

Agilent Technologies Light Emitting Diodes (LEDs) - continued

4 & 5mm - InGaN Extra Bright - continued

Round and Oval - continued

Reverse Voltage = 5V for all items

Colour	View Angle	Luminous Intensity @ 20mA Min (mcd) Max (mcd)	I _f (mA) (max)	Standoff	Mfrs. List No.	Order Code
5mm - Untinted Non-diffused Lens						
Blue	15°	2500	30mA	Yes	HLMP-CB12-TW000	857-6653
Blue	15°	2500	30mA	No	HLMP-CB11-TW000	879-2771
Blue	23°	1900	30mA	No	HLMP-CB26-SV000	857-6700
Blue	23°	1900	30mA	Yes	HLMP-CB27-SV000	857-6726
Blue	30°	1150	30mA	No	HLMP-CB36-QT000	857-6777
Blue	30°	1150	30mA	Yes	HLMP-CB37-RU000	879-2780
Cyan	15°	7200	30mA	No	HLMP-CE11-X1000	857-6807
Cyan	15°	7200	30mA	Yes	HLMP-CE12-X1000	857-6815
Cyan	23°	5500	30mA	No	HLMP-CE26-WZ000	857-6840
Cyan	23°	5500	30mA	Yes	HLMP-CE27-WZ000	857-6858
Cyan	30°	5500	30mA	No	HLMP-CE36-WZ000	857-6912
Cyan	30°	5500	30mA	Yes	HLMP-CE37-WZ000	857-6920
Green	15°	9300	30mA	No	HLMP-CM11-Y2000	857-6947
Green	15°	9300	30mA	No	HLMP-CM11-Z1C00	879-2798
Green	15°	9300	30mA	Yes	HLMP-CM12-Y2000	857-6955
Green	23°	7200	30mA	No	HLMP-CM26-X1000	857-6998
Green	23°	9300	30mA	No	HLMP-CM26-YZC00	857-7005
Green	23°	9300	30mA	Yes	HLMP-CM27-X1000	879-2801
Green	30°	7200	30mA	No	HLMP-CM36-X1000	857-7072
Green	30°	7200	30mA	Yes	HLMP-CM37-X1000	857-7099
White	15°	5500	30mA	No	HLMP-CW11-WZ000	857-7102
White	15°	7200	30mA	No	HLMP-CW11-XY000	807-6418
White	15°	7200	30mA	Yes	HLMP-CW12-WZ000	807-6431
White	23°	3200	30mA	No	HLMP-CW26-UX000	857-7129
White	23°	3200	30mA	Yes	HLMP-CW27-UX000	807-6510
White	23°	4200	30mA	Yes	HLMP-CW27-VW000	807-6546
White	30°	2500	30mA	No	HLMP-CW36-TW000	857-7137
White	30°	3200	30mA	No	HLMP-CW36-UV000	807-6583
White	30°	2500	30mA	Yes	HLMP-CW37-TW000	807-6601
White	30°	3200	30mA	Yes	HLMP-CW37-UV000	807-6625
White	50°	880	30mA	No	HLMP-CW46-PS000	857-7145
White	50°	1150	30mA	No	HLMP-CW46-QR000	807-6662
White	50°	1150	30mA	No	HLMP-CW46-QRB00	879-2810
White	50°	880	30mA	Yes	HLMP-CW47-PS000	807-6686
White	50°	1150	30mA	Yes	HLMP-CW47-QR000	807-6704
White	50°	1150	30mA	Yes	HLMP-CW47-QRB00	879-2828
White	70°	680	30mA	No	HLMP-CW76-NR000	857-7161
White	70°	880	30mA	No	HLMP-CW76-PQ000	807-6741
White	70°	680	30mA	Yes	HLMP-CW77-NR000	807-6765
5mm Oval - Tinted Non-diffused Lens						
Blue	40 x 100°	400	30mA	Yes	HLMP-HB57-LP000	857-7382
Green	40 x 100°	1900	30mA	Yes	HLMP-HM57-SV000	857-7412
4mm Oval - Tinted Non-diffused Lens						
Blue	50 x 100°	400	30mA	Yes	HLMP-LB17-LP000	879-2836
Green	50 x 100°	1900	30mA	Yes	HLMP-LM17-SV000	879-2844

Order Code	1+	10+	100+	500+	+
5mm - Untinted Non-diffused Lens					
857-7161	86.00	52.00	38.00	31.00	--
807-6741	91.00	55.00	40.00	33.00	--
807-6765	86.00	52.00	38.00	31.00	--
5mm Oval - Tinted Non-diffused Lens					
857-7382	78.00	47.00	35.00	28.00	--
857-7412	78.00	47.00	35.00	28.00	--
4mm Oval - Tinted Non-diffused Lens					
879-2836	76.00	46.00	34.00	28.00	--
879-2844	76.00	46.00	34.00	28.00	--

Electronic Signs and Signals is a fast moving and expanding market where Customers are requiring narrower colour and intensity selections. In order to meet these needs Agilent have created a new numbering system to enable a more effective selection of their LED's for this large and varied market.



Here are some examples of the Applications that these LED's may be used in:

Variable Message Systems including lane signs, urban message signals, fixed and portable message signs.

Traffic Signs including traffic lights, railway crossing signals, pedestrian signals.

Traffic Signs including blink/barricade lamps, beacons, lane arrows, lane indicators/markers, toll signs, pictograms, speed limit signs, parking signs.

Commercial signs including advertising signs, entertainment signs, general information/health and safety signs, passenger information signs, full colour video panels, stadium signs.

The Agilent Ultra High Bright LED's used in this market area are the Precision Optical Performance (POP) light emitting diodes. The AllnGap and InGaN LED's provide superior light output for excellent readability in sunlight and are extremely reliable. The lamps have untinted, non-diffused lenses and offer well defined spatial radiation patterns. They have advanced optical grade epoxy offering superior high temperature and high moisture resistance performance in outdoor signal and sign applications.

206589

5mm LED's Precision Optical Performance (POP) Including High Brightness White, Blue and Green



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

Dia=5.0, L=8.71, Leads=22.89x0.5sq
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)
- High luminous output including White
- Colours meet automotive and pedestrian signal specifications

Colour	View Angle	Typ Lum Intensity @ 20mA min. max	Peak Wavelength (nm)	Stand-offs	Mfrs. List No.	Order Code
Red Untinted Clear Lenses						
Red	6°	4700 18400	626	No	HLMP-EG08-WZ000	100-3319
Red	6°	4700 18400	626	No	HLMP-EG10-WZ000	100-3321
Red	15°	2170 8300	630	Yes	HLMP-ED16-TW000	100-3153
Red	15°	2170 8300	630	Yes	HLMP-ED18-TW000	100-3175
Red	23°	2170 8300	630	No	HLMP-ED25-TW000	100-3324
Red	23°	2170 8300	630	Yes	HLMP-ED27-TW000	100-3325
Red	23°	765 2900	626	No	HLMP-EG24-PS000	100-3151
Red	23°	765 2900	626	Yes	HLMP-EG26-PS000	100-3172
Red	30°	1650 6300	626	No	HLMP-ED31-SV000	100-3322
Red	30°	1650 6300	626	Yes	HLMP-ED33-SV000	100-3323
Red	30°	590 2200	626	No	HLMP-EG30-NR000	100-3152
Red	30°	590 2200	626	Yes	HLMP-EG32-NR000	100-3174
Red	15°	3200	639	No	HLMP-ED18-UX000..	857-7170
Red	23°	1900	639	No	HLMP-ED25-SV000	857-7188
Red	23°	1900	639	Yes	HLMP-ED27-SV000	857-7196
Red	30°	1500	639	No	HLMP-ED31-RU000	857-7200
Red	30°	1900	639	No	HLMP-ED31-SV000..	857-7218
Red	8°	9300	635	No	HLMP-EG08-Y2000..	857-7226
Red	15°	880	635	No	HLMP-EG15-PS000..	857-7234
Red	30°	520	635	No	HLMP-EG30-MQ000	857-7242
Red-Orange Untinted Clear Lenses						
Red/Orange	6°	4700 18400	615	No	HLMP-EH08-Y2000.	100-3326
Red/Orange	6°	4700 18400	615	Yes	HLMP-EH10-WZ000	100-3327
Red/Orange	15°	2750 10700	615	No	HLMP-EH16-UX000	100-3154
Red/Orange	15°	2750 10700	615	Yes	HLMP-EH18-UX000	100-3176
Red/Orange	23°	1650 6300	615	No	HLMP-EH25-SV000	100-3155
Red/Orange	30°	1650 6300	615	No	HLMP-EH31-SV000	100-3328
Red/Orange	30°	1650 6300	615	Yes	HLMP-EH33-SV000	100-3329
Red - Orange	15°	3200	623	No	HLMP-EH16-TW000	857-7250
Red - Orange	23°	2500	623	No	HLMP-EH25-TW000	857-7269
Red - Orange	30°	1500	623	Yes	HLMP-EH33-RU000	857-7277
Amber Untinted Clear Lenses						
Amber	6°	3600 13800	590	No	HLMP-EL08-VY000	100-3142
Amber	6°	1650 6300	590	Yes	HLMP-EL10-VY000	100-3165
Amber	15°	2750 10700	592	No	HLMP-EL16-UX000	100-3146
Amber	15°	2750 10700	592	Yes	HLMP-EL18-UX000	100-3169

Prices are in Thai Baht and exclude 7% VAT. Due to the volatile nature of certain products, prices are subject to change without notice.