

REV.	DESCRIPTION	DATE	APPROVED
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.
K	Updated Table For Length "L"	11/15/12	T. Y.

NOTE: FLPR ADAPTER SHIPPED NON-ASSEMBLED

Technical drawing of the FLPR adapter assembly. The drawing includes a side view and an end view. The side view shows a cylindrical component with a flange on the left and a mounting bracket on the right. Dimensions include a flange thickness of 0.145 [3.7mm], a central shaft length of L, a mounting bracket thickness of 0.025 [0.6mm], and a total length of 0.475 [12.1mm]. The end view shows a circular flange with a diameter of 0.320 [8.1mm] and a mounting bracket with a width of 0.240 [6.1mm] and a height of 0.210 [5.3mm]. A dimension of 0.100 [2.5mm] is shown for the mounting bracket's base. A callout (2) points to the flange, and a callout (1) points to the mounting bracket.

0.145 [3.7mm]

L

0.025 [0.6mm]

0.475 [12.1mm]

0.320 [8.1mm]

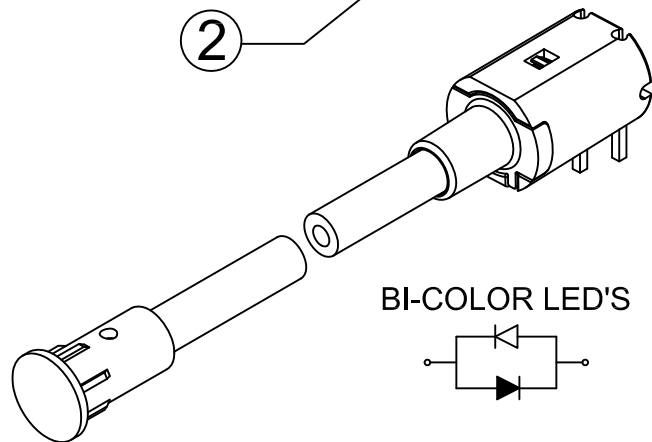
0.240 [6.1mm]

0.210 [5.3mm]

0.100 [2.5mm]

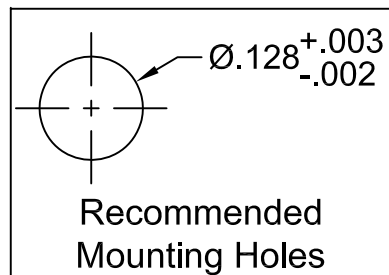
2

1

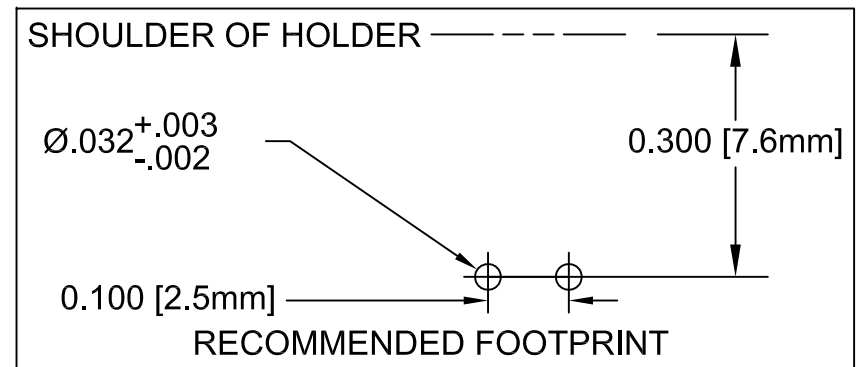


" L " *	Tolerance
1.0" ~ 16.0"	±0.050"
16.1" ~ 40.0"	±0.15"
40.1" ~ 80.0"	±0.30"
80.1" ~ 3,940.0"	±0.5%

* Available in 0.1" increments only



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



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)			
<u>DECIMALS</u>	<u>ANGULAR</u>	4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
.X ± .1	X° ± 1°		
.XX ± .02			
.XXX ± .010		TITLE: FLEXIBLE LIGHT-PIPE ASSY RIGHT ANGLE, 3mm LENS CAP W/LED	
DESIGNED:	DATE:	PART NO:	REVISION:
Shane Irving	02/09/99		K
CHECKED:	DATE:	CAGE CODE :	SHEET #
M. Chen	07/03/02	32559	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 @ 20m A			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	GaAlAsP/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 K	
				CAGE CODE : 32559 SHEET # 2 OF 3	
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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> <u>ANGULAR</u> $X^{\circ} \pm 5^{\circ}$		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED:	DATE:	TITLE: FLEXIBLE LIGHT-PIPE ASSY RIGHT ANGLE, 3mm LENS CAP W/LED	
David Green	06/09/03	PART NO:	FLPRX.X-XX
CHECKED:	DATE:	CAGE CODE : 32559	SHEET # 3 OF 3
M. Chen	06/09/03	CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.	