



NORMAN LAMPS, INC.






MINIATURE LED CATALOG



Miniature Based LED Lamps








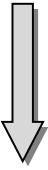
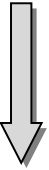
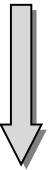
Norman Lamps, Inc.

LENGTH: 15.7mm Single Chip Diode	LENGTH: 15.3mm Single Chip Diode	LENGTH: 20.6mm Single Chip Diode	LENGTH: 18.5mm Single Chip Diode	<h2>T-1$\frac{3}{4}$ LED Lamps</h2> <p>Solid State, Midget Based LED Lamps</p> <ul style="list-style-type: none"> 100,000 Hours Ultra-Bright Output 120° Viewing Angle 		
GROOVE BASE	FLANGE BASE	BI-PIN BASE	WEDGE BASE	VOLTS	EMITTED COLOR	PRICE EA.
				6VDC	<i>Warm WHITE</i>	\$4.00
LED6MGWW-DC	LED6MFWW-DC	LED6BPWW-DC	LED-86-WHITE		<i>RED</i>	\$3.50
LED6MGR-DC	LED6MFR-DC	LED6BPR-DC	LED-86-RED		<i>GREEN</i>	\$3.50
LED6MGG-DC	LED6MFG-DC	LED6BPG-DC	LED-86-GREEN		<i>YELLOW</i>	\$3.50
LED6MGY-DC	LED6MFY-DC	LED6BPY-DC	LED-86-YELLOW		<i>AMBER</i>	\$3.50
LED6MGA-DC	LED6MFA-DC	LED6BPA-DC	LED-86-AMBER		<i>BLUE</i>	\$3.50
LED6MGB-DC	LED6MFB-DC	LED6BPB-DC	LED-86-BLUE			
LED12MGWW-DC	LED12MFWW-DC	LED12BPWW-DC	LED-73-WHITE	12VDC	<i>Warm WHITE</i>	\$4.00
LED12MGR-DC	LED12MFR-DC	LED12BPR-DC	LED-73-RED		<i>RED</i>	\$3.50
LED12MGG-DC	LED12MFG-DC	LED12BPG-DC	LED-73-GREEN		<i>GREEN</i>	\$3.50
LED12MGY-DC	LED12MFY-DC	LED12BPY-DC	LED-73-YELLOW		<i>YELLOW</i>	\$3.50
LED12MGA-DC	LED12MFA-DC	LED12BPA-DC	LED-73-AMBER		<i>AMBER</i>	\$3.50
LED12MGB-DC	LED12MFB-DC	LED12BPB-DC	LED-73-BLUE		<i>BLUE</i>	\$3.50
LED28MGWW-DC	LED28MFWW-DC	LED28BPWW-DC	LED-85-WHITE	28VDC	<i>Warm WHITE</i>	\$4.00
LED28MGR-DC	LED28MFR-DC	LED28BPR-DC	LED-85-RED		<i>RED</i>	\$3.50
LED28MGG-DC	LED28MFG-DC	LED28BPG-DC	LED-85-GREEN		<i>GREEN</i>	\$3.50
LED28MGY-DC	LED28MFY-DC	LED28BPY-DC	LED-85-YELLOW		<i>YELLOW</i>	\$3.50
LED28MGA-DC	LED28MFA-DC	LED28BPA-DC	LED-85-AMBER		<i>AMBER</i>	\$3.50
LED28MGB-DC	LED28MFB-DC	LED28BPB-DC	LED-85-BLUE		<i>BLUE</i>	\$3.50

Miniature Based LED Lamps





Norman Lamps, Inc.

SLIDE BASE # 1	SLIDE BASE # 2	LILIPUT BASE	SLIDE BASE # 5	VOLTS	EMITTED COLOR	PRICE EA.
LENGTH: 37.5mm Single Chip Diode T-2 	LENGTH: 39.0mm Single Chip Diode T-2 	LENGTH: 29.1mm Single Chip Diode T-1½ 	LENGTH: 25.5mm Single Chip Diode T-2 	<h2>Slide Base LED's</h2> <p>Solid State, Slide Based LED Lamps</p> <ul style="list-style-type: none"> 100,000 Hours Ultra-Bright Output 160° Viewing Angle 		
\$5.50ea.	\$5.50ea.	\$5.50ea.	LED6PSBW-ACDC LED6PSBR-ACDC LED6PSBG-ACDC LED6PSBY-ACDC LED6PSBA-ACDC LED6PSBB-ACDC	6VDC	WHITE	\$4.00
			LED6PSBR-ACDC		RED	\$4.00
			LED6PSBG-ACDC		GREEN	\$4.00
			LED6PSBY-ACDC		YELLOW	\$4.00
			LED6PSBA-ACDC		AMBER	\$4.00
			LED6PSBB-ACDC		BLUE	\$4.00
LED-12E1-W-ACDC	LED-12E2-W-ACDC	LED-T5.5-12V-W	LED12PSBW-ACDC	12VDC	WHITE	\$4.00
LED-12E1-R-ACDC	LED-12E2-R-ACDC	LED-T5.5-12V-R	LED12PSBR-ACDC		RED	\$4.00
LED-12E1-G-ACDC	LED-12E2-G-ACDC	LED-T5.5-12V-G	LED12PSBG-ACDC		GREEN	\$4.00
LED-12E1-Y-ACDC	LED-12E2-Y-ACDC	LED-T5.5-12V-Y	LED12PSBY-ACDC		YELLOW	\$4.00
LED-12E1-A-ACDC	LED-12E2-A-ACDC	LED-T5.5-12V-A	LED12PSBA-ACDC		AMBER	\$4.00
LED-12E1-B-ACDC	LED-12E2-B-ACDC	LED-T5.5-12V-B	LED12PSBB-ACDC		BLUE	\$4.00
LED-24E1-W-ACDC	LED-24E2-W-ACDC	LED-T5.5-28V-W	LED28PSBW-ACDC	28VDC	WHITE	\$4.00
LED-24E1-R-ACDC	LED-24E2-R-ACDC	LED-T5.5-28V-R	LED28PSBR-ACDC		RED	\$4.00
LED-24E1-G-ACDC	LED-24E2-G-ACDC	LED-T5.5-28V-G	LED28PSBG-ACDC		GREEN	\$4.00
LED-24E1-Y-ACDC	LED-24E2-Y-ACDC	LED-T5.5-28V-Y	LED28PSBY-ACDC		YELLOW	\$4.00
LED-24E1-A-ACDC	LED-24E2-A-ACDC	LED-T5.5-28V-A	LED28PSBA-ACDC		AMBER	\$4.00
LED-24E1-B-ACDC	LED-24E2-B-ACDC	LED-T5.5-28V-B	LED28PSBB-ACDC		BLUE	\$4.00
LED-48C1-W-ACDC	LED-48C2-W-ACDC	LED-T5.5-48V-W	LED48PSBW-ACDC	48VDC	WHITE	\$4.00
LED-48C1-R-ACDC	LED-48C2-R-ACDC	LED-T5.5-48V-R	LED48PSBR-ACDC		RED	\$4.00
LED-48C1-G-ACDC	LED-48C2-G-ACDC	LED-T5.5-48V-G	LED48PSBG-ACDC		GREEN	\$4.00
LED-48C1-Y-ACDC	LED-48C2-Y-ACDC	LED-T5.5-48V-Y	LED48PSBY-ACDC		YELLOW	\$4.00
LED-48C1-A-ACDC	LED-48C2-A-ACDC	LED-T5.5-48V-A	LED48PSBA-ACDC		AMBER	\$4.00
LED-48C1-B-ACDC	LED-48C2-B-ACDC	LED-T5.5-48V-B	LED48PSBB-ACDC		BLUE	\$4.00

Miniature Based LED Lamps



Norman Lamps, Inc.

			LENGTH: 25.5mm Single Chip Diode T-2 	<h2>Slide Base LED's</h2> <p>Solid State, slide Based LED Lamps</p> <ul style="list-style-type: none"> 100,000 Hours Ultra-Bright Output 160° Viewing Angle 
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			SLIDE BASE # 5	VOLTS	EMITTED COLOR	PRICE EA.
			LED120PSBW-ACDC	120VAC	WHITE	\$4.00
			LED120PSBR-ACDC		RED	\$4.00
			LED120PSBG-ACDC		GREEN	\$4.00
			LED120PSBY-ACDC		YELLOW	\$4.00
			LED120PSBA-ACDC		AMBER	\$4.00
			LED120PSBB-ACDC		BLUE	\$4.00

OVERALL LENGTH: 34 mm
 FLANGE DIAMETER: 20.7mm
 MOUNTING HOLE DIAMETER: 17.5mm ~ 18.5mm



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PANEL MOUNT INDICATOR LIGHT ASSEMBLY



ACCEPTS MINIATURE SLIDE BASE # 5 LED LAMPS, 6V ~ 120V

MINIATURE SLIDE BASE LED's






LAMP HOUSING #	APPROVALS	PRICE EA.
30099	UL, CSA, ROHS	\$3.75
LENS #	TYPE	PRICE EA.
L23-RED	FLUTED DOME	\$0.35
L23-GREEN	FLUTED DOME	\$0.35
L23-YELLOW	FLUTED DOME	\$0.35
L23-AMBER	FLUTED DOME	\$0.35
L23-BLUE	FLUTED DOME	\$0.35
L23-CLEAR	FLUTED DOME	\$0.35

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Miniature Based LED Lamps



Norman Lamps, Inc.

ROUND WEDGE	WEDGE BASE	MINI-SCREW	MINI-BAYONET	VOLTS	EMITTED COLOR	PRICE EA.
LENGTH: 13mm Single Chip Diode Strip-A-Light™ 	LENGTH: 28mm 10mm Chip Diode T-3¼ 	LENGTH: 26 mm Single Chip Diode T-3¼ 	LENGTH: 26mm Single Chip Diode T-3¼ 	Single Chip LED's Solid State, Based LED Lamps <ul style="list-style-type: none"> 100,000 Hours Ultra-Bright Output 160° Viewing Angle 		
LED-SAL0680-W	W901-6W	LED6MSW-ACDC	LED6MBW-ACDC	6VDC	WHITE	\$4.00
LED-SAL0680-R	W901-6R	LED6MSR-ACDC	LED6MBR-ACDC		RED	\$4.00
LED-SAL0680-G	W901-6G	LED6MSG-ACDC	LED6MBG-ACDC		GREEN	\$4.00
LED-SAL0680-Y	W901-6Y	LED6MSY-ACDC	LED6MBY-ACDC		YELLOW	\$4.00
LED-SAL0680-A	W901-6A	LED6MSA-ACDC	LED6MBA-ACDC		AMBER	\$4.00
LED-SAL0680-B	W901-6B	LED6MSB-ACDC	LED6MBB-ACDC		BLUE	\$4.00
LED-SAL1280-W	W901-12W	LED12MSW-ACDC	LED12MBW-ACDC		12VDC	WHITE
LED-SAL1280-R	W901-12R	LED12MSR-ACDC	LED12MBR-ACDC	RED		\$4.00
LED-SAL1280-G	W901-12G	LED12MSG-ACDC	LED12MBG-ACDC	GREEN		\$4.00
LED-SAL1280-Y	W901-12Y	LED12MSY-ACDC	LED12MBY-ACDC	YELLOW		\$4.00
LED-SAL1280-A	W901-12A	LED12MSA-ACDC	LED12MBA-ACDC	AMBER		\$4.00
LED-SAL1280-B	W901-12B	LED12MSB-ACDC	LED12MBB-ACDC	BLUE		\$4.00
LED-SAL2840-W	W901-28W	LED28MSW-ACDC	LED28MBW-ACDC	28VDC		WHITE
LED-SAL2840-R	W901-28R	LED28MSR-ACDC	LED28MBR-ACDC		RED	\$4.00
LED-SAL2840-G	W901-28G	LED28MSG-ACDC	LED28MBG-ACDC		GREEN	\$4.00
LED-SAL2840-Y	W901-28Y	LED28MSY-ACDC	LED28MBY-ACDC		YELLOW	\$4.00
LED-SAL2840-A	W901-28A	LED28MSA-ACDC	LED28MBA-ACDC		AMBER	\$4.00
LED-SAL2840-B	W901-28B	LED28MSB-ACDC	LED28MBB-ACDC		BLUE	\$4.00
↑ \$2.25ea.	↑ \$3.00ea.	↑ \$5.50ea.	LED48MBW-ACDC		48VDC	WHITE
			LED48MBR-ACDC	RED		\$4.00
			LED48MBG-ACDC	GREEN		\$4.00
			LED48MBY-ACDC	YELLOW		\$4.00
			LED48MBA-ACDC	AMBER		\$4.00
			LED48MBB-ACDC	BLUE		\$4.00


Miniature Based LED Lamps



Norman Lamps, Inc.

		LENGTH: 26mm Single Chip Diode T-3¼ 	LENGTH: 26mm Single Chip Diode T-3¼ 	<h2>Single Chip LED's</h2> Solid State, Based LED Lamps <ul style="list-style-type: none"> 100,000 Hours Ultra-Bright Output 160° Viewing Angle 
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		MINI-SCREW	MINI-BAYONET	VOLTS	EMITTED COLOR	PRICE EA.
		LED120MSW-ACDC	LED120MBW-ACDC	120VAC	WHITE	\$4.00
		LED120MSR-ACDC	LED120MBR-ACDC		RED	\$4.00
		LED120MSG-ACDC	LED120MBG-ACDC		GREEN	\$4.00
		LED120MSY-ACDC	LED120MBY-ACDC		YELLOW	\$4.00
		LED120MSA-ACDC	LED120MBA-ACDC		AMBER	\$4.00
		LED120MSB-ACDC	LED120MBB-ACDC		BLUE	\$4.00

		 \$5.50ea.	LED240MBW-ACDC	240VAC	WHITE	\$5.50
			LED240MBR-ACDC		RED	\$4.50
			LED240MBG-ACDC		GREEN	\$4.50
			LED240MBY-ACDC		YELLOW	\$4.50
			LED240MBA-ACDC		AMBER	\$4.50
			LED240MBB-ACDC		BLUE	\$4.50

OVERALL LENGTH: 44 mm
 FLANGE DIAMETER: 19mm
 MOUNTING HOLE DIAMETER: 17.5mm ~ 18.0mm



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PANEL MOUNT INDICATOR LIGHT ASSEMBLY



ACCEPTS MINIATURE BAYONET BASE LED LAMPS, 6V ~ 240V

MINIATURE BAYONET BASE LED's






LAMP HOUSING #	APPROVALS	PRICE EA.
31099	UL, CSA, ROHS	\$3.50
LENS #	TYPE	PRICE EA.
L23-RED	FLUTED DOME	\$0.35
L23-GREEN	FLUTED DOME	\$0.35
L23-YELLOW	FLUTED DOME	\$0.35
L23-AMBER	FLUTED DOME	\$0.35
L23-BLUE	FLUTED DOME	\$0.35
L23-CLEAR	FLUTED DOME	\$0.35

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Miniature Based LED Lamps



Norman Lamps, Inc.

LENGTH: 26mm 4 Cluster Diode T-3¼	LENGTH: 32mm 9 Cluster Diode T-5	LENGTH: 23mm 4 Cluster Diode T-3¼	LENGTH: 24.5mm 7-Cluster Diode T-3¼	<h2>Cluster Top LED's</h2> <p>Solid State, Based LED Lamps</p> <ul style="list-style-type: none"> 100,000 Hours Ultra-Bright Output 120° Viewing Angle 		
WEDGE BASE	WEDGE BASE	MINI-BAYONET	MINI-BAYONET	VOLTS	EMITTED COLOR	PRICE EA.
				6VDC	WHITE	\$8.50
W904-6R	W909-T5-6R	BA94-6R	BA97-6R		RED	\$7.50
W904-6G	W909-T5-6G	BA94-6G	BA97-6G		GREEN	\$7.50
W904-6Y	W909-T5-6Y	BA94-6Y	BA97-6Y		YELLOW	\$7.50
W904-6A	W909-T5-6A	BA94-6A	BA97-6A		AMBER	\$7.50
W904-6B	W909-T5-6B	BA94-6B	BA97-6B		BLUE	\$7.50
W904-12W	W909-T5-12W	BA94-12W	BA97-12W		12VDC	WHITE
W904-12R	W909-T5-12R	BA94-12R	BA97-12R	RED		\$7.50
W904-12G	W909-T5-12G	BA94-12G	BA97-12G	GREEN		\$7.50
W904-12Y	W909-T5-12Y	BA94-12Y	BA97-12Y	YELLOW		\$7.50
W904-12A	W909-T5-12A	BA94-12A	BA97-12A	AMBER		\$7.50
W904-12B	W909-T5-12B	BA94-12B	BA97-12B	BLUE		\$7.50
W904-28W	W909-T5-28W	BA94-28W	BA97-28W	28VDC	WHITE	\$8.50
W904-28R	W909-T5-28R	BA94-28R	BA97-28R		RED	\$7.50
W904-28G	W909-T5-28G	BA94-28G	BA97-28G		GREEN	\$7.50
W904-28Y	W909-T5-28Y	BA94-28Y	BA97-28Y		YELLOW	\$7.50
W904-28A	W909-T5-28A	BA94-28A	BA97-28A		AMBER	\$7.50
W904-28B	W909-T5-28B	BA94-28B	BA97-28B		BLUE	\$7.50
↑ \$5.50ea.	↑ \$6.50ea.	BA94-120W	BA97-120W	120V AC	WHITE	\$8.50
		BA94-120R	BA97-120R		RED	\$7.50
		BA94-120G	BA97-120G		GREEN	\$7.50
		BA94-120Y	BA97-120Y		YELLOW	\$7.50
		BA94-120A	BA97-120A		AMBER	\$7.50
		BA94-120B	BA97-120B		BLUE	\$7.50



Miniature Based LED Lamps



Norman Lamps, Inc.

LENGTH: 89mm 8 Cluster Internal S-14 	LENGTH: 60mm 6 Cluster Internal S-11 	LENGTH: 74mm 6 Cluster Internal C-9 	LENGTH: 56mm 6 Cluster Internal C-7 	<h2>Decorative LED's</h2> <p>Solid State, Based LED Lamps</p> <ul style="list-style-type: none"> 50,000 Hours 360° Viewing Angle Faceted Surface 1.8 Watt Power Consumption Substantial Energy Savings Rugged Construction 
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MEDIUM SCREW BASE (E27)	INTERMEDIATE BASE (E17)	INTERMEDIATE BASE (E17)	CANDELABRA BASE (E12)	VOLTS	EMITTED COLOR	PRICE EA.
LED-S14-WW	LED-S11-INT-WW	LED-C9-WW	LED-C7-WW	120V AC	Warm W.	\$2.25
LED-S14-WHITE	LED-S11-WHITE	LED-C9-WHITE	LED-C7-WHITE		Pure W.	\$2.25
LED-S14-RED	LED-S11-INT-RED	LED-C9-RED	LED-C7-RED		RED	\$2.25
LED-S14-GREEN	LED-S11-INT-GRN	LED-C9-GREEN	LED-C7-GREEN		GREEN	\$2.25
LED-S14-YELLOW	LED-S11-INT-YEL	LED-C9-YELLOW	LED-C7-YELLOW		YELLOW	\$2.25
LED-S14-AMBER	LED-S11-INT-AMB	LED-C9-AMBER	LED-C7-AMBER		AMBER	\$2.25
LED-S14-BLUE	LED-S11-INT-BLUE	LED-C9-BLUE	LED-C7-BLUE		BLUE	\$2.25






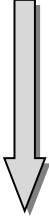
LENGTH: 57mm 6 Cluster Internal S-11 	3,000k Warm White 5,000k Pure White	S-11 LED's 
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MEDIUM SCREW BASE (E27)				VOLTS	EMITTED COLOR	PRICE EA.
LED-S11-MED-WW				120V AC	Warm W.	\$2.25
LED-S11-WHITE					Pure W.	\$2.25
LED-S11-MED-RED					RED	\$2.25
LED-S11-MED-GREEN					GREEN	\$2.25
LED-S11-MED-YELLOW					YELLOW	\$2.25
LED-S11-MED-AMBER					AMBER	\$2.25
LED-S11-MED-BLUE					BLUE	\$2.25

Miniature Based LED Lamps



Norman Lamps, Inc.

LENGTH: 46mm DIAMETER: 17mm 7-ClusterDiode S-6 Long 	LENGTH: 42.5mm DIAMETER: 21mm 7-ClusterDiode S-6 Short 	LENGTH: 45mm DIAMETER: 20mm 8-ClusterDiode S-6 Protected 	LENGTH: 45mm DIAMETER: 20mm 8-ClusterDiode S-6 Protected 	<h2>S-6 Type Top Cluster LED's</h2> <p>Solid State, Based LED Lamps</p> <ul style="list-style-type: none"> 100,000 Hours Ultra-Bright Output 120° Viewing Angle 			
C.S. BASE (E-12)	C.S. BASE (E-12)	D.C. BASE (BA15D)	S.C. BASE (BA15S)	VOLTS	EMITTED COLOR		PRICE EA.
	LEDT20E12-14W	LEDT18D-14W	LEDT18S-14W	14VDC		WHITE	\$6.50
	LEDT20E12-14R	LEDT18D-14R	LEDT18S-14R			RED	\$6.50
	LEDT20E12-14G	LEDT18D-14G	LEDT18S-14G			GREEN	\$6.50
	LEDT20E12-14Y	LEDT18D-14Y	LEDT18S-14Y			YELLOW	\$6.50
	LEDT20E12-14A	LEDT18D-14A	LEDT18S-14A			AMBER	\$6.50
	LEDT20E12-14B	LEDT18D-14B	LEDT18S-14B			BLUE	\$6.50
\$8.50ea. 	LEDT20E12-28W	LEDT18D-28W	LEDT18S-28W	28VDC		WHITE	\$6.50
	LEDT20E12-28R	LEDT18D-28R	LEDT18S-28R			RED	\$6.50
	LEDT20E12-28G	LEDT18D-28G	LEDT18S-28G			GREEN	\$6.50
	LEDT20E12-28Y	LEDT18D-28Y	LEDT18S-28Y			YELLOW	\$6.50
	LEDT20E12-28A	LEDT18D-28A	LEDT18S-28A			AMBER	\$6.50
	LEDT20E12-28B	LEDT18D-28B	LEDT18S-28B			BLUE	\$6.50
LED-6S6-120W	LEDT20E12-120W	LEDT18D-120W	LEDT18S-120W	120V AC		WHITE	\$6.50
LED-6S6-120R	LEDT20E12-120R	LEDT18D-120R	LEDT18S-120R			RED	\$6.50
LED-6S6-120G	LEDT20E12-120G	LEDT18D-120G	LEDT18S-120G			GREEN	\$6.50
LED-6S6-120Y	LEDT20E12-120Y	LEDT18D-120Y	LEDT18S-120Y			YELLOW	\$6.50
LED-6S6-120A	LEDT20E12-120A	LEDT18D-120A	LEDT18S-120A			AMBER	\$6.50
LED-6S6-120B	LEDT20E12-120B	LEDT18D-120B	LEDT18S-120B			BLUE	\$6.50

Miniature Based LED Lamps



Norman Lamps, Inc.

LENGTH: 63mm DIAMETER: 24mm 21 Diodes T-8 Protected 	LENGTH: 57mm DIAMETER: 24mm 21 Diodes T-8 Protected 	LENGTH: 59mm DIAMETER: 24mm 21 Diodes T-8 Protected 	LENGTH: 57mm DIAMETER: 24mm 21 Diodes T-8 Protected 	<h2 style="text-align: center;">T-8 Type</h2> <h3 style="text-align: center;">Surface Mount LED's</h3> <p style="text-align: center;">Solid State, Based LED Lamps</p> <ul style="list-style-type: none"> ▪ 100,000 Hours ▪ Ultra-Bright Output ▪ 360° Viewing Angle 
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EUROPEAN (E-14)	INT. BASE (E-17)	C.S. BASE (E-12)	D.C. BASE (BA15D)	VOLTS	EMITTED COLOR		PRICE EA.
SMW21E14-24V	SMW21E17-24V	SMW21E12-24V	SMW21DC-24V	24VDC		WHITE	\$16.50
SMR21E14-24V	SMR21E17-24V	SMR21E12-24V	SMR21DC-24V			RED	\$16.50
SMG21E14-24V	SMG21E17-24V	SMG21E12-24V	SMG21DC-24V			GREEN	\$16.50
SMY21E14-24V	SMY21E17-24V	SMY21E12-24V	SMY21DC-24V			YELLOW	\$16.50
SMA21E14-24V	SMA21E17-24V	SMA21E12-24V	SMA21DC-24V			AMBER	\$16.50
SMB21E14-24V	SMB21E17-24V	SMB21E12-24V	SMB21DC-24V			BLUE	\$16.50






SMW21E14-120V	SMW21E17-120V	SMW21E12-120V	SMW21DC-120V	120V AC		WHITE	\$16.50
SMR21E14-120V	SMR21E17-120V	SMR21E12-120V	SMR21DC-120V			RED	\$16.50
SMG21E14-120V	SMG21E17-120V	SMG21E12-120V	SMG21DC-120V			GREEN	\$16.50
SMY21E14-120V	SMY21E17-120V	SMY21E12-120V	SMY21DC-120V			YELLOW	\$16.50
SMA21E14-120V	SMA21E17-120V	SMA21E12-120V	SMA21DC-120V			AMBER	\$16.50
SMB21E14-120V	SMB21E17-120V	SMB21E12-120V	SMB21DC-120V			BLUE	\$16.50

SMW21E14-240V	SMW21E17-240V	SMW21E12-240V	SMW21DC-240V	240V AC		WHITE	\$18.50
SMR21E14-240V	SMR21E17-240V	SMR21E12-240V	SMR21DC-240V			RED	\$18.50
SMG21E14-240V	SMG21E17-240V	SMG21E12-240V	SMG21DC-240V			GREEN	\$18.50
SMY21E14-240V	SMY21E17-240V	SMY21E12-240V	SMY21DC-240V			YELLOW	\$18.50
SMA21E14-240V	SMA21E17-240V	SMA21E12-240V	SMA21DC-240V			AMBER	\$18.50
SMB21E14-240V	SMB21E17-240V	SMB21E12-240V	SMB21DC-240V			BLUE	\$18.50

Miniature Based LED Lamps



Norman Lamps, Inc.






LENGTH: 56mm DIAMETER: 25mm 18 Diodes T-8 	LENGTH: 56mm DIAMETER: 25mm 18 Diodes T-8 	LENGTH: 56mm DIAMETER: 25mm 18 Diodes T-8 	LENGTH: 48mm DIAMETER: 23.5mm 13 Diodes T-8 Short 	<h2 style="text-align: center;">T-8 Type Piranha LED's</h2> <p style="text-align: center;">Solid State, Based LED Lamps</p> <ul style="list-style-type: none"> ▪ 100,000 Hours ▪ Ultra-Bright Output ▪ 360° Viewing Angle 			
D.C. I. (BAY15D)	S.C. BASE (BA15S)	D.C. BASE (BA15D)	D.C. BASE (BA15D)	VOLTS	EMITTED COLOR		PRICE EA.
LED-P1157-W	LED-P1156-W	LED-P94-W	LED-P94-W-S		12VDC (12v~14v)		WHITE
LED-P1157-R	LED-P1156-R	LED-P94-R	LED-P94-R-S			RED	\$12.50
LED-P1157-G	LED-P1156-G	LED-P94-G	LED-P94-G-S			GREEN	\$12.50
LED-P1157-Y	LED-P1156-Y	LED-P94-Y	LED-P94-Y-S			YELLOW	\$12.50
LED-P1157-A	LED-P1156-A	LED-P94-A	LED-P94-A-S			AMBER	\$12.50
LED-P1157-B	LED-P1156-B	LED-P94-B	LED-P94-B-S			BLUE	\$12.50
LED-P1662-W	LED-P307-W	LED-P308-W	LED-P308-W-S	28VDC (24v~28v)			WHITE
LED-P1662-R	LED-P307-R	LED-P308-R	LED-P308-R-S			RED	\$12.50
LED-P1662-G	LED-P307-G	LED-P308-G	LED-P308-G-S			GREEN	\$12.50
LED-P1662-Y	LED-P307-Y	LED-P308-Y	LED-P308-Y-S			YELLOW	\$12.50
LED-P1662-A	LED-P307-A	LED-P308-A	LED-P308-A-S			AMBER	\$12.50
LED-P1662-B	LED-P307-B	LED-P308-B	LED-P308-B-S			BLUE	\$12.50

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Miniature Based LED Lamps







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LENGTH: 36mm DIAMETER: 10mm 5,000k White 4 Diodes 	LENGTH: 42mm DIAMETER: 10.5mm 5,000k White 8 Diodes 	LENGTH: 47mm DIAMETER: 26mm 12 Cluster Diodes 	LENGTH: 47mm DIAMETER: 26mm 12 Cluster Diodes 	<h2>Automotive Type Cluster LED's</h2> <p>Solid State, Based LED Lamps</p> <ul style="list-style-type: none"> 100,000 Hours Ultra-Bright Output 120° Viewing Angle 			
FESTOON CAP	FESTOON CAP	D.C. I. (BAY15D)	S.C. (BA15S)	VOLTS	EMITTED COLOR		PRICE EA.
FC1036-12V-W	FC1142-12V-W	LED-1157-W	LED-1156-W	12VDC (12v~14v)		WHITE	\$6.50
FC1036-12V-R	FC1142-12V-R	LED-1157-R	LED-1156-R			RED	\$6.50
FC1036-12V-G	FC1142-12V-G	LED-1157-G	LED-1156-G			GREEN	\$6.50
FC1036-12V-Y	FC1142-12V-Y	LED-1157-Y	LED-1156-Y			YELLOW	\$6.50
FC1036-12V-A	FC1142-12V-A	LED-1157-A	LED-1156-A			AMBER	\$6.50
FC1036-12V-B	FC1142-12V-B	LED-1157-B	LED-1156-B			BLUE	\$6.50
FC1036-24V-W	FC1142-24V-W				24VDC (24v~28v)		WHITE
FC1036-24V-R	FC1142-24V-R					RED	\$6.50
FC1036-24V-G	FC1142-24V-G					GREEN	\$6.50
FC1036-24V-Y	FC1142-24V-Y					YELLOW	\$6.50
FC1036-24V-A	FC1142-24V-A					AMBER	\$6.50
FC1036-24V-B	FC1142-24V-B					BLUE	\$6.50


Miniature Based LED Lamps



Norman Lamps, Inc.

<p>LENGTH: 122mm DIAMETER: 23mm 20 Diodes T-6½ Protected</p> 	<p>LENGTH: 122mm DIAMETER: 23mm 20 Diodes T-6½ Protected</p> 	<p>LENGTH: 122mm DIAMETER: 23mm 20 Diodes T-6½ Protected</p> 	 <p>T-6½ Type EXIT Sign LED's Solid State, Based LED Lamps</p> <ul style="list-style-type: none"> 100,000 Hours Ultra-Bright Output 360° Viewing Angle 20 High Output Diodes Extreme Energy Savings Uses only 2 Watts of Power Replaces 20W & 25W Lamps Lasts up to 12 Years Protective Hard Glass Tube Easy Retrofit for Incandescent
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INT. BASE (E-17)	C.S. BASE (E-12)	D.C. BASE (BA15D)	VOLTS	EMITTED COLOR	PRICE EA.
EX18-120W-INT	EX18-120W-CS	EX18-120W-DC	120VAC	WHITE	\$14.50
EX18-120R-INT	EX18-120R-CS	EX18-120R-DC		RED	\$12.50



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\$32.50ea.


- 120~277V AC Input
- 25 Year Service Life
- Very Low Power Consumption
- Push-to-Test Button
- Easy to Install
- Flame Resistant Housing
- Available in Red or Green



CEM-01-120/277

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- 120~277V AC Input
- 25 Year Service Life
- Maintenance Free
- Push-to-Test Button
- Easy to Install
- Flame Resistant Housing



CXT-01-120/277





\$16.50ea.

- 120~277V AC Input
- 25 Year Service Life
- Very Low Power Consumption
- Push-to-Test Button
- Battery Back Up
- Easy to Install
- Flame Resistant Housing
- Available in Red or Green

Miniature Based LED Lamps



Norman Lamps, Inc.

LENGTH: 55mm DIAMETER: 20mm 3,000k Warm White 18 Diodes, Protected 	LENGTH: 53mm DIAMETER: 17mm 3,000k Warm White 18 Diodes, Open 	LENGTH: 38.5mm DIAMETER: 18.6mm 8 Cluster Diodes 	LENGTH: 38.5mm DIAMETER: 18.6mm 8 Cluster Diodes 	<h2>Automotive Type Top Cluster LED's</h2> <p>Solid State, Based LED Lamps</p> <ul style="list-style-type: none"> 100,000 Hours Ultra-Bright Output 120° Viewing Angle (DC & SC) 360° Viewing Angle (Wedge) Landscape Lighting 			
S.F.WEDGE	D.F. WEDGE	D.C. (BA15D)	S.C. (BA15S)	VOLTS	EMITTED COLOR		PRICE EA.
LED-3156-WW	LED-3157-WW	LED-68-14W	LED-67-14W	14VDC (12v~14v)		WHITE	\$5.50
↑ \$10.50ea.	LED-3157-R	LED-68-14R	LED-67-14R			RED	\$5.50
	↑ \$10.50ea.	LED-68-14G	LED-67-14G			GREEN	\$5.50
		LED-68-14Y	LED-67-14Y			YELLOW	\$5.50
		LED-68-14A	LED-67-14A			AMBER	\$5.50
		LED-68-14B	LED-67-14B			BLUE	\$5.50
		LED-68-28W	LED-67-28W	28VDC (24v~28v)		WHITE	\$5.50
		LED-68-28R	LED-67-28R			RED	\$5.50
		LED-68-28G	LED-67-28G			GREEN	\$5.50
		LED-68-28Y	LED-67-28Y			YELLOW	\$5.50
		LED-68-28A	LED-67-28A			AMBER	\$5.50
		LED-68-28B	LED-67-28B			BLUE	\$5.50



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