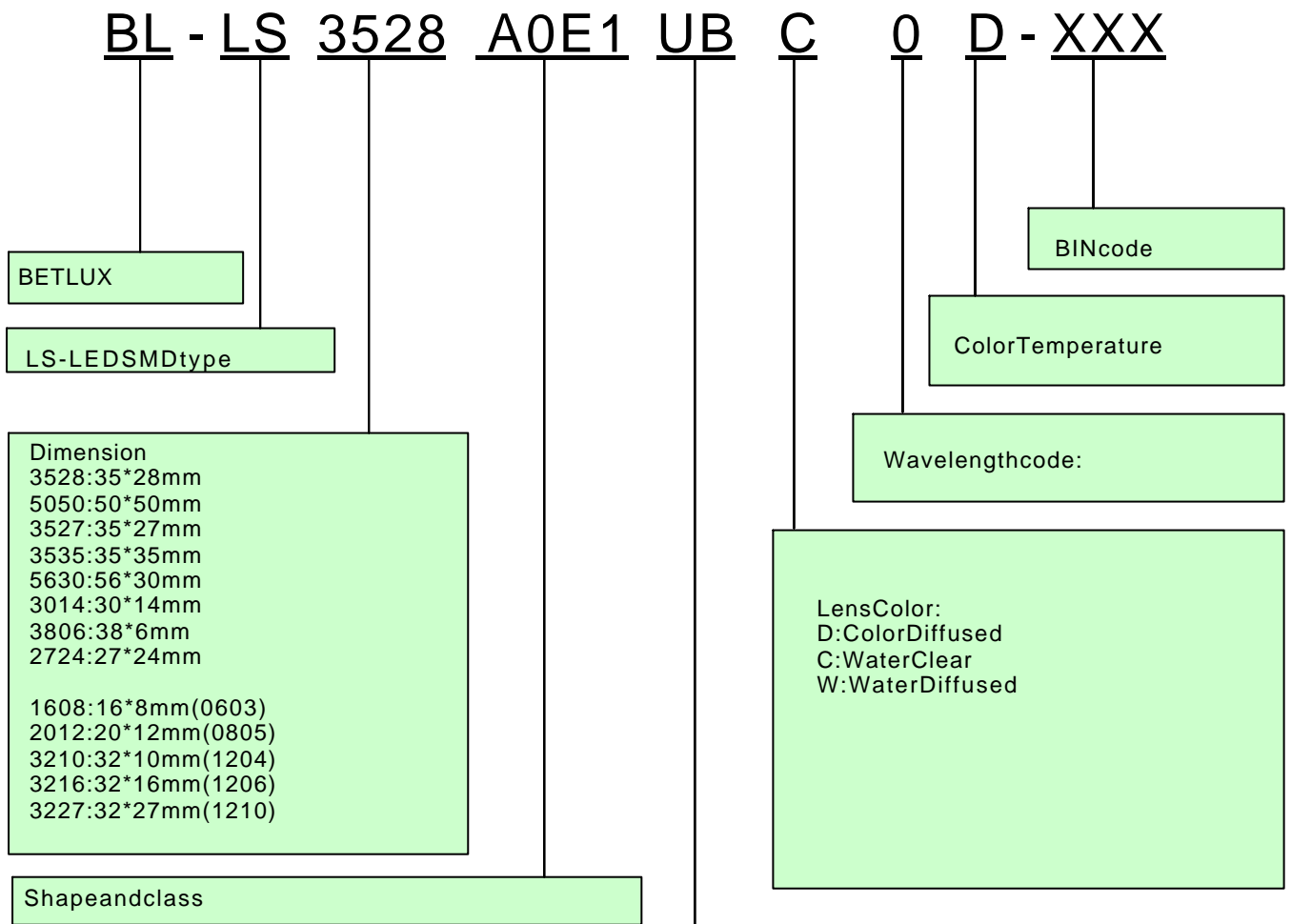


Designation system

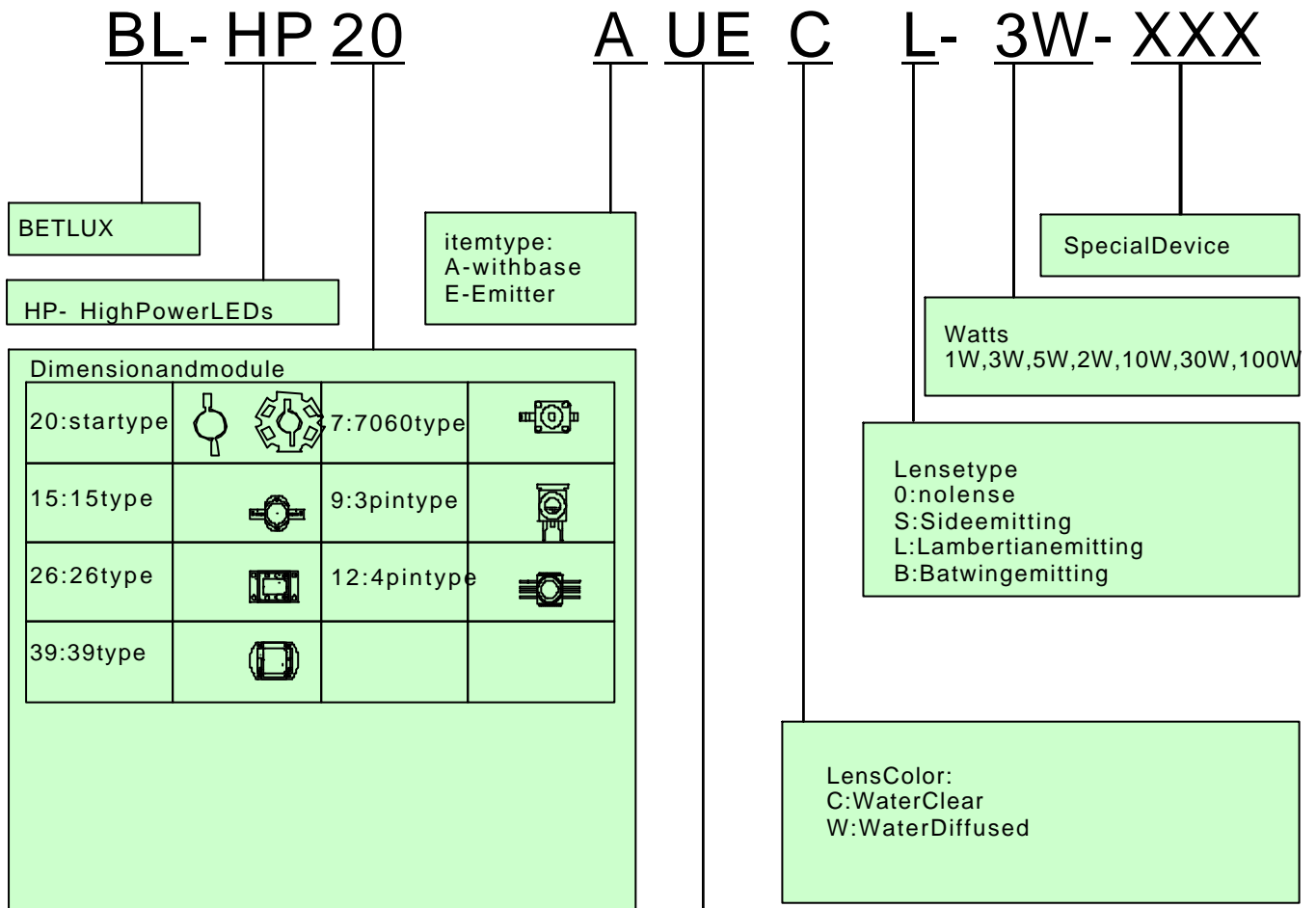
SMD LED



Code	Color	Wavelength(nm)	Material
H	Red	700	GaP
S	Hi Red	660	AlGaAs,SH
SR	Hi Red	660	AlGaAs,SH
LR	Hi Red	660	AlGaAs,DH
UR	Ultra Red	660	AlGaAs,DDH
UHR	Ultra Red	640	AlGaInP
E	Red	635	GaAsP
UE	Ultra Red	630	AlGaInP
G	Green	570	GaP
UG	Ultra Green	574	AlGaInP
PG	Ultra Pure Green	525	AlGaInP
BG	Ultra Blish Green	505	AlGaInP
Y	Yellow	585	GaAsP
UY	Ultra Yellow	590	AlGaInP
UYO	Ultra Amber	610	AlGaInP
B	Blue	460	InGaN
UB	Ultra Blue	470	InGaN
UV	violet	395	InGaN
UW	Ultra White	-	InGaN
UW	Ultra Warm White	-	InGaN
IR	Infrared	850-940	-
P	PhotoDiodes	850-940	-

Designation system

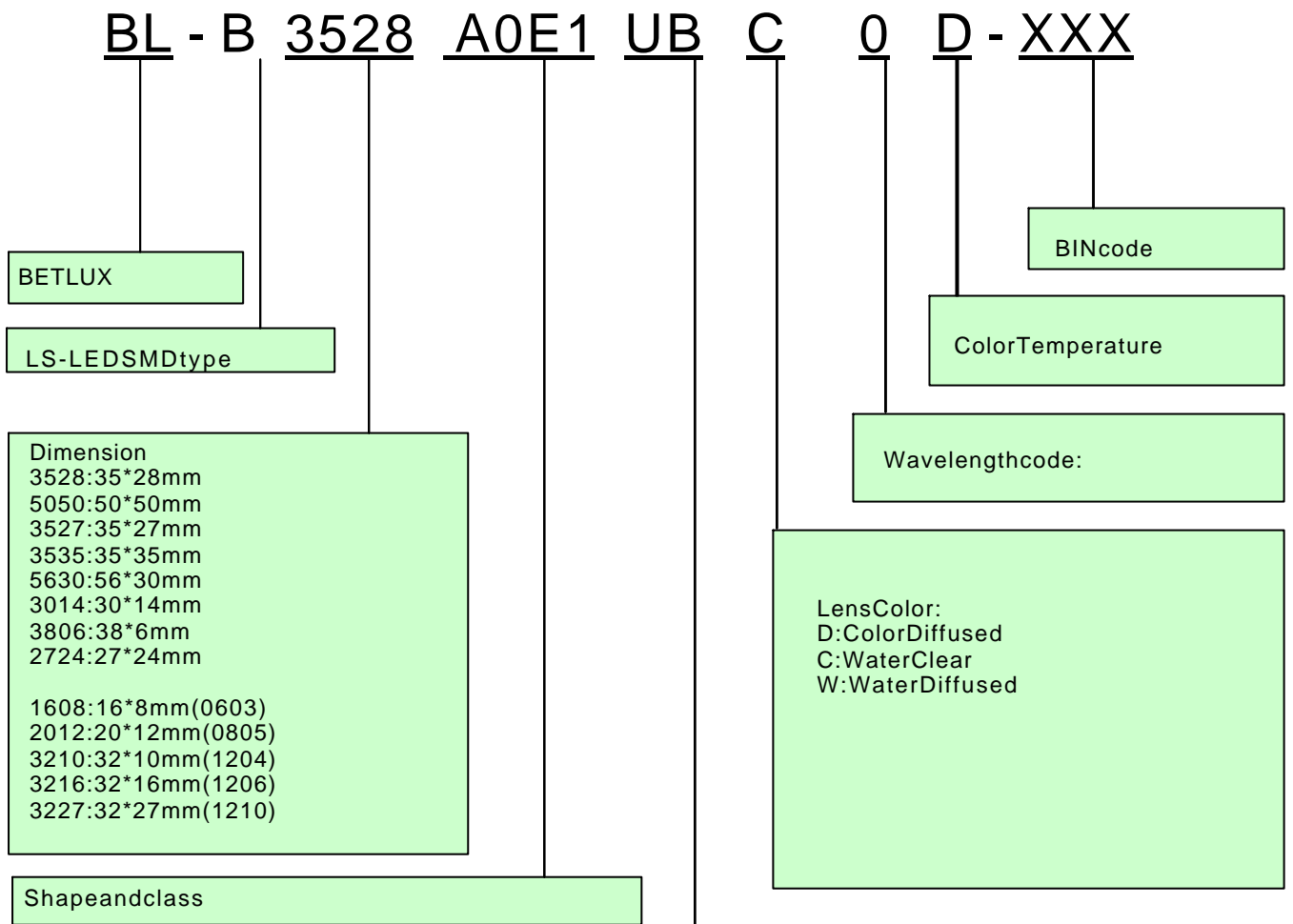
HIGH POWER LED/MCOB LED



Code	Color	Wavelength(nm)	Material
UE	Ultra Red	630	AlGaInP
PG	Ultra Pure Green	525	AlGaInP
BG	Ultra Blish Green	505	AlGaInP
UY	Ultra Yellow	590	AlGaInP
UYO	Ultra Amber	610	AlGaInP
UB	Ultra Blue	470	InGaN
UW	Ultra White	-	InGaN
UW	Ultra Warm White	-	InGaN
IR	Infrared	850-940	-
P	PhotoDiodes	850-940	-

Designation system

SMD LED



Code	Color	Wavelength(nm)	Material
H	Red	700	GaP
S	Hi Red	660	AlGaAs,SH
SR	Hi Red	660	AlGaAs,SH
LR	Hi Red	660	AlGaAs,DH
UR	Ultra Red	660	AlGaAs,DDH
UHR	Ultra Red	640	AlGaInP
E	Red	635	GaAsP
UE	Ultra Red	630	AlGaInP
G	Green	570	GaP
UG	Ultra Green	574	AlGaInP
PG	Ultra Pure Green	525	AlGaInP
BG	Ultra Blish Green	505	AlGaInP
Y	Yellow	585	GaAsP
UY	Ultra Yellow	590	AlGaInP
UYO	Ultra Amber	610	AlGaInP
B	Blue	460	InGaN
UB	Ultra Blue	470	InGaN
UV	violet	395	InGaN
UW	Ultra White	-	InGaN
UW	Ultra Warm White	-	InGaN
IR	Infrared	850-940	-
P	PhotoDiodes	850-940	-

Designation system

Seven Segment LED display









BL- S 28 A- 1 1 S-2 1- L4




BETLUX

DigitNumber:
1-Singledigit
2-Doubledigit
3-Threedigit
4-Fourdigit






ModelNumber

SpecialDevice:
-Lxx:PinLength
-B:BothSideDecimalPoint
-N:NoDecimalPoint

SS-SingedigitSMD 
 DS-DoubledigitSMD 
 S-Singledigit 
 D-Doubledigit 
 T-Threedigit 
 Q-FourdigitandOver 
 SE-Largesegment 
 SC-SingledigitCustomized 

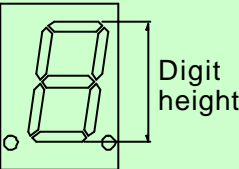
DriveMode		
A.C.E.G.I.K. M.O.Q.S.U.W	Common Cathode	
B.D.F.H.J.L. N.P.R.T.V.X	Common Anode	
Z	Universal	

SegmentEpoxyColor:








0-WaterClear	
1-WhiteDiffused	
2-RedDiffused	
3-GreenDiffused	
4-YellowDiffused	
5-BlueDiffused	

DigitCharacterHeight: 180-1.80" Maybetwosymbols

25-0.25"	52-0.52"	400-4.0"
28-0.28"	54-0.54"	500-5.0"
30-0.30"	56-0.56"	600-6.0"
31-0.31"	60-0.60"	700-7.0"
32-0.32"	80-0.80"	800-8.0"
36-0.36"	100-1.0"	1000-10"
39-0.39"	120-1.2"	1200-12"
40-0.40"	150-1.5"	2000-20"
42-0.42"	180-1.8"	
44-0.44"	200-2.0"	
48-0.48"	230-2.3"	
50-0.50"	300-3.0"	



ReflectorSurfaceColor:

0-WhiteSurface	
1-BlackSurface	
2-GraySurface	
3-RedSurface	
4-GreenSurface	
5-YellowSurface	
6-BlueSurface	

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

Designation system

Wsmart LED display









BL- W 28 A- 1 1 S-2 1- L4




BETLUX







DigitNumber:
1-Singledigit
2-Doubledigit
3-Threedigit
4-Fourdigit

ModelNumber

SpecialDevice:
-Lxx:PinLength
-B:BothSideDecimalPoint
-N:NoDecimalPoint

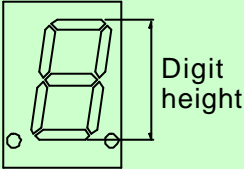
SS-SingedigitSMD 
 DS-DoubledigitSMD 
 S-Singledigit 
 D-Doubledigit 
 T-Threedigit 
 Q-FourdigitandOver 
 SE-Largesegment 
 SC-SingledigitCustomized 








DriveMode		
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	

SegmentEpoxyColor:	
0-WaterClear	
1-WhiteDiffused	
2-RedDiffused	
3-GreenDiffused	
4-YellowDiffused	
5-BlueDiffused	

DigitCharacterHeight: 180-1.80" Maybetwosymbols

25-0.25"	52-0.52"	400-4.0"
28-0.28"	54-0.54"	500-5.0"
30-0.30"	56-0.56"	600-6.0"
31-0.31"	60-0.60"	700-7.0"
32-0.32"	80-0.80"	800-8.0"
36-0.36"	100-1.0"	1000-10"
39-0.39"	120-1.2"	1200-12"
40-0.40"	150-1.5"	2000-20"
42-0.42"	180-1.8"	
44-0.44"	200-2.0"	
48-0.48"	230-2.3"	
50-0.50"	300-3.0"	



ReflectorSurfaceColor:	
0-WhiteSurface	
1-BlackSurface	
2-GraySurface	
3-RedSurface	
4-GreenSurface	
5-YellowSurface	
6-BlueSurface	

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

Designation system

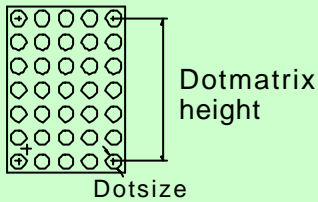
Dot Matrix LED Display

BL- M 07 A 88 1 S- 2 1- L4

BETLUX

M-DotMatrix

DotHeightanddotsize:
 07:0.7" 1.9mmdot 20:2.0" 5mmdot
 12:1.2" 3.0mmdot 23:2.3" 5mmdot
 14:1.4" 3.0mmdot 30:3.0" 7.62mmdot
 15"1.5" 3.7mmdot 40:4.0" 10mmdot
 19:1.9" 4.8mmdot 46:4.6" 10mmdot



ModelNumber

ColumnNumberandRowNumber
 57: 5*7
 88: 8*8
 67: 6*7
 58: 5*8
 59: 5*9
 FF:16*16

SpecialDevice:
 -Lxx:PinLength

DotEpoxyColor:

0-WaterClear	
1-WhiteDiffused	
2-RedDiffused	
3-GreenDiffused	
4-YellowDiffused	
5-BlueDiffused	

DriveMode

A.C.E.G.I.K. M.O.Q.S.U.W	RowCathode,ColumnAnode	
B.D.F.H.J.L. N.P.R.T.V.X	RowAnode,ColumnCathode	

ReflectorSurfaceColor:

0-WhiteSurface	
1-BlackSurface	
2-GraySurface	
3-RedSurface	
4-GreenSurface	
5-YellowSurface	
6-BlueSurface	

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

Designation system



LED bar graph display


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


BETLUX


A-Arraygraphdisplay

DisplayAreaShape:

R-Rectangular  




S-Square 

C-Circle 

T-Other 

DisplayAreaNumber


DriveMode

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	

ReflectorLengthandReflectorWidth


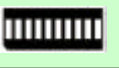
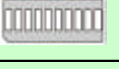

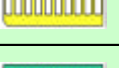
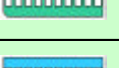
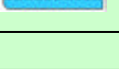
SpecialDevice:
-Lxx:PinLength

BarEpoxyColor:

0-WaterClear	
1-WhiteDiffused	
2-RedDiffused	
3-GreenDiffused	
4-YellowDiffused	
5-BlueDiffused	

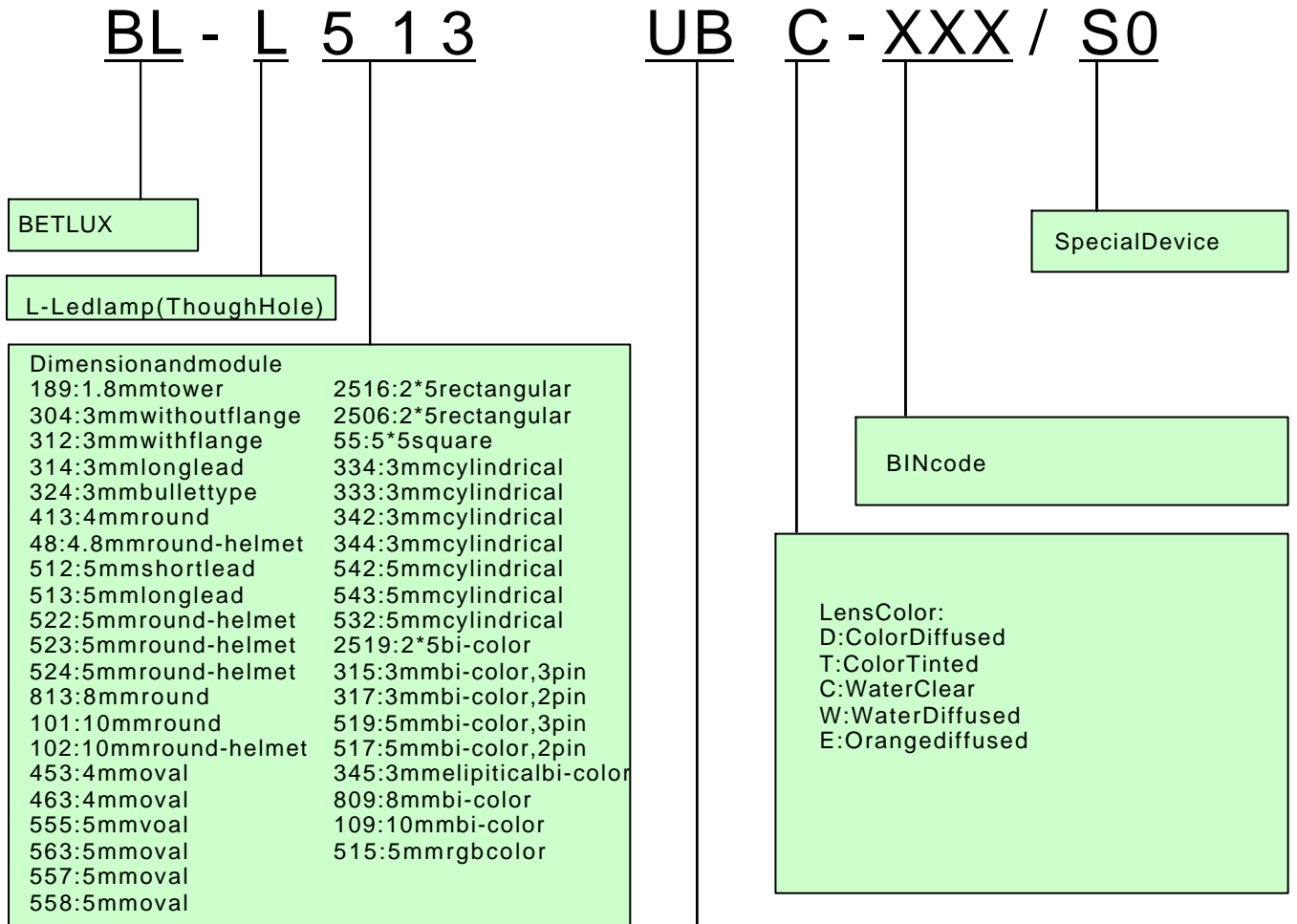
Code	Color	Wavelength(nm)	Material
H	Red	700	GaP
S	Hi Red	660	AlGaAs,SH
UR	Ultra Red	660	AlGaAs,DDH
U-R	Ultra Red	640	AlGaInP
E	Red	635	GaAsP
UE	Ultra Red	630	AlGaInP
G	Green	570	GaP
UG	Ultra Green	574	AlGaInP
PG	Ultra Pure Green	525	AlGaInP
Y	Yellow	585	GaAsP
UY	Ultra Yellow	590	AlGaInP
UYO	Ultra Amber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

ReflectorSurfaceColor:

0-WhiteSurface	
1-BlackSurface	
2-GraySurface	
3-RedSurface	
4-GreenSurface	
5-YellowSurface	
6-BlueSurface	

Designation system

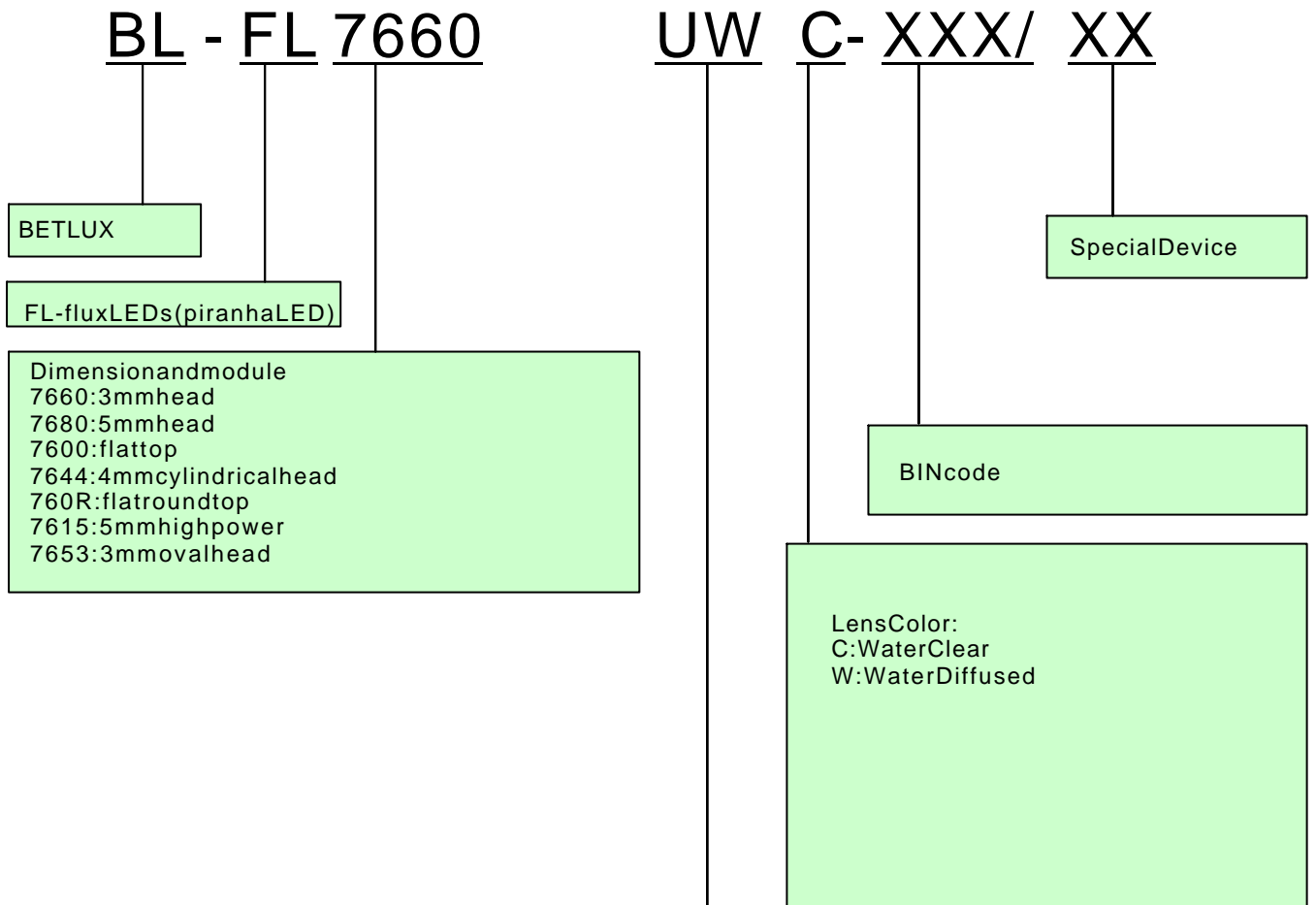
Through-hole LEDs



Code	Color	Wavelength(nm)	Material
H	Red	700	GaP
S	Hi Red	660	AlGaAs,SH
SR	Hi Red	660	AlGaAs,SH
LR	Hi Red	660	AlGaAs,DH
UR	Ultra Red	660	AlGaAs,DDH
UHR	Ultra Red	640	AlGaInP
E	Red	635	GaAsP
UE	Ultra Red	630	AlGaInP
G	Green	570	GaP
UG	Ultra Green	574	AlGaInP
PG	Ultra Pure Green	525	AlGaInP
BG	Ultra Blish Green	505	AlGaInP
Y	Yellow	585	GaAsP
UY	Ultra Yellow	590	AlGaInP
UYO	Ultra Amber	610	AlGaInP
B	Blue	460	InGaN
UB	Ultra Blue	470	InGaN
UV	violet	395	InGaN
UW	Ultra White	-	InGaN
UW	Ultra Warm White	-	InGaN
IR	Infrared	850-940	-
P	PhotoDiodes	850-940	-

Designation system

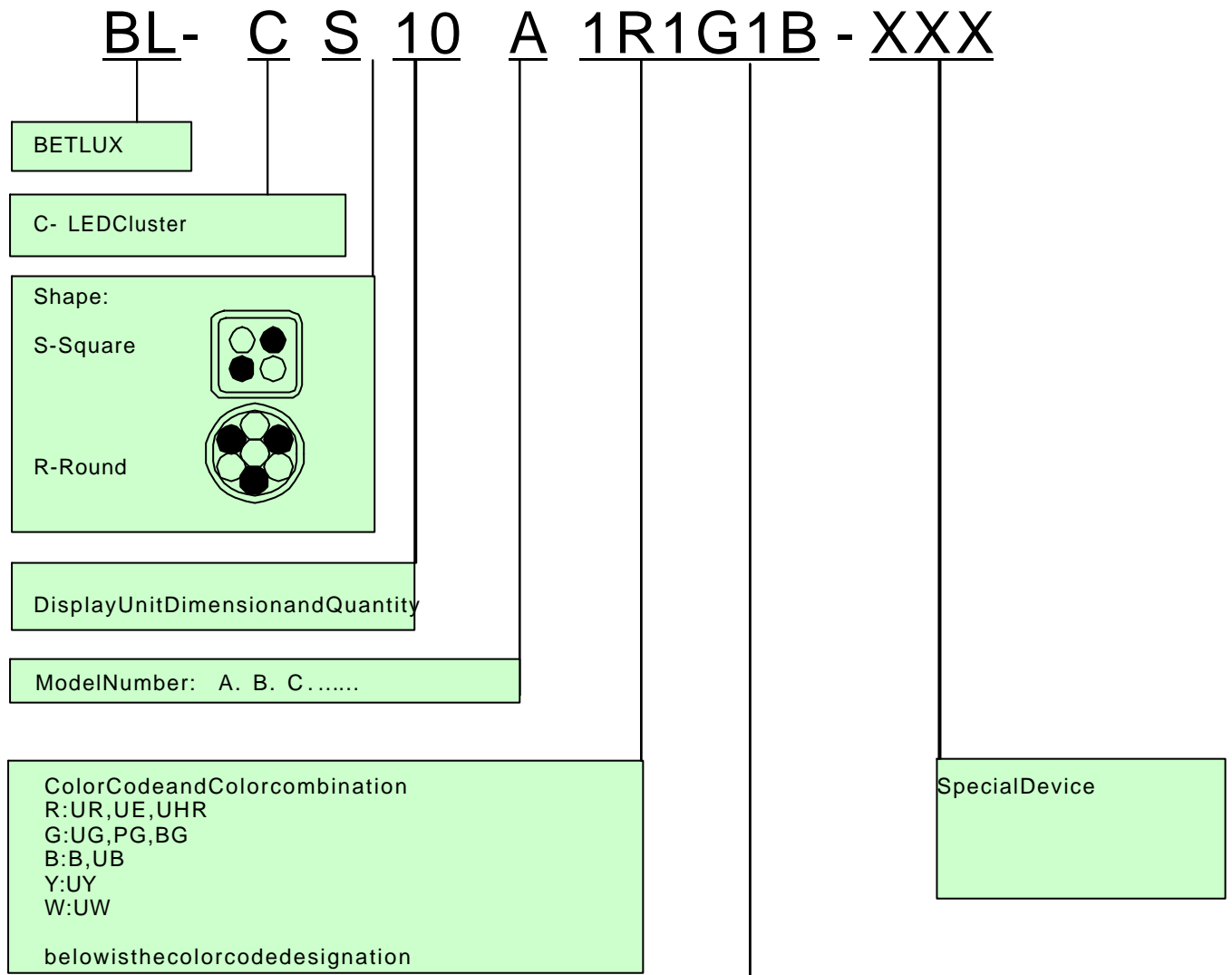
Super Flux LEDs



Code	Color	Wavelength(nm)	Material
H	Red	700	GaP
S	Hi Red	660	AlGaAs,SH
SR	Hi Red	660	AlGaAs,SH
LR	Hi Red	660	AlGaAs,DH
UR	Ultra Red	660	AlGaAs,DDH
UHR	Ultra Red	640	AlGaInP
E	Red	635	GaAsP
UE	Ultra Red	630	AlGaInP
G	Green	570	GaP
UG	Ultra Green	574	AlGaInP
PG	Ultra Pure Green	525	AlGaInP
BG	Ultra Bluish Green	505	AlGaInP
Y	Yellow	585	GaAsP
UY	Ultra Yellow	590	AlGaInP
UYO	Ultra Amber	610	AlGaInP
B	Blue	460	InGaN
UB	Ultra Blue	470	InGaN
UV	violet	395	InGaN
UW	Ultra White	-	InGaN
UW	Ultra Warm White	-	InGaN
IR	Infrared	850-940	-
P	PhotoDiodes	850-940	-

Designation system

LED Cluster



Code	Color	Wave length(nm)	Material
UR	Ultra Red	660	AlGaAs,DDH
UHR	Ultra Red	640	AlGaInP
UE	Ultra Red	630	AlGaInP
UG	Ultra Green	574	AlGaInP
PG	Ultra Pure Green	525	AlGaInP
BG	Ultra Blish Green	505	AlGaInP
UY	Ultra Yellow	590	AlGaInP
UYO	Ultra Amber	610	AlGaInP
B	Blue	460	InGaN
UB	Ultra Blue	470	InGaN
UW	Ultra White	-	InGaN
UW	Ultra Warm White	-	InGaN