



**POLAM-ELTA Sp. z o.o.**

LED DIODES  
LED CONTROL LAMPS  
www.polamelta.com

Jana Kazimierza 35/37 street  
01-248 Warsaw, POLAND  
phone: (+48) 22-837-22-07  
fax (+48) 22-207-24-28  
e-mail: polamelta@polamelta.com.pl

### FLAT FRONT DIODES $\Phi$ 10 (CQL-6XX)

Nr	Type	Wave length	Lens colour	Luminosity [mcd] min - max	Angle of luminosity [degrees]	UF [V]	IF [mA] feed current
1.	CQL-631 (O)	610	Diffusive orange		100	1,9-2,00	20
2.	CQL-633 ( R )	635	Difussive red		100	1,8-1,9	20
3.	CQL-634 (B)	470	Difussive blue		100	3,00-3,3	20
4.	CQL-635 (Y)	590	Diffusive yellow		100	2,00-2,1	20
5.	CQL-636 (G)	525-530	Diffusive green		100	3,00-3,3	20
6.	CQL-6100 (W)	X	Diffusive white		100	3,00-3,3	20
7.	CQL-617/WA (RG)	635	Diffusive white		100	2,00-2,1	20
		525-530				3,00-3,3	
8.	CQL-617/WK (RG)	635	Diffusive white		100	1,8-1,9	20
		525-530				3,00-3,3	
9.	CQL-618/WA (RY)	635	Diffusive white		100	2,00-2,1	20
		590				2,00-2,1	
10.	CQL-618/WK (RY)	635	Diffusive white		100	1,8-1,9	20
		590				2,00-2,1	
11.	CQL-619/WA (GY)	525-530	Diffusive white		100	3,00-3,3	20
		590				2,00-2,1	
12.	CQL-619/WK (GY)	525-530	Diffusive white		100	3,00-3,3	20
		590				2,00-2,1	
13.	CQL-610/WA (RGY)	635	Diffusive white		100	2,00-2,1	20
		525-530				3,00-3,3	
		590				2,00-2,1	
14.	CQL-610/WK (RGY)	635	Diffusive white		100	1,8-1,9	20
		525-530				3,00-3,3	
		590				2,00-2,1	
15.	CQL-610/WA (RGB)	635	Diffusive white		100	2,00-2,1	20
		525-530				3,00-3,3	
		470				3,00-3,3	
16.	CQL-610/WK (RGB)	635	Diffusive white		100	1,8-1,9	20
		525-530				3,00-3,3	
		470				3,00-3,3	

**NB: There is a possibility to produce two- and three-colour diodes in all possible colour combinations of emitting light:**

red  $\lambda$  = 630-635 nm

green  $\lambda$  = 525-530 nm

yellow  $\lambda$  = 590 nm

orange  $\lambda$  = 610 nm

blue  $\lambda$  = 470 nm

and **COMMON ANODE** or **COMMON CATHODE** versions