

Colour	View Angle	Lum Intensity (mcd)		I _f (mA)	PIV Max.	Outline	Mfrs. List No.	Order Code
		@ I _f = 20mA min	max					
Ultrahigh Bright - Untinted Clear Lens - InGaAlP								
Red	22°	700	2240*	50	4	2	TLRMH157P	325-5475
Red	22°	476	2300	50	4	2	TLRE157AP	325-5505
Red	22°	476	1400*	50	4	2	TLSE157P	325-5542
Red	22°	1530	7360	50	4	2	TLSH157P	623-660
Red	22°	1530	7360	50	4	2	TLSH157P(TU,F)	114-1086
Red	20°	153	450*	50	4	3	TLSU156P	325-5554
Red	20°	153	450*	50	4	3	TLSU156P(F)	114-1091
Red	15°	1400	4200*	50	4	8	TLRMH151P	325-5463
Red	8°	1530	7360	50	4	1	TLRE180AP	325-5517
Red	8°	2720	7000	50	4	1	TLRE20TP(F)	114-1082
Red	8°	1530	7360	50	4	1	TLRH180P	325-5451
Red	8°	1530	7360	50	4	1	TLRH180P(F)	114-1084
Red	8°	850	1800*	50	4	1	TLSU180P	325-5566
Red	8°	2720	12880	50	4	1	TLSH180P	623-672
Red	8°	2720	12880	50	4	1	TLSH180P(UV,F)	114-1087
Orange	22°	1530	7360	50	4	2	TLOH157P	623-696
Orange	22°	1530	7360	50	4	2	TLOH157P(TU,F)	114-1076
Orange	8°	2720	12880	50	4	1	TLOH180P	623-702
Orange	8°	2720	12880	50	4	1	TLOH180P(F)	114-1078
Yellow	30°	476	2300	50	4	3	TLYH156P	623-714
Yellow	30°	476	2300	50	4	3	TLYH156P(F)	114-1092
Yellow	22°	850	4140	50	4	2	TLYH157P	623-726
Yellow	22°	850	4140	50	4	2	TLYH157P(F)	114-1093
Yellow	20°	153	570*	50	4	3	TLYU156P	325-5580
Yellow	8°	1530	7360	50	4	1	TLYE180AP	325-5578
Yellow	8°	2720	12880	50	4	1	TLYH180P	623-738
Yellow	8°	2720	12880	50	4	1	TLYH180P(UV,F)	114-1094
Yellow	6°	850	2600*	50	4	1	TLYU180P	325-5591
Green	20°	--	1400*	50	4	5	TLGE159P	325-5608
Green	20°	--	1400*	50	4	5	TLGE159P(F)	114-1074
Green	7°	--	4500*	50	4	4	TLGE183P	325-5610
Green	7°	--	4500*	50	4	4	TLGE183P(F)	114-1075
Pure green	30°	47.6	230	50	4	6	TLPGE158P	333-0370
Pure green	30°	85	200	50	4	6	TLPGE18TP(F)	114-1079
Pure green	20°	--	400*	50	4	5	TLPGE159P	325-5621
Pure green	20°	--	400*	50	4	5	TLPGE159P(F)	114-1080
Pure green	7°	--	1200*	50	4	4	TLPGE183P	322-5288
Pure green	7°	--	1200*	50	4	4	TLPGE183P(F)	114-1081

Ultrahigh Bright - Tinted Clear Lens - InGaAlP								
Red	30°	153	300*	50	4	2	TLSU113P	325-5633
Yellow	30°	153	430*	50	4	2	TLYU113P	325-5645

Ultrahigh Bright - Tinted Diffused Lens - InGaAlP								
Red	40°	47.6	100*	50	4	2	TLSU114P	325-5657
Red	40°	47.6	100*	50	4	2	TLSU114P(F)	114-1088
Yellow	40°	47.6	140*	50	4	2	TLYU114P	325-5669

* = Typical Value
 Peak emission wavelength (typ.) TLRE=644nm, TLOE=612nm, TLYE=590nm, TLRH=644nm, TLSH=623nm, TLOH=612nm, TLYH=590nm, TLPGE=562nm, TLGE=574nm, TLPGE=562nm, TLRMH=636nm, TLSU=636nm, TLSE=623nm, TLYU=590nm

Colour	Order Code	Price Each				
		1+	50+	100+	1K+	+
High Bright						
Yellow	623-600	47.00	36.00	32.00	--	--
Ultrahigh Bright - Untinted Clear Lens - InGaAlP						
Red	325-5530	27.00	24.00	22.00	20.00	--
Red	325-5487	27.00	24.00	23.00	22.00	--
Red	325-5499	19.00	18.00	16.00	14.00	--
Red	325-5529	28.00	25.00	24.00	--	--
Red	114-1085	28.00	25.00	23.00	--	--
Red	623-623	55.00	44.00	37.00	23.00	--
Red	114-1083	55.00	44.00	37.00	22.00	--
Red	325-5475	25.00	23.00	--	--	--
Red	325-5505	27.00	24.00	22.00	17.00	--
Red	325-5542	27.00	24.00	22.00	19.00	--
Red	623-660	55.00	44.00	37.00	23.00	--
Red	114-1086	55.00	44.00	37.00	22.00	--
Red	325-5554	12.00	11.00	9.00	9.00	--
Red	114-1091	12.00	11.00	9.00	8.00	--
Red	325-5463	27.00	25.00	24.00	--	--
Red	325-5517	28.00	25.00	22.00	18.00	--
Red	114-1082	28.00	25.00	22.00	18.00	--
Red	325-5451	25.00	--	--	--	--
Red	114-1084	23.00	--	--	--	--
Red	325-5566	12.00	11.00	9.00	9.00	--
Red	623-672	46.00	37.00	33.00	25.00	--
Red	114-1087	46.00	37.00	33.00	25.00	--
Orange	623-696	56.00	46.00	38.00	24.00	--
Orange	114-1076	56.00	46.00	38.00	23.00	--
Orange	623-702	55.00	44.00	37.00	24.00	--
Orange	114-1078	55.00	44.00	37.00	23.00	--
Yellow	623-714	55.00	44.00	37.00	25.00	--
Yellow	114-1092	55.00	44.00	37.00	24.00	--
Yellow	623-726	54.00	44.00	38.00	30.00	--
Yellow	114-1093	54.00	44.00	38.00	30.00	--
Yellow	325-5580	11.00	10.00	10.00	9.00	--
Yellow	325-5578	27.00	24.00	22.00	17.00	--
Yellow	114-1094	55.00	44.00	37.00	22.00	--
Yellow	623-738	55.00	44.00	37.00	22.00	--
Yellow	325-5591	12.00	11.00	9.00	9.00	--
Green	325-5608	28.00	25.00	22.00	21.00	--
Green	114-1074	28.00	25.00	22.00	20.00	--
Green	325-5610	28.00	25.00	22.00	20.00	--
Green	114-1075	28.00	25.00	22.00	19.00	--

Colour	Order Code	Price Each				
		1+	50+	100+	1K+	+
Ultrahigh Bright - Untinted Clear Lens - InGaAlP						
Pure green	333-0370	83.00	69.00	62.00	44.00	--
Pure green	114-1079	83.00	69.00	62.00	44.00	--
Pure green	325-5621	28.00	25.00	22.00	22.00	--
Pure green	114-1080	28.00	25.00	22.00	20.00	--
Pure green	322-5288	64.00	52.00	50.00	37.00	--
Pure green	114-1081	64.00	52.00	50.00	37.00	--
Ultrahigh Bright - Tinted Clear Lens - InGaAlP						
Red	325-5633	16.00	14.00	12.00	9.00	--
Yellow	325-5645	12.00	11.00	9.00	9.00	--
Ultrahigh Bright - Tinted Diffused Lens - InGaAlP						
Red	325-5657	12.00	11.00	9.00	9.00	--
Red	114-1088	12.00	11.00	9.00	8.00	--
Yellow	325-5669	12.00	11.00	9.00	9.00	--

5mm/T1¾, Ultra Bright



L=8.6, Dia.=5; Lead pitch=2.54,
 Leads=27 x 0.5sq
 Cathode identified by shorter lead
 Ligitek
 L=9.0, Dia=4.9; Lead pitch=2.54, Leads=25.0 x 0.5sq
 Cathode identified by short lead and flat on body



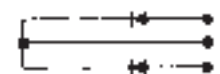
Colour	View Angle	Lum. Intensity (mcd)		I _f (mA)	PIV (max.)	Order Code
		@ I _f =10mA min.	typ.			
Untinted Clear Lens						
Green	30°	100	300	25	5	637-154
Ultra red	30°	500	1000	30	5	637-166
Ultra red	30°	2000	3500	30	5	637-178
Yellow	32°	37.6	55	60	5	857-6483
Green	24°	170	300	90	5	857-6505
Tinted Diffused Lens						
Yellow	60°	100	500	30	5	328-3811

*=Typ. Luminous Intensity. **=Max. forward voltage

206333

Colour	Order Code	Price Each			
		5+	100+	1K+	5K+
Green	637-154▲	10.00	8.00	7.00	4.00
Ultra red	637-166▲	13.00	10.00	5.00	4.00
Ultra red	637-178▲	14.00	12.00	11.00	10.00
Yellow	857-6483	15.00	13.00	12.00	11.00
Green	857-6505	21.00	18.00	16.00	15.00
Yellow	328-3811▲	22.00	18.00	15.00	10.00

Tricolour, 5mm/T1¾



178-296
 L=8.6, Dia=5.0
 Leads on 2.54 PCD
 with stand-offs
 Leads L=24 x 0.5sq
 HLMP4000
 L=8.6, Dia=5.0
 Leads spacing 1.27
 (leads in line), no stand-offs
 Leads L=25 x 0.51sq
 A1=Green (longest lead)
 A2=Orange/Red (shortest lead)
 HLMP4000
 A2=Red (short lead)
 K=Common cathode (centre lead)

Two colour LEDs connected common cathode. Both diodes connected gives third intermediate colour.

Colours	View Angle	Typ Lum. Intensity (mcd)	I _f (mA)	Mfrs.	Order Code
Orange-Red and Green	60°	6 @ 20mA	30mA	VISH	TLUV5300, 178-296
HE Red and Green	65°	5/8 @ 10mA	30mA	AGI	HLMP-4000, 100-3244
Orange-Red and Green	60°	/ @ 20mA		AGI	TLUV5300, 104-5375

FOR SUITABLE MOUNTING CLIP AND RING FOR HLMP4000 SEE ORDER CODE 233-547

221744

Order Code	Price Each			
	5+	25+	100+	250+
178-296▲±	22.00	20.00	16.00	13.00
100-3244●	46.00	26.00	18.00	14.00
104-5375●	22.00	20.00	16.00	13.00