

SAFETY LIGHT CURTAIN LC 8000

DATASHEET



- Input Power:** 24 VDC \pm 20%
- Power Consumption:** \leq 5 Watts (for 8 beams)
- Output Circuit:** Two PNP NO outputs with 100mA capacity
- Operating Temperature:** 0 to 55° C
- Self Checking Circuit:** Self check every 70 milliseconds
- Response Time:** \leq 15ms (for 8 beams)
- Beam Spacing:**
 - 10 mm – Finger Protection
 - 20 mm – Hand Protection
 - 18.3 mm – Option 1
 - 36.6 mm – Option 2
- Scanning Distance:** Up to 4 meters
- Housing:** Aluminum extruded structural profile powder coated.
- IP Rating:** IP 64

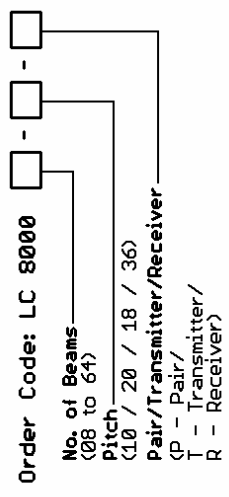
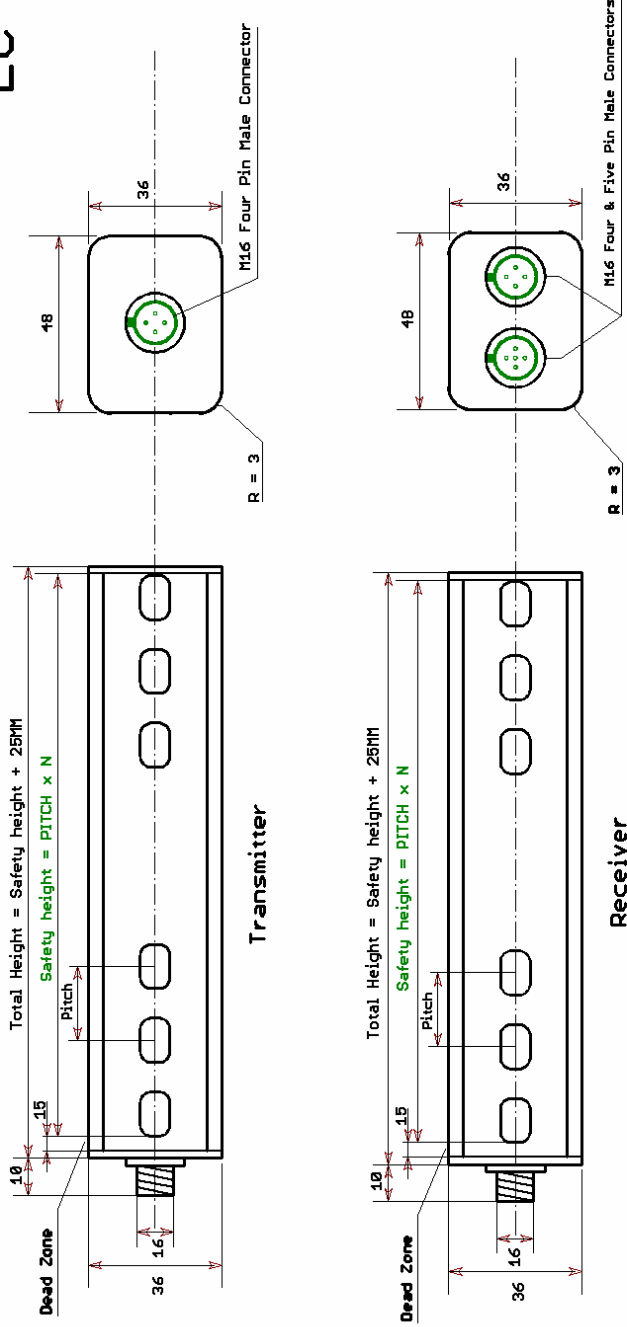
Finger Protection (10 mm)			
No. Of Beams	Safety Height (mm)	Total Height	Response Time (ms)
-	-	-	-
16	150	175	25
24	230	255	35
32	310	335	45
40	390	415	55
48	470	495	65
56	550	575	75
64	630	655	85

Hand Protection (20 mm)			
No. Of Beams	Safety Height (mm)	Total Height	Response Time (ms)
8	150	175	15
16	310	335	25
24	470	495	35
32	630	655	45
40	790	815	55
48	950	975	65
56	1110	1135	75
64	1270	1295	85

Option 1 (18.3 mm)			
No. Of Beams	Safety Height (mm)	Total Height	Response Time (ms)
8	128	153	15
16	283	308	25
24	429	454	35
32	576	601	45
40	722	747	55
48	868	893	65
56	1015	1040	75
64	1161	1186	85

Option 2 (36.6 mm)			
No. Of Beams	Safety Height (mm)	Total Height	Response Time (ms)
8	256	281	15
16	539	564	25
24	832	857	35
32	1125	1150	45
40	1417	1442	55
48	1710	1735	65
56	2003	2028	75
64	2296	2321	85

LC 8000



Example: For hand protection pair of 150 mm the Order Code will be LC 8000-08-20-P

Order Code for Accessories:
 Cable Set: LC 8000 ACC 01
 Clamp Set: LC 8000 ACC 02
 Clamp Set: LC 8000 ACC 03

ALL DIMS IN MM

Pitch = 10mm for Finger protection
 Pitch = 20mm for Hand protection
 Pitch = 18.3mm for Option 1
 Pitch = 36.5mm for Option 2
 N - No. of beams