

Kingbright



Optoelectronic Components

2025-2027

SMD DISPLAY

Kingbright SMD display products are available in both 7-segment and alphanumeric in various font sizes and colors. SMD displays are commonly used in healthcare, consumer electronics, industrial and handheld electronic devices that require character and text displays.

Through-Hole Display

Through-hole displays have been a widely adopted solution for message displaying and status level indication. Kingbright's options for through-hole displays include 7-segment, dot-matrix, light bar, and bar graph. With a variety of sizes and color selections available in each option, Kingbright through-hole displays are able to fulfill various design needs.



35 /
7-Segment
SMD Display

38 /
Alphanumeric
SMD Display

39 /
Single Digit 7-Segment
Through-Hole Display

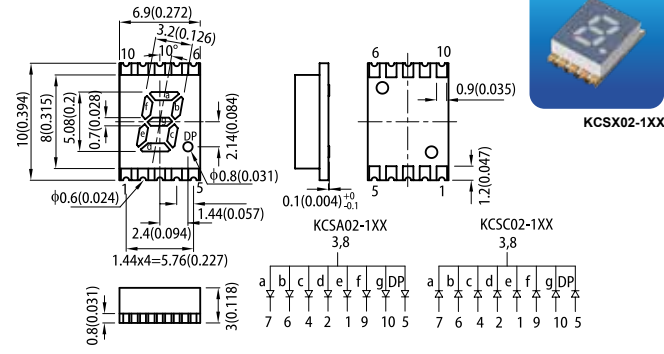
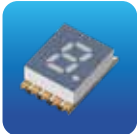
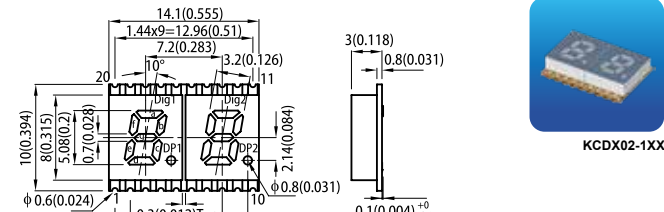

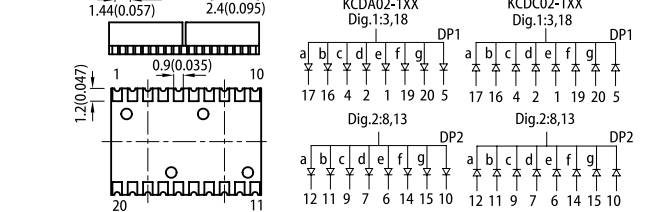
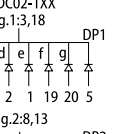
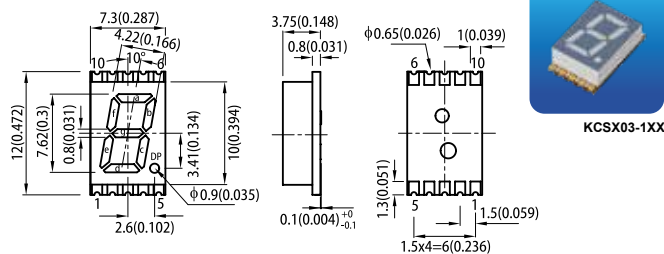

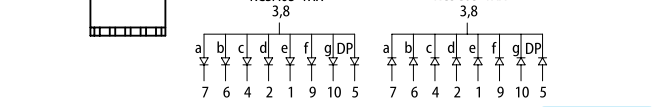

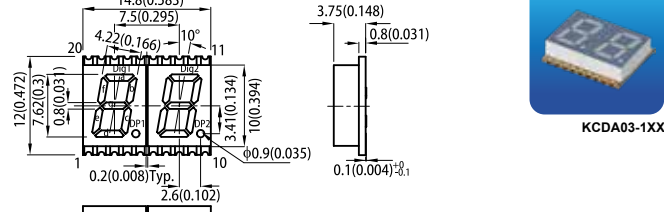

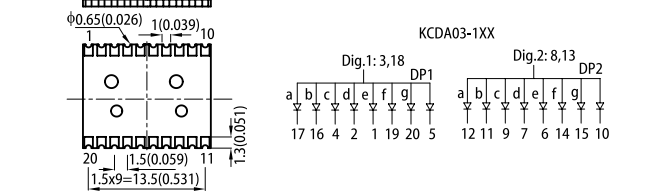
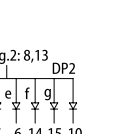
41 /
Dual Digit 7-Segment
Through-Hole Display

41 /
Dot Matrix

41 /
Bar Graph Array


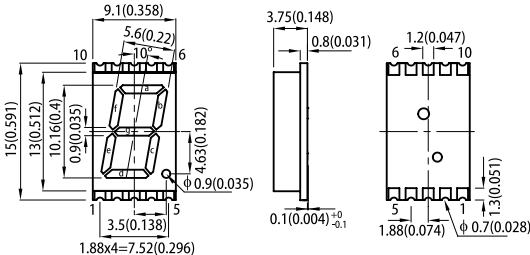

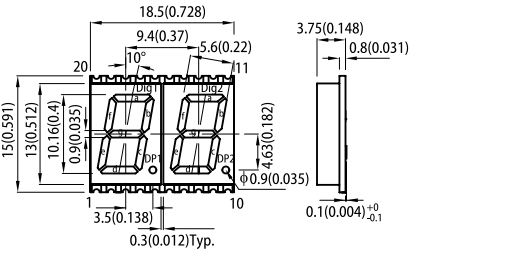
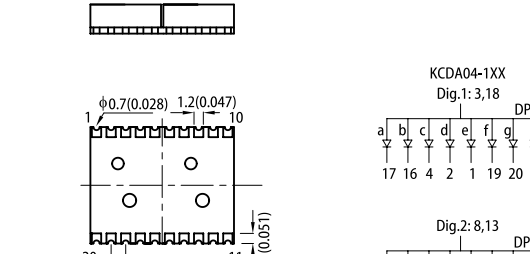
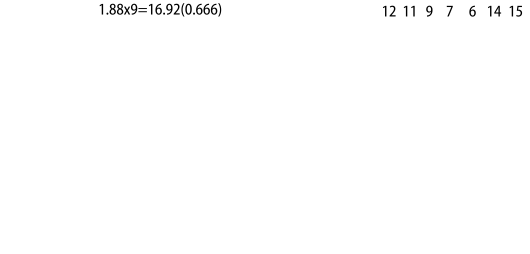
42 /
Light Bar

7-SEGMENT SMD DISPLAY

Part Number		Material	λ D (nm)	Iv (ucd) @10mA		Dimensions
Common Anode	Common Cathode			Min.	Typ.	
KCSA02-105 KCDA02-105	KCSC02-105 KCDC02-105	AlGaInP	● 630	3600	8100	0.2 inch (5.08mm), Gray Face, White Segment   <p>KCSX02-1XX</p>
KCDA02-107	/	AlGaInP	● 590	5600	15000	  <p>KCDX02-1XX</p>
KCSA02-123 KCDA02-123	KCSC02-123 KCDC02-123	AlGaInP	● 570	2200	4300	  <p>KCDC02-1XX</p>
KCSA03-105 KCDA03-105	KCSC03-105	AlGaInP	● 630	3600	6400	0.3 inch (7.62mm), Gray Face, White Segment   <p>KCSX03-1XX</p>
KCSA03-106 KCDA03-106	KCSC03-106	AlGaInP	● 605	5600	11000	  <p>KCDA03-1XX</p>
KCSA03-107	/	AlGaInP	● 590	5600	13000	  <p>KCDA03-1XX</p>
KCSA03-123 KCDA03-123	KCSC03-123	AlGaInP	● 570	1400	3100	  <p>KCDA03-1XX</p>

NOTES:
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE 127-2007 standards.


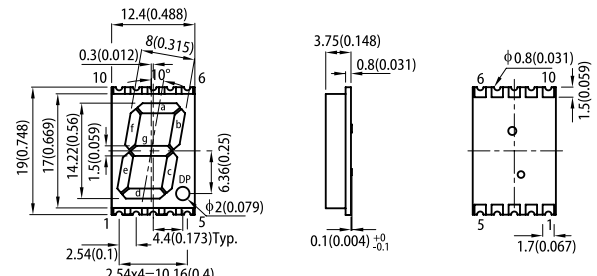
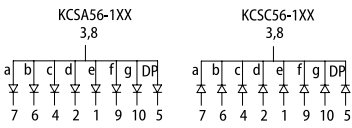

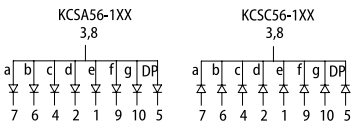

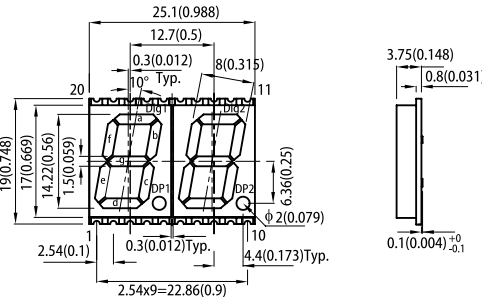
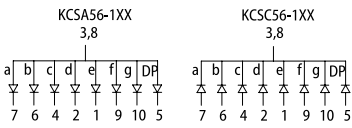
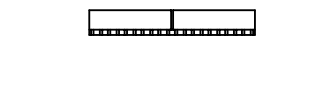
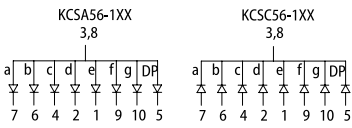
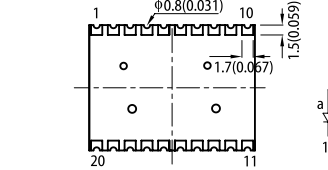
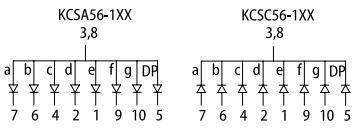
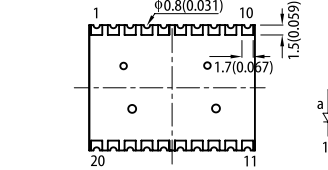
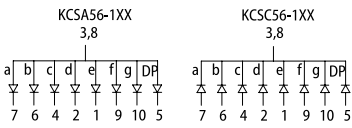
7-SEGMENT SMD DISPLAY

Part Number		Material	λ, D (nm)	Iv (ucd) @10mA		Dimensions
Common Anode	Common Cathode			Min.	Typ.	
KCSA04-105 KCDA04-105	KCSC04-105	AlGaInP	● 630	9000	20000	<p>0.4 inch (10.16mm), Gray Face, White Segment</p>  <p>KCSX04-1XX</p>  <p>1.88x4=7.52(0.296)</p> <p>KCSA04-1XX 3.8 a b c d e f g DP 7 6 4 2 1 9 10 5</p> <p>KCSC04-1XX 3.8 a b c d e f g DP 7 6 4 2 1 9 10 5</p>
KCSA04-106 KCDA04-106	KCSC04-106	AlGaInP	● 605	9000	15000	 <p>KCDA04-1XX</p>  <p>1.88x9=16.92(0.666)</p> <p>KCSA04-1XX 3.8 a b c d e f g DP 7 6 4 2 1 9 10 5</p> <p>KCSC04-1XX 3.8 a b c d e f g DP 7 6 4 2 1 9 10 5</p>
KCSA04-107	/	AlGaInP	● 590	9000	23000	 <p>1.88x9=16.92(0.666)</p> <p>KCSA04-1XX 3.8 a b c d e f g DP 7 6 4 2 1 9 10 5</p> <p>KCSC04-1XX 3.8 a b c d e f g DP 7 6 4 2 1 9 10 5</p>
KCSA04-123 KCDA04-123	KCSC04-123	AlGaInP	● 570	2200	4100	 <p>1.88x9=16.92(0.666)</p> <p>KCSA04-1XX 3.8 a b c d e f g DP 7 6 4 2 1 9 10 5</p> <p>KCSC04-1XX 3.8 a b c d e f g DP 7 6 4 2 1 9 10 5</p>

NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

7-SEGMENT SMD DISPLAY

Part Number		Material	λ D (nm)	Iv (ucd) @10mA		Dimensions
Common Anode	Common Cathode			Min.	Typ.	
KCSA56-105 KCDA56-105	KCSC56-105	AlGaInP	630	14000	29000	<p>0.56 inch (14.22mm), Gray Face, White Segment</p>  <p>KCSX56-1XX</p>  
KCSA56-106	KCSC56-106	AlGaInP	605	14000	23000	 
KCSA56-107	KCSC56-107	AlGaInP	590	14000	29000	 <p>KCDA56-1XX</p>  
KCSA56-123 KCDA56-123	KCSC56-123	AlGaInP	570	2200	4600	 
KCSA56-123 KCDA56-123	KCSC56-123	AlGaInP	570	2200	4600	 
KCDA56-131	KCSC56-131	InGaN	465	5600	15000	 

NOTES:

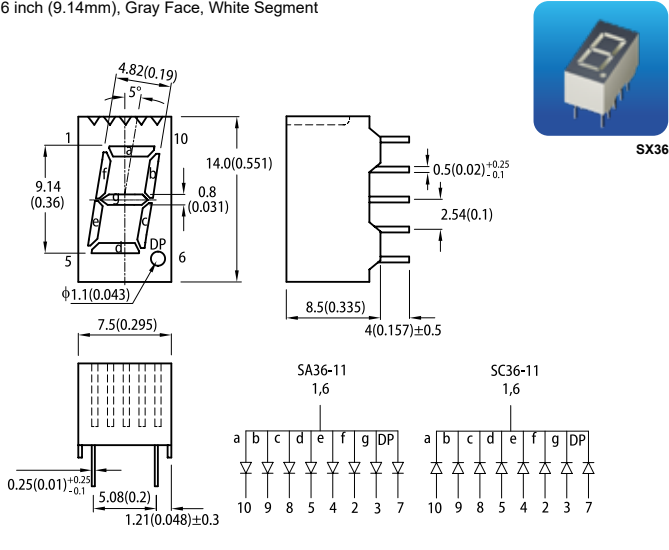
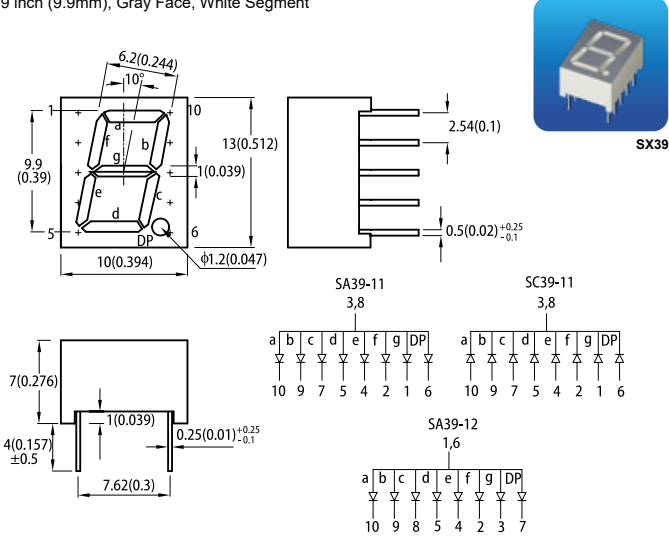
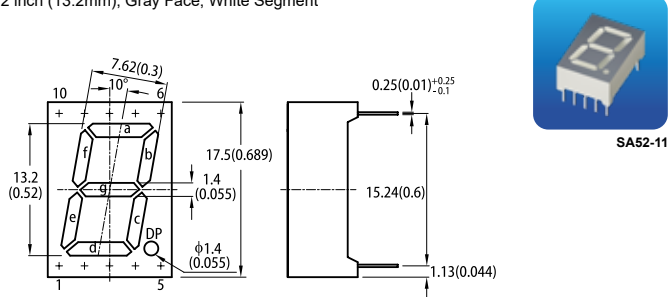
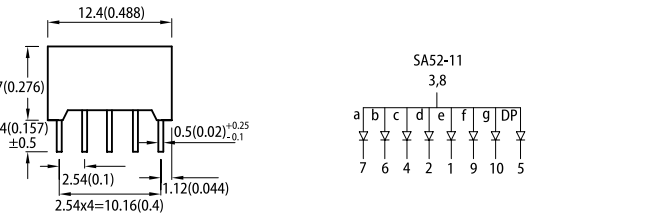
- All dimensions are in millimeters (inches).
- Tolerance is ±0.25mm (0.01") unless otherwise noted.
- Luminous intensity value is traceable to CIE127-2007 standards.

ALPHANUMERIC SMD DISPLAY

Part Number		Material	λ, D (nm)	Iv (ucd) @10mA		Dimensions
Common Anode	Common Cathode			Min.	Typ.	
KCPSA04-105 KCPDA04-105	KCPSC04-105	AlGaInP	● 630	3600	8300	<p>0.4 inch (10.16mm), Gray Face, White Segment</p> <p>KCPSA04-1XX KCPSC04-1XX</p>
/	KCPSC04-106	AlGaInP	● 605	5600	13000	<p>KCPSC04-1XX</p>
KCPSA04-107	/	AlGaInP	● 590	5600	12000	<p>KCPSA04-1XX KCPDA04-1XX</p>
/	KCPDC04-123	AlGaInP	● 570	1400	3100	<p>KCPDC04-1XX</p>

- NOTES:
1. All dimensions are in millimeters(inches).
 2. Tolerance is $\pm 0.25\text{mm}(0.01")$ unless otherwise noted.
 3. Luminous intensity value is traceable to CIE127-2007 standards.

SINGLE DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	λ, D (nm)	Iv (ucd) @10mA		Dimensions
Common Anode	Common Cathode			Min.	Typ.	
SA36-11SURKWA	SC36-11SURKWA	AlGalnP	630	3600	9000	0.36 inch (9.14mm), Gray Face, White Segment 
SA36-11SEKWA	/	AlGalnP	605	5600	14000	
SA36-11CGKWA	SC36-11CGKWA	AlGalnP	570	1400	3700	
SA39-11SURKWA SA39-12SURKWA	SC39-11SURKWA	AlGalnP	630	5600	12000	0.39 inch (9.9mm), Gray Face, White Segment 
SA52-11SURKWA	/	AlGalnP	630	14000	32000	0.52 inch (13.2mm), Gray Face, White Segment 
SA52-11SEKWA	/	AlGalnP	605	21000	48000	

NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

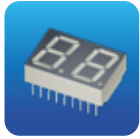
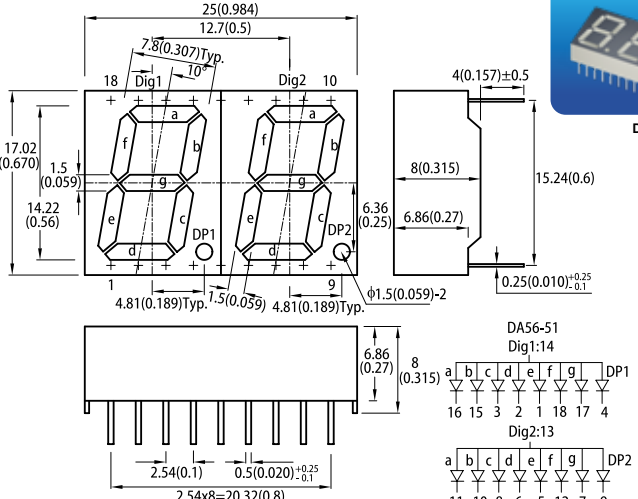
SINGLE DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	λ , D (nm)	Iv (ucd) @10mA		Dimensions
Common Anode	Common Cathode			Min.	Typ.	
SA56-11SURKWA SA56-21SURKWA	SC56-11SURKWA SC56-21SURKWA	AlGaInP	630	14000	27000	<p>0.56 inch (14.2mm), Gray Face, White Segment</p> <p>SA/SC56-11, SA/SC56-21</p> <p>SX56</p>
/	SC56-11SYKWA SC56-21SYKWA	AlGaInP	590	21000	48000	<p>SA56-11,21, SC56-11,21</p>
SA56-11CGKWA	SC56-11CGKWA	AlGaInP	570	5600	12000	<p>SA56-11,21, SC56-11,21</p>
SA08-11SURKWA	SC08-11SURKWA	AlGaInP	630	9000	19000	<p>0.8 inch (20.32mm), Gray Face, White Segment</p> <p>SA08-11, SC08-11</p> <p>SX08</p>
/	SC08-11SYKWA	AlGaInP	590	9000	18000	<p>SA08-11, SC08-11</p>
SA08-11CGKWA	/	AlGaInP	570	3600	8700	<p>SA08-11, SC08-11</p> <p>Pin 6 no Chip 7, 8, 15 no Pin</p>
SA10-21SURKWA	/	AlGaInP	630	31000	70000	<p>1.0 inch (25.4mm), Gray Face, White Segment</p> <p>SA10-21</p>
SA10-21CGKWA	/	AlGaInP	570	14000	33000	<p>SA10-21</p>

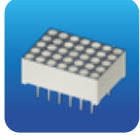
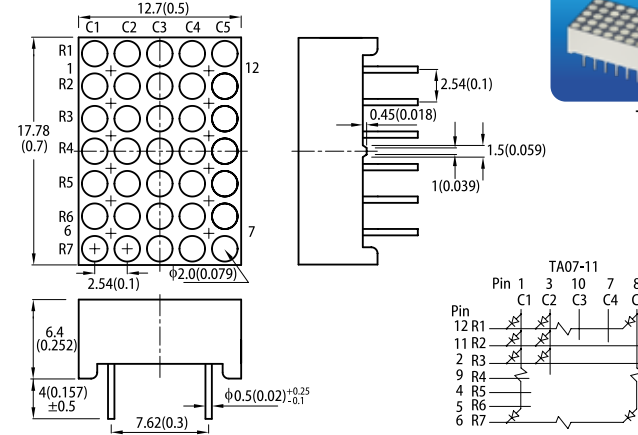
NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.01")$ unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.


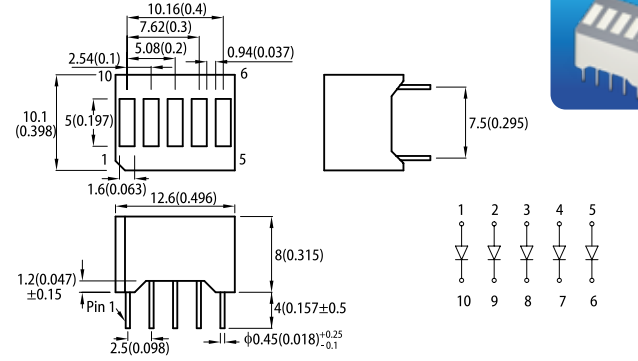
DUAL DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	λ D (nm)	Iv (ucd) @10mA		Dimensions
Common Anode	Common Cathode			Min.	Typ.	
DA56-51SURKWA	/	AlGaInP	630	14000	30000	<p>0.56 inch (14.22mm), Gray Face, White Segment</p>  <p>DA56-51</p> 

DOT MATRIX

Part Number		Material	λ D (nm)	Iv (ucd) @10mA		Dimensions
Column Anode	Column Cathode			Min.	Typ.	
TA07-11SURKWA	/	AlGaInP	630	14000	24000	<p>0.7 inch (18mm), 5x7, Gray Face, White Dot</p>  <p>TA07-11</p> 

BAR GRAPH ARRAY

Part Number	Material	λ D (nm)	Iv (ucd) @10mA		Dimensions
			Min.	Typ.	
DC-05YWA	GaAsP/GaP	588	900	2400	<p>5 Segments, Bar Graph Array, Gray Face, White Segment</p>  <p>DC-05</p> 
DC-05GWA	GaP	568	1400	4000	

NOTES:

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- Luminous intensity value is traceable to CIE 127-2007 standards.

BAR GRAPH ARRAY

Part Number	Material	λ_D (nm)	Iv (ucd) @10mA		Dimensions
			Min.	Typ.	
DC-10SURKWA	AlGaInP	630	9000	25000	10 Segments, Bar Graph Array, Gray Face, White Segment
DC-10SYKWA	AlGaInP	590	9000	21000	
DC-10CGKWA	AlGaInP	570	3600	8000	

LIGHT BAR

Part Number	Material	λ_D (nm)	Lens Type	Iv (mcd) @20mA		Viewing Angle 2 θ /2	Dimensions
				Min.	Typ.		
L-1043SURDTK	AlGaInP	630	red diffused	30	60	140°	3.65mm x 6.15mm
L-1043SYDTK	AlGaInP	590	yellow diffused	80	150	140°	
L-1043CGDTK	AlGaInP	570	green diffused	8	20	140°	
DE/2SYKD	AlGaInP	590	yellow diffused	120	300	/	7.5mm x 14mm
DF-3SURKD	AlGaInP	630	red diffused	80	160	/	
DF-3CGKD	AlGaInP	570	green diffused	55	94	/	

NOTES:

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2. Tolerance is $\pm 0.25\text{mm}$ ($0.01''$) unless otherwise noted.
3. Luminous intensity value is traceable to CIE127-2007 standards.

LIGHT BAR

Part Number	Material	λ_D (nm)	Lens Type	Iv (mcd) @20mA		Dimensions
				Min.	Typ.	
DE/4SURKD	AlGaInP	630	red diffused	120	250	15mm x 15mm
DE/4SYKD	AlGaInP	590	yellow diffused	120	250	
DE/4CGKD	AlGaInP	570	green diffused	40	77	
KB-A100SURKW	AlGaInP	630	white diffused	40	75	8.89mm x 3.81mm Size of Light Emitting Areas
KB-2400SYKW	AlGaInP	590	white diffused	40	80	
KB-B100SURKW	AlGaInP	630	white diffused	55	100	
KB-2755SYKW	AlGaInP	590	white diffused	80	220	8.89mm x 8.89mm Size of Light Emitting Areas
KB-2855CGKD	AlGaInP	570	green diffused	20	48	
KB-2700SYKW	AlGaInP	590	white diffused	55	120	

NOTES:
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 3. Luminous intensity value is traceable to CIE 127-2007 standards.