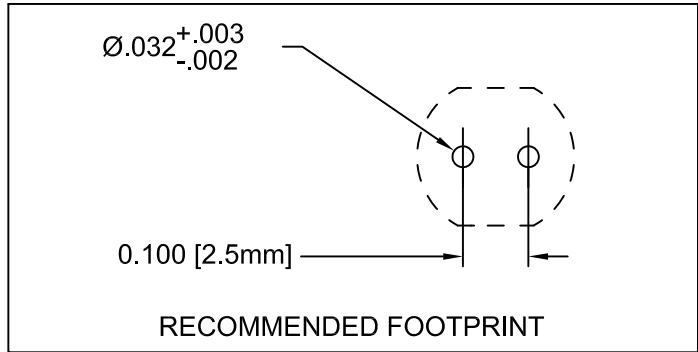
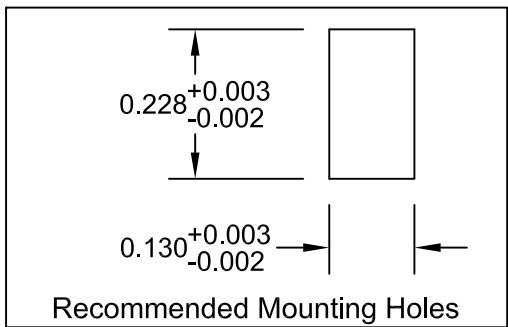
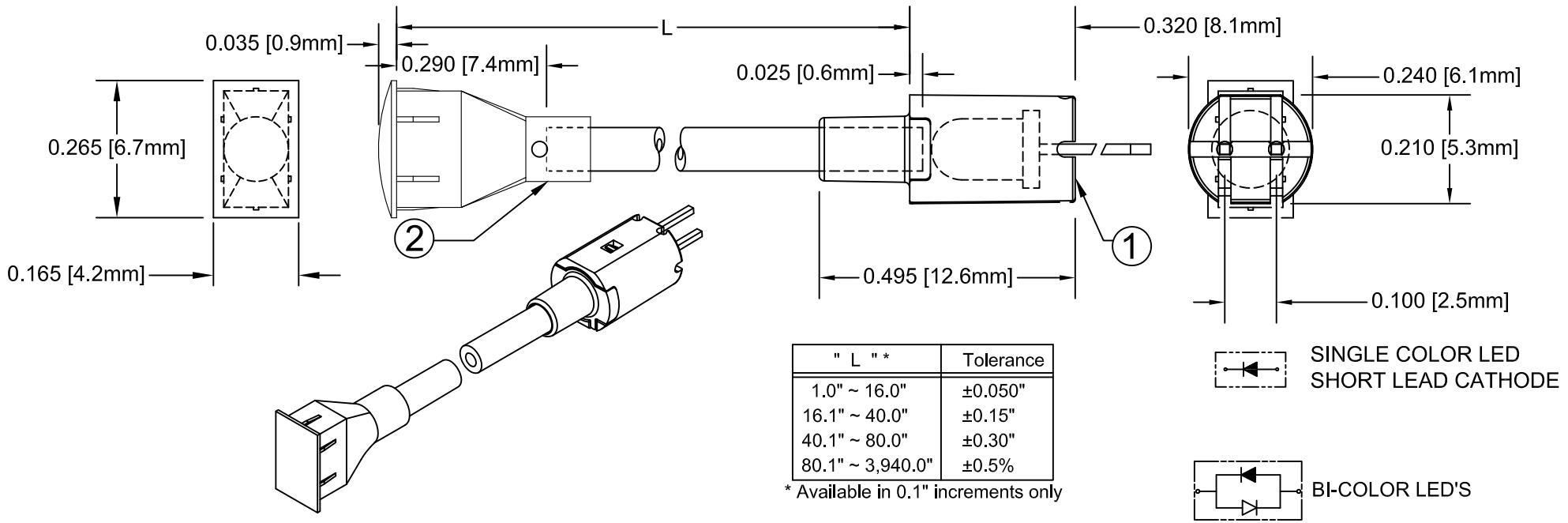


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	FLPV-XX	Flexible Light Pipe Adapter,90°, w/LED, See page 2 & 3.
2	1	FLPR1-XX.X	Flexible Light-Pipe Lens Cap Assembly, Rectangular

REV.	DESCRIPTION	DATE	APPROVED
A	Engineering Release.	02/01/11	T. Y.
B	Replaced 3UWC-0.6K-F with 3UWC1.035C-F	04/26/12	T. Y.
C	Updated Table For Length "L"	11/15/12	T. Y.

NOTE: FLPV-XX ADAPTER SHIPPED NON-ASSEMBLED



SHORT LEAD CATHODE	LED PART NO.	LONG LEAD CATHODE
RED	3xBCC-F	GREEN
YELLOW	3xBCC-Y/G-F	GREEN
RED	3xBCC-R/Y-F	YELLOW
AMBER	3xBCC-A/G-F	GREEN

### ABSOLUTE MAXIMUM RATINGS (Ta=25°C)


REVERSE VOLTAGE	_____	5V
REVERSE CURRENT	_____	100uA
OPERATING TEMPERATURE RANGE	_____	-25° C - 85° C
STORAGE TEMPERATURE	_____	-30° C - 100° C
LEAD SOLDERING TEMPERATURE(1/16" FROM BODY)	_____	260° C FOR 5 SECONDS

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 <b>BIVAR</b> ® 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ±.1	X° ± 1°		
.XX ±.02		 <b>TITLE:</b> FLEXIBLE LIGHT-PIPE ASSY VERTICAL, RECTANGULAR LENS CAP W/LED	
.XXX ±.010			
DESIGNED:	DATE:	<b>PART NO:</b>	REVISION:
<b>Melanie Myers</b>	02/01/11		
CHECKED:	DATE:	<b>CAGE CODE :</b>	<b>SHEET # 1 OF 3</b>
<b>Raffy Paje</b>	02/01/11	<b>32559</b>	
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

FLPR1VX.X-XX PART NO.	LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings				Electro-Optical Data @ 20mA			Viewing Angle 2 θ ½ (Deg)
		Material	Peak Wave Length λp(nm)	Emitted Color		Δλ (nm)	Pd (mW)	If (mA)	Peak If(mA)	Vf (V)		Iv (mcd)	
										TYP	MAX	TYP	
FLPR1VX.X-SG	3SGC-F	GaP/GaP	568	SUPER GREEN	WATER CLEAR	30	80	30	150	2.2	2.6	120	30
FLPR1VX.X-SY	3SYC-F	GaAsP/GaP	585	SUPER YELLOW	WATER CLEAR	35	80	30	150	2.1	2.6	65	30
FLPR1VX.X-SA	3SAC-F	AlGaInP	620	SUPER AMBER	WATER CLEAR	17	100	30	150	2.0	2.6	350	30
FLPR1VX.X-SR	3SRC-F	GaAlAsP/GaAs	660	SUPER RED	WATER CLEAR	20	80	20	150	1.7	2.6	250	30



FLPR1VX.X-XX PART NO.	LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings				Electro-Optical Data @ 20mA			Viewing Angle 2 θ ½ (Deg)
		Material	Peak Wave Length λp(nm)	Emitted Color		Δλ (nm)	Pd (mW)	If (mA)	Peak If(mA)	Vf (V)		Iv (mcd)	
										Typ.	Max.	Typ.	
FLPR1VX.XUBW.6K	3UBWC-0.6K-F	InGaNSiC	466	BLUE	WATER CLEAR	26	76	50	150	3.5	4.5	600	20
FLPR1VX.X-UT	3UTC-F	InGaNSiC	502	TURQUOISE	WATER CLEAR	30	70	30	150	3.5	4.5	900	20
FLPR1VX.X-UG	3UGC-F	InGaAlP	563	GREEN	WATER CLEAR	11	100	30	150	2.2	2.6	800	30
FLPR1VX.X-SUG	3SUGC-F	InGaAlP	574	GREEN	WATER CLEAR	22	100	30	150	2.2	3.0	1000	30
FLPR1VX.X-UY	3UYC-F	InGaAlP	588	YELLOW	WATER CLEAR	15	100	30	150	2.0	2.6	600	20
FLPR1VX.X-SUY	3SUYC-F	InGaAlP	592	YELLOW	WATER CLEAR	15	100	30	150	2.0	2.6	1000	30
FLPR1VX.X-UUY	3UUYC-F	InGaAlP	592	YELLOW	WATER CLEAR	15	100	30	150	2.1	2.6	2000	30
FLPR1VX.X-UO	3UOC-F	AlGaInP	620	ORANGE	WATER CLEAR	17	100	30	150	2.2	2.6	1500	30
FLPR1VX.X-SUO	3SUOC-F	InGaAlP	633	ORANGE	WATER CLEAR	17	100	30	150	2.2	2.6	2200	30
FLPR1VX.X-UR	3URC-F	GaAlAs/GaAs	660	RED	WATER CLEAR	20	60	30	150	1.7	2.6	400	30
FLPR1VX.X-SUR	3SURC-F	GaAlAs/GaAs	660	RED	WATER CLEAR	20	65	30	150	2.0	2.6	600	30
FLPR1VX.XUW0.6K	3UWC1.035C-F	InGaNSiC	X=30 Y=31	WHITE	WATER CLEAR	-	120	20	100	3.4	3.8	1000	35

STANDARD TOLERANCE ( UNLESS OTHERWISE SPECIFIED ) ±10% ALL VALUES      ANGULAR		 <b>BIVAR</b> ® 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808    FAX: (949) 951-3974	
DESIGNED: <b>Melanie Myers</b>			
CHECKED: <b>Raffy Paje</b>		DATE: <b>02/01/11</b>	PART NO: <b>FLPR1VX.X-XX</b> REVISION: <b>C</b> CAGE CODE : <b>32559</b> SHEET # <b>2 OF 3</b> <small>CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.</small>

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

FLPR1VX.X-XX PART NO.	LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings				Electro-Optical Data @ 20mA			Viewing Angle 2 θ ½ (Deg)
		Material	Peak Wave Length λp(nm)	Emitted Color		Δλ (nm)	Pd (mW)	If (mA)	Peak If(mA)	Vf (V)		Iv (mcd)	
										TYP	MAX	TYP	
FLPR1VX.X-BC	3BCC-F	GaAsP/GaP	635	HE RED	WATER CLEAR	45	80	30	150	2.1	2.6	65.0	45
		GaP/GaP	568	GREEN		30	80	30	150	2.2	2.6	65.0	
FLPR1VX.X-BCYG	3BCC-Y/G-F	GaAsP/GaP	585	YELLOW	WATER CLEAR	35	80	30	150	2.1	2.6	50.0	45
		GaP/GaP	568	GREEN		30	80	30	150	2.2	2.6	60.0	
FLPR1VX.X-BCRY	3BCC-R/Y-F	GaAsP/GaP	585	YELLOW	WATER CLEAR	35	80	30	150	2.1	2.6	50.0	45
		GaAsP/GaP	635	HE RED		30	80	30	150	2.1	2.6	60.0	
FLPR1VX.X-BCAG	3BCC-A/G-F	GaAsP/GaP	610	AMBER	WATER CLEAR	35	80	30	150	2.1	2.6	50.0	45
		GaP/GaP	568	GREEN		30	80	30	150	2.2	2.6	60.0	

FLPR1VX.X-XX PART NO.	LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings				Electro-Optical Data @ 20mA			Viewing Angle 2 θ ½ (Deg)
		Material	Peak Wave Length λp(nm)	Emitted Color		Δλ (nm)	Pd (mW)	If (mA)	Peak If(mA)	Vf (V)		Iv (mcd)	
										TYP	MAX	TYP	
FLPR1VX.X-SBC	3SBCC-F	GaAiAsP/GaAs	660	SUPER RED	WATER CLEAR	20	60	30	150	1.8	2.6	150	35
		GaP/GaP	568	HE GREEN		30	80	30	150	2.2	2.6	80	
FLPR1VX.X-SBCYG	3SBCC-Y/G-F	GaAsP/GaP	590	SUPER YELLOW	WATER CLEAR	15	100	30	150	2.0	2.6	400	35
		GaP/GaP	568	HE GREEN		30	100	30	150	2.2	2.6	80	
FLPR1VX.X-SBCRY	3SBCC-R/Y-F	GaAiAsP/GaAs	660	SUPER RED	WATER CLEAR	20	60	30	150	1.8	2.6	150	35
		GaAsP/GaP	590	SUPER YELLOW		15	100	30	150	2.0	2.6	400	

STANDARD TOLERANCE ( UNLESS OTHERWISE SPECIFIED ) ±10% ALL VALUES      ANGULAR		 <b>BIVAR</b> ® 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808    FAX: (949) 951-3974		
				
DESIGNED: <b>Melanie Myers</b>	DATE: <b>02/01/11</b>	TITLE: FLEXIBLE LIGHT-PIPE ASSY VERTICAL, RECTANGULAR LENS CAP W/LED	PART NO: <b>FLPR1VX.X-XX</b>	REVISION: <b>C</b>
CHECKED: <b>Raffy Paje</b>	DATE: <b>02/01/11</b>	CAGE CODE : <b>32559</b>	SHEET # <b>3</b> OF <b>3</b>	
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