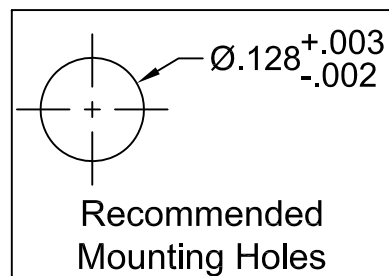
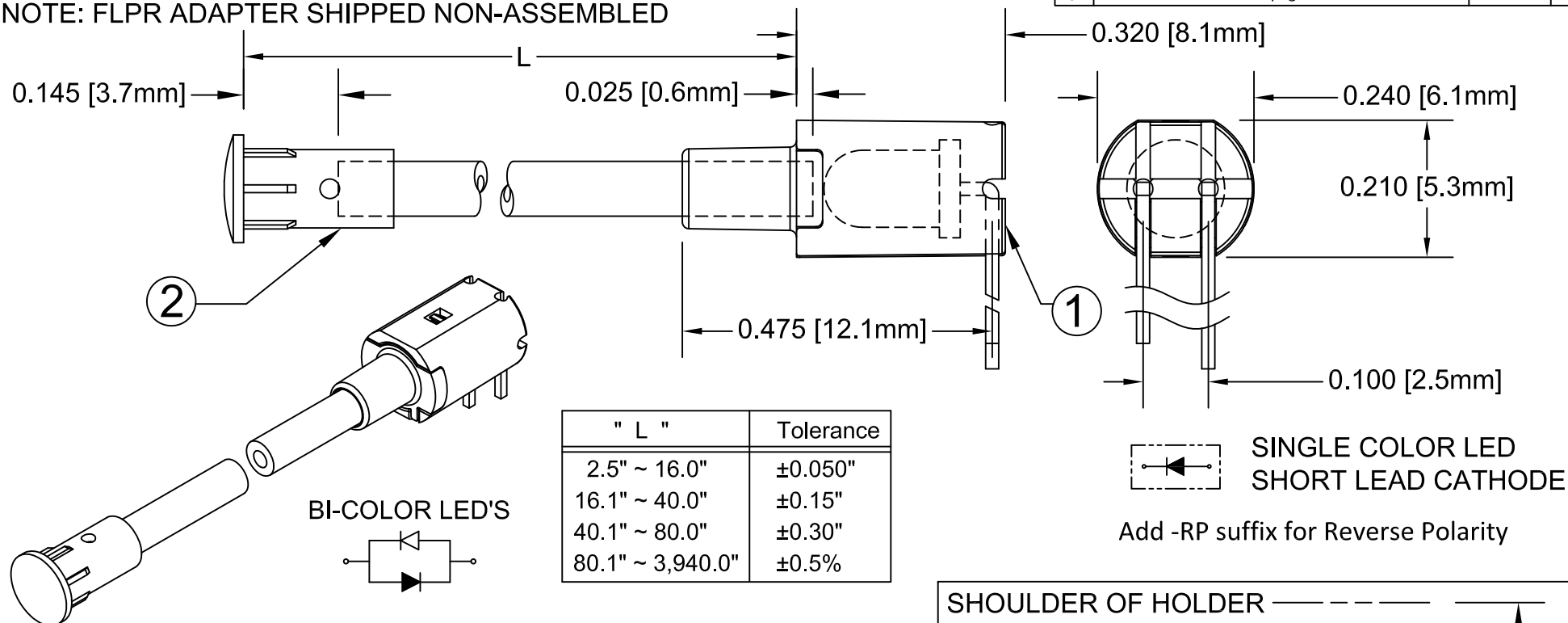


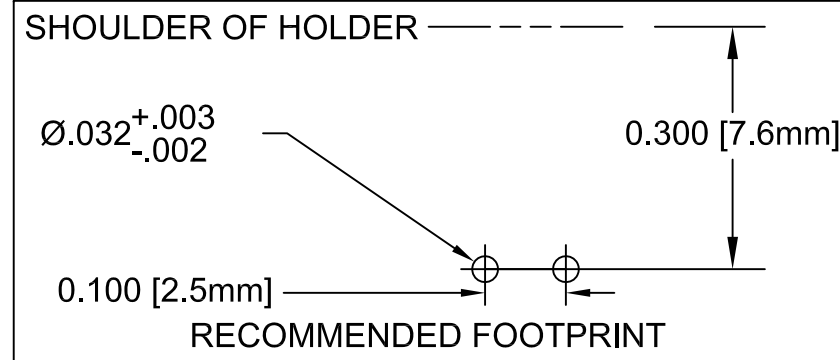
ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	FLPR-XX	Flexible Light Pipe Adapter, 90°, w/LED, See page 2 & 3.
2	1	LC-XX.X	Flexible Light-Pipe Lens Cap Assembly

REV.	DESCRIPTION	DATE	APPROVED
C	Added Lens Cap Recommended Mounting Hole.	06/08/04	M. C.
D	Added Shipping Note and Tolerance Table	04/17/06	M. C.
E	Changed Length From 2.5 to 0.5 at "L" Table	02/12/07	M. C.
F	Updated FLPC Hidden View and BOM	08/27/08	M. C.
G	LED Data Update	11/18/11	T. Y.
H	RP note added	02/09/12	T. Y.
J	Added the 3HC-F LED to page 2	02/09/12	T. Y.

NOTE: FLPR 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)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°		
.XX ± .02			
.XXX ± .010			
DESIGNED:	DATE:	TITLE: FLEXIBLE LIGHT-PIPE ASSY RIGHT ANGLE, 3mm LENS CAP W/LED	
Shane Irving	02/09/99		
CHECKED:	DATE:	PART NO:	REVISION:
M. Chen	07/03/02	FLPRX.X-XX	J
		CAGE CODE : 32559	SHEET # 1 OF 3
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

Assy 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	
FLPRX.X-SG	3SGC-F	GaP/GaP	568	SUPER GREEN	WATER CLEAR	-	80	30	150	2.1	2.8	50	20
FLPRX.X-SY	3SYC-F	GaAsP/GaP	590	SUPER YELLOW	WATER CLEAR	-	85	30	150	2.0	2.8	50	20
FLPRX.X-SA	3SAC-F	AlGaInP	605	SUPER AMBER	WATER CLEAR	-	100	30	150	1.8	2.4	300	20
FLPRX.X-SR	3SRC-F	GaAiAsP/GaAs	645	SUPER RED	WATER CLEAR	-	70	30	150	1.7	2.4	60	20
FLPRX.X-UBW.6K	3UBWC-0.6K-F	GaN/SiC	470	BLUE	WATER CLEAR	-	150	25	70	4.0	4.5	400	20
FLPRX.X-UT	3UTC-F	GaN/SiC	500	TURQUOISE	WATER CLEAR	-	70	30	150	3.5	4.0	800	20
FLPRX.X-UG	3UGC-F	AlGaInP	570	GREEN	WATER CLEAR	-	100	30	150	2.1	2.4	200	20
FLPRX.X-SUG	3SUGC-F	AlGaInP	570	GREEN	WATER CLEAR	-	100	30	150	2.1	2.4	300	20
FLPRX.X-UY	3UYC-F	AlGaInP	590	YELLOW	WATER CLEAR	-	85	30	150	2.0	2.4	300	20
FLPRX.X-SUY	3SUYC-F	AlGaInP	590	YELLOW	WATER CLEAR	-	85	30	150	2.0	2.4	400	20
FLPRX.X-UUY	3UUYC-F	AlGaInP	590	YELLOW	WATER CLEAR	-	85	30	150	2.0	2.4	600	20
FLPRX.X-UO	3UOC-F	AlGaInP	625	ORANGE	WATER CLEAR	-	100	30	150	1.8	2.4	300	20
FLPRX.X-SUO	3SUOC-F	AlGaInP	625	ORANGE	WATER CLEAR	-	100	30	150	1.8	2.4	400	20
FLPRX.X-UR	3URC-F	GaAlAs/GaAs	645	RED	WATER CLEAR	-	60	30	150	1.7	2.4	200	20
FLPRX.X-SUR	3SURC-F	AlGaInP	640	RED	WATER CLEAR	-	70	30	150	1.8	2.4	200	20
FLPRX.X-H	3HC-F	GaAsP/GaP	625	RED	WATER CLEAR	-	80	30	150	2.0	2.8	50	20

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) <u>±10% ALL VALUES</u>		ANGULAR X° ± 5°		BIVAR® 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
				TITLE: FLEXIBLE LIGHT-PIPE ASSY RIGHT ANGLE, 3mm LENS CAP W/LED	
DESIGNED: David Green		DATE: 06/09/03		PART NO: FLPRX.X-XX	
CHECKED: M. Chen		DATE: 06/09/03		REVISION: J	
				CAGE CODE : 32559 SHEET # 2 OF 3	
CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.					

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

Assy 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	
FLPRX.X-BC	3BCC-F	GaAsP/GaP	625	RED	WATER CLEAR	35	80	30	150	2.0	2.8	8	40
		GaP/GaP	568	GREEN		30	80	30	150	2.1	2.8	8	
FLPRX.X-BC-Y/G	3BCC-Y/G-F	GaAsP/GaP	590	YELLOW	WATER CLEAR	35	80	30	150	2.0	2.8	6	40
		GaP/GaP	568	GREEN		30	80	30	150	2.1	2.8	8	
FLPRX.X-BC-R/Y	3BCC-R/Y-F	GaAsP/GaP	625	RED	WATER CLEAR	35	80	30	150	2.0	2.8	8	40
		GaP/GaP	590	YELLOW		30	80	30	150	2.0	2.8	6	
FLPRX.X-BC-A/G	3BCC-A/G-F	GaAsP/GaP	605	AMBER	WATER CLEAR	35	80	30	150	2.0	2.8	6	40
		GaP/GaP	568	GREEN		30	80	30	150	2.1	2.8	8	
FLPRX.X-SBC	3SBCC-F	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	-	70	30	150	1.7	2.4	100	20
		GaP/GaP	568	SUPER GREEN		-	80	30	150	2.1	2.8	60	
FLPRX.X-SBC-Y/G	3SBCC-Y/G-F	InGaAlP	585	SUPER YELLOW	WATER CLEAR	-	85	20	160	2.1	2.4	15	40
		GaP/GaP	565	SUPER GREEN		-	80	20	160	2.1	2.8	5	
FLPRX.X-SBC-R/Y	3SBCC-R/Y-F	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	-	70	30	150	1.7	2.4	100	20
		AlGaInP	590	SUPER YELLOW		-	85	30	150	2.0	2.4	300	

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) <u>±10% ALL VALUES</u>		ANGULAR X° ± 5°		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
				TITLE: FLEXIBLE LIGHT-PIPE ASSY RIGHT ANGLE, 3mm LENS CAP W/LED	
DESIGNED: David Green		DATE: 06/09/03		PART NO: FLPRX.X-XX	
CHECKED: M. Chen		DATE: 06/09/03		REVISION: J	
				CAGE CODE : 32559 SHEET # 3 OF 3	
				CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.	