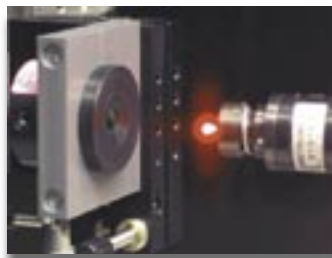


# selector

## product selector guide



CML has lead the world of illumination since its formation in 1910, moving forward almost 100 years CML-IT is now a combination of several of the world most successful lighting companies.... With a worldwide manufacturing base CML-IT is able to provide local production supported by 1st class Engineering support. Moving from the supply of Incandescent lamps CML-IT embraced LED technology and is now one of the world leading suppliers of both LEDs and LED based solutions for a variety of markets as diverse as Architecture,Transport, Automotive, Gaming & Entertainment. Working with some of the world greatest OEM's in their fields CML-IT can guarantee a world class solution.



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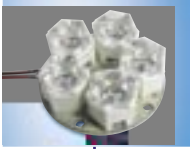
**POWERLEDS**



**INDUSTRIAL LAMPS**



**LEDULES 1**



**LEDULES 2**

**AVIATION FLUORESCENT TUBES & LAMPS**



**SYDNEY**

**LIGHT PIPES**



**CIRCUIT BOARD INDICATORS**

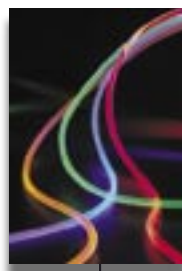


**LED / LAMP INDICATORS**



**ACSENTIOS**

**LIGHT GUIDES**



**LIGHT ENGINES**



**XENON LAMPS**



**T5/T10 WB BASED LEDES**



**COLD CATHODES**



1 J Z'ati è\ WZall ' XdciVeh\ZcZgX'egdYj Xi ' è[dgb M'èlc#

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	Series Numbers	Size	Pure White	Warm White	Red	Green	Amber	Blue	Cyan	Full Color (RGB)	1W	2.5W	5W	3 x 1W
	CMDA30 CMDA36 CMDA51	9x9x4mm	μ	μ	μ	μ	μ	μ	μ	-	μ	μ	μ	-
	CMDA31 CMDA37 CMDA52	9x9x4mm on Star PCB	μ	μ	μ	μ	μ	μ	μ	-	μ	μ	μ	-
	CMDA32 CMDA38 CMDA53	9x9x4mm on Square PCB	μ	μ	μ	μ	μ	μ	μ	-	μ	μ	μ	-
	CMDA33 CMDA39 CMDA54	9x9x7.65mm	μ	μ	μ	μ	μ	μ	μ	-	μ	μ	μ	-
	CMDA34 CMDA40 CMDA55	9x9x7.65mm on Star PCB	μ	μ	μ	μ	μ	μ	μ	-	μ	μ	μ	-
	CMDA35 CMDA41 CMDA56	9x9x7.65mm on Square PCB	μ	μ	μ	μ	μ	μ	μ	-	μ	μ	μ	-
	CMDA42 CMDA48	Ø8x5.55mm	μ	μ	μ	μ	μ	μ	μ	-	μ	μ	-	-
	CMDA43 CMDA49	Ø8x5.55mm on Star PCB	μ	μ	μ	μ	μ	μ	μ	-	μ	μ	-	-
	CMDA44 CMDA50	Ø8x5.55mm on Square PCB	μ	μ	μ	μ	μ	μ	μ	-	μ	μ	-	-
	CMDA30RGB	9x9x4mm	-	-	-	-	-	-	-	μ	-	-	-	μ
	CMDA31RGB	9x9x4mm on Star PCB	-	-	-	-	-	-	-	μ	-	-	-	μ
	CMDA59RGB	Ø8x2.3mm	-	-	-	-	-	-	-	μ	-	-	-	μ

● standard ○ available on request — please contact our sales representative



8BA 3 hVI dgY zWZg c i] Z b Vcj [Xj] g c \ d [A: 9 hVcY A: 9 VrhZb Wzh#8BA d[[ZghVI YZ kVgZin d[ egdY] Xhji 8c\ A: 9 hVhVa] i hdj gZ#D j gacZ d[ YhVgZi Z A: 9 hXdcHh d[ Vdi] i] gj ] d z \ VcY HB I egdY] Xh c Vaid [i] Z hVcYVg' cY] hgn hczh cXg Y c \ ( b b ! \* b b ! % % ! % % ! % % ! EA88 VcY b Vcn di] Zg#6 a8BA 3 A: 9 hVgZ kVhVW d[[i] Z'h] Zq c V I YZ kVgZin d[ XdalghVcY' ciZcht Zh# I ] Z ah c \ WZall ' Xdcivch \ ZcZgX egdY] Xi c [dgb V ctc#

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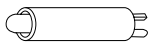






Image	Package	Series Number	RED				ORANGE	AMBER	YELLOW		GREEN		BLUE		WHITE	BI COLOR		TRI COLOUR	Intensity Range (mcd)	Viewing angle range (°)
			GaP (700)	GaAlAs (660)	GaAsP (635)	AlInGaP (624-630)	AlInGaP (605-615)	GaAsP (605)	AlInGaP (590)	GaAsP (585)	AlInGaP (571-574)	GaP (555-565)	InGaN (505-525)	InGaN (466-470)	SiC (430)	InGaN	Red/Green	Yellow/Green		
	Right Angle	CMD12-21 CMD11504	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	—	1.5 - 230	20 - 130
	PLCC	CS 100 CMD67-21 CMD67-22	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	2.5 - 700	60 - 130
	0603	CS010 CMDA19 CMDA6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.4 - 200	70 - 170
	0805	CS020 CMDA5 CMD17-21	●	●	●	●	●	●	●	●	●	●	●	●	●	—	—	—	1 - 200	30 - 170
	1206	CS025 CMDA2 CMD15-21	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.7 - 460	20 - 170
	1208	7016X	●	●	●	●	●	●	●	●	●	●	●	●	—	—	—	2.2 - 25	110	
	1210	7011X	—	—	—	—	—	—	—	—	—	—	—	—	●	●	—	3 - 100	60 - 140	
	Gull Wing	CMD28-21	●	●	●	●	●	●	●	●	●	●	—	—	●	●	—	0.1 - 40	125 - 150	
	Bright Angle	6200 6255	●	●	●	●	●	●	●	●	●	●	●	●	—	—	—	0.5 - 10	25	
	Gull Wing	CMD91-21/TR7 CMD95-21/TR7	●	●	●	●	●	●	●	●	●	●	●	●	—	—	—	11.5 - 2300	25 - 150	
	Yoke Bend	CMD91-21/TR9 CMD95-21/TR9	●	●	●	●	●	●	●	●	●	●	●	●	—	—	—	11.5 - 2300	25 - 150	
	Z-Bend	CMD91-21/TR10 CMD95-21/TR10	●	●	●	●	●	●	●	●	●	●	●	●	—	—	—	11.5 - 2300	25 - 150	
	SOT-23	CS130	—	●	●	—	—	—	—	●	●	●	—	—	—	—	—	5 - 100	140	
	5mm Discrete LED	CT501 43xxH CMDxxx	—	●	●	—	—	—	—	●	●	●	●	●	●	●	●	0.1 - 14000	12 - 100	
	3mm Discrete LED	CT301 43xxF CMDxx	—	●	●	—	—	—	—	●	●	●	●	●	●	●	—	0.3 - 11000	16 - 180	
	Rectangular LED	CMD5-124	—	—	●	—	—	—	—	●	—	—	—	—	●	—	—	1 - 6	100	
	Rectangle LED	43xxR 43xxD	—	—	●	—	—	—	—	●	—	—	—	—	●	●	—	1 - 20	100 - 150	
	5mm 3 ledged LED	CMD339	—	—	—	—	—	—	—	—	—	—	—	—	●	●	—	1-5	7	
		4361H	—	—	—	—	—	—	—	—	—	—	—	—	—	●	●	—	1.5 - 50	54 - 75
	3mm 3 ledged LED	4361L	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	4 - 12	60 - 70	
	3mm flat top 3 ledged	4361M	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	20 - 4	60 - 70	
	1.8 x 5.3 3 ledged LED	4362D	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	0.25 - 4.5	60 - 100	

● standard ○ available on request — please contact our sales representative



8BA 3 A 9 6Hzb WzhVz' kVAVZ' c' Wdi' g\i' VcVz' VcY' kZg' XvaeV' VZ' VcY' j' i' cZ' i' j' Z' 8BA' 3' cZ' d[ ] \ ' f' j' Van' A' 9h#EVgh' g' Vc' Z' c' kdaVZ' [gdb' ' K' id' & K' VcY' c' X' ggZci' [gdb' ' b 6'id'' %b #1 ] Z' J' A' . ) K%] dj' h' c' h' Zch' g' z' egdeZgA: 9' Va' c' b' Zci#  
 l ] Z' a' i' c' \ WZal' ' Xdc' i' V' ch' \ ZcZgX' eglY' X' i' c' [dgb' V' c' #

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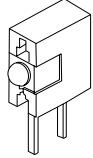
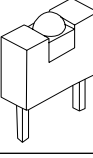
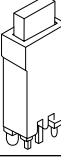
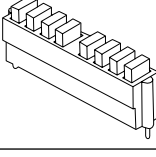
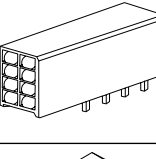
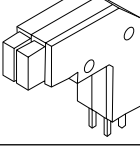
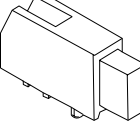
Package	Series Number	RED				ORANGE	AMBER	YELLOW		GREEN		BLUE		WHITE	BI COLOR		Intensity Range (mcd)	Low Current	Integral Resistor
		GaP (700)	GaAlAs (660)	GaAsP (635)	AlInGaP (630)	AlInGaP (610)	GaAsP (605)	AlInGaP (590)	GaAsP (585)	AlInGaP (574)	GaP (555-565)	InGaN (505-525)	InGaN (470)	SiC (430)	InGaN	Red/Green			
	5300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	2.0 - 160	●	●
	5341	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	2.0 - 160	●	●
	5300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	2.0 - 160	●	●
	5306	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	2.0 - 160	●	●
	5640	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	2.0 - 160	●	●
	5390	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	2.0 - 160	●	●
	5670	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	2.0 - 160	●	●
	5610	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
	5311	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
	5321	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Dual Mounted	5322	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Rt Angle	5600	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
	5320	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Rt Angle 2 Array	5365	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Rt Angle Array	5360	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
	5324	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Rt Angle Array	5324	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Rt Angle Array	5326	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
	5680	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Bi Level	553-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Bi Level Array	5681	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Bi Level 2 Array	5684	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Tri Level	5693	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●
3mm Quad Level	5694	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1.8 - 60	●	●

● standard ○ available on request — please contact our sales representative



8BA 3 A: 9 6Hzb WzhVg' kVAVZ' c' Wli] g\]i VcVz Vcy kZg XvaeV VZ Vcy j i aZ i] Z 8BA 3 aZ d[ ] ^] f] Vain A: 9 h#EVgh d\c\Z' c' kdaVZ [gdb ' ' K' id & K Vcy' c' X] ggZci [gdb ' ' b 6 id' ' %b 6#1 J Z J A. ) K%] dj h c\h Zch g' egleZgA: 9 V\cb Zci# I J Z' ari c\ VZal ' Xdciv\ch\ZcZgXegY] Xi' c[dgb M' c#c#

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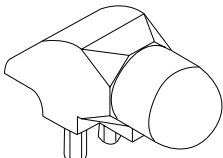
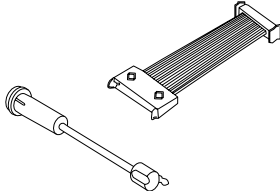
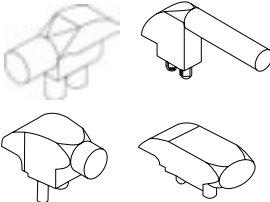
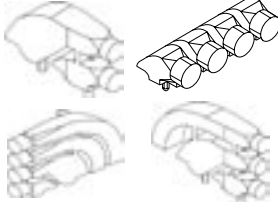
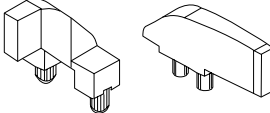
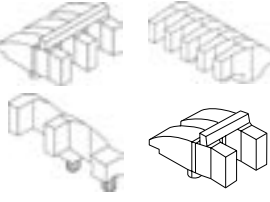

Package	Series Number	RED				ORANGE	AMBER	YELLOW		GREEN		BLUE	WHITE	BI COLOR	Intensity Range (mcd)	Low Current	Integral Resistor			
		GaP (700)	GaAlAs (660)	GaAsP (635)	AlInGaP (630)	AlInGaP (610)	GaAsP (605)	AlInGaP (590)	GaAsP (585)	AlInGaP (574)	GaP (555-565)	InGaN (505-525)	InGaN (470)	SiC (430)				InGaN	Red/Green	Yellow/Green
	2mm Rt Angle	5350	-	●	●	●	-	-	●	●	●	●	●	-	-	-	-	0.5 - 5	●	●
	2mm Vertical	5370	-	●	●	●	-	-	●	●	-	-	-	-	-	-	-	0.5 - 5	●	●
	Rectangle Vertical	5610	-	●	●	●	-	-	●	●	●	●	●	-	-	-	-	1 - 16	●	-
		5630	-	●	●	●	-	-	●	●	●	●	●	●	-	-	-	-	1 - 16	●
	Rectangle Vertical Array	5638	-	●	●	●	-	-	●	●	●	●	●	-	-	-	-	1 - 16	-	-
	Rectangle Rt Angle Quad Level	5894	-	●	●	●	-	-	●	●	●	●	●	-	-	-	-	1 - 16	-	-
		5994	-	●	●	●	-	-	●	●	●	●	●	●	-	-	-	-	1 - 16	-
	Rectangle Rt Angle Two Array	5632	-	●	●	●	-	-	●	●	●	●	●	-	-	-	-	1 - 16	-	-
	Rectangle Rt Angle	5636	●	-	●	-	-	●	-	●	-	●	-	-	-	-	-	1 - 16	-	-
		5635	●	-	●	-	-	●	-	●	-	●	-	-	-	-	-	1 - 16	-	-

● standard ○ available on request - please contact our sales representative

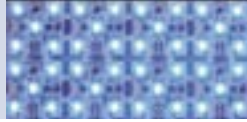
# Light pipes

7g\i cE eZh6 D ei XvaA\ ie eZh egYj XZ Vg\i! ZkZc' eYXm' dc' WWhZY' dc' dei Xvagh' ig/Xc' # ] Zn XdckZc' Zc'ia' VcY' ZXdcdb' Xva' egLeVMZ' a\ i' [gpb' HB I' A: 9 hi] gJ \ Vc\zhVcY' YhVcXZhid' V kZl' Wz' [gdc' zchj gVZ' e' dg' Zgid' egk' YZ' Vc' Mig' M' kZ! Vg\ i' VcY' ZkZc' eYXm' dc' d[ Zfj' eb' Zci' d[ [j' cX' dc' hVj' h' l' f] Vb' e' b' VaMiZc'j' M' dc' d[ a\ i' dj' ie' j' i' i] gJ \ i] Z' dei Xva[ WZgh' i] M' d' e' i] Z' WWhZ! M' i] Z' A: 9' a\ i' hJ' gZ! i' d' i] Z' zch' [gdc' # 8j' hdb' Zc\ e' ZZg' Y' 7g\ i' cE eZh6 D ei XvaA\ ie eZh [dg' he' ZXVc' ZY' Vee' aXm' d' ch' Vg' e' Xdch' Vci' YZkZ' a' eb' Zci' # I] Z' a\ i' e\ VZal' Xdc' i' Vch' \ Zc' Zg' X' egYj' X' e' [dgb' M' dc' #

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	7511 series	Right Angle 5mm		7512 series	Flexible Light Pipes
	7511 series	Right Angle 3mm		7511 series	Over Jack Style
	7511 series	Right Angle 3mm, Multiple Position		7511 series	Vertical
	7511 series	Right Angle Rectangular		7511 series	Panel Mount
	7511 series	Right Angle Rectangular Multiple Position		7511 series	Miscellaneous And Custom
				7520 series	Surface Mount





8BA 3 A 9 B dY z hVg VkvWz e kvGdj h hZ h h VeZhVcY Xdai h VcY j i 20Z i] Z 8BA 3 acZ d[ ] ^] f j VanA 9 H# ] Z [ZM] gzhVg ZVm] VcYac! Xdb eWl Xdchig Xi dclalc\afZ heVc VcY adl b VciZcVcXZ Xdhi XdchVci Xj gZci gZj Ad dc VcY cd :6 fi J K gW M dc# ] Z ah e\WZall XdciVch\ZcZgXegYj Xi e[ dgb Vi dc#

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	Series Numbers	Size	Red	Amber	Yellow	Orange	Green	Blue	Cyan	Cool White	Warm White	RGB	Radiance Angle Range (degree)	Mounted LEDs	Lum. Flux	Voltage
	LM-Axxx-1x1	30 x 30 mm	●	—	●	●	●	●	—	●	—	—	120°	5 LEDs (G, B, W) 9 LEDs (R, Y, O)	210 - 720 mcd per LED	24 VDC
	LM-Axxx-2x2	60 x 60 mm	●	—	●	●	●	●	—	●	—	—	120°	20 LEDs (G, B, W) 36 LEDs (R, Y, O)	210 - 720 mcd per LED	24 VDC
	LM-Axxx-2x4	60 x 120 mm	●	—	●	●	●	●	—	●	—	—	120°	40 LEDs (G, B, W) 72 LEDs (R, Y, O)	210 - 720 mcd per LED	24 VDC
	LM-Axxx-6x12	180 x 360 mm	●	—	●	●	●	●	—	●	—	—	120°	360 LEDs (G, B, W) 648 LEDs (R, Y, O)	210 - 720 mcd per LED	24 VDC
	LM-Bxxx-1	200 x 10 mm	●	—	●	●	●	●	—	●	—	—	120°	18 LEDs	210 - 720 mcd per LED	24 VDC
	LM-Bxxx-2	400 x 10 mm	●	—	●	●	●	●	—	●	—	—	120°	36 LEDs	210 - 720 mcd per LED	24 VDC
	LM-FB26x	364 x 10 mm	●	—	●	—	●	●	—	●	—	—	120°	26	200 - 850 mcd per LED	10 VDC
	LM-FB26x-12	364 x 10 mm	●	—	●	—	●	●	—	●	—	—	120°	26	60 - 850 mcd per LED	12 VDC
	LM-FB20F-12	400 x 15 mm	—	—	—	—	—	—	—	—	—	●	100°	20	1.5 / 3.5 / 2.3 lm per 4 LEDs	12 VDC
	Circle Module	LM-Cxxx	45 mm diameter	●	—	●	●	●	—	●	—	—	120°	10 LEDs (G, B, W) 18 LEDs (R, Y, O)	210 - 640 mcd per LED	24 VDC
	Hi-Flux Channel Letter Module Strip Module 1	9520CL-xxx	25 x 25 mm (1 x 1 inches)	●	●	—	●	●	●	●	●	—	120°	1 per Module	32 - 160 lm	1.8 - 2.6 VDC 3.0 - 4.1 VDC
	Hi-Brite Channel Letter Module Strip Module 4	9500CL-xxx	30 x 30 mm (1.18 x 1.18 inches)	●	●	—	●	●	●	●	●	—	120°	4 per Module	3 - 25	9.0 - 14.0 VDC
	TransLED-Module	CM-200LM012-xxx	65 x 62 mm	●	●	—	●	●	●	●	●	—	120°	12	90 - 480 lm	8.0 - 10.4 VDC 12.0 - 16.4 VDC
	TransLED-Module	CM-200LM018-xxx	65 x 62 mm	●	●	—	●	●	●	●	●	—	120°	18	140 - 710 lm	12.0 - 15.6 VDC 18.0 - 24.6 VDC

● standard ○ available on request — please contact our sales representative



8BA 3 A 9 B dY z hVg V kVAWZ c kVgdj h hZ h H VeZh VcY Xda h VcY j i Z 8BA 3 acZ d[ ] ^] f j VanA 9 H# ] Z [ZM] g h Vg Z Vm] VcY ac! Xdb eW Xdchj X dcl ac\ aZ heVc VcY adl b Vci ZcVcZ Xdh! XdchVci Xj gZci gZj aI dc VcY cd G fi J K gW M dc# ] Z a h e\ WZ all Xdci Vch VcZgX egdYj X i cldg V dc#



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		Series Number	Size	Red	Amber	Green	Blue	Cyan	Cool White	Warm White	Filtered Warm White	RGB	Radiance Angle Range (degree)	Mounted LEDs per Module	Lum. Flux	Power consumption	max current consumption	Voltage
	Power Strip-Module 8W	ILL2A0005x	302 x 13 mm	●	●	●	●	●	●	●	—	—	120°	6 x 1W	72 - 264 lm	8W	350 mA	
	LED Comp-Module 5°	ILL5A0002x	Ø 44.2 x 17 mm	●	●	●	●	●	●	●	●	—	5°	1 x 3W	19 - 64 lm	3W	250 - 325 mA	10-30 VDC
	LED Comp-Module 25°			●	●	●	●	●	●	●	●	●	—	25°	1 x 3W	19 - 64 lm	3W	250 - 325 mA
	LED Power Module Round 3W 5°	ILL3A0001x	Ø 44.2 x 15.3 mm	●	●	●	●	●	●	●	—	—	5°	1 x 3W	19 - 64 lm	3W	700 mA	
	LED Power Module Round 3W 25°			●	●	●	●	●	●	●	●	—	—	25°	1 x 3W	19 - 64 lm	3W	700 mA
	LED Power Module Round 4W 11°	ILL3A0003x	Ø 32.5 x 17 mm	●	●	●	●	●	●	●	—	—	11°	3 x 1W	29 - 105 lm	4W	350 mA	
	LED Power Module Round 4W 24°			●	●	●	●	●	●	●	●	—	—	24°	3 x 1W	29 - 105 lm	4W	350 mA
	LED Power Module Round 9W 6°	ILL3A0004x	Ø 38.1 x 15.4 mm	●	●	●	●	●	●	●	—	—	6°	3 x 3W	57 - 192 lm	9W	700 mA	
	LED Power Module Round 9W 25°			●	●	●	●	●	●	●	●	—	—	25°	3 x 3W	57 - 192 lm	9W	700 mA
	LED Power Module Round 14W 6°	ILL3A0002x	Ø 44.2 x 15.3 mm	●	●	●	●	●	●	●	—	—	6°	5 x 3W	95 - 320 lm	14W	700 mA	
	LED Power Module Round 14W 25°			●	●	●	●	●	●	●	●	—	—	25°	5 x 3W	95 - 320 lm	14W	700 mA

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		Series Number	Size	Red	Amber	Green	Blue	Cyan	Cool White	Warm White	Filtered Warm White	Power consumption	Radiance Angle Range (degree)	Luminous Flux	Voltage
	Newport	ILL5A0001x	Ø 60 x 36 mm	●	●	●	●	●	●	●	●	3W	40°		10 - 30 VDC
	Sydney		Ø 55 mm							●		4W			10 - 30 VDC

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		Series Numbers	Size	Gap	Clear Lens	Satin Lens	12 VDC Bi-polar	24 VDC Bi-polar	130 VAC	240 VAC	Mounted LEDs
	Accentio Red	CMLxxxRS	Ø 75 x 25 mm	GX53	—	●	●	●	●	●	21
		CMLxxxRC		GX53	●	—	●	●	●	●	21
	Accentio Green	CMLxxxGS	Ø 75 x 25 mm	GX53	—	●	●	●	●	●	21
		CMLxxxGC		GX53	●	—	●	●	●	●	21
	Accentio Yellow	CMLxxxYS	Ø 75 x 25 mm	GX53	—	●	●	●	●	●	21
		CMLxxxYC		GX53	●	—	●	●	●	●	21
	Accentio Blue	CMLxxxBS	Ø 75 x 25 mm	GX53	—	●	●	●	●	●	21
		CMLxxxBC		GX53	●	—	●	●	●	●	21
	Accentio White	CMLxxxWS	Ø 75 x 25 mm	GX53	—	●	●	●	●	●	21
		CMLxxxWC		GX53	●	—	●	●	●	●	21
	GX53 Lamp Holder	CMLGX53xx	Ø 78.8 x 9.9 mm	GX53			●	●	●	●	
			Ø 75.8 x 5.75 mm	GX53			●	●	●	●	

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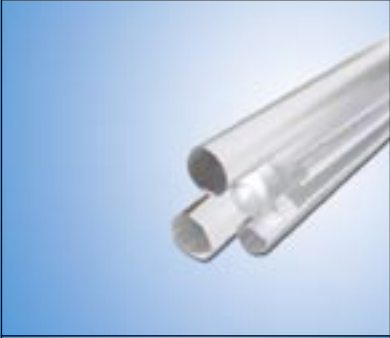
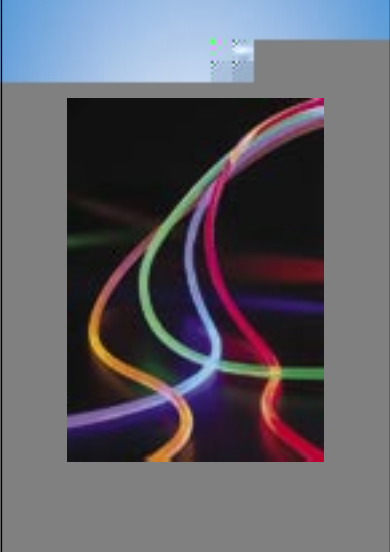
Light Engine types	Fits Right Light Guide and Side Light Cable sizes	Series Numbers	Red	Green	Amber	Blue	White	Luminous Flux (Lumens) or Luminous Intensity (Cd)	Voltage (VDC)	Maximum Current (mA)	Heat Sink
	5 mm 6.5 mm	8510LE15 Series	●	●	●	●	●	10 to 50 Cd	12	50 to 80	no
	10 mm 14 mm	8511LE16 Series	●	●	●	●	●	10 to 50 Cd	12	50 to 80	yes
	10 mm 12 mm 14 mm	8570LE12 Series	●	●	●	●	●	25 to 122 lm	2.5 - 3.4	800	yes

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	Light Guide Type	Series Numbers	Diameters (mm)	Viewing Angle	120 Diffusant	180 Diffusant	400 Diffusant	Lengths
	Rigid Light Guide	7530A Series	6.5	60°	—	—	—	up to 2.44 m (8 feet)
			10	90°	—	—	—	up to 1.83 m (6 feet)
			14	60°	—	—	—	up to 1.83 m (6 feet)
	Flexible Light Guide	754xSSx Series	5.5	360°	●	●	●	up to 4.57 m (15 feet)
			6.5	360°	●	●	●	up to 4.57 m (15 feet)
			10	360°	●	●	●	up to 4.57 m (15 feet)
			12	360°	●	●	●	up to 4.57 m (15 feet)
			14	360°	●	●	●	up to 4.57 m (15 feet)

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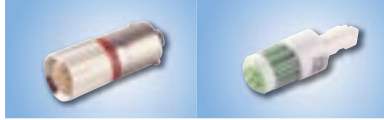


8BA 1 HVgA: 9hVgZ Vc Z[[Zi kZ VáZgcV kZ [dg VWhZY cXcYzhZci áb eh#7hZY A: 9h] kZ Vcj b WZgd[ VYkVciVZhI ]Zc Xdb eVgZY id b cMj g' áb eh#  
 : ZVij gzh cXa YZ V aic\ aZ ZneZXVcXnd[ ] e id &%%%%& dj gh l ↑ adl edl ZgXdchj bei d c#  
 7hZY A: 9hVgZ h] dX VcY kVgM d c egld[ VcY Xdb Z c V l YZ kVgZin d[ XdaIgf h inzh VcY kda VZh#  
 I ] Z ah c VZail Xdci Vch VZcZgX egly] X c [dgb V d c#

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Image	Series Number	Size	Base Type	Number of LEDs	Red	Green	Yellow	Blue	White	Flashing	Low voltage DC (24V, 28V)	Low voltage AC/DC (24V, 28V)	High voltage DC (130V)	High voltage AC (130V, 230V)	High voltage AC/DC (130V, 230V)	Special voltages
					●	●	●	●	●	●	●	●	●	●	●	●
	15015	T-1 (3mm)	Bi-Pin	1	●	●	●	●	●	-	-	●	-	-	-	○
	15095	T-1 3/4 (6mm)	Bi-Pin	1	●	●	●	●	●	-	-	●	-	-	-	○
	15041	T5.5k	-	1	●	●	●	●	●	-	-	●	-	-	-	○
	15051	T5.5	-	1	●	●	●	●	●	-	-	●	-	-	-	○
	15071	T6.8	-	1	●	●	●	●	●	-	-	●	-	-	-	○
	15086	T-2 (7mm)	PSB	1	●	●	●	●	●	-	-	●	-	-	-	○
	15087	T-2 (7mm)	ESB	1	●	●	●	●	●	-	-	●	-	-	-	○
	15101	T-1 3/4 (6mm)	MF SX6s	1	●	●	●	●	●	-	●	-	-	-	-	○
	1511A 1511E*	T-1 1/2 (5mm)	WB W2x4.6d	1	●	●	●	●	●	-	●*	●	-	-	-	○
	1511B 1511F*	T-3 1/4 (10mm)	WB W2.1x9.5d	1	●	●	●	●	●	-	●*	●	-	-	-	○
	15121	T-1 3/4 (6mm)	MG S5.7s	1	●	●	●	●	●	-	-	●	-	-	-	○
	15161	T-2 (7x20mm)	BA7s	1	●	●	●	●	●	-	-	●	-	-	-	○
	18600* 18606*** 18608**	T-3 1/4 (10x25mm)	BA9s	1 or 3	●	●	●	●	●	-	-	●*	●**	●***	-	○
	18601* 18607*** 18609**	T-3 1/4 (10x25mm)	E10	1 or 3	●	●	●	●	●	-	-	●*	●**	●***	-	○
	18630* 18631** (18640)* (18641)**	T-5 (16x35mm)	BA15d	3 or 6	●	●	●	●	●	-	-	●*	-	-	●**	○
	18633* 18634** (18643)* (18644)**	T-5 (16x35mm)	BA15s	3 or 6	●	●	●	●	●	-	-	●*	-	-	●**	○
	18636* 18637** (18646)* (18647)**	T-5 (16x35mm)	E14	3 or 6	●	●	●	●	●	-	-	●*	-	-	●**	○
	18580* 18581**	T-6 1/3 (20x46mm)	BA15d	9	●	●	●	●	●	-	-	●*	-	●**	-	○
	18680	11x39mm	-	3	●	●	●	●	●	-	-	●	-	-	-	○

● standard ○ available on request — please contact our sales representative



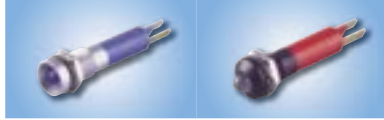
8BA 1 BjaA 9hVz Vc Z[Zi kZ VãZgcV kZ [dg VhZY cXcYZhZci ab eh#7hZY A 9h] VkZ Vcj b WZgd[ WKVciVZhI ]Zc Xdb eVgY id b eMj g' ab eh#  
 :ZMj gh cXa YZ Vãc\ aZ ZneZXVcXnd[ ] e id %%%% dj gh I ↑ adl edl ZgXdch bei d#c#  
 7hZY A 9hVgZ h] dX VcY kVgM dc egld[ VcY Xdb Z c V I YZ kVgZin d[ XdaIghinz hVcY kdaVZh#  
 I ]Z ah c\ VZail XdciVch\ZcZgXegY] X c[ dgb V d#c#

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	Series Number	Size	Base Type	Number of LED Chips	Red	Green	Yellow	Blue	White	Flashing	Low voltage DC (24V, 28V)	Low voltage AC/DC (24V, 28V)	High voltage DC (130V)	High voltage AC (130V, 230V)	High voltage AC/DC (130V, 230V)	Special voltages
	15010 (15012)	T-1 (3mm)	Bi-Pin	4 or 6	●	●	●	-	-	-	●	-	-	-	-	○
	15090 (15091)	T-1 3/4 (6mm)	Bi-Pin	4 or 6	●	●	●	-	-	-	●	-	-	-	-	○
	15020 (15021)	T4.5		4 or 6	●	●	●	-	-	-	●	-	-	-	-	○
	15030 (15031)	T4.6		4 or 6	●	●	●	-	-	-	●	-	-	-	-	○
	15040 (15041)	T5.5k		4 or 6	●	●	●	-	-	-	●	-	-	-	-	○
	15050 (15051)	T5.5		4 or 6	●	●	●	-	-	-	●	-	-	-	-	○
	15080 (15071)	T6.8		4 or 6	●	●	●	-	-	-	●	-	-	-	-	○
	15100 (15101)	T-1 3/4 (6mm)	MF SX6s	4 or 6	●	●	●	-	-	-	●	-	-	-	-	○
	15110* (15112)* (15113)**	T-1 1/2 (5mm)	WB W2x4.6d	4 or 6	●	●	●	-	-	-	●*	●**	-	-	-	○
	15120* (15121)* (15130)**	T-1 3/4 (6mm)	MG S5.7s	4 or 6	●	●	●	-	-	-	●*	●**	-	-	-	○
	15140* (15139)*	T-1 1/2 (5mm)	BA5s	4 or 6	●	●	●	-	-	-	●*	-	-	-	-	○
	15161	T-2 (7mm)	BA7s	6	●	●	●	-	-	-	●	-	-	-	-	○
	18270** 18271*	T-3 1/4 (10x21mm)	BA9s	8	●	●	●	-	-	-	●*	●**	-	-	-	○
	18310** 18311* 18240	T-3 1/4 (10x28mm)	BA9s	8	●	●	●	-	-	●	●*	●**	-	-	-	○
	18290** 18291*	T-3 1/4 (10x21mm)	E10	8	●	●	●	-	-	-	●*	●**	-	-	-	○
	18330** 18331*	T-3 1/4 (10x28mm)	E10	8	●	●	●	-	-	-	●*	●**	-	-	-	○

● standard ○ available on request — please contact our sales representative

# Panel Mount Indicators



8BA 3 d[ZgheVcZab dj ci cYXmdghb Vcj [Xj gZYI 1] A: 9!C Zdc dg: eXVcYZhZci a] i hdj gZth# ] ZhZ cYXmdghVgZ kVvAVZ c Vcj b VZgd[Yf[ZgZci aZch VcYiZgb cMdc hnzHl 1] kdaVZhd[" K s " \*%k kVvAVZ d["i] Z" h] Z4# I ] Z ah c\ VZail XdciVch\ZcZgXegdY] X c[dgb V c#c#

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	Series Number	Fixing Hole Diameter (mm)	Bezel type	Lamp Type	Red	Green	Yellow	Amber	Blue	White	Clear	Red/Green/Yellow	Infrared	Round lens	Flat Lens	Conical lens	Metal Bezel	Plastic Bezel	Without resistor	Low voltage (6V, 12V, 24V, 28V)	High voltage AC (105 - 130V, 208 - 250V)	Special voltages	
	5111	4	Flat bezel	LED	●	●	●	●	○	○	-	○	-	●	-	-	-	●	●	-	-	-	
	5110				●	●	●	○	○	○	-	○	-	●	-	-	-	●	●	-	-	-	-
	5200	4.8	Flat bezel	LED	●	●	●	○	○	○	-	○	-	●	-	-	-	●	●	-	-	-	
	5210				●	●	●	○	○	○	-	○	-	●	-	-	-	●	●	-	-	-	-
	6039-0004-304	4.9	Flat bezel	LED	●	●	●	○	○	○	-	○	-	●	-	-	-	●	●	-	-	-	
	3990	5.5	Flat bezel	LED	●	●	●	●	○	○	-	○	-	●	-	-	-	●	●	-	-	-	
	1900	6	Superflat bezel	LED	●	●	●	-	-	-	-	-	-	-	●	-	●	-	-	●	-	○	
	1900			LED	●	●	●	-	-	-	-	-	-	-	-	●	-	●	-	●	-	-	-
	1902		Prominent bezel	LED	●	●	●	-	●	●	-	-	-	●	-	-	●	-	-	●	-	-	○
	1902			LED	●	●	●	-	●	●	-	-	-	●	-	-	●	-	●	-	-	-	-
	1903		Recessed bezel	LED	●	●	●	-	●	●	-	-	-	●	-	-	●	-	-	●	-	-	○
	1903			LED	●	●	●	-	●	●	-	-	-	●	-	-	●	-	●	-	-	-	-
	5101		6.4	Flat bezel	LED	●	●	●	●	●	○	-	●	-	●	-	-	-	●	●	●	-	-
	5100					●	●	●	●	●	○	-	●	-	●	-	-	-	●	●	●	-	-
	5120		7.5	Flat bezel	LED	●	●	●	-	-	-	-	-	-	●	-	-	-	●	●	-	-	-
	2110		7.9	Flat bezel	NEON INCANDESCENT LED	●	●	-	●	●	●	●	-	-	-	●	-	-	●	-	-	●	-
	2195	NEON INCANDESCENT LED			●	●	-	●	●	●	●	●	-	-	●	-	-	-	●	-	-	●	-
	2191	INCANDESCENT			●	●	-	●	●	●	●	●	-	-	-	-	●	-	●	-	-	-	-
	4304	NEON INCANDESCENT LED			●	●	●	●	●	●	-	●	-	-	-	●	-	-	●	-	-	●	●
	2194	INCANDESCENT			●	●	●	●	●	●	-	●	-	-	-	●	-	-	●	-	-	●	●

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	Series Number	Fixing Hole Diameter (mm)	Bezel type	Lamp Type	Red	Green	Yellow	Amber	Blue	White								

# T5 / T10 WB Based LEDs



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	Series Numbers	Size	Base Type	Number of LEDs	Red	Green	Yellow	Blue	White	Flashing	Low voltage DC (24V, 28V)	Low voltage AC/DC (24V, 28V)	High voltage DC (130V)	High voltage AC (130V, 230V)	High voltage AC/DC (130V, 230V)	Special voltages
	1511E	T-1 1/2 (5mm)	WB W2x4.6d	1	●	●	●	●	●	—	●	—	—	—	—	○
	1511F	T-3 1/4 (10mm)	WB W2.1x9.5d	1	●	●	●	●	●	—	●	—	—	—	—	○

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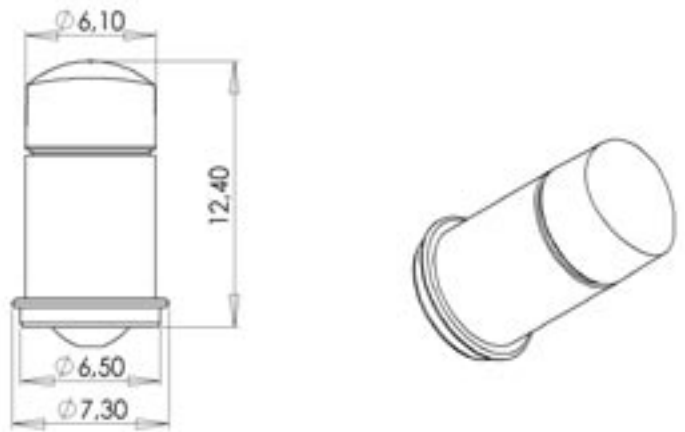




1] Z'ati e\WZall 'Xdciv'eh\ZcZgX'egY] Xi 'e[dgb M'c#

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## Mechanical dimensions (mm)



## Technical operating data

	Part N°	Color	Lens	Power (W)	Voltage (V)	Typical Light Output (lm)
		white	special	0,3	28	4

## Minimum and maximum ratings

Part N°	Min/max Voltage (V)	Operating Temperature (°C)	Storage Temperature (°C)	max Current Consumption (mA)
	26/30	-40 to 60	-40 to 85	13

# Lamps



8 B A 3 'cXcYzHxZci 'ab eh cXj YZ VY kZgZ' gVcZ' d[ Xdc[N] gM dchVcY' eZgdg VcXZ X] VgM Zgh Xh# 8dc[N] gM dch cXj YZ i] Z' WWhXl' gZ iZg' cVcVcY Vl' YZ' kVgZin d[ WWhZ' h'nZh [gdb 'b Xgd' b YZi [ac\Z id' ciZg ZY MZ' hXZi # ] ZfZ' ab eh VgZ' Vc' YZVaa\] i' hJ' gZ [dg Vaa VeeaxM d'ch WwX 'a\] i' c\ ' b cV d'c' VcY' cY Xl d'c# ] Zn VgZ' kVcVcZ' c' V l' YZ' gVcZ' d[ kdaVZh [gdb 'h'adl 'h' & # K j e id' h] ' \ ] ' h' ) % K # I ] Z' ah c\ VZadl ' Xdc i Vch \ ZcZgX' eglY] X' c [dgb V' d'c#

Please visit our Website at [www.cml-it.com](http://www.cml-it.com) for a more detailed listing of product specifications.

Bulb Shape	Size		Approximate diameter		Voltage range (V)	Light Output Range (Lm)	Light Output Range (MSCP)	Wire terminal	Flange Base	Groove Base	Screw Base	Bayonet Base	Bi-Pin Base	Wedge Base	Slide Base	BA7s	Other Type
	Inch	mm	Inch	mm													
	B-3 1/2	—	0.445	11.3	1.9 - 12.5	1.9 - 65.7	0.15 - 5.23	—	—	—	—	—	—	—	—	—	●
	B-6	—	0.78	19.81	6 - 28	42.7 - 201	3.4 - 16	—	—	—	—	●	—	—	—	—	—
	C7	—	0.875	22.23	115 - 125	16.3 - 56.5	1.3 - 4.5	—	—	—	●	●	—	—	—	—	—
	G-2	—	0.25	6.35	7 - 28	0.83 - 4	0.066 - 0.32	—	—	—	●	—	—	—	—	—	—
	G-3 1/2	G11	0.433	11	1.25 - 28	0.5 - 25.1	0.02 - 3.5	—	—	—	●	●	—	—	—	—	●
	G-4 1/2	—	0.59	15	1.25 - 28	1.2 - 45.2	0.1 - 3.6	—	—	—	●	●	—	—	—	—	●
	G-6	—	0.75	19	6.5 - 32	20.1 - 75.4	1.6 - 6	—	—	—	●	●	—	—	—	—	—
	GTL-1 1/2	—	0.235	6	2.5	—	—	—	—	●	—	—	—	—	—	—	—
	GTL-1 3/4	—	0.235	6	2.5	—	—	●	●	—	—	—	—	—	—	—	—
	GTL-3	—	0.375	9.53	1.2 - 3.8	—	—	—	—	●	—	—	—	—	—	—	—
	R-12	—	1.546	39.26	6 - 28	—	—	—	—	—	—	●	—	—	—	—	—
	RP-11	—	1.42	36.1	5.5 - 44	263.9 - 1319.4	21 - 105	—	—	—	—	●	—	—	—	—	—
	S-6	—	0.75	19	6 - 250	—	0.95 - 4.8	—	—	—	●	●	—	—	—	—	—
	S-8	—	1.04	26.44	4 - 45	25.1 - 628.3	2 - 50	—	—	—	—	●	—	—	—	—	●
	S-11	—	1.42	36	6.2 - 28	402.1 - 628.3	32 - 50	—	—	—	—	●	—	—	—	—	—
	T-3/4	—	0.094	2.39	1.5 - 5	0.013 - 2.5	0.001 - 0.2	●	●	—	—	—	●	—	—	—	—
	T-1	T3	0.125	3.18	1.25 - 28	0.012 - 3.1	0.001 - 0.25	●	●	—	—	—	●	—	—	—	—
	T-1 1/4	T4	0.168	4.26	1.3 - 28	0.025 - 7.9	0.002 - 0.63	●	●	—	●	—	●	●	—	—	—
	T-1 1/2	T5	0.197	5	5 - 28	0.3 - 18.6	0.024 - 1.5	●	—	—	—	—	●	●	—	—	—
	T-1 3/4	T5.6	0.22	5.85	1.30 - 60	0.012	0.001 - 1.5	●	●	●	●	—	●	●	—	—	—
	T-2	—	0.275 - 0.325	6.99 - 8.26	4.00 - 120	—	60 - 4000 EFC (*)	●	—	—	—	●	—	—	●	—	—
	T6.5	0.248 - 0.263	6.3 - 6.7	6 - 24	8 - 23	0.64 - 1.8	—	—	—	—	—	—	—	●	—	—	—
	T-2 1/8	T6.8	0.268	6.8	6 - 24	2.5 - 8.8	0.2 - 0.7	—	—	—	—	—	—	—	—	—	●
	T7	0.272 - 0.279	6.9 - 7.1	12 - 24	8 - 23.5	0.64 - 1.87	—	—	—	—	—	—	—	●	—	—	—
	T-2 7/8	T9	0.355	9	6 - 60	2.5 - 6.3	0.2 - 0.5	—	—	—	—	●	—	—	—	—	—
	T-3 1/4	T10	0.4	10.3	1.35 - 130	1 - 84	0.08 - 6.68	—	—	—	●	●	—	●	—	—	—
	T-4 1/2	—	0.588	14.94	6.3 - 130	18.9 - 113.1	1.5 - 9	—	—	—	●	●	—	—	—	—	—
	T-5	T15	0.6	16	3.5 - 120	44 - 310	3.2 - 25	—	—	—	●	●	—	—	—	—	—
	T-6	—	0.75	19.05	60 - 150	105.5 - 119.4	8.4 - 9.5	—	—	—	●	●	—	—	—	—	—
	T-6 1/3	T20	0.787	20	12	440 - 460	35 - 36.6	—	—	—	—	—	—	—	●	—	—
	T-6 1/2	—	0.813	20.65	115 - 125	90.5 - 251.3	7.2 - 20	—	—	—	●	●	—	—	—	—	—
T-7	—	0.875	22.23	115 - 125	100.5 - 125.6	8 - 10	—	—	—	●	●	—	—	—	—	—	
T-8	—	1.06	26.92	115 - 230	149.5 - 235	11.9 - 18.7	—	—	—	●	●	—	—	—	—	—	
	TL-3/4	—	0.094	2.39	5	—	—	●	●	—	—	—	●	—	—	—	—
	TL-1	—	0.125	3.18	1.5 - 5	—	—	●	●	—	—	—	●	—	—	—	—
	TL-1 3/4	—	0.23	5.85	2.5 - 14	—	—	●	●	●	●	—	●	—	—	—	—

● standard ○ available on request — please contact our sales representative

# Neon Lamps



8BA 1 acZ d[ C Zdc ab eh cXj YZ! hVcYVgY 1 cZ iZgp cVaab ehVn! ZaVhb VcnVWhZY dei tch#Ab ehVgZ YZhAcZY [dgj hZ Vi acZ kdaVZhdf[ &%%& \* K68 dg ' %%& \* %K68! VcY Xdb Z l ↑] dgI ↑] dj i gzhhdghViVX] ZY' id i] Z' ab e# ] Z' aWhdc i] Z' ab ehXc Vard WZ Xj i VcY [dgp ZY id Xj Hdb h'ohZj edc' gZf] Zh# I ] Z' ah c\ VZail Xdc iVch\ZcZgXegdY] X' c[dgp Vi t'c#

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Bulb Shape	SIZE	BASE TYPES					COLOR		VOLTAGE			HOUSING	
		Wire Terminal	Midget Flange Base	Slide Base	Bayonet Base	Screw Base	Red	Green	115VAC	230VAC	400VAC	White plastic	Clear plastic
	G-10	-	-	-	●	-	●	-	●	●	○	-	-
	S-11	-	-	-	-	●	●	-	●	●	○	-	-
	S-7	-	-	-	●	-	●	-	●	●	○	-	-
	S-14	-	-	-	●	●	●	-	●	●	○	-	-
	T-1 1/4	●	-	-	-	-	●	●	●	●	○	-	-
	T-1 3/4	●	●	-	-	-	●	●	●	●	○	-	-
	T-2	-	-	●	-	-	●	-	●	●	○	-	-
	T-3 1/4	-	-	-	●	●	●	●	●	○	●	●	
	T4 1/2	-	-	-	-	●	●	●	●	○	●	●	

● standard ○ available on request - please contact our sales representative

# Socketed Lamps



8BA 1 'hi] Z'egzb Zgb Vcj [Wij g'gd[hdX ZiZY 'ab eh#D] gYZh'c'ZneZgi hZ 'h'cj b WZgdcZ'1 '1] 'b dh' V'j idb di kZ' b Vcj [Wij g'gh'heZX[n'e\ '8BA'1 'VhD: B # I ] Zh' egdYj XihXdb eghZ V[ab Zci 'ab e dgA: 9 'chZgZY 'cid Vea'hi XhdX Zi#tb Z kVg'cih] VkZ'i] Z'ab e eZgb VcZcian 'chVazY'1 '1] 'c'i] Z'hdX Zi'j h'e\l' ZAYZ' VhZb VhiXZ] c'f] Zh[dgj 'ab VZ'Xdciv' g'aWah'di] ZgineZhj i'bz'1 'gZ'1 g'e [dgHB'9 'VcY'il 'h' VcY'ij g'c'hiVam'dc# I ] Z'ah'e\ VZail 'Xdciv'ch\ZcZgX'egdYj X'ic[dg'v'ic#

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Bulb Shape	Bulb Type		Approximate diameter		Voltage range (V)	Light Output Range (Lm)	Light Output Range (MSCP)	Coloured silicon caps available	PCB Twist Lock Single Contact	PCB Twist Lock Double Contact	Twist Lock With connector	Twist Lock With connector - Right Angle	Twist Lock With Wire Terminals	Twist Lock Neo-Wedge	BI-Pin	SMD	Snap In	Other
	Inch	mm	inch	mm														
		P21	1.04	26.5	6-24	390-530	31-42.1	-	-	-	-	●	-	-	-	-	-	-
	T-1	T3	0.125	3	5-14	0.9-3.1	0.08-0.25	●	-	-	-	-	-	●	●	●	-	-
	T-1 1/4	T4	0.166	4	14	3.8-6.3	0.3-0.5	●	-	-	-	-	-	●	●	●	●	-
	T-1 1/2	T5	0.197	5	6-28	0.8-23.5	0.06-1.87	●	●	●	-	-	●	●	●	●	-	-
	T-1 3/4	T5.6	0.22	5.6	24-28	4-13.8	0.32-1.1	●	●	●	-	-	-	-	-	-	-	-
	T-2	T6	0.255	6	12-14	5.5-37.7	0.44-3	●	-	●	-	-	-	●	-	-	-	-
	T-2 1/4	T7	0.29	7	8-12	16.3	1.3	-	-	●	-	-	-	-	-	-	-	-
	T-3 1/4	T10	0.393	10	6.3-28	11-84	0.65-6.7	-	-	●	●	-	●	-	-	-	-	-
	T-5	T15	0.6	16	6-120	75.4-310	3.2-25	-	-	●	-	-	-	-	-	-	-	-

● standard ○ available on request — please contact our sales representative

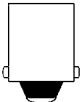
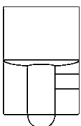


# Sockets



8BA 1 V1 dgā zWZg[dgi] Z b Vcj [Mj g' VcY'hj eean'd[āb e'hdX Zih eVgi X āgn [dgi] Z Vj idb di kZ' eYj hgn#D j ghdx Zih VgZ' YZhAcZY' VcY' b Vcj [Mj g'Y' fē"] dj hZij hē\ egZhdē' ē ZX' dē' b dā' ē\ VcY' b Zi Vahi Vb e ē\ iZX] c f j ZhL Z' hē ZX' VcZ' ē il' fi' VcY' ij gē' hdx Zih j hē\ e j h' ē l' ZYAZ' VWfZ' āb eh l' ] X' VgZ' Vj idb V' XVan VrhZb WZ'Y' VcY' izhi ZY' j hē\ hde] fi' XMY' izhi' VcY' ē hē ZX' dē' Zfj' ēb Zci#  
I ] Z' ah' ē\ VZail' XdcivCh\ZcZgX' egdYj' X' ē [dgb V' ēc#

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Bulb Base Type	Bulb Type		Approximate diameter		Voltage range (V)	PCB Twist Lock Single Contact	PCB Twist Lock Double Contact	Twist Lock With connector	Twist Lock With connector - Right Angle	Twist Lock Neo-Wedge	Relampable
	Inch	mm	inch	mm							
		P21	1.04	26.5	6-24	-	-	-	●	-	●
	T1 1/2	T5	0.197	5	12-24	●	●	-	-	●	●
	T1 3/4	T5.6	0.22	5.6	12-24	●	●	-	-	-	●
	T3 1/4	T10	0.393	10	12-24	-	●	●	-	●	●
	T5	T15	0.59	15	12-24	●	-	-	-	-	●

● standard ○ available on request — please contact our sales representative



# Aviation Lamps

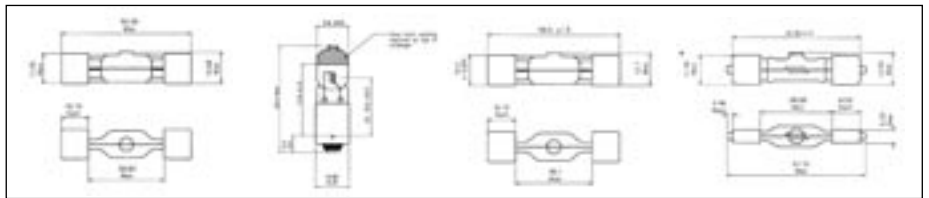


KZg Xlan'ciZ\gMZY YZhc! Zc\cZZgC!\b Vcj [Mx] gC!\VcY VhZb Wn XwWm Zhb V Z'8B A'gZhedchKZ'id'i] Z'cZZYhd[V\gM]i' b Vcj [Mx] gZghVcY' b VciZcVcXZ' [VXZ'hVgdj cY'i] Z'1 dgY#  
 : kZgn'kM'dc'ab e'l Z'egdYj XZ' h'YZhcZY'id' b ZZi' dgZmZZY' Xg'XVagZ'fj' gZb Zc'h [dg'a]i' dj'iej' i'VcY' hZgkXZ' aZ'#. Vx] 'YZhc' Vci X'eMZh Zck'gdc'b ZciVa' ZAZ'igXVa'VcY' e] di db Zi'gX XdcY'f'ch [dg V\gM]i' dg \gdj] cY' h'j' eedg' 'VeeaxM' dch#6cY' 8B A' c'heZx' d'c'i Z'h' c'!\ VcY' h'V' h'X'VaYdXj' b ZciM' d'c' hZi' i] Z' h'VcYVgY' [dgi] Z' cY' h'g#  
 l ] Z'gZ'h' a' h'V'ab e'i] M'l' acdi' dcan'YZakZgide' gMZ' eZgdg' VcZ' VcY' dei' b j' b' hZgkXZ' aZ' ""' f'l' a'Vad' Xdh' i'Z'h' [dgnj] 'id' dl' c'Vc' deZgMZ#  
 8] d'hZ' [gZb' V'VgdW' gVcZ' d[ h'nZ'h'VcY' deZgM' c\ X] VgM' Zgh' Xh' [dgVc' Zfj' Van' YkZgZ' gVcZ' d[ VeeaxM' dch#H Mj] h' cY' Xmdg' f'ri'g' b ZciM' d'c' a] i' c'!\ 8Wc' VcY' [a]i' YZx' a] i' c'!\ C'kV'M' d'c' VcY' Vci' X'dah' d'c' a] i' c'!\ VcY' 'e'heZx' d'c' a] i' c'!\#  
 l ] Z' a' h' c'!\ VZad' 'Xdc'iV'ch' \ZcZgX' egYj] X' i' c' [dgp' M' d'c' #

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## Aviation Halogen Aircraft Lamp

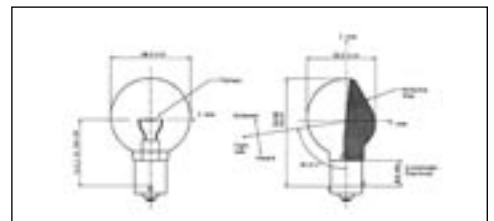
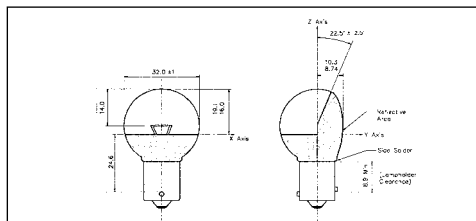
Volts (V)	Wattage (W)	Light Output		Filament shape	Life Hours	Lamp Base	Part N°
		Lm	Mscp				
10	100	1630	130	C-8	1000	end caps	1978X
12	10	126	10	C-81	2000	bayonet BA9s	2059
28	50	750	60	CC-8	1000	end caps	8-A103
28	100	1760	140	CC-8	1000	end caps	1970X



## Aviation Anti-Collision Warning Lamp

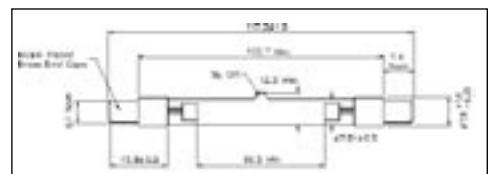


Volts (V)	Wattage (W)	Filament shape	Life Hours	Lamp Base	Part N°
28	21	CC-6	300	Bayonet BA15s	CM1524
28	26	CC-6	300	Bayonet BA15s	A-7512-24
28	40	CC-6	300	Bayonet BA15s	A-4174-24



## Aviation Xenon Flashtube

Max Length mm	Max Length Inches	Rated Life Hrs	Light Output Lm	Wattage (W)	Lamp Base	Part N°
117	4,6	2000*	95cd/s@32j	40	Special End Caps	55-0331-3



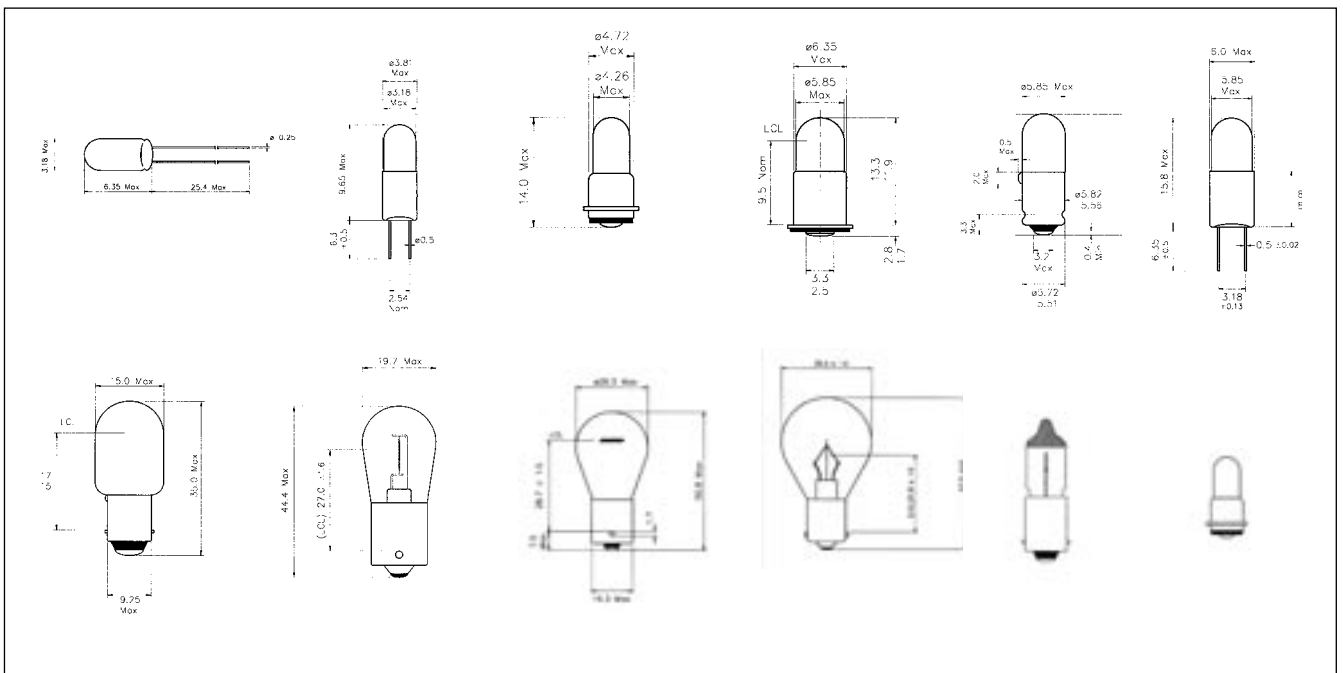
\* Life defined as 9 million flashes at flash rate of 75 flashes per minute  
 = (9 x 106) / 75 = 120,000 min = 2000 hours.  
 cd/s = candelas per second. Please note the size designation is T2<sup>1/2</sup> (T8).



KZg Vlan'ciZ\gMZyYZh'c!Zc\cZZg'e!bVej [W] g'e!VcY VhZb Vh'XeW'W'hZhb V Z'8BA'gZhedchKZ'id i] Z'cZyHd[V'VgY] b Vej [W] gZg'VcY b VciZcVcXZ' [W'Z'hVgd] cY' i] Z l dgY#  
 : kZgn'W'M' d'c' a' b e' l Z' e' g' Y' XZ' h' YZ' h' c' Z' Y' i' d' b' Z' Z' i' d' g' Z' m' Z' Z' Y' X' g' t' X' V' a' g' Z' f' j' Z' b' Z' c' h' i' [d' g' a' ] i' d' j' e' j' i' V' c' Y' h' Z' g' X' Z' a' Z' #' V' X' i' Y' Z' h' c' V' c' i' X' e' M' Z' h' Z' c' k' g' d' b' Z' c' i' V' a' Z' a' X' g' X' V' a' V' c' Y' e' i' d' i' b' Z' i' g' X' X' d' c' Y' i' d' c' h' [d' g' V' g' Y' ] i' d' g' \ g' j' c' Y' i' j' e' e' d' g' : V' e' e' a' M' d' c' h' # 6 c' Y' 8 B A' c' h' e' Z' X' i' d' c' i' Z' h' e' !' V' c' Y' h' i' M' h' i' X' V' a' V' d' X' j' b' Z' c' i' M' d' c' h' Z' i' j' Z' h' V' c' Y' V' g' i' [d' g' i] Z' c' Y' h' g' n' #  
 l ] Z' g' Z' h' a' h' V' a' b' e' i' i] M' l' a' c' c' i' d' c' a' n' Y' Z' a' Z' g' i' d' e' g' M' Z' Y' e' Z' g' d' g' b' V' c' Z' V' c' Y' d' e' i' b' j' b' h' Z' g' X' Z' a' Z' # ' ' l' a' v' a' d' X' d' h' i' z' h' i' d' g' n' d' j' i' d' d' c' V' c' d' e' Z' g' M' Z' #  
 8 ] d' d' h' [ g' b' V' V' g' d' W' g' c' V' Z' d' [ h' i' a' z' h' V' c' Y' d' e' Z' g' M' c' \ X' ] V' g' Y' Z' g' h' X' h' [d' g' V' c' Z' f' j' V' a' n' Y' k' Z' g' Z' g' c' V' Z' d' [ V' e' e' a' M' d' c' h' # H' M' ] h' c' Y' X' M' d' g' i' s' r' i' g' b' Z' c' i' M' d' c' a' n' i' c' e' !' 8 W' a' c' V' c' Y' [ a' ] i' Y' Z' X' a' ] i' c' e' !' C' V' W' M' d' c' V' c' Y' V' c' i' X' d' a' h' d' c' a' ] i' c' e' !' V' c' Y' : h' e' Z' X' i' d' c' i' Z' h' e' !' i' c' e' #  
 l ] Z' a' h' e' V' Z' a' d' i' X' d' c' i' V' c' h' \ Z' c' Z' g' X' e' g' d' Y' ] X' i' c' [d' g' b' M' d' c' #

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Volts (V)	Wattage	Light Output		Filament shape	Life Hours	Size	Lamp Base	Fig.	Part N°
		Lm	Mscp						
5	60mA	0.63	0.05	C-2R	40.000	T1 (T3)	Wire terminal	1	683
5	115mA	1.9	0.15	C-2R	40.000	T1 (T3)	B-Pin (2,54)	2	8-2400
28	24mA	1.9	0.15	CC-2F	4.000	T1 (T3)	B-Pin (2,54)	2	8-2402
28	50mA	3.8	0.3	C-2F	16.000	T11/4 (T4)	Special Midget Flange	3	737AS15
28	40mA	3.8	0.3	C-2F	7.000	T11/4 (T5.6)	Midget Flange, SX6s	4	387
28	40mA	4.3	0.34	C-2F	4.000	T13/4 (T5.6)	Midget Groove, S5.7s	5	334
28	40mA	3.8	0.3	C-2F	7.000	T13/4 (T5.6)	Bi-Pin (3.18)	6	7387
28	300mA	75	6	C-2F	500	T41/2 (T14)	Miniature Bayonet, BA9s	7	1495
28	560mA	201	16	CC-8	2.000	B-6 (B19)	Bayonet BA15s	8	1308
28	520mA	188	15	2xC-2R	300	B-6 (B19)	Bayonet BA15s	8	1309IF
28	510mA	188	15	C-2V	300	S-8 (S25)	Bayonet BA15s	9	305
28	670mA	264	21	C-2V	300	S-8 (S25)	Bayonet BA15s	9	307
28	17W	188	15	2xC-2R	1.000	S-8 (S25)	Bayonet BA15s	9	1691
28	18W	226	18	CC-8S	2.000	S-8 (S25)	Bayonet BA15s	9	2332SB
28	21W	264	21	CC-8S	2.000	S-8 (S25)	Bayonet BA15s	9	2233
28	36W	553	44	C-2V	1.000	S-11 (S35)	Bayonet BA15s	10	3011
28	800mA	264	21	C-2V	1.000	S-8 (S25)	Bayonet BA15s	9	1665
28	1020mA	402	32	2C-6	500	S-8 (S25)	Bayonet BA15s	9	1683
28	610mA	188	15	2C-2R	1000	S-8 (S25)	Bayonet BA15s	9	1691
6	2000mA	238	19	C6	50	T21/4 (T7)	Miniature Bayonet, BA9s	11	767
28	24mA	1.6	0.13	CC-2F	4000	T1 (T3)	Sub-midget flange	12	6839



# Aviation Fluorescent Lamps



KZg Xlan'ciZgMZY YZh'c!Zc\cZZg'c!b Vcj [Mx] g'e!VcY VrhZb Wn X'eWm'Zh b V Z'8B A'gZhedchKZ'id'i] Z'cZZYhd[V'gM]i' b Vcj [Mx] gZgh'VcY' b VciZcVcZ' [V'Z'h'Vgdj cY'i] Z'l dgY#  
 : kZgn'W'V'c' a' b' e' l' Z' egdYj XZ' h' YZh'cZy' id' b ZZi' dg ZmZZY' Xg' X'VagZ'fj' cZb Zc'hi [dg a'] i' dj i' e' j' i' VcY' hZg'XZ' aZ'#: Vx] ' YZh'c' Vci X'eM'Zh Zck'g'dcb Zci Vd' Z'X'g'V'a' VcY' e] di db Z'ig'X' XdcY' d'ch [dg V'gM]i' dg \gdj] cY' h' eedg' V'eeaxM' d'ch#6cY' 8B A' c'heZ'X' d'c'i Z'h' c'! VcY' h' V' h' X'V'a'YdXj b Zci M' d'c' hZ'i' i] Z' h' VcY'Vg' [dg i] Z' c'Y' h' g' #  
 l] Z' g' h' a' h' V' a' b' e' i] M' l' a' c' d' i' d' c' a' n' YZ' a' Z' g' i' d' e' g' MZY' e' Z' g' d' g' b' VcZ' VcY' d' e' i' b' j' b' h' Z' g' XZ' aZ' ""' l' a' V' a' d' X' d' h' i' a' z' h' [d' g' n' d' j' i' d' l' c' Vc' d' e' Z' g' M' #  
 8] d' d' h' Z' [g' b' V' V' g' d' W' g' Vc' Z' d' [h' n' a' z' h' VcY' d' e' Z' g' M' c' \ X] V' g' M' Z' g' h' X' h' [d' g' Vc' Z' f' j' V' a' n' Y' k' Z' g' Z' g' Vc' Z' d' [V' e' e' a' X' M' d' c' h' #H' M] h' c' Y' X' M' d' g' i' s' r' i' g' b' Z' c' i' M' d' c' a' n] i' c' V' l' 8' W' c' VcY' [a] i' YZ' X' a] i' c' V' l' C' V' W' M' d' c' VcY' Vci' X' d' a' h' d' c' a] i' c' V' l' VcY' s' e' h' e' Z' X' d' c' a] i' c' V' #  
 l] Z' a' h' c' \ VZ' a' l' X' d' c' i' V' c' h' \ Z' c' Z' g' X' e' g' d' Yj X' i' c' [d' g' b' V' d' c' #

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## Aviation Fluorescent Lamp

Max Length Rated		Life Hrs	Light Output Lm	Wattage W	Colour	Cap	Fig. N°	Part N°
mm	inches							
<b>T5 (Ø 16mm)</b>								
150	6	7500	145	4	Warm White	G5, Bi-Pin	1	CM5104WW
150	6	7500	140	4	Cool White	G5, Bi-Pin	1	CM5104CW
150	6	7500	145	4	Warm White	Pinless	2	5004WW
150	6	7500	140	4	Cool White	Pinless	2	5004CW
226	9	7500	290	6	Warm White	G5, Bi-Pin	1	CM5106WW
226	9	7500	270	6	Cool White	G5, Bi-Pin	1	CM5106CW
302	12	7500	400	8	Warm White	G5, Bi-Pin	1	CM5108WW
302	12	7500	380	8	Cool White	G5, Bi-Pin	1	CM5108CW
302	12	7500	400	8	Warm White	Pinless	2	5008WW
302	12	7500	380	8	Cool White	Pinless	2	5008CW
531	21	7500	880	13	Warm White	G5, Bi-Pin	1	CM5113WW
531	21	7500	860	13	Cool White	G5, Bi-Pin	1	CM5113CW
531	21	7500	880	13	Warm White	Pinless	2	5013WW
531	21	7500	860	13	Cool White	Pinless	2	5013CW
760	30	8000	1150	18	Warm White	G5, Bi-Pin	1	18WT5-WW
760	30	8000	1150	18	Cool White	G5, Bi-Pin	1	18WT5-CW
<b>T8 (Ø 25mm)</b>								
909	36	14000	2200	30	Cool White	G13, Bi-Pin	1	F30W133TB
<b>T12 (Ø 35mm)</b>								
984	39	9000	2800	40	Warm White	G13, Bi-Pin	1	F40W1M129
984	39	9000	2800	40	Cool White	G13, Bi-Pin	1	F40W1M133

Fig.1

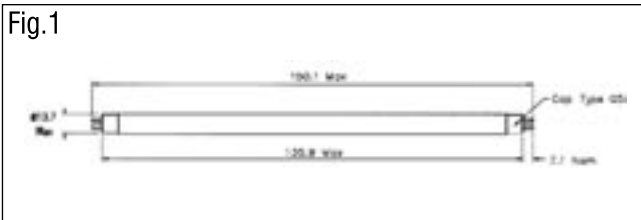
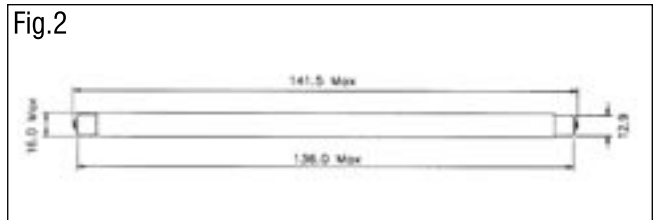


Fig.2



# CCFL & Inverters

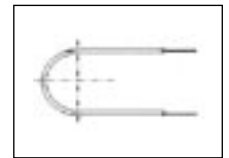
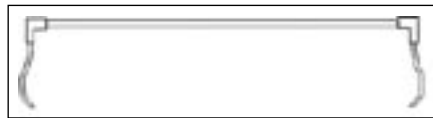


8BA† gkVZ d[Xdá XM] dYZ [á dgzhZci ab eh h egkVc\cXZVh\an edej áG l ] Zg' h gdc\ l ] †Z' a] i h d j gZ h VgZ' gZ f j gY' id' \kZ ZkZc' a] i Y h gWY i dc' dkZg á gZ h j gVXZ VgZV#  
 Hb VaaY Mb Zi Zgij VZh VgZ ] \] an Z[[XZci' c' egdkYc\ gZaWZ' á b cV d' c' l ] †Z' i b Z j e' id' \*%#%#%#] d j g h#  
 l ] Z' a] i c\ VZa il' X dci Vch\ZcZgX' egdY] X' c[ d g b V d' c#

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Diameter (mm)	Series Number	Overall Length (mm)	Active Length (mm)	Surface Brightness (Cd/mm <sup>2</sup> )	Voltage (V)	Watts (W)	Bar Shape	U Shape
1.8	CCFL18	220 - 280	205 - 265	50,000	540 - 660	2.7 - 3.3		
2.0	CCFL 20	40 - 150	27.5 - 135	43,000	160 - 400	0.8 - 2		
2.6	CCFL 26	100 - 420	85 - 400	30,000	265 - 850	1.3 - 4.25		
4.1	CCFL 41	100 - 400	75 - 375	14,000	260 - 800	1.3 - 4		

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l ] ZhZ' VgZ' VZh' YZh gWZY' Vh Zá X gdc' X Waa h h egkYc\ i ] Z' ed l ] Zg h d j gZ' [ d g d j g' gVc\Z' d[ 88: A' egdY] X h#6 a 8BA† b dYZ a h d [Zg a il' k d á VZ' 98' c e j i' l ] †Z' a] c\ aZ#  
 l ] Z' a] i c\ VZa il' X dci Vch\ZcZgX' egdY] X' c[ d g b V d' c#

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Inverter types	Series Number	Application	Dimensions (mm) W x L x H	CCFL Length (mm)	Input voltage	Input current (mA)	Output voltage (V)	Output Current Max. (mA)	Number of drive circuits	Operating Temp Range (°C)
	INV 1	CCFL	18 x 49 x 13	50 - 150 mm	12VDC	210 - 900	260 to 850	5	1	0 - 50
	INV 5	CCFL	18 x 49 x 13	50 - 150 mm	12VDC	210 - 900	260 to 850	5	2	0 - 50
	INV 2	CCFL	20 x 70 x 15	150 - 300 mm	12VDC	210 - 900	260 to 850	5	1	0 - 50
	INV 6	CCFL	20 x 70 x 15	150 - 300 mm	12VDC	210 - 900	260 to 850	5	2	0 - 50
	INV 4	CCFL	25 x 75 x 15	300 - 420 mm	12VDC	210 - 900	260 to 850	5	1	0 - 50
	INV 8	CCFL	25 x 75 x 15	300 - 420 mm	12VDC	210 - 900	260 to 850	5	2	0 - 50
	INV 9	CCFL	18 x 49 x 13	50 - 150 mm	5VDC	210 - 900	260 to 850	5	1	0 - 50
	INV 11	CCFL	18 x 49 x 13	50 - 150 mm	5VDC	210 - 900	260 to 850	5	2	0 - 50
	INV 10	CCFL	20 x 70 x 15	150 - 280 mm	5VDC	210 - 900	260 to 850	5	1	0 - 50

Power Supply types	Series Numbers	Application	Dimensions (mm) W x L x H	Application (Watt)	Input voltage	Input current (mA)	Output voltage (VDC)	Output Current Max. (A)	Number of drive circuits	Operating Temp Range (°C)
	CMPS Series	LED BrightStrips	3.7"x1"x1.5" 94mm x 25.4 mm x 38.1mm	upto 20 Watt	100VAC - 240VAC	300mA	8 to 13.5	1.67 A	4 to 20 ft 1.2 to 6 m	0 - 50
		LED BrightStrips	9.5"x1.5"x2.4" 241mm x 38.1 mm x 61 mm	upto 60 Watt	100VAC - 240VAC	1000mA	12	5.0 A	12 to 60 ft 3.6 to 18.2 m	-20 +70
		LED BrightStrips	4"x1.25"x2" 102 mm x 32 mm x 51 mm	upto 30 Watt	100VAC - 240VAC	1000mA	12	2.5 A	6 to 30 ft 1.8 to 9.1 m	-20 +70

# Xenon Lamps, Sockets, & Sixcess Lamps



1 ] Z'ati e\ WZall ' Xdciv'eh\ZcZgX'egdY] Xi ' e[dgb M'0c#

Please visit our Website at [www.cml-it.com](http://www.cml-it.com) for a more detailed listing of product specifications.

Xenon Lamps					Series number	Voltage range (V)	Light Output Range (Lm)	Light Output Range (MSCP)	Wire Terminal	Flange Base	Groove Base	Screw Base	Bayonet Base	Bi-Pin Base	Wedge Base	Slide Base	BATs	Other Type
Bulb Shape	Size		Approximate diameter															
	Inch	mm	inch	mm														
	T3 1/4	T10	0.4	10.3	1260XLF	12	85	6.75	-	-	-	-	-	-	μ	-	-	-
	T3 1/4	T10	0.4	10.3	1503XLF	14	25	2	-	-	-	-	-	-	μ	-	-	-
	T3 1/4	T10	0.4	10.3	501XLF	12	50	4	-	-	-	-	-	-	μ	-	-	-

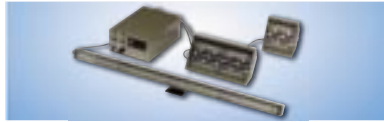
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Sockets for Xenon Lamps						Circuit Thickness (mm)	Voltage range (V)	PCB Twist Lock - Single Contact	PCB Twist Lock - Double contact	Twist Lock - With Connector	Twist Lock - With Connector - Right-Angle	Twist Lock Neo-Wedge	Relampable
Bulb Base Type	Series Numbers	Bulb Type		Approximate diameter									
		Inch	mm	inch	mm								
	7121x	T3 1/4	T10	0.393	10	1.6 +/- 0.1	12-24	-	μ	-	-	-	μ
	7080x	T3 1/4	T10	0.393	10	2.0 +/- 0.1	12-24	-	μ	-	-	-	μ

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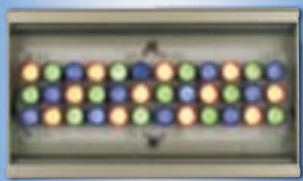


Sixcess Lamps		Series Numbers	Size	E12	E14	White	Color Temperature	12V AC/DC	24V AC/DC
		2410F73-24V		μ	-	μ	3100°K	-	μ

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1 ] Z'ati e\ VWZall ' XdciVeh\ZcZgX'egly] Xi ' e[dgb M'c#

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		Series Numbers	Size	Voltage Input	Voltage output	Power consumption	with Optic	Color RGB	Color AMB
	DMX COLORDIRECTOR 12V ONE	CR-CD0 Series	320 x 230 x 120 mm	100 - 240 VAC	12 VDC	60 W			
	DMX COLORDIRECTOR 12V Four			100 - 240 VAC	12 VDC	500 W			
	DMX COLORDIRECTOR 24V ONE			100 - 240 VAC	24 VDC	60 W			
	DMX COLORDIRECTOR 24V Four			100 - 240 VAC	24 VDC	500 W			
	Flood	CR-FL0 Series	149 x 174 x 66 mm	12 VDC		9 W		μ	μ
			149 x 174 x 66 mm	12 VDC		9 W	μ	μ	μ
			149 x 174 x 66 mm	24 VDC		18 W		μ	μ
			149 x 174 x 66 mm	24 VDC		18 W	μ	μ	μ
			300 x 174 x 66 mm	24 VDC		18 W		μ	μ
			300 x 174 x 66 mm	24 VDC		18 W	μ	μ	μ
			300 x 174 x 66 mm	24 VDC		36 W		μ	μ
			300 x 174 x 66 mm	24 VDC		36 W	μ	μ	μ
	Linear	CR-LI0 Series	500 x 50 x 40 mm	24 VDC		18 W		μ	μ
			500 x 50 x 40 mm	24 VDC		18 W	μ	μ	μ
			1000 x 50 x 40 mm	24 VDC		36 W		μ	μ
			1000 x 50 x 40 mm	24 VDC		36 W	μ	μ	μ
	Wall Unit Up/Down	CR-WU Series	2280 x 1400 mm	12 VDC		20 W	-	μ	-
	Submersible	CR-SU0 Series	∅ 150 x 90 mm	12 VDC		10 W	-	μ	-

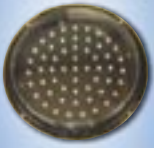







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# Traffic Lights



1 ] Z'ati e\ VWZall ' Xdciv'eh\ZcZgX'egdY} Xi ' e[ddg M'c#c#

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		Series Numbers	Size	Red	Amber	Green	White	Voltage 40V	Voltage 90 - 140 VAC	Voltage 180 - 285 VAC	Initial Intensity
	High Brite	TL210xx-xHB Series	210 mm	μ	μ	μ	-	○	μ	μ	200 - 800 cd
	High Flux Clear			μ	μ	μ	-	○	μ	μ	200 - 800 cd
	High Flux Tinted	TL210xx-xHF Series		μ	μ	μ	-	○	μ	μ	200 - 800 cd
	High Flux Stop Man Straight Arrow Left Arrow Right Arrow Pedetrain Walk Man			μ	μ	μ	-	○	μ	μ	200 - 800 cd
	High Brite	TL300xx-xHB Series	300 mm	μ	μ	μ	-	○	μ	μ	200 - 800 cd
	High Flux Clear			μ	μ	μ	-	○	μ	μ	200 - 800 cd
	High Flux Tinted	TL300xx-xHF Series		μ	μ	μ	-	○	μ	μ	200 - 800 cd
	High Flux Stop Man Straight Arrow Left Arrow Right Arrow Pedetrain Walk Man			μ	μ	μ	-	○	μ	μ	200 - 800 cd

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		Series Numbers	Length 18» / 457mm	Length 36» / 914mm	Length 48» / 1219mm	Length 72» / 1829mm	Length 96» / 2438mm	Diameter 0.23 / 5.8mm (non-obient, flexible)	Diameter 0.4» / 10.5mm (obedient)	Dual-Shaft / Convertible 2 in 1
	Scope	PV-618	μ	-	-	-	-	μ	-	-
	Scope	PV-100	μ	-	-	-	-	-	μ	-
	Scope	PV2618-21	μ	-	-	-	-	-	-	μ
	Scope	PV-636	-	μ	-	-	-	μ	-	-
	Scope	PV-300	-	μ	-	-	-	-	μ	-
	Scope	PV2636-21	-	μ	-	-	-	-	-	μ
	Scope	PV-480	-	-	μ	-	-	-	μ	-
	Scope	PV-720	-	-	-	μ	-	-	μ	-
	Scope	PV-960	-	-	-	-	μ	-	μ	-

## Accessories

		Series Numbers	PV-618	PV-100	PV2618-21	PV-636	PV-300	PV2636-21	PV-480	PV-720	PV-960
	ProView 45 Clip On Mirror 45°	PVW-45M	μ	-	-	μ	-	-	-	-	-
		PVW-45	-	μ	-	-	μ	-	μ	μ	μ
	ProMag 1 Clip In - Magnetic Tip	PM-1M	μ	-	-	μ	-	-	-	-	-
		PM-1	-	μ	-	-	μ	-	μ	μ	μ
	ProLite - Halogen Bulb	PL1000	μ	μ	μ	μ	μ	μ	μ	μ	μ
	ProView 45 Kit	PVK-45M	μ	-	-	μ	-	-	-	-	-
		PVK-45	-	μ	-	-	μ	-	μ	μ	μ
		PVKM-45M	μ	-	-	μ	-	-	-	-	-
	Rubber Eye Cup	PVKM-45	-	μ	-	-	μ	-	μ	μ	μ
		PVEG1	μ	μ	-	μ	μ	-	μ	μ	μ
	Camera Coupler	PVCC37	μ	μ	-	μ	μ	-	μ	μ	μ
	Protective Boots	PVB	μ	μ	-	μ	μ	-	μ	μ	μ

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8-2400.....	27	1939.....	19	5636.....	7
8-2402.....	27	1940.....	19	5638.....	7
8-A103.....	26	1941.....	19	5640.....	6
18WT5-CW.....	28	1942.....	19	5670.....	6
18WT5-WW.....	28	1970.....	19	5680.....	6
19TR.....	19	1970X.....	26	5681.....	6
43xxD.....	5	1971.....	19	5684.....	6
43xxF.....	5	1972.....	19	5693.....	6
43xxH.....	5	1973.....	19	5694.....	6
43xxR.....	5	1974.....	19	5894.....	7
55-0331-3.....	26	1975.....	19	5994.....	7
192A.....	19	1978X.....	26	6010.....	19
192D.....	19	2059.....	26	6039-0004-304.....	18
195.....	18	2110.....	18	6091.....	19
195A.....	19	2191.....	18	6200.....	5
195B/195F.....	19	2194.....	18	6255.....	5
195E.....	19	2232SB.....	27	6839.....	27
305.....	27	2233.....	27	7011X.....	5
307.....	27	2410F13-12V.....	30	7016X.....	5
334.....	27	2410F13-24V.....	30	7080X.....	30
387.....	27	2990.....	18	7121X.....	30
501XLF.....	30	3011.....	27	7387.....	27
553.....	6	3990.....	18	7511.....	8
683.....	27	4304.....	18	7512.....	8
737AS15.....	27	4361H.....	5	7520.....	8
754xxSSxSeries.....	15	4361L.....	5	7530A Series.....	15
767.....	27	4361M.....	5	8510LE15 Series.....	14
1030.....	19	4362D.....	5	8511LE16 Series.....	14
1030.....	19	5004CW.....	28	8570LE12 Series.....	14
1970/1973,1971/1974,1972/1975.....	19	5004WW.....	28	9500CL-xxx.....	9
1260XLF.....	30	5008CW.....	28	9520CL-xxx.....	9
1308.....	28	5008WW.....	28	15010.....	17
1309IF.....	27	5013CW.....	28	15012.....	17
1495.....	27	5013WW.....	28	15015.....	16
1503XLF.....	30	5100.....	18	15020.....	17
1511A.....	16	5101.....	18	15021.....	17
1511B.....	16	5110.....	18	15030.....	17
1511E.....	16	5111.....	18	15031.....	17
1511F.....	16	5120.....	18	15040.....	17
1665.....	27	5200.....	18	15041.....	16-17
1683.....	27	5210.....	18	15050.....	17
1691.....	27	5300.....	6	15051.....	16-17
1900.....	18	5306.....	6	15071.....	16-17
1901.....	19	5306.....	6	15080.....	17
1902.....	18	5311.....	6	15086.....	16
1903.....	18	5320.....	6	15087.....	16
1904.....	19	5321.....	6	15090.....	17
1905.....	19	5322.....	6	15091.....	17
1906.....	19	5324.....	6	15095.....	16
1907.....	19	5326.....	6	15100.....	17
1908.....	19	5341.....	6	15101.....	16-17
1909.....	19	5350.....	7	15110.....	17
1910.....	19	5360.....	6	15112.....	17
1912.....	19	5365.....	6	15113.....	17
1913.....	19	5370.....	7	15120.....	17
1920.....	19	5390.....	6	15121.....	16-17
1921.....	19	5400.....	19	15130.....	17
1922.....	19	5600.....	6	15139.....	17
1924.....	19	5610.....	6	15140.....	17
1935.....	19	5630.....	7	15161.....	16-17
1937.....	19	5632.....	7	18240.....	17
1938.....	19	5635.....	7	18270.....	17

I8271.....	17	CMDA5.....	5	ILL2A0005x.....	10
I8290.....	17	CMDA6.....	5	ILL3A0001x.....	10
I8291.....	17	CMDA19.....	5	ILL3A0002x.....	10
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