

Agilent Technologies Light Emitting Diodes (LEDs)

— Continued

5mm LEDs Precision Optical Performance (POP) Including High Brightness Blue and Green



Dia = 5.0, L = 8.71, Leads = 22.89 0.5sq
Lead Pitch = 2.54
Cathode identified by flat on body and shorter lead

- Designed for the Electronic Signs & Signalling market
- Superior performance in outdoor environments
- Viewing angles match Traffic Sign Management requirements
- Well defined spatial radiation patterns
- Red, Green and Blue radiation patterns matched for full colour signs (Oval LED's)
- Colours meet automotive and pedestrian signal specifications

I_f max. = 30mA - P.I.V. = 5V

Colour	View Angle	Typ. Lum. Intensity @ 20mA		Peak Wavelength (nm)	Stand-offs	Mfrs. List No.	Order Code
		min.	max.				
Red Untinted Clear Lens							
Red	6°	4700	18400	626	No	HLMP-EG08-WZ000	332-4412
Red	6°	4700	18400	626	Yes	HLMP-EG10-WZ000	332-4424
Red	15°	2170	8300	630	No	HLMP-ED16-TW000	301-5154
Red	15°	2170	8300	630	Yes	HLMP-ED18-TW000	302-7650
Red	15°	1650	6300	626	No	HLMP-EG15-SV000	301-5129
Red	15°	1650	6300	626	Yes	HLMP-EG17-SV000	302-7624
Red	23°	2170	8300	630	No	HLMP-ED25-TW000	332-4450
Red	23°	2170	8300	630	Yes	HLMP-ED27-TW000	332-4461
Red	23°	765	2900	626	No	HLMP-EG24-PS000	301-5130
Red	23°	765	2900	626	Yes	HLMP-EG26-PS000	302-7636
Red	30°	1650	6300	626	No	HLMP-ED31-SV000	332-4436
Red	30°	1650	6300	626	Yes	HLMP-ED33-SV000	332-4448
Red	30°	590	2200	626	No	HLMP-EG30-NR000	301-5142
Red	30°	590	2200	626	Yes	HLMP-EG32-NR000	302-7648
Red-Orange Untinted Clear Lens							
Red-Orange	6°	4700	18400	615	No	HLMP-EH08-WZ000	332-4473
Red-Orange	6°	4700	18400	615	Yes	HLMP-EH10-WZ000	332-4485
Red-Orange	15°	2750	10700	615	No	HLMP-EH16-UX000	301-5191
Red-Orange	15°	2750	10700	615	Yes	HLMP-EH18-UX000	302-7697
Red-Orange	23°	1650	6300	615	No	HLMP-EH25-SV000	301-5208
Red-Orange	23°	1650	6300	615	Yes	HLMP-EH27-SV000	302-7703
Red-Orange	30°	1650	6300	615	No	HLMP-EH31-SV000	332-4497
Red-Orange	30°	1650	6300	615	Yes	HLMP-EH33-SV000	332-4503
Amber Untinted Clear Lens							
Amber	6°	3600	13800	590	No	HLMP-EL08-VY000	301-5040
Amber	6°	1650	6300	590	Yes	HLMP-EL10-VY000	302-7545
Amber	15°	2750	10700	592	No	HLMP-EL16-UX000	301-5087
Amber	15°	2750	10700	592	Yes	HLMP-EL18-UX000	302-7582
Amber	15°	1650	6300	590	No	HLMP-EL15-SV000	301-5051
Amber	15°	1650	6300	590	Yes	HLMP-EL17-SV000	302-7557
Amber	23°	1650	6300	592	No	HLMP-EL25-SV000	301-5099
Amber	23°	1650	6300	592	Yes	HLMP-EL27-SV000	302-7594
Amber	23°	765	2900	590	No	HLMP-EL24-PS000	301-5063
Amber	23°	765	2900	590	Yes	HLMP-EL26-PS000	302-7569
Amber	30°	1650	6300	592	No	HLMP-EL31-SV000	332-7840
Amber	30°	1650	6300	592	Yes	HLMP-EL33-SV000	332-7851
Amber	30°	1000	3700	592	No	HLMP-EL31-QT000	301-5105
Amber	30°	1000	3700	592	Yes	HLMP-EL33-QT000	302-7600
Amber	30°	765	2900	590	No	HLMP-EL30-PS000	301-5075
Amber	30°	765	2900	590	Yes	HLMP-EL32-PS000	302-7570
Blue Untinted Clear Lens							
Blue	15°	765	1575*	470	No	HLMP-CB15	301-5221
Blue	15°	765	1575*	470	Yes	HLMP-CB16	302-7727
Blue	30°	270	560*	470	No	HLMP-CB30	301-5233
Blue	30°	270	560*	470	Yes	HLMP-CB31	302-7739
Green Untinted Clear Lens							
Green	15°	1650	4700*	524	No	HLMP-CM15	301-5245
Green	15°	1650	4700*	524	Yes	HLMP-CM16	302-7740
Green	30°	765	1750*	524	No	HLMP-CM30	301-5257
Green	30°	765	1750*	524	Yes	HLMP-CM31	302-7752
Oval 70° 3 5° Untinted Clear Lens							
Red	70° 3 5°	345	600	630	No	HLMP-BD06	302-7843
Red	70° 3 5°	345	600	630	Yes	HLMP-BD16	301-5348
Amber	70° 3 5°	345	500	592	No	HLMP-BL06	302-7831
Amber	70° 3 5°	345	500	592	Yes	HLMP-BL16	301-5336
Green	70° 3 5°	590	1300	526	No	HLMP-BM01	302-7818
Green	70° 3 5°	590	1300	526	Yes	HLMP-BM11	301-5312
Blue	70° 3 5°	205	400	472	No	HLMP-BB01	302-7820
Blue	70° 3 5°	205	400	472	Yes	HLMP-BB11	301-5324
Oval 120° 6 0° Untinted Clear Lens							
Red	120° 6 0°	205	780	630	Yes	HLMP-SD11-JM000	301-5361
Amber	120° 6 0°	155	600	592	Yes	HLMP-SL11-HL000	301-5350

* Typical values

OPT628

Order Multiple=5

Colour	Order Code	5+	100+	250+	500+	1K+
Red Untinted Clear Lens						
Red	NEW 332-4412					
Red	NEW 332-4424					
Red	301-5154					
Red	302-7650					
Red	301-5129					
Red	302-7624					
Red	NEW 332-4450					
Red	NEW 332-4461					
Red	301-5130					
Red	302-7636					
Red	NEW 332-4436					
Red	NEW 332-4448					
Red	301-5142					
Red	302-7648					

Red-Orange Untinted Clear Lens

Red-Orange	NEW 332-4473					
Red-Orange	NEW 332-4485					
Red-Orange	301-5191					
Red-Orange	302-7697					
Red-Orange	301-5208					
Red-Orange	302-7703					
Red-Orange	NEW 332-4497					
Red-Orange	NEW 332-4503					

Amber Untinted Clear Lens

Amber	301-5040					
Amber	302-7545					
Amber	301-5087					
Amber	302-7582					
Amber	301-5051					
Amber	302-7557					
Amber	301-5099					
Amber	302-7594					
Amber	301-5063					
Amber	302-7569					
Amber	NEW 332-7840					
Amber	NEW 332-7851					
Amber	301-5105					
Amber	302-7600					
Amber	301-5075					
Amber	302-7570					

Order Multiple=1

Colour	Order Code	1+	100+	250+	500+	1000+
Blue Untinted Clear Lens						
Blue	301-5221					
Blue	302-7727					
Blue	301-5233					
Blue	302-7739					

Green Untinted Clear Lens

Green	301-5245					
Green	302-7740					
Green	301-5257					
Green	302-7752					

Order Multiple=5

Colour	Order Code	5+	100+	250+	500+	1000+
Oval 70°x35° Untinted Clear Lens						
Red	302-7843					
Red	301-5348					
Amber	302-7831					
Amber	301-5336					

Order Multiple=1

Colour	Order Code	1+	100+	250+	500+	1000+
Green	302-7818					
Green	301-5312					
Blue	302-7820					
Blue	301-5324					

Order Multiple=5

Colour	Order Code	1+	100+	250+	500+	1000+
Oval 120°x60° Untinted Clear Lens						
Red	301-5361					
Amber	301-5350					