

WICOP used in Shop Light Fixtures



A-Company chose WICOP Y15 with different CIE in manufacturing their shop light fixtures. The best lm/\$, availability to be implemented with warm and cool white of Y15 allowing to adjust CIE, high lumen density and its efficacy level on system higher than standard COBs let the customer to choose WICOP Y15.

Company: A-Company
Industry: Lighting
Region: East Europe

❖ Shop Light Fixtures



❖ Application Spec.

Power (W)	Flux (lm)	Efficacy (LPW)	CRI (Ra)	CCT (K)
40	4,400	110	80	3,000 & 6,500

❖ WICOP Y15

Part No.	V _F (V)	I _F (mA)	CCT (K)	CRI (Ra)	Flux (lm)
SZ8-Y15-W0-C8	Max4.7	350	5,000	Min.80	146
SZ8-Y15-WN-C8	Max4.7	350	4,000	Min.80	140

Challenges

- The customer wants the best lm/\$ product.
- Two different CIE in one PCB was a challenge.

Solutions

- The customer was convinced with small form factor to enable high lumen density.
- Good thermal reaction and compatible with COB solution were also attractive points to the customer.

Benefits & Results

- The customer achieved a successful product alternative to COB with adjustable CCT.
- The customer was satisfied with high lumen density, color uniformity, smaller heat sink and good thermal behavior of WICOP.