



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

LED DIODES  
LED CONTROL LAMPS  
www.polamelta.com

Jerozolimskie Avenue 202  
02-486 Warsaw, POLAND  
phone: (+48) 22-837-22-07  
fax (+48) 22-207-24-28  
e-mail: polamelta@polamelta.com.pl

## DIODES $\Phi$ 5 (CQL-0XXH)

Nr	Type	Wave length	Lens colour	Luminosity [mcd] min - max	Angle of luminosity [degrees]	UF [V]	IF [mA] feed current
1.	CQL-036H (G)	525-530	Difussive green	2500-3000	60	3,00-3,3	20
2.	CQL-026H (G)	525-530	Clear green	11000-13000	30	3,00-3,3	20
3.	CQL-035H (Y)	590	Difussive yellow	400-600	60	2,00-2,1	20
4.	CQL-035H S1 (Y)	590	Difussive yellow	2000-2500	60	2,00-2,1	20
5.	CQL-035H S2 (Y)	590	Difussive yellow	3000-3500	60	2,00-2,1	20
6.	CQL-025H (Y)	590	Clear yellow	4000-5000	30	2,00-2,1	20
7.	CQL-025H S1 (Y)	590	Clear yellow	6000-7000	30	2,00-2,1	20
8.	CQL-025H S2 (Y)	590	Clear yellow	7000-8000	30	2,00-2,1	20
9.	CQL-033H (R)	635	Difussive red	400-600	60	1,8-1,9	20
10.	CQL-033H S1 (R)	635	Difussive red	1400-1600	60	2,1-2,2	20
11.	CQL-033H S2 (R)	635	Difussive red	3000-3500	60	2,1-2,2	20
12.	CQL-023H (R)	635	Clear red	2500-3000	30	1,8-1,9	20
13.	CQL-023H S1 (R)	635	Clear red	4000-5000	30	1,9-2,00	20
14.	CQL-023H S2 (R)	635	Clear red	9000-11000	30	1,9-2,00	20
15.	CQL-031H (O)	610	Difussive orange	1300-1500	60	1,9-2,00	20
16.	CQL-021H (O)	610	Clear orange		30	1,9-2,00	20
17.	CQL-034H (B)	470	Difussive blue	1000-1500	60	3,00-3,3	20
18.	CQL-024H (B)	470	Clear blue		30	3,00-3,3	20
19.	CQL-017H/WA (RG)	635 525-530	Difussive white	400-600 2500-3000	60	2,00-2,1 3,00-3,3	20
20.	CQL-017H/WK (RG)	635 525-530	Difussive white	400-600 2500-3000	60	1,8-1,9 3,00-3,3	20
21.	CQL-018H/WA (RY)	635 590	Difussive white	400-600 400-600	60	2,00-2,1 2,00-2,1	20
22.	CQL-018H/WK (RY)	635 590	Difussive white	400-600 400-600	60	1,8-1,9 2,00-2,1	20
23.	CQL-019H/WA (GY)	525-530 590	Difussive white	2500-3000 400-600	60	3,00-3,3 2,00-2,1	20
24.	CQL-019H/WK (GY)	525-530 590	Difussive white	2500-3000 400-600	60	3,00-3,3 2,00-2,1	20
25.	CQL-010H/WA (RGY)	635 525-530 590	Difussive white	400-600 2500-3000 400-600	60	2,00-2,1 3,00-3,3 2,00-2,1	20
26.	CQL-010H/WK (RGY)	635 525-530 590	Difussive white	400-600 2500-3000 400-600	60	1,8-1,9 3,00-3,3 2,00-2,1	20
27.	CQL-010H/WA (RGB)	635 525-530 470	Difussive white	400-600 2500-3000 1000-1500	60	2,00-2,1 3,00-3,3 3,00-3,3	20
28.	CQL-010H/WK (RGB)	635 525-530 470	Difussive white	400-600 2500-3000 1000-1500	60	1,8-1,9 3,00-3,3 3,00-3,3	20

**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