

# LUXEON® I 20mm range

Part No.	Description	White			Red/Amber			Cyan/Green			Warm White		
		FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm
10003	Plain Tight	8.0	84%	20	10.4	81%	16	9.6	82%	13	9.0	80%	10
10138	Frosted Narrow	12	87%	12	15	83%	11	15	87%	8.3	14	84%	7.0
10003/15	Ripple Medium	19	81%	5.2	13	81%	7.2	15	88%	7.3	17	81%	4.6
10139	Frosted Medium	22	83%	3.4	20	77%	4.8	20	80%	3.7	22	76%	3.0
10003/25	Ripple Wide	34	81%	2.3	16	80%	3.4	28	86%	2.7	18	80%	3.0
10140	Frosted Wide	35	81%	2.6	43	74%	1.6	34	78%	2.1	44	72%	1.3
10170	Wide angle reflector	79	91%	1.0	77	85%	1.3	78	92%	1.1	64	93%	1.4
10003/L25	Elliptical	40 X 11	78%	5.1	38 X 12	80%	4.4	40 X 14	85%	4.2	54 X 13	79%	3.0
10192	Elliptical Orthogonal*	10.6 X 40	78	5.1	1.9 X 38.2	80	4.4	13.7 X 39	85	4.2	12.8 X 35.5	79	3.0
10034	Fibre	Optimised for coupling into 0.5NA fibre bundles of 8 - 12mm diameter											

\*Orthogonal is the elliptical beam turned through 90deg.

#Full Width Half Maximum i.e. total viewing angle



Part No.	Colour	Description	Part No.	Colour	Description
10012	Black	Circular custom boards	10109	Black	Triple holder 50 mm dia
10024	Clear	Circular custom boards	10110	White	Triple holder 50 mm dia
10035	White	Circular custom boards	10270	White	50mm Triple holder long leg
10026	Black	Star boards	10280	White	50 mm Triple holder short leg
10036	Clear	Star boards	10290	Black	50 mm Triple holder Long leg
10037	White	Star boards	10300	Black	50 mm Triple holder short leg
10041	Black	Triple holder 45 mm dia			
10042	White	Triple holder 45 mm dia			

## Carclo Technical Plastics (Slough)

04 April 2008

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# LUXEON® I 20mm assembled in holder 10012

Part No.	Description	White			Red/Amber			Cyan/Green			Warm White		
		FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm
10800	Plain Tight	8.0	84%	20	10.4	81%	16	9.6	82%	13	9.0	80%	10
10801	Frosted Narrow	12	87%	12	15	83%	11	15	87%	8.3	14	84%	7.0
10802	Ripple Medium	19	81%	5.2	13	81%	7.2	15	88%	7.3	17	81%	4.6
10803	Frosted Medium	22	83%	3.4	20	77%	4.8	20	80%	3.7	22	76%	3.0
10804	Ripple Wide	34	81%	2.3	16	80%	3.4	28	86%	2.7	18	80%	3.0
10805	Frosted Wide	35	81%	2.6	43	74%	1.6	34	78%	2.1	44	72%	1.3
10806	Wide angle reflector	79	91%	1.0	77	85%	1.3	78	92%	1.1	64	93%	1.4
10807	Elliptical	40 X 11	78%	5.1	38 X 12	80%	4.4	40 X 14	85%	4.2	54 X 13	79%	3.0
10808	Elliptical Orthogonal*	10.6 X 40	78	5.1	1.9 X 38.2	80	4.4	13.7 X 39	85	4.2	12.8 X 35.5	79	3.0

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# LUXEON® I 20mm assembled in holder 10026

Part No.	Description	White			Red/Amber			Cyan/Green			Warm White		
		FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm
10809	Plain Tight	8.0	84%	20	10.4	81%	16	9.6	82%	13	9.0	80%	10
10810	Frosted Narrow	12	87%	12	15	83%	11	15	87%	8.3	14	84%	7.0
10811	Ripple Medium	19	81%	5.2	13	81%	7.2	15	88%	7.3	17	81%	4.6
10812	Frosted Medium	22	83%	3.4	20	77%	4.8	20	80%	3.7	22	76%	3.0
10813	Ripple Wide	34	81%	2.3	16	80%	3.4	28	86%	2.7	18	80%	3.0
10814	Frosted Wide	35	81%	2.6	43	74%	1.6	34	78%	2.1	44	72%	1.3
10815	Wide angle reflector	79	91%	1.0	77	85%	1.3	78	92%	1.1	64	93%	1.4
10816	Elliptical	40 X 11	78%	5.1	38 X 12	80%	4.4	40 X 14	85%	4.2	54 X 13	79%	3.0
10817	Elliptical Orthogonal*	10.6 X 40	78	5.1	1.9 X 38.2	80	4.4	13.7 X 39	85	4.2	12.8 X 35.5	79	3.0

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 #Full Width Half Maximum i.e. total viewing angle



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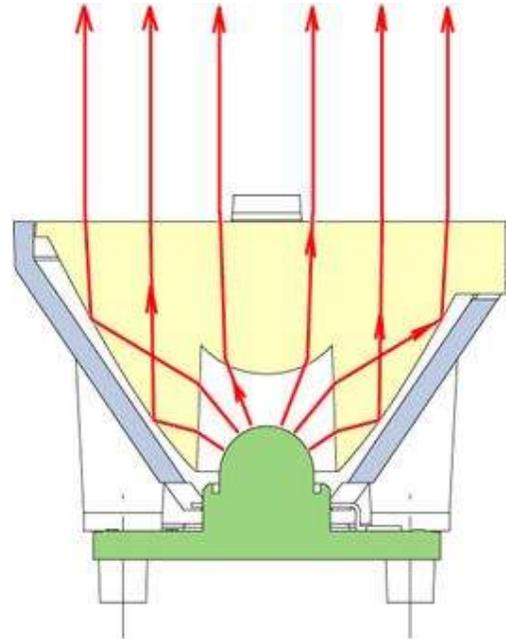
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# LUXEON® I 26.5mm range

Part No.	Description	White			Red/Amber			Cyan/Green			Warm White		
		FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm
10048	Plain Tight	5.4	89%	50	6.8	85%	30	6.5	87%	35	11	79%	9.4
10124	Frosted Narrow	7.1	87%	29	9.8	84%	22	9.8	87%	23	13	79%	7.2
10108	Frosted Medium	18	87%	5.0	20	84%	5.2	20	85%	5.2	25	77%	2.7
10260	Frosted Wide												
10049	Elliptical	47 X 6.8	83%	6.4	42 X 12	81%	4.5	45 X 11	82%	5.5	41 X 17	75%	2.5
10224	Elliptical Orthogonal*	6.8 X 47	83%	6.4	12 X 42	81%	4.5	11 X 45	82%	5.5	17 X 41	75%	2.5
10234	Elliptical Ramp optic	45 x 9	86%	14.8	44 x 11.8	87%	5.2	45 x 13	88%	4.9	45 x 20	80%	2.2

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#Full Width Half Maximum i.e. total viewing angle



Part No.	Colour	Description
10064	Black	Holder long legs
10065	White	Holder long legs
10172	Black	Holder 0.8mm legs
10173	White	Holder 0.8mm legs
10174	Black	Holder no legs
10175	White	Holder no legs

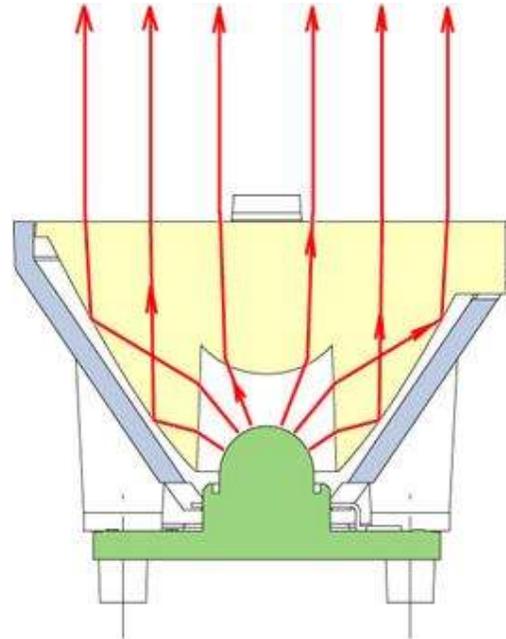
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# LUXEON® I 26.5mm assembled in holder 10064

Part No.	Description	White			Red/Amber			Cyan/Green			Warm White		
		FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm
10900	Plain Tight	5.4	89%	50	6.8	85%	30	6.5	87%	35	11	79%	9.4
10901	Frosted Narrow	7.1	87%	29	9.8	84%	22	9.8	87%	23	13	79%	7.2
10902	Frosted Medium	18	87%	5.0	20	84%	5.2	20	85%	5.2	25	77%	2.7
10903	Frosted Wide												
10904	Elliptical	47 X 6.8	83%	6.4	42 X 12	81%	4.5	45 X 11	82%	5.5	41 X 17	75%	2.5
1090	Elliptical Orthogonal*	6.8 X 47	83%	6.4	12 X 42	81%	4.5	11 X 45	82%	5.5	17 X 41	75%	2.5
10906	Elliptical Ramp optic	45 x 9	86%	14.8	44 x 11.8	87%	5.2	45 x 13	88%	4.9	45 x 20	80%	2.2

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