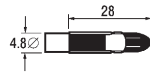


Single Chip LED Bulb Replacements — Continued

Telephone Slide, T5.5 – Sunlight Readable

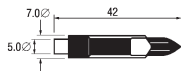


Polarity indicated by (+), Colour identified by coloured dot.

Design features and specification are identical to Midget Groove range (see above). OPT444

Colour	Mftrs. List No.	Order Code	Price Each				
			1+	10+	25+	100+	250+
12Vdc Red	209-501-21-38	744-499					
12Vdc Green	209-532-21-38	744-505					
12Vdc Yellow	209-521-21-38	744-517					
12Vdc Blue	209-930-21-38	744-529					
24Vdc Red	209-501-22-38	744-530					
24Vdc Green	209-532-22-38	744-542					
24Vdc Yellow	209-521-22-38	744-554					
24Vdc Blue	209-930-22-38	744-566					
28Vdc Red	209-501-23-38	744-578					
28Vdc Green	209-532-23-38	744-580					
28Vdc Yellow	209-521-23-38	744-591					
28Vdc Blue	209-930-23-38	744-608					

Telephone Slide, T6.8 - Sunlight Readable

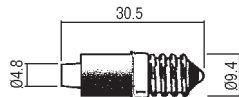


Polarity indicated by (+), Colour identified by coloured dot.

Design features and specifications are identical to Midget Groove range (see above). OPT445

Colour	Mftrs. List No.	Order Code	Price Each				
			1+	10+	25+	100+	250+
12Vdc Red	208-501-21-38	744-610					
12Vdc Green	208-532-21-38	744-621					
12Vdc Yellow	208-521-21-38	744-633					
12Vdc Blue	208-930-21-38	744-645					
24Vdc Red	208-501-22-38	744-657					
24Vdc Green	208-532-22-38	744-669					
24Vdc Yellow	208-521-22-38	744-670					
24Vdc Blue	208-930-22-38	744-682					
28Vdc Red	208-501-23-38	744-694					
28Vdc Green	208-532-23-38	744-700					
28Vdc Yellow	208-521-23-38	744-712					
28Vdc Blue	208-930-23-38	744-724					

MES T1 1/4



Centre contact anode (+). Colour identified by a dot on side of body.

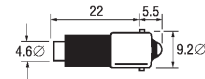
Supply Voltage	12V	24V	28V
Luminous Intensity (typ.)			
Red	3000mcd	3000mcd	3000mcd
Green	6000mcd	6000mcd	6000mcd
Yellow	2500mcd	2500mcd	2500mcd
Blue	2000mcd	2000mcd	2000mcd
Forward Current (typ.)	20mA	20mA	17mA
Wavelength (nm)	Red = 660, Green = 525, Yellow = 595, Blue = 470		
Viewing angle to half intensity	120°		
Operating temp. range	-40°C to +80°C		

Colour	Mftrs. List No.	Order Code	Price Each				
			1+	10+	25+	50+	100+
12V dc Red	211-501-21-38	138-990					
12V dc Green	211-532-21-38	139-002					
12V dc Yellow	211-521-21-38	139-014					
12V dc Blue	211-930-21-38	139-026					
24V dc Red	211-501-22-38	139-038					
24V dc Green	211-532-22-38	139-040					
24V dc Yellow	211-521-22-38	139-051					
24V dc Blue	211-930-22-38	139-063					
28V dc Red	211-501-23-38	139-075					
28V dc Green	211-532-23-38	139-087					
28V dc Yellow	211-521-23-38	139-099					
28V dc Blue	211-930-23-38	139-105					

Bayonet Cap, BA9 – Sunlight Readable



Design Features and specifications are identified to Midget Groove range (see above)

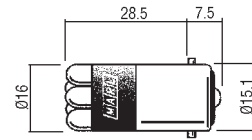


Centre contact anode (+), Colour identified by coloured band

OPT443

Colour	Mftrs. List No.	Order Code	Price Each				
			1+	10+	25+	100+	250+
12Vdc Red	215-501-21-38	744-372					
12Vdc Green	215-532-21-38	744-384					
12Vdc Yellow	215-521-21-38	744-396					
12Vdc Blue	215-930-21-38	744-402					
24Vdc Red	215-501-22-38	744-414					
24Vdc Green	215-532-22-38	744-426					
24Vdc Yellow	215-521-22-38	744-438					
24Vdc Blue	215-930-22-38	744-440					
28Vdc Red	215-501-23-38	744-451					
28Vdc Green	215-532-23-38	744-463					
28Vdc Yellow	215-521-23-38	744-475					
28Vdc Blue	215-930-23-38	744-487					

BA 15d



Centre contact anode (+). Colour identified by a dot on side of body.

This range of bulb replacement LEDs are made up of a cluster of 6, 5mm LEDs. Please note that the intensities given are for a single 5mm LED.

Supply Voltage	24V	28V
Luminous intensity/LED (typ.)		
Red	3000mcd	3000mcd
Green	6000mcd	6000mcd
Yellow	2500mcd	2500mcd
Blue	2000mcd	2000mcd
Forward Current (typ.)	25mA	17mA
Wavelength (nm)	Red = 660, Green = 525, Yellow = 595, Blue = 470	
Viewing angle to half intensity	30°	
Operating temp. range	-40°C to +80°C	

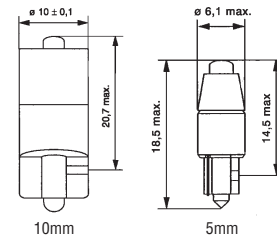
OPT565

Colour	Mftrs. List No.	Order Code	Price Each				
			1+	5+	10+	25+	50+
24V dc Red	225-501-22	138-915					
24V dc Green	225-532-22	138-927					
24V dc Yellow	225-521-22	138-939					
24V dc Blue	225-930-22	138-940					
28V dc Green	225-532-23	138-964					
28V dc Yellow	225-521-23	138-976					
28V dc Blue	225-930-23	138-988					

Wedge Base – 5mm, 10mm
6V ac/dc, 12V ac/dc, 24V ac/dc, 28V ac/dc



10mm 5mm



Supply Voltage:	6V ac/dc, 12V ac/dc, 24V ac/dc, 28V ac/dc
Operating Current:	5mm, 12mA 10mm, 14mA
Maximum reverse voltage:	80V
Operating Temperature:	-20°C to +60°C

	Typical luminous intensity (mcd) @ operating voltage	
	5mm Wedge Base	10mm Wedge Base
Red	280	330
Green	780	910
Yellow	240	280
Blue	300	350
White	600	700

OPT613