




i-Catcher

LED Price Displays


Features

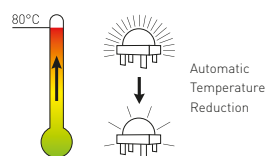
Life Span	> 80.000 hours*
Input Voltage	100 - 132 VAC / 180 - 254 VAC (by switch)
Operating Temperature	-20 °C to +50 °C**
Storage Temperature	-40 °C to +85 °C
Housing Material	Aluminium
Font	7 segment, multi segment and full graphics
Display height	170 - 688 mm
Display depth	55 mm
LED driving	<= 20 mA constant current
Protection	Based on LED temperature
Safety class	III
Ambient Light Control	Average calculation per side, software adjustable (66 steps)
IP rating	Fully coated, moisture protected
Warranty	3 years
Approval	CE, RoHS

Benefits

- + High readability in direct sunlight
- + Uses most advanced LED technology
- + Constant current driven (@20mA max)
- + Simple, reliable and easy installation in new or existing signs
- + 7 segment, multi segment or full graphics
- + 3 year standard warranty
- + Elliptical viewing angle (vertical wide 100°, 40° horizontal)
- + Protected by Bever Innovations Active Overheating Protection (AOP) 
- + Wide support on POS protocols (e.g. Tokheim, S&B, Dresser Wayne, EIN, IFSF LON)
- + Optional: emergency control, RF link, remote feedback, IP connection
- + Optional: automatic sign fan and light switch
- + Optional: protection against moisture for optimal performance in harsh environments (fully coated)

* Based on RD05 LED @ 25°C

** Active Overheat Protection above 80 °C at PCB 

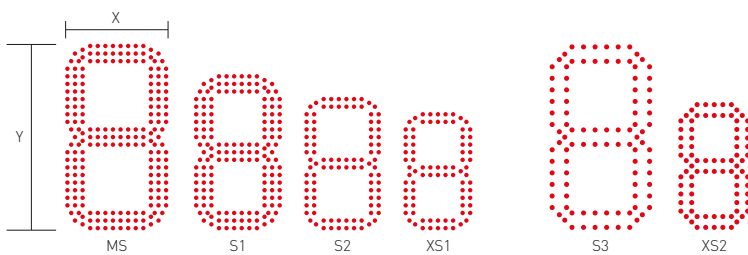


Multi-segment



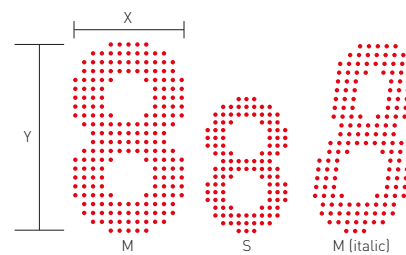
Multi segment digit type:											
	L1	L2	ML	M1	M2	S1	S2	S	XS	XXS	XXXS
Y (mm)	576	576	408	336	336	238	238	200	168	120	90
X (mm)	270	270	204	160	160	126	126	100	84	60	40
Pitch (mm)	18	18	17	16	16	14	14	12,5	12	10	10
LEDs #	360	288	213	177	130	144	108	98	84	70	29

7-segment



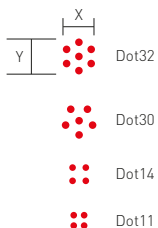
7segment digit type:						
	MS	S1	S2	XS1	XS2	S3
Y (mm)	288	240	204	180	170	250
X (mm)	156	132	114	102	92,5	135
Pitch (mm)	16	12	12	12	11,9	16
LEDs #	202	160	98	84	84	98

Full graphic



Full graphic digit type:			
	M	S	M (italic)
Y (mm)	336	238	336
X (mm)	192	140	160
Pitch (mm)	16	14	16
LEDs #	286	198	242

Digit type dot details



Digit type multi segment:				
	Dot32	Dot30	Dot14	Dot11
Y (mm)	30	28,5	14	11
X (mm)	26	27,1	14	11
Pitch (mm)	15	15	14	11
LEDs #	7	6	4	4

LED display specification

Type	Brand	Viewing angle	Colour	Dominant Wavelength	Intensity	AOP start**	AOP LED off	Life span	Technology
RD05	AVAGO	40°x100°	Red	626 nm	2400 mcd	80°C	85°C	>80.000 h	SMD Hybrid
GN04	AVAGO	40°x100°	Green	525 nm	3970 mcd	60°C	85°C	>60.000 h	SMD Hybrid
YE04	AVAGO	40°x100°	Yellow	590 nm	2400 mcd	80°C	85°C	>80.000 h	SMD Hybrid
WH05	Nichia	65° x 65°	White	-	2300 mcd	65°C	85°C	>60.000 h	HMT
SWH01	AVAGO	45° x 45°	White	-	2240 mcd	65°C	85°C	>60.000 h	SMD

** Active Overheating Protection (AOP) protects your system by automatically derating the LED current based on continuous temperature measurements near the LEDs.

