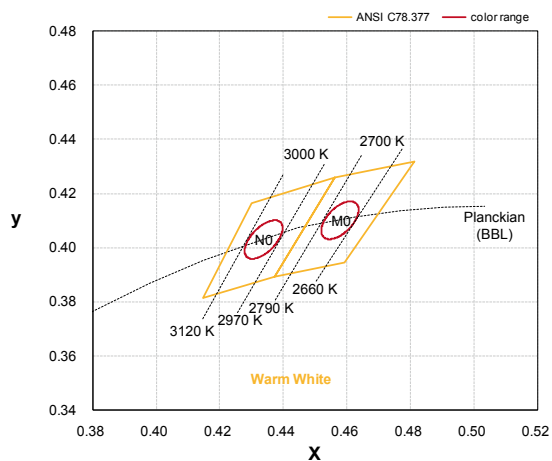
Tc Measurement Point



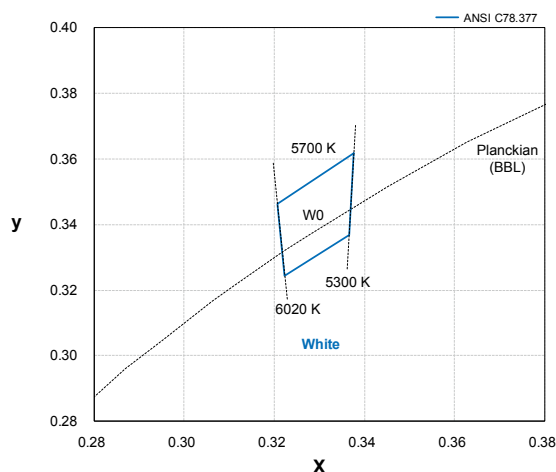
10/12/15/17/22/24/35 White Color Bin



Neutral White Color Bin



Warm White Color Bin



50/65/100/200 White Color Bin

COB Light Engine (Chip On Board) Series (size: 22.6 × 25.6 mm)

Part No.	Color	Power Description	CRI Typ.	Lumens Flux		Test Current	V _F (V)	CCT
				Min.	Typ.		Typ.	
PA7A-15FWL-N00N	 White	15W	72	1700	1900	700mA	22.5	4745~5300K
PA7A-15FNL-B00N	 Neutral White		82	1450	1650		22.5	3850~4120K
PA7A-15FVL-B00N	 Warm White		80	1450	1600		22.5	2660~2790K 2970~3120K
PA7A-15FVL-D00N			95	900	1000		22.5	2660~2790K 2970~3120K
PAAA-22FWL-N00N	 White	22W	72	2500	2800	700mA	32	4745~5300K
PAAA-22FNL-B00N	 Neutral White		82	2200	2450		32	3850~4120K
PAAA-22FVL-B00N	 Warm White		80	2100	2350		32	2660~2790K 2970~3120K
PAAA-22FVL-D00N			95	1300	1450		32	2660~2790K 2970~3120K
PABE-35FWL-N00N	 White	35W	72	4050	4500	1000 mA	35.5	4745~5300K
PABE-35FNL-B00N	 Neutral White		82	3550	3900		35.5	3850~4120K
PABE-35FVL-B00N	 Warm White		80	3400	3750		35.5	2660~2790K 2970~3120K
PABE-35FVL-D00N			95	2450	2750		35.5	2660~2790K 2970~3120K
PAB4-50FWL-N00N	 White	50W	72	5400	6000	1400 mA	35.5	5300~6020K
PAB4-50FNL-B00N	 Neutral White		82	4700	5200		35.5	3850~4120K
PAB4-50FVL-B00N	 Warm White		80	4450	4950		35.5	2660~2790K 2970~3120K
PAB4-50FVL-D00N			95	3250	3600		35.5	2660~2790K 2970~3120K

COB Light Engine (Chip On Board) Series (size: 45.5 × 49.5 mm)

Part No.	Color	Power Description	CRI Typ.	Lumens Flux		Test Current	V _F (V)	CCT
				Min.	Typ.		Typ.	
PA88-65FWL-N00N	 White	65W	72	6900	7600	2600 mA	24.5	5300~6020K
PA88-65FNL-B00N	 Neutral White		82	6100	6700		24.5	3850~4120K
PA88-65FVL-B00N	 Warm White		80	5600	6200		24.5	2660~2790K 2970~3120K
PA88-65FVL-D00N			95	4200	4600		24.5	2660~2790K 2970~3120K
PAAA-100FWL-N00N	 White	100W	72	10100	11200	3100 mA	30.5	5300~6020K
PAAA-100FNL-B00N	 Neutral White		82	8800	9700		30.5	3850~4120K
PAAA-100FVL-B00N	 Warm White		80	8300	9200		30.5	2660~2790K 2970~3120K
PAAA-100FVL-D00N			95	6100	6800		30.5	2660~2790K 2970~3120K
PADD-200FWL-N00N	 White	200W	72	18000	20000	4500 mA	40.5	5300~6020K
PADD-200FNL-B00N	 Neutral White		82	15500	17300		40.5	3850~4120K
PADD-200FVL-B00N	 Warm White		80	14800	16400		40.5	2660~2790K 2970~3120K
PADD-200FVL-D00N			95	10800	12000		40.5	2660~2790K 2970~3120K