

LED LAMP

RECTANGULAR TYPE

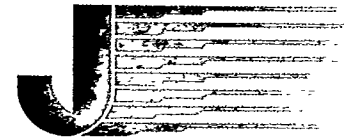


RECTANGULAR TYPE	LENS COLOR				EMITTING COLOR	LUMINOUS INTENSITY IN MCD @10MA			
	Color Diffused (TYP 1)	Color Transparent (TYP 2)	White Diffused (TYP 3)	Water Clear (TYP 4)		TYP			
						1	2	3	4
<p>5x5m/m As sample in P25-13</p>	R1110 R2110 R3110 R3110P R4110 R5110 R7110		R1310 R2310 R3310 R3310P R4310 R5310 R7310		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.6 1.2 1.4 1.2 2.0 1.2 1.6		0.6 1.2 1.4 1.2 2.0 1.2 1.6	
<p>5x5m/m As sample in P25-14</p>	R1110A R2110A R3110A R3110AP R4110A R5110A R7110A		R1310A R2310A R3310A R3310AP R4310A R5310A R7310A		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.7 1.3 1.5 1.3 2.1 1.3 1.6		0.7 1.3 1.5 1.3 2.1 1.3 1.6	
<p>5x5m/m As sample in P25-13</p>	R1130 R2130 R3130 R3130P R4130 R5130 R7130		R1330 R2330 R3330 R3330P R4330 R5330 R7330		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.7 1.6 2.1 1.6 2.7 1.6 2.4		0.7 1.6 2.1 1.6 2.7 1.6 2.4	
<p>5x5m/m As sample in P25-14</p>	R1130A R2130A R3130A R3130AP R4130A R5130A R7130A		R1330A R2330A R3330A R3330AP R4330A R5330A R7330A		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.7 1.6 2.1 1.6 2.7 1.6 2.4		0.7 1.6 2.1 1.6 2.7 1.6 2.4	
<p>2.5x5m/m As sample in P25-15</p>	R1111 R2111 R3111 R3111P R4111 R5111 R7111		R1311 R2311 R3311 R3311P R4311 R5311 R7311		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.8 1.7 2.2 1.7 2.8 1.7 2.5		0.8 1.7 2.2 1.7 2.8 1.7 2.5	
<p>2.5x5m/m As sample in P25-15</p>	R1131 R2131 R3131 R3131P R4131 R5131 R7131		R1331 R2331 R3331 R3331P R4331 R5331 R7331		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	1.0 2.0 2.4 2.0 2.6 2.0 2.4		1.0 2.0 2.4 2.0 2.6 2.0 2.4	
<p>2.5x5m/m As sample in P25-16</p>	R1121b R2121b R3121b R3121bP R4121b R5121b R7121b		R1321b R2321b R3321b R3321bP R4321b R5321b R7321b		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.8 1.7 2.2 1.7 2.8 1.7 2.5		0.8 1.7 2.2 1.7 2.8 1.7 2.5	
<p>2x5m/m As sample in P25-17</p>	R1112 R2112 R3112 R3112P R4112 R5112 R7112		R1312 R2312 R3312 R3312P R4312 R5312 R7312		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.8 1.7 2.2 1.7 2.8 1.7 2.5		0.8 1.7 2.2 1.7 2.8 1.7 2.5	

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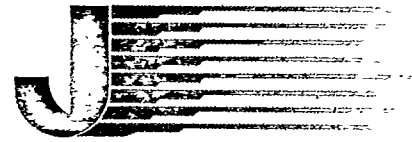


RECTANGULAR TYPE	LENS COLOR				EMITTING COLOR	LUMINOUS INTENSITY IN MCD @10MA			
	Color Diffused (TYP 1)	Color Transparent (TYP 2)	White Diffused (TYP 3)	Water Clear (TYP 4)		TYP			
						1	2	3	4
<p>As sample in P25-18</p>	R1112N R2112N R3112N R3112NP R4112N R5112N R7112N		R1312N R2312N R3312N R3312NP R4312N R5312N R7312N		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.8 1.7 2.2 1.7 2.8 1.7 2.5		0.8 1.7 2.2 1.7 2.8 1.7 2.5	
<p>As sample in P25-17</p>	R1122 R2122 R3122 R3122P R4122 R5122 R7122		R1322 R2322 R3322 R3322P R4322 R5322 R7322		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.8 1.7 2.2 1.7 2.8 1.7 2.5		0.8 1.7 2.2 1.7 2.8 1.7 2.5	
<p>As sample in P25-18</p>	R1122N R2122N R3122N R3122NP R4122N R5122N R7122N		R1322N R2322N R3322N R3322NP R4322N R5322N R7322N		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.8 1.7 2.2 1.7 2.8 1.7 2.5		0.8 1.7 2.2 1.7 2.8 1.7 2.5	
<p>As sample in P25-17</p>	R1132 R2132 R3132 R3132P R4132 R5132 R7132		R1332 R2332 R3332 R3332P R4332 R5332 R7332		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	1.2 2.3 2.7 2.3 3.0 2.3 2.8		1.2 2.3 2.7 2.3 3.0 2.3 2.8	
<p>As sample in P25-18</p>	R1132N R2132N R3132N R3132NP R4132N R5132N R7132N		R1332N R2332N R3332N R3332NP R4332N R5332N R7332N		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	1.2 2.3 2.7 2.3 3.0 2.3 2.8		1.2 2.3 2.7 2.3 3.0 2.3 2.8	
<p>As sample in P25-19</p>	R1113 R2113 R3113 R3113P R4113 R5113 R7113		R1313 R2313 R3313 R3313P R4313 R5313 R7313		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.6 1.2 1.4 1.2 2.0 1.2 1.6		0.6 1.2 1.4 1.2 2.0 1.2 1.6	
<p>As sample in P25-19</p>	R1133 R2133 R3133 R3133P R4133 R5133 R7133		R1333 R2333 R3333 R3333P R4333 R5333 R7333		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.7 1.6 2.1 1.6 2.7 1.6 2.4		0.7 1.6 2.1 1.6 2.7 1.6 2.4	
<p>As sample in P25-20</p>	R1124 R2124 R3124 R3124P R4124 R5124 R7124		R1324 R2324 R3324 R3324P R4324 R5324 R7324		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	0.8 1.7 2.2 1.7 2.8 1.7 2.5		0.8 1.7 2.2 1.7 2.8 1.7 2.5	

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RECTANGULAR TYPE	LENS COLOR				EMITTING COLOR	LUMINOUS INTENSITY IN MCD @10MA			
	Color Diffused (TYP 1)	Color Transparent (TYP 2)	White Diffused (TYP 3)	Water Clear (TYP 4)		TYP			
						1	2	3	4
<p>As sample in P25-20</p>	R1134		R1334		Red GaAsP	1.2		1.2	
	R2134		R2334		Yellow	2.3		2.3	
	R3134		R3334		Green	2.7		2.7	
	R3134P		R3334P		Pure Green	2.3		2.3	
	R4134		R4334		Orange	3.0		3.0	
	R5134		R5334		Red GaP	2.3		2.3	
	R7134		R7334		Low Current Red	2.8		2.8	
	<p>As sample in P25-21</p>	R1115A		R1315A		Red GaAsP	0.7		0.7
R2115A			R2315A		Yellow	1.3		1.3	
R3115A			R3315A		Green	1.5		1.5	
R3115AP			R3315AP		Pure Green	1.3		1.3	
R4115A			R4315A		Orange	2.1		2.1	
R5115A			R5315A		Red GaP	1.3		1.3	
R7115A			R7315A		Low Current Red	1.6		1.6	
<p>As sample in P25-22</p>		R1125		R1325		Red GaAsP	0.7		0.7
	R2125		R2325		Yellow	1.3		1.3	
	R3125		R3325		Green	1.5		1.5	
	R3125P		R3325P		Pure Green	1.3		1.3	
	R4125		R4325		Orange	2.1		2.1	
	R5125		R5325		Red GaP	1.3		1.3	
	R7125		R7325		Low Current Red	1.6		1.6	
	<p>As sample in P25-22</p>	R1135		R1335		Red GaAsP	1.1		1.1
R2135			R2335		Yellow	2.1		2.1	
R3135			R3335		Green	2.5		2.5	
R3135P			R3335P		Pure Green	2.1		2.1	
R4135			R4335		Orange	2.6		2.6	
R5135			R5335		Red GaP	2.1		2.1	
R7135			R7335		Low Current Red	2.5		2.5	
<p>As sample in P25-22</p>		R1115		R1315		Red GaAsP	0.7		0.7
	R2115		R2315		Yellow	1.3		1.3	
	R3115		R3315		Green	1.5		1.5	
	R3115P		R3315P		Pure Green	1.3		1.3	
	R4115		R4315		Orange	2.1		2.1	
	R5115		R5315		Red GaP	1.3		1.3	
	R7115		R7315		Low Current Red	1.6		1.6	
	<p>As sample in P25-23</p>	R1116		R1316		Red GaAsP	0.6		0.6
R2116			R2316		Yellow	1.2		1.2	
R3116			R3316		Green	1.4		1.4	
R3116P			R3316P		Pure Green	1.2		1.2	
R4116			R4316		Orange	2.0		2.0	
R5116			R5316		Red GaP	1.2		1.2	
R7116			R7316		Low Current Red	1.6		1.6	
<p>As sample in P25-23</p>		R1136		R1336		Red GaAsP	0.7		0.7
	R2136		R2336		Yellow	1.6		1.6	
	R3136		R3336		Green	2.1		2.1	
	R3136P		R3336P		Pure Green	1.6		1.6	
	R4136		R4336		Orange	2.7		2.7	
	R5136		R5336		Red GaP	1.6		1.6	
	R7136		R7336		Low Current Red	2.4		2.4	
	<p>As sample in P25-24</p>	R1117		R1317		Red GaAsP	0.6		0.6
R2117			R2317		Yellow	1.2		1.2	
R3117			R3317		Green	1.4		1.4	
R3117P			R3317P		Pure Green	1.2		1.2	
R4117			R4317		Orange	2.0		2.0	
R5117			R5317		Red GaP	1.2		1.2	
R7117			R7317		Low Current Red	1.6		1.6	

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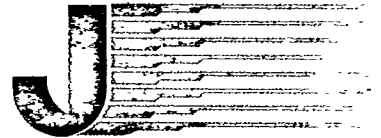


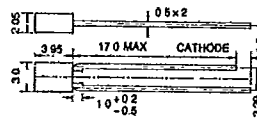
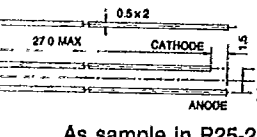
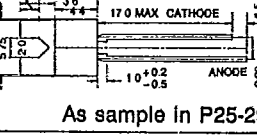
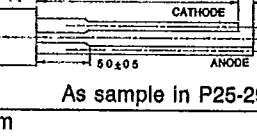
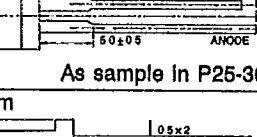
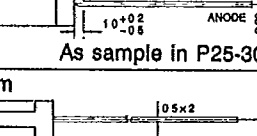
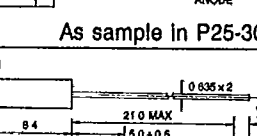
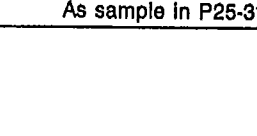
RECTANGULAR TYPE	LENS COLOR				EMITTING COLOR	LUMINOUS INTENSITY IN MCD @10MA				
	Color Diffused (TYP 1)	Color Transparent (TYP 2)	White Diffused (TYP 3)	Water Clear (TYP 4)		TYP				
						1	2	3	4	
<p>As sample in P25-24</p>	R1137		R1337		Red GaAsP	0.7		0.7		
	R2137		R2337		Yellow	1.6		1.6		
	R3137		R3337		Green	2.1		2.1		
	R3137P		R3337P		Pure Green	1.6		1.6		
	R4137		R4337		Orange	2.7		2.7		
	R5137		R5337		Red GaP	1.6		1.6		
	R7137		R7337		Low Current Red	2.4		2.4		
	<p>As sample in P25-25</p>	R1118		R1318		Red GaAsP	0.6		0.6	
		R2118		R2318		Yellow	1.2		1.2	
		R3118		R3318		Green	1.4		1.4	
R3118P			R3318P		Pure Green	1.2		1.2		
R4118			R4318		Orange	2.0		2.0		
R5118			R5318		Red GaP	1.2		1.2		
R7118			R7318		Low Current Red	1.6		1.6		
<p>As sample in P25-25</p>		R1128		R1328		Red GaAsP	0.6		0.6	
		R2128		R2328		Yellow	1.2		1.2	
		R3128		R3328		Green	1.4		1.4	
	R3128P		R3328P		Pure Green	1.2		1.2		
	R4128		R4328		Orange	2.0		2.0		
	R5128		R5328		Red GaP	1.2		1.2		
	R7128		R7328		Low Current Red	1.6		1.6		
	<p>As sample in P25-25</p>	R1138		R1338		Red GaAsP	1.1		1.1	
		R2138		R2338		Yellow	2.1		2.1	
		R3138		R3338		Green	2.5		2.5	
R3138P			R3338P		Pure Green	2.1		2.1		
R4138			R4338		Orange	2.6		2.6		
R5138			R5338		Red GaP	2.1		2.1		
R7138			R7338		Low Current Red	2.5		2.5		
<p>As sample in P25-26</p>		R1119		R1319		Red GaAsP	1.0		1.0	
		R2119		R2319		Yellow	2.0		2.0	
		R3119		R3319		Green	2.4		2.4	
	R3119P		R3319P		Pure Green	2.0		2.0		
	R4119		R4319		Orange	2.6		2.6		
	R5119		R5319		Red GaP	2.0		2.0		
	R7119		R7319		Low Current Red	2.4		2.4		
	<p>As sample in P25-26</p>	R1139		R1339		Red GaAsP	1.1		1.1	
		R2139		R2339		Yellow	2.1		2.1	
		R3139		R3339		Green	2.5		2.5	
R3139P			R3339P		Pure Green	2.1		2.1		
R4139			R4339		Orange	2.6		2.6		
R5139			R5339		Red GaP	2.1		2.1		
R7139			R7339		Low Current Red	2.5		2.5		
<p>As sample in P25-27</p>		R1122		R1322		Red GaAsP	0.8		0.8	
		R2122		R2322		Yellow	1.7		1.7	
		R3122		R3322		Green	2.2		2.2	
	R3122P		R3322P		Pure Green	1.7		1.7		
	R4122		R4322		Orange	2.8		2.8		
	R5122		R5322		Red GaP	1.7		1.7		
	R7122		R7322		Low Current Red	2.5		2.5		
	<p>As sample in P25-27</p>	R113Z		R133Z		Red GaAsP	0.9		0.9	
		R213Z		R233Z		Yellow	1.8		1.8	
		R313Z		R333Z		Green	2.2		2.2	
R313ZP			R333ZP		Pure Green	1.8		1.8		
R413Z			R433Z		Orange	2.5		2.5		
R513Z			R533Z		Red GaP	1.8		1.8		
R713Z			R733Z		Low Current Red	2.1		2.1		

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	Color Diffused (TYP 1)	Color Transparent (TYP 2)	White Diffused (TYP 3)	Water Clear (TYP 4)		TYP			
						1	2	3	4
 <p>As sample in P25-28</p>	R112Y	R122Y	R132Y	R142Y	Red GaAsP	1.6	4.0	1.6	4.0
	R212Y	R222Y	R232Y	R242Y	Yellow	3.0	7.8	3.0	7.8
	R312Y	R322Y	R332Y	R342Y	Green	3.6	9.3	3.6	9.3
	R312YP	R322YP	R332YP	R342YP	Pure Green	3.0	7.8	3.0	7.8
	R412Y	R422Y	R432Y	R442Y	Orange	3.8	9.8	3.8	9.8
	R512Y	R522Y	R532Y	R542Y	Red GaP	3.0	7.8	3.0	7.8
	R712Y	R722Y	R732Y	R742Y	Low Current Red	3.6	9.7	3.6	9.7
	 <p>As sample in P25-28</p>	R113Y	R123Y	R133Y	R143Y	Red GaAsP	1.9	4.5	1.9
R213Y		R223Y	R233Y	R243Y	Yellow	3.6	8.5	3.6	8.5
R313Y		R323Y	R333Y	R343Y	Green	4.4	10.2	4.4	10.2
R313YP		R323YP	R333YP	R343YP	Pure Green	3.6	8.5	3.6	8.5
R413Y		R423Y	R433Y	R443Y	Orange	4.6	10.2	4.6	10.2
R513Y		R523Y	R533Y	R543Y	Red GaP	3.6	8.5	3.6	8.5
R713Y		R723Y	R733Y	R743Y	Low Current Red	4.3	10	4.3	10
 <p>As sample in P25-29</p>		R112X		R132X		Red GaAsP	0.7		0.7
	R212X		R232X		Yellow	1.3		1.3	
	R312X		R332X		Green	1.5		1.5	
	R312XP		R332XP		Pure Green	1.3		1.3	
	R412X		R432X		Orange	2.1		2.1	
	R512X		R532X		Red GaP	1.3		1.3	
	R712X		R732X		Low Current Red	1.6		1.6	
	 <p>As sample in P25-29</p>	R111X		R131X		Red GaAsP	0.7		0.7
R211X			R231X		Yellow	1.3		1.3	
R311X			R331X		Green	1.5		1.5	
R311XP			R331XP		Pure Green	1.3		1.3	
R411X			R431X		Orange	2.1		2.1	
R511X			R531X		Red GaP	1.3		1.3	
R711X			R731X		Low Current Red	1.6		1.6	
 <p>As sample in P25-30</p>		R111W		R131W		Red GaAsP	0.7		0.7
	R211W		R231W		Yellow	1.3		1.3	
	R311W		R331W		Green	1.5		1.5	
	R311WP		R331WP		Pure Green	1.3		1.3	
	R411W		R431W		Orange	2.1		2.1	
	R511W		R531W		Red GaP	1.3		1.3	
	R711W		R731W		Low Current Red	1.6		1.6	
	 <p>As sample in P25-30</p>	R112W		R132W		Red GaAsP	0.7		0.7
R212W			R232W		Yellow	1.3		1.3	
R312W			R332W		Green	1.5		1.5	
R312WP			R332WP		Pure Green	1.3		1.3	
R412W			R432W		Orange	2.1		2.1	
R512W			R532W		Red GaP	1.3		1.3	
R712W			R732W		Low Current Red	1.6		1.6	
 <p>As sample in P25-30</p>		R113W		R133W		Red GaAsP	0.7		0.7
	R213W		R233W		Yellow	1.6		1.6	
	R313W		R333W		Green	2.1		2.1	
	R313WP		R333WP		Pure Green	1.6		1.6	
	R413W		R433W		Orange	2.7		2.7	
	R513W		R533W		Red GaP	1.6		1.6	
	R713W		R733W		Low Current Red	2.4		2.4	
	 <p>As sample in P25-31</p>	R111V		R131V		Red GaAsP	0.6		0.6
R211V			R231V		Yellow	1.2		1.2	
R311V			R331V		Green	1.4		1.4	
R311VP			R331VP		Pure Green	1.2		1.2	
R411V			R431V		Orange	2.0		2.0	
R511V			R531V		Red GaP	1.2		1.2	
R711V			R731V		Low Current Red	1.6		1.6	

All Dimensions are in millimeters.
Tolerance is ±0.2mm

LED LAMP

RECTANGULAR TYPE

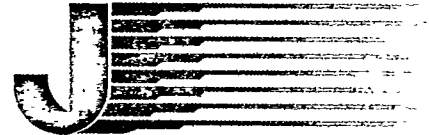


RECTANGULAR TYPE	LENS COLOR				EMITTING COLOR	LUMINOUS INTENSITY IN MCD @10MA			
	Color Diffused (TYP 1)	Color Transparent (TYP 2)	White Diffused (TYP 3)	Water Clear (TYP 4)		TYP			
						1	2	3	4
<p>As sample in P25-31</p>	R112V		R132V		Red GaAsP	0.6		0.6	
	R212V		R232V		Yellow	1.2		1.2	
	R312V		R332V		Green	1.4		1.4	
	R312VP		R332VP		Pure Green	1.2		1.2	
	R412V		R432V		Orange	2.0		2.0	
	R512V		R532V		Red GaP	1.2		1.2	
	R712V		R732V		Low Current Red	1.6		1.6	
	<p>As sample in P25-31</p>	R113V		R133V		Red GaAsP	1.0		1.0
R213V			R233V		Yellow	2.0		2.0	
R313V			R333V		Green	2.4		2.4	
R313VP			R333VP		Pure Green	2.0		2.0	
R413V			R433V		Orange	2.6		2.6	
R513V			R533V		Red GaP	2.0		2.0	
R713V			R733V		Low Current Red	2.4		2.4	
<p>As sample in P25-32</p>		R112T		R132T		Red GaAsP	0.8		0.8
	R212T		R232T		Yellow	1.7		1.7	
	R312T		R332T		Green	2.2		2.2	
	R312TP		R332TP		Pure Green	1.7		1.7	
	R412T		R432T		Orange	2.8		2.8	
	R512T		R532T		Red GaP	1.7		1.7	
	R712T		R732T		Low Current Red	2.5		2.5	
	<p>As sample in P25-32</p>	R113T		R133T		Red GaAsP	1.2		1.2
R213T			R233T		Yellow	2.3		2.3	
R313T			R333T		Green	2.7		2.7	
R313TP			R333TP		Pure Green	2.3		2.3	
R413T			R433T		Orange	3.0		3.0	
R513T			R533T		Red GaP	2.3		2.3	
R713T			R733T		Low Current Red	2.8		2.8	
<p>As sample in P25-33</p>		R112M		R132M		Red GaAsP	0.8		0.8
	R212M		R232M		Yellow	1.7		1.7	
	R312M		R332M		Green	2.2		2.2	
	R312MP		R332MP		Pure Green	1.7		1.7	
	R412M		R432M		Orange	2.8		2.8	
	R512M		R532M		Red GaP	1.7		1.7	
	R712M		R732M		Low Current Red	2.5		2.5	
	<p>As sample in P25-34</p>	R113L		R133L		Red GaAsP	0.7		0.7
R213L			R233L		Yellow	1.6		1.6	
R313L			R333L		Green	2.1		2.1	
R313LP			R333LP		Pure Green	1.6		1.6	
R413L			R433L		Orange	2.7		2.7	
R513L			R533L		Red GaP	1.6		1.6	
R713L			R733L		Low Current Red	2.4		2.4	
<p>As sample in P25-35</p>		R112K		R132K		Red GaAsP	0.7		0.7
	R212K		R232K		Yellow	1.3		1.3	
	R312K		R332K		Green	1.5		1.5	
	R312KP		R332KP		Pure Green	1.3		1.3	
	R412K		R432K		Orange	2.1		2.1	
	R512K		R532K		Red GaP	1.3		1.3	
	R712K		R732K		Low Current Red	1.6		1.6	
	<p>As sample in P25-36</p>	R112J		R132J		Red GaAsP	0.7		0.7
R212J			R232J		Yellow	1.3		1.3	
R312J			R332J		Green	1.5		1.5	
R312JP			R332JP		Pure Green	1.3		1.3	
R412J			R432J		Orange	2.1		2.1	
R512J			R532J		Red GaP	1.3		1.3	
R712J			R732J		Low Current Red	1.6		1.6	

All Dimensions are in millimeters.
Tolerance is ±0.2mm

LED LAMP

RECTANGULAR TYPE



RECTANGULAR TYPE	LENS COLOR				EMITTING COLOR	LUMINOUS INTENSITY IN MCD @10MA			
	Color Diffused (TYP 1)	Color Transparent (TYP 2)	White Diffused (TYP 3)	Water Clear (TYP 4)		TYP			
						1	2	3	4
<p>As sample in P25-36</p>	R113J R213J R313J R313JP R413J R513J R713J		R133J R233J R333J R333JP R433J R533J R733J		Red GaAsP Yellow Green Pure Green Orange Red GaP Low Current Red	1.1 2.1 2.5 2.1 2.6 2.1 2.5		1.1 2.1 2.5 2.1 2.6 2.1 2.5	

All Dimensions are in millimeters.
Tolerance is ±0.2mm