

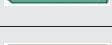
Designation system

LED bar graph display

BL- A R 10 Z 2510 S- 2 1- L4

BETLUX																						
A-Array graph display																						
Display Area Shape: R-Rectangular   S-Square  C-Circle  T-Other 																						
Display Area Number																						
Drive Mode <table border="1"> <tr> <td>A.C.E.G.I.K. M.O.Q.S.U.W</td> <td>Common Cathode</td> <td></td> </tr> <tr> <td>B.D.F.H.J.L. N.P.R.T.V.X</td> <td>Common Anode</td> <td></td> </tr> <tr> <td>Z</td> <td>Universal</td> <td></td> </tr> </table>											A.C.E.G.I.K. M.O.Q.S.U.W	Common Cathode		B.D.F.H.J.L. N.P.R.T.V.X	Common Anode		Z	Universal				
A.C.E.G.I.K. M.O.Q.S.U.W	Common Cathode																					
B.D.F.H.J.L. N.P.R.T.V.X	Common Anode																					
Z	Universal																					
Reflector Length and Reflector Width																						
Special Device: -Lxx: Pin Length																						
Bar Epoxy Color: <table border="1"> <tr> <td>0-Water Clear</td> <td></td> </tr> <tr> <td>1-White Diffused</td> <td></td> </tr> <tr> <td>2-Red Diffused</td> <td></td> </tr> <tr> <td>3-Green Diffused</td> <td></td> </tr> <tr> <td>4-Yellow Diffused</td> <td></td> </tr> <tr> <td>5-Blue Diffused</td> <td></td> </tr> </table>											0-Water Clear		1-White Diffused		2-Red Diffused		3-Green Diffused		4-Yellow Diffused		5-Blue Diffused	
0-Water Clear																						
1-White Diffused																						
2-Red Diffused																						
3-Green Diffused																						
4-Yellow Diffused																						
5-Blue Diffused																						

Code	Color	Wavelength(nm)	Material
H	Red	700	CaP
S	Hi Red	660	AlGaAs,SH
UR	Ultra Red	660	AlGaAs,DDH
UHR	Ultra Red	640	AlGaInP
E	Red	635	CaAsP
UE	Ultra Red	630	AlGaInP
G	Green	570	CaP
UG	Ultra Green	574	AlGaInP
PG	Ultra Pure Green	525	AlGaInP
Y	Yellow	585	CaAsP
UY	Ultra Yellow	590	AlGaInP
UYO	Ultra Amber	610	AlGaInP
UB	Ultra Blue	470	InGaN
UW	Ultra White	-	InGaN
UW	Ultra Warm White	-	InGaN

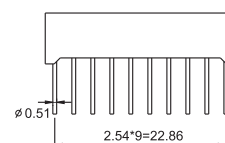
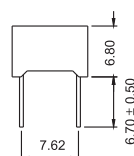
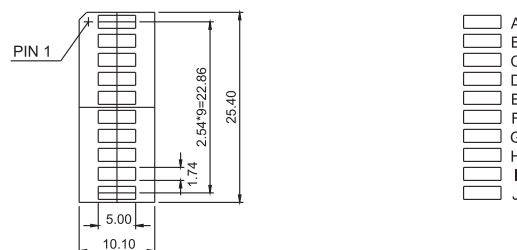
Reflector Surface Color:	
0-White Surface	
1-Black Surface	
2-Gray Surface	
3-Red Surface	
4-Green Surface	
5-Yellow Surface	
6-Blue Surface	

LED bargraph display

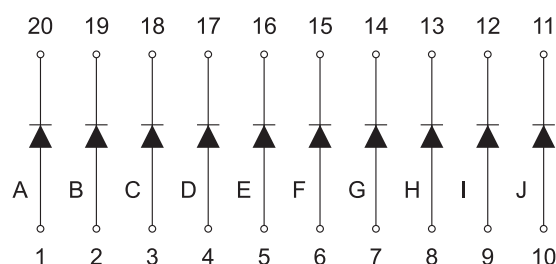
Part No	Chip		Iv(mcd)	Drawing
	Material	λ P (nm)		

BL-AR10Z2510S--XX	GaAlAs/GaAs,SH		660	18
BL-AR10Z2510D-XX	GaAlAs/GaAs,DH		660	30
BL-AR10Z2510UR-XX	GaAlAs/GaAs,DDH		660	45
BL-AR10Z2510E-XX	GaAsP/GaP		635	10
BL-AR10Z2510Y-XX	GaAsP/GaP		585	10
BL-AR10Z2510G-XX	GaP/GaP		570	10
BL-AR10Z2510UHR-XX	AlGaInP		645	45
BL-AR10Z2510UE-XX	AlGaInP		630	18
BL-AR10Z2510YO-XX	AlGaInP		619	18
BL-AR10Z2510UY-XX	AlGaInP		590	18
BL-AR10Z2510UG-XX	AlGaInP		574	18
BL-AR10Z2510PG-XX	InGaN		525	22
BL-AR10Z2510UB-XX	InGaN		470	31
BL-AR10Z2510UW-XX	InGaN		/	50

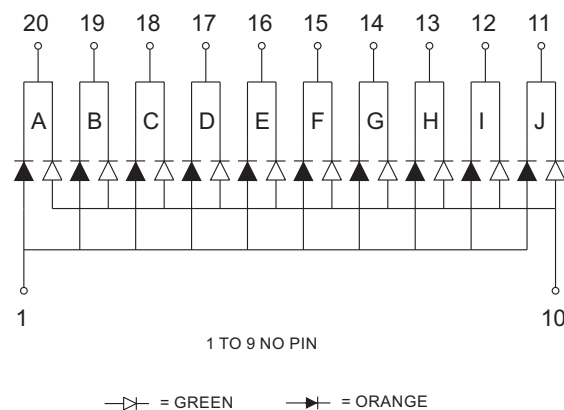
BL-AR10X2510 Series



BL-AR10Z2510



BL-AR10B2510EG



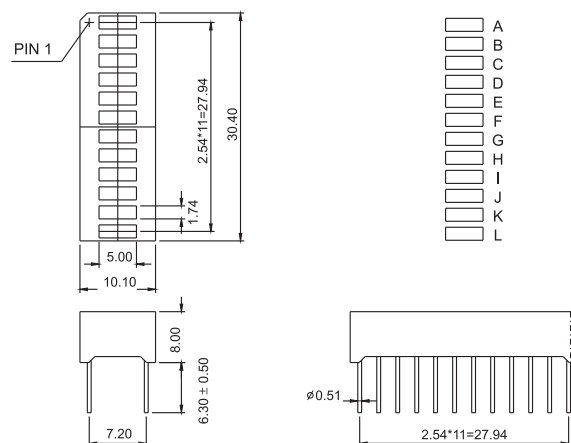
LED bargraph display

Part No		Chip		lv(mcd)	Drawing
Common Cathode	Common Anode	Material	λP (nm)	Typ.	

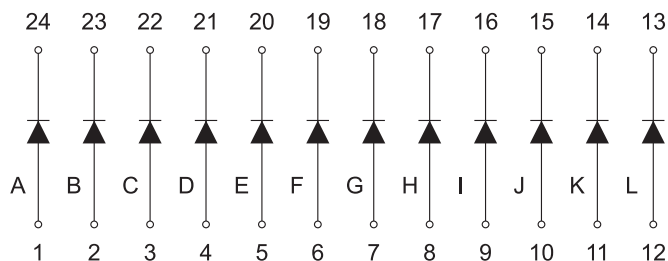
BL-AR12Z3010S--XX	GaAlAs/GaAs,SH		660	18
BL-AR12Z3010D-XX	GaAlAs/GaAs,DH		660	30
BL-AR12Z3010UR-XX	GaAlAs/GaAs,DDH		660	45
BL-AR12Z3010E-XX	GaAsP/GaP		635	10
BL-AR12Z3010Y-XX	GaAsP/GaP		585	10
BL-AR12Z3010G-XX	GaP/GaP		570	10
BL-AR12Z3010UHR-XX	AlGaInP		645	45
BL-AR12Z3010UE-XX	AlGaInP		630	18
BL-AR12Z3010YO-XX	AlGaInP		619	18
BL-AR12Z3010UY-XX	AlGaInP		590	18
BL-AR12Z3010UG-XX	AlGaInP		574	18
BL-AR12Z3010PG-XX	InGaN		525	22
BL-AR12Z3010UB-XX	InGaN		470	31
BL-AR12Z3010UW-XX	InGaN		/	50

BL-AR12Z3010SG--XX	AlGaInP		660	10
	GaP/GaP		570	10
BL-AR12Z3010EG-XX	GaAsP/GaP		635	10
	GaP/GaP		570	10
BL-AR12Z3010DUG-XX	AlGaInP		660	30
	AlGaInP		574	18
BL-AR12Z3010UEUG-XX	AlGaInP		630	18
	AlGaInP		574	18

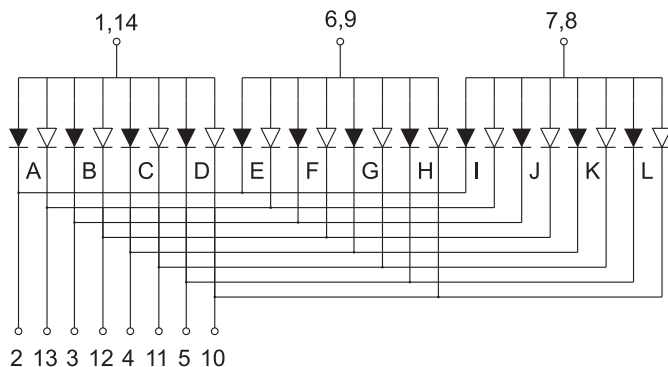
BL-AR12X3010 Series



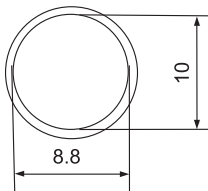
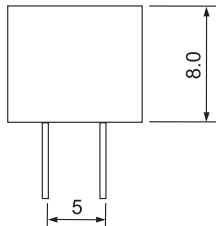
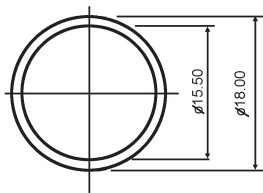
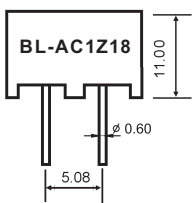
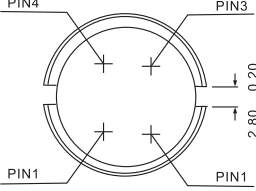
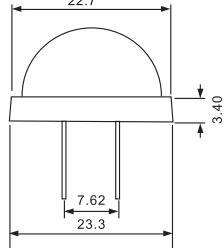
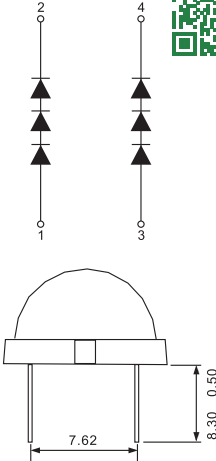
BL-AR12Z3010



BL-AR12Z3010EG



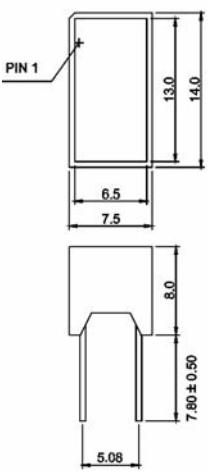
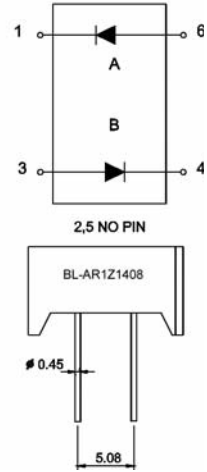
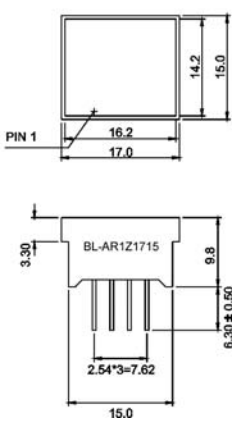
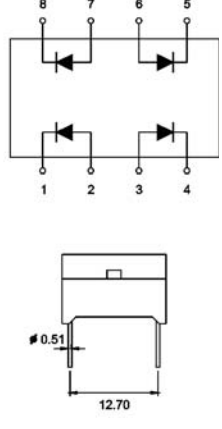
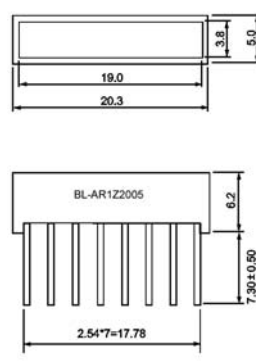
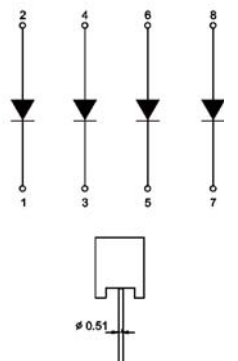
LED bargraph display

Part No		Chip		lv(mcd)	Drawing
Common Cathode	Common Anode	Material	λ_p (nm)	Typ.	
BL-AS1Z10S-XX		GaAlAs/GaAs,SH	660	6	BL-AC1Z10 Series   BL-AC1Z10  
BL-AS1Z10D-XX		GaAlAs/GaAs,DH	660	11	
BL-AS1Z10UR-XX		GaAlAs/GaAs,DDH	660	20	
BL-AS1Z10E-XX		GaAsP/GaP	635	6	
BL-AS1Z10Y-XX		GaAsP/GaP	585	6	
BL-AS1Z10G-XX		GaP/GaP	570	6	
BL-AS1Z10UHR-XX		AlGaInP	645	20	
BL-AS1Z10UE-XX		AlGaInP	630	11	
BL-AS1Z10YO-XX		AlGaInP	619	11	
BL-AS1Z10UY-XX		AlGaInP	590	11	
BL-AS1Z10UG-XX		AlGaInP	574	11	
BL-AS1Z10PG-XX		InGaN	525	16	
BL-AS1Z10UB-XX		InGaN	470	22	
BL-AS1Z10UW-XX		InGaN	/	35	
BL-AC1Z18S2-XX		GaAlAs/GaAs,SH	660	5	BL-AC1Z18 Series   BL-AC1Z18-2  
BL-AC1Z18D2-XX		GaAlAs/GaAs,DH	660	10	
BL-AC1Z18UR2-XX		GaAlAs/GaAs,DDH	660	20	
BL-AC1Z18E2-XX		GaAsP/GaP	635	5	
BL-AC1Z18Y2-XX		GaAsP/GaP	585	5	
BL-AC1Z18G2-XX		GaP/GaP	570	5	
BL-AC1Z18UHR2-XX		AlGaInP	645	20	
BL-AC1Z18UE2-XX		AlGaInP	630	8	
BL-AC1Z18YO2-XX		AlGaInP	619	8	
BL-AC1Z18UY2-XX		AlGaInP	590	8	
BL-AC1Z18UG2-XX		AlGaInP	574	8	
BL-AC1Z18PG2-XX		InGaN	525	12	
BL-AC1Z18UB2-XX		InGaN	470	20	
BL-AC1Z18UW2-XX		InGaN	/	30	
BL-AC1Z20S-XX		GaAlAs/GaAs,SH	660	12	BL-AC1Z20 Series    
BL-AC1Z20D-XX		GaAlAs/GaAs,DH	660	18	
BL-AC1Z20UR-XX		GaAlAs/GaAs,DDH	660	30	
BL-AC1Z20E-XX		GaAsP/GaP	635	10	
BL-AC1Z20Y-XX		GaAsP/GaP	585	10	
BL-AC1Z20G-XX		GaP/GaP	570	10	
BL-AC1Z20UHR-XX		AlGaInP	645	30	
BL-AC1Z20UE-XX		AlGaInP	630	15	
BL-AC1Z20YO-XX		AlGaInP	619	15	
BL-AC1Z20UY-XX		AlGaInP	590	15	
BL-AC1Z20UG-XX		AlGaInP	574	15	
BL-AC1Z20PG-XX		InGaN	525	20	
BL-AC1Z20UB-XX		InGaN	470	30	
BL-AC1Z20UW-XX		InGaN	/	40	

All dimensions are in millimeters (inches)
Tolerance is $\pm 0.25(0.01)$ unless otherwise note

For more, please visit <http://www.betlux.com>

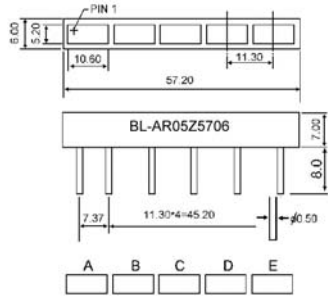
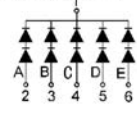
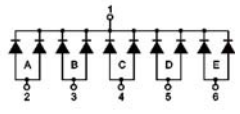
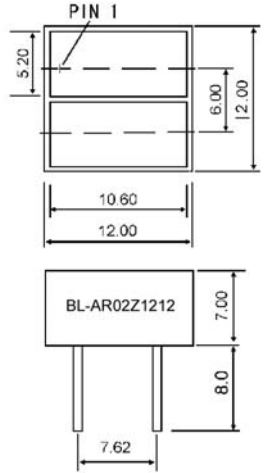
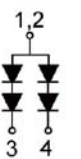
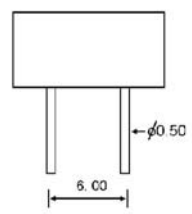
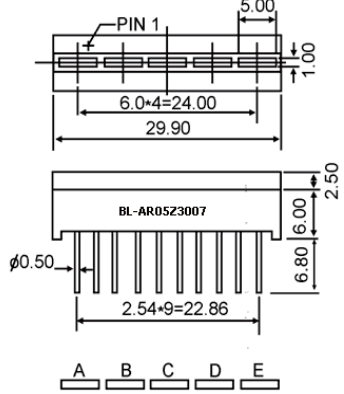
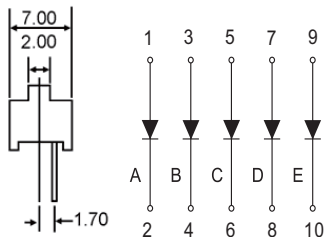
LED bargraph display

Part No		Chip		lv(mcd)	Drawing
Common Cathode	Common Anode	Material	λ P (nm)	Typ.	
BL-AR1Z1408S--XX	GaAlAs/GaAs,SH	■	660	18	BL-AR1Z1408 Series  BL-AR1Z1408  
BL-AR1Z1408D-XX	GaAlAs/GaAs,DH	■	660	30	
BL-AR1Z1408UR-XX	GaAlAs/GaAs,DDH	■	660	45	
BL-AR1Z1408E-XX	GaAsP/GaP	■	635	10	
BL-AR1Z1408Y-XX	GaAsP/GaP	■	585	10	
BL-AR1Z1408G-XX	GaP/GaP	■	570	10	
BL-AR1Z1408UHR-XX	AlGaInP	■	645	45	
BL-AR1Z1408UE-XX	AlGaInP	■	630	18	
BL-AR1Z1408YO-XX	AlGaInP	■	619	18	
BL-AR1Z1408UY-XX	AlGaInP	■	590	18	
BL-AR1Z1408UG-XX	AlGaInP	■	574	18	
BL-AR1Z1408PG-XX	InGaN	■	525	22	
BL-AR1Z1408UB-XX	InGaN	■	470	31	
BL-AR1Z1408UW-XX	InGaN	□	/	50	
BL-AR1Z1715S--XX	GaAlAs/GaAs,SH	■	660	6	BL-AR1Z1715 Series  BL-AR1Z1715  
BL-AR1Z1715D-XX	GaAlAs/GaAs,DH	■	660	11	
BL-AR1Z1715UR-XX	GaAlAs/GaAs,DDH	■	660	20	
BL-AR1Z1715E-XX	GaAsP/GaP	■	635	6	
BL-AR1Z1715Y-XX	GaAsP/GaP	■	585	6	
BL-AR1Z1715G-XX	GaP/GaP	■	570	6	
BL-AR1Z1715UHR-XX	AlGaInP	■	645	20	
BL-AR1Z1715UE-XX	AlGaInP	■	630	11	
BL-AR1Z1715YO-XX	AlGaInP	■	619	11	
BL-AR1Z1715UY-XX	AlGaInP	■	590	11	
BL-AR1Z1715UG-XX	AlGaInP	■	574	11	
BL-AR1Z1715PG-XX	InGaN	■	525	14	
BL-AR1Z1715UB-XX	InGaN	■	470	22	
BL-AR1Z1715UW-XX	InGaN	□	/	35	
BL-AR1Z2005S--XX	GaAlAs/GaAs,SH	■	660	6	BL-AR1Z2005 Series  BL-AR1Z2005  
BL-AR1Z2005D-XX	GaAlAs/GaAs,DH	■	660	11	
BL-AR1Z2005UR-XX	GaAlAs/GaAs,DDH	■	660	20	
BL-AR1Z2005E-XX	GaAsP/GaP	■	635	6	
BL-AR1Z2005Y-XX	GaAsP/GaP	■	585	6	
BL-AR1Z2005G-XX	GaP/GaP	■	570	6	
BL-AR1Z2005UHR-XX	AlGaInP	■	645	20	
BL-AR1Z2005UE-XX	AlGaInP	■	630	11	
BL-AR1Z2005YO-XX	AlGaInP	■	619	11	
BL-AR1Z2005UY-XX	AlGaInP	■	590	11	
BL-AR1Z2005UG-XX	AlGaInP	■	574	11	
BL-AR1Z2005PG-XX	InGaN	■	525	14	
BL-AR1Z2005UB-XX	InGaN	■	470	22	
BL-AR1Z2005UW-XX	InGaN	□	/	35	

All dimensions are in millimeters (inches)
Tolerance is $\pm 0.25(0.01)$ unless otherwise note

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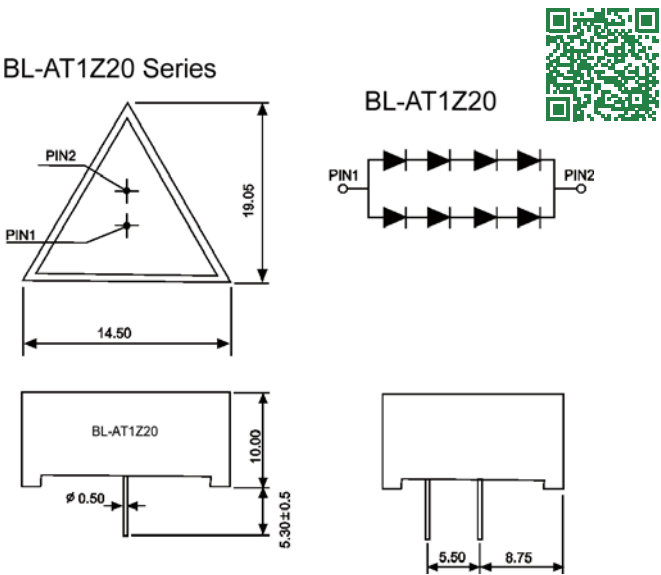
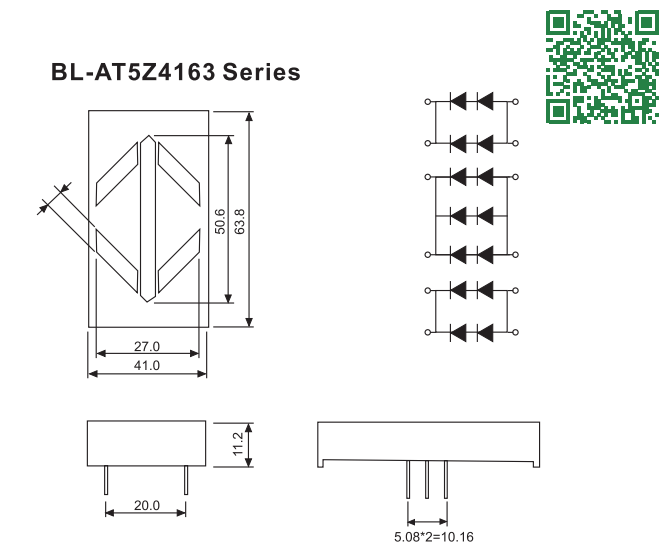
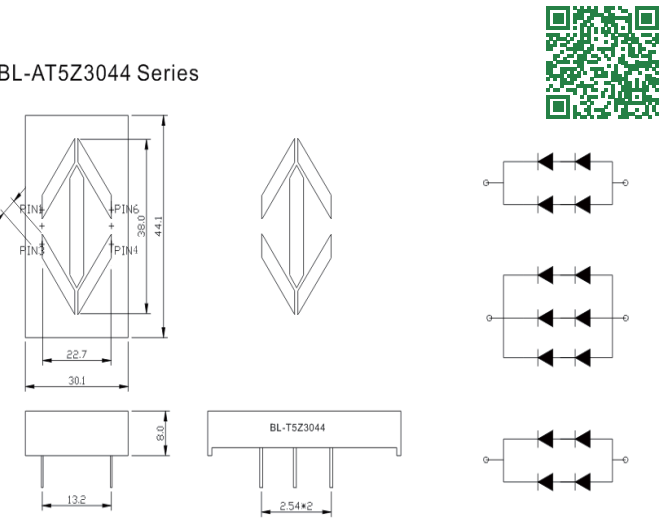
LED bargraph display

Part No		Chip		lv(mcd)	Drawing
Common Cathode	Common Anode	Material	λ_p (nm)	Typ.	
BL-AR05Z5706S--XX	GaAlAs/GaAs,SH	■	660	18	 BL-AR05Z5706 Series  BL-AR05A5706  BL-AR05C5706 
BL-AR05Z5706D-XX	GaAlAs/GaAs,DH	■	660	30	
BL-AR05Z5706UR-XX	GaAlAs/GaAs,DDH	■	660	45	
BL-AR05Z5706E-XX	GaAsP/GaP	■	635	10	
BL-AR05Z5706Y-XX	GaAsP/GaP	■	585	10	
BL-AR05Z5706G-XX	GaP/GaP	■	570	10	
BL-AR05Z5706UHR-XX	AlGaInP	■	645	45	
BL-AR05Z5706UE-XX	AlGaInP	■	630	18	
BL-AR05Z5706YO-XX	AlGaInP	■	619	18	
BL-AR05Z5706UY-XX	AlGaInP	■	590	18	
BL-AR05Z5706UG-XX	AlGaInP	■	574	18	
BL-AR05Z5706PG-XX	InGaN	■	525	22	
BL-AR05Z5706UB-XX	InGaN	■	470	31	
BL-AR05Z5706UW-XX	InGaN	□	/	50	
BL-AR02Z1212S--XX	GaAlAs/GaAs,SH	■	660	6	 BL-AR02Z1212 Series  BL-AR02Z1212  
BL-AR02Z1212D-XX	GaAlAs/GaAs,DH	■	660	11	
BL-AR02Z1212UR-XX	GaAlAs/GaAs,DDH	■	660	20	
BL-AR02Z1212E-XX	GaAsP/GaP	■	635	6	
BL-AR02Z1212Y-XX	GaAsP/GaP	■	585	6	
BL-AR02Z1212G-XX	GaP/GaP	■	570	6	
BL-AR02Z1212UHR-XX	AlGaInP	■	645	22	
BL-AR02Z1212UE-XX	AlGaInP	■	630	11	
BL-AR02Z1212YO-XX	AlGaInP	■	619	11	
BL-AR02Z1212UY-XX	AlGaInP	■	590	11	
BL-AR02Z1212UG-XX	AlGaInP	■	574	11	
BL-AR02Z1212PG-XX	InGaN	■	525	14	
BL-AR02Z1212UB-XX	InGaN	■	470	22	
BL-AR02Z1212UW-XX	InGaN	□	/	35	
BL-AR05Z3007S--XX	GaAlAs/GaAs,SH	■	660	5	 BL-AR05Z3007 Series  
BL-AR05Z3007D-XX	GaAlAs/GaAs,DH	■	660	10	
BL-AR05Z3007UR-XX	GaAlAs/GaAs,DDH	■	660	20	
BL-AR05Z3007E-XX	GaAsP/GaP	■	635	5	
BL-AR05Z3007Y-XX	GaAsP/GaP	■	585	5	
BL-AR05Z3007G-XX	GaP/GaP	■	570	5	
BL-AR05Z3007UHR-XX	AlGaInP	■	645	20	
BL-AR05Z3007UE-XX	AlGaInP	■	630	8	
BL-AR05Z3007YO-XX	AlGaInP	■	619	8	
BL-AR05Z3007UY-XX	AlGaInP	■	590	8	
BL-AR05Z3007UG-XX	AlGaInP	■	574	8	
BL-AR05Z3007PG-XX	InGaN	■	525	12	
BL-AR05Z3007UB-XX	InGaN	■	470	20	
BL-AR05Z3007UW-XX	InGaN	□	/	30	

All dimensions are in millimeters (inches)
Tolerance is $\pm 0.25(0.01")$ unless otherwise note

For more, please visit <http://www.betlux.com>

LED bargraph display

Part No		Chip		lv(mcd)	Drawing
Common Cathode	Common Anode	Material	λ_p (nm)	Typ.	
BL-AT1Z20S-XX		GaAlAs/GaAs,SH	660	14	BL-AT1Z20 Series 
BL-AT1Z20D-XX		GaAlAs/GaAs,DH	660	24	
BL-AT1Z20UR-XX		GaAlAs/GaAs,DDH	660	48	
BL-AT1Z20E-XX		GaAsP/GaP	635	10	
BL-AT1Z20Y-XX		GaAsP/GaP	585	10	
BL-AT1Z20G-XX		GaP/GaP	570	10	
BL-AT1Z20UHR-XX		AlGaInP	645	48	
BL-AT1Z20UE-XX		AlGaInP	630	28	
BL-AT1Z20YO-XX		AlGaInP	619	28	
BL-AT1Z20UY-XX		AlGaInP	590	28	
BL-AT1Z20UG-XX		AlGaInP	574	28	
BL-AT1Z20PG-XX		InGaN	525	30	
BL-AT1Z20UB-XX		InGaN	470	32	
BL-AT1Z20UW-XX		InGaN	/	50	
BL-AT5Z4163S-XX		GaAlAs/GaAs,SH	660	49	BL-AT5Z4163 Series 
BL-AT5Z4163D-XX		GaAlAs/GaAs,DH	660	84	
BL-AT5Z4163UR-XX		GaAlAs/GaAs,DDH	660	168	
BL-AT5Z4163E-XX		GaAsP/GaP	635	35	
BL-AT5Z4163Y-XX		GaAsP/GaP	585	35	
BL-AT5Z4163G-XX		GaP/GaP	570	35	
BL-AT5Z4163UHR-XX		AlGaInP	645	168	
BL-AT5Z4163UE-XX		AlGaInP	630	98	
BL-AT5Z4163YO-XX		AlGaInP	619	98	
BL-AT5Z4163UY-XX		AlGaInP	590	98	
BL-AT5Z4163UG-XX		AlGaInP	574	85	
BL-AT5Z4163PG-XX		InGaN	525	85	
BL-AT5Z4163UB-XX		InGaN	470	85	
BL-AT5Z4163UW-XX		InGaN	/	120	
BL-AT5Z3044S-XX		GaAlAs/GaAs,SH	660	49	BL-AT5Z3044 Series 
BL-AT5Z3044D-XX		GaAlAs/GaAs,DH	660	84	
BL-AT5Z3044UR-XX		GaAlAs/GaAs,DDH	660	168	
BL-AT5Z3044E-XX		GaAsP/GaP	635	35	
BL-AT5Z3044Y-XX		GaAsP/GaP	585	35	
BL-AT5Z3044G-XX		GaP/GaP	570	35	
BL-AT5Z3044UHR-XX		AlGaInP	645	168	
BL-AT5Z3044UE-XX		AlGaInP	630	98	
BL-AT5Z3044YO-XX		AlGaInP	619	98	
BL-AT5Z3044UY-XX		AlGaInP	590	98	
BL-AT5Z3044UG-XX		AlGaInP	574	85	
BL-AT5Z3044PG-XX		InGaN	525	85	
BL-AT5Z3044UB-XX		InGaN	470	85	
BL-AT5Z3044UW-XX		InGaN	/	120	

All dimensions are in millimeters (inches)
Tolerance is $\pm 0.25(0.01)$ unless otherwise note

For more, please visit <http://www.betlux.com>