


Function	Rear position lamp & Stop lamp		玉明有限公司 Yu Ming Co., Ltd.
Model No.	YM-28116ELED	Drawing No.	

12V 0.15/1.5W  50R-001564 YM-28116ELED



2129356-QUA/PHO 09-162-08

**Approval testing of a rear combination lamp  
trade mark YM, type name YM-28116ELED**

Arnhem, 6 November 2009  
Author J.L. Walhout

By order of Yu Ming Co., Ltd., Tainan City, Taiwan.

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author : J.L. Walhout                      06-11-2009    reviewed : W. van Laarhoven                      06-11-2009  
B        17 pages    4 annexes    J.L.W./RVDVE approved : W. van Laarhoven (project manager)                      06-11-2009



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## **SUMMARY**

The tested samples of the motorcycle rear combination lamp marked YM type YM-28116ELED were found to comply with the requirements of ECE Regulation No. 50-00.

## 1 APPLICATION FOR APPROVAL TESTING

In the period from 3 to 7 November 2009, samples of a rear combination lamp, trade name YM, type name YM-28116ELED, manufactured by Yu Ming Co., Ltd. in Tainan City, Taiwan were tested in the laboratory of ISOQA in Tainan, Taiwan.

The rear position and stop lamp are equipped with 24LEDs emitting red light. The rear combination lamp can be equipped with a smoke lens or a red lens.

A brief technical description and a drawing which were sufficiently detailed to permit identification of the model can be found in Annex 1 and 2 respectively.

The applicant desired an examination to check whether the rear combination lamp is in compliance with the requirements of the ECE Regulation No. 50-00.

## 2 EXAMINATION

The examination was carried out in accordance with the relevant clauses of the regulation concerned. The tests were performed taking into consideration the manufacturer's information concerning centre and axis of reference. For the photometric tests a test voltage of 13.5 V was applied.

## 3 RESULTS OF EXAMINATION

The results of the tests are summarised in Annex 3. Detailed results of the tests of the lamps are presented in Annex 4 tables 1 up to 8.

## 4 SUPPLEMENTARY REMARKS

The approval number 50R-001564 was assigned. The approval marking is shown in the drawing of Annex 2.

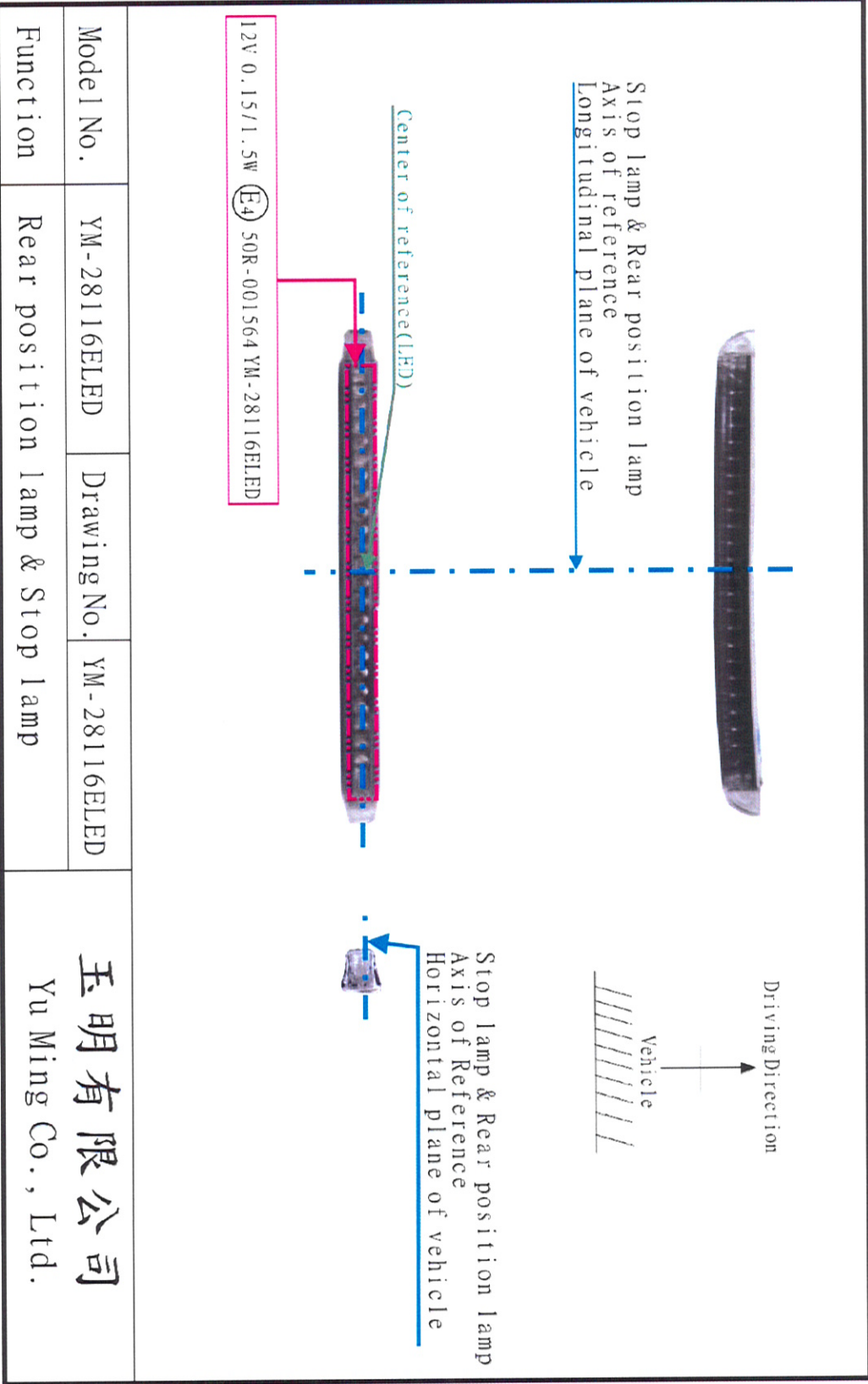


# Information Document

of Model Number- YM-28116ELED

Approval Number: 50R-001564

Manufacturer		
Name	Yu Ming Co., Ltd.	
Address	No.172-1 Sralun, Jonsha, Jon'un Antin Hsiang, Tainan Hsien, Taiwan, Republic of China	
Trade name or mark	YM	
Model Number	YM-28116ELED	
Material of lens	Plastic	
Rear Position (Reg.50)	Category	-
	Light Source	LED * 24, 12V, 0.15W
	Color of light emitted	Red
	Color of lens	Smoke or Red
Stop Lamp (Reg.50)	Category	-
	Light Source	LED * 24, 12V, 1.5W
	Color of light emitted	Red
	Color of lens	Smoke or Red



Model No.	YM-28116ELED	Drawing No.	YM-28116ELED	玉明有限公司 Yu Ming Co., Ltd.
Function	Rear position lamp & Stop lamp			

	
Front View (smoke lens)	Front View (red lens)
	
Side View (smoke lens)	Side View (red lens)
	
Top View (smoke lens)	Top View (red lens)

Examination of rear combination lamp YM-28116ELED carried out according to the relevant clauses of Regulation No. 50-00

Clause No.	Subject of the relevant clause	Judgement of the device	Remark
4	Markings: a trade name or mark b indication of the recommended lamp type c space reserved for the approval mark, including number and symbol	complies complies complies	
6	General specifications: a intensity and colour of the light emitted b maintenance of satisfactory operation and of photometric characteristics c field of visibility horizontal and vertical	complies complies complies	see below under 7 and 9 by visual inspection only
7	Intensity of the light emitted Luminance distribution	complies not applicable	see Annex 4 <sup>1 2</sup>
9	Colour of the light	complies	<sup>3</sup>

<sup>1</sup> The ratio of luminous intensities for the rear position lamp with respect to the stop-lamp is

Smoke: sample 1: 7.84 sample 2: 8.31 (Required ratio: more than 5).  
 Red: sample 1: 8.29 sample 2: 9.88 (Required ratio: more than 5).

<sup>2</sup> The rest results show that even if one light source is failing, the lamp continues to meet the requirements.

<sup>3</sup> Smoke: Rear position emitted red light: x=0.6958 y=0.3042  
 Smoke: Stop lamp emitted red light: x=0.7031 y=0.2969  
 Red: Rear position emitted red light: x=0.6965 y=0.3034  
 Red: Stop lamp emitted red light: x=0.7030 y=0.2970





Rear position lamp Sample 1 (smoke lens)

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**PHOTOMETRIC RESULTS**

<b>Program:</b>	00 (2004.04.03)	ECE R 50 Rear Position 2-2(LED)	
Rear Position Lamp reciprocally incorporated with stop lamp (2 lamps)			
<b>Name:</b>	09-0539 YM-28116ELED S093166 R-Postion Lamp-1(Smoke lens)1~30min 09 1103		
<b>Number:</b>	L090955		
<b>Test distance:</b>	3.16	<b>Meas.-no.:</b>	
<b>Lamp type:</b>	LED 13.5V		
<b>Number:</b>	LED		
<b>Flux:</b>	0.000 lm	<b>Operator:</b>	chen
<b>Voltage:</b>	13.494 V	<b>Date:</b>	11/3/2009 9:48:04 AM
<b>Current:</b>	0.013 A	<b>Set value:</b>	Const. voltage
<b>X-offset:</b>	0.00°	<b>Y-offset:</b>	0.00°
<b>Comment:</b>	Sample NO.1		

ECE R 50 Rear Position 2-2(LED)

Function	Min	Max	Value	H	V	N.O.K.
H - V ( 1 min)	4	16.8	14.440	0.00°	0.00°	
H - V ( 30 min)	4	16.8	14.770	0.00°	0.00°	
10U - 5L	0.8	16.8	7.357	-5.00°	10.00°	
10U - 5R	0.8	16.8	7.915	5.00°	10.00°	
5U - 20R	0.4	16.8	1.959	20.00°	5.00°	
5U - 10R	0.8	16.8	7.393	10.00°	5.00°	
5U - V	2.8	16.8	12.200	0.00°	5.00°	
5U - 10L	0.8	16.8	6.526	-10.00°	5.00°	
5U - 20L	0.4	16.8	1.521	-20.00°	5.00°	
H - 10L	1.4	16.8	7.228	-10.00°	0.00°	
H - 5L	3.6	16.8	11.490	-5.00°	0.00°	
H - 5R	3.6	16.8	13.050	5.00°	0.00°	
H - 10R	1.4	16.8	8.270	10.00°	0.00°	
5D - 20R	0.4	84	2.103	20.00°	-5.00°	
5D - 10R	0.8	84	7.398	10.00°	-5.00°	
5D - V	2.8	84	13.220	0.00°	-5.00°	
5D - 10L	0.8	84	6.700	-10.00°	-5.00°	
5D - 20L	0.4	84	1.670	-20.00°	-5.00°	
10D - 5L	0.8	84	7.550	-5.00°	-10.00°	
10D - 5R	0.8	84	7.866	5.00°	-10.00°	
Visibility below 5D	0.05	84	(0.089) 13.271	(-79.15°) 0.70°	(-8.00°) - 5.00°	
Visibility above 5D	0.05	16.8	(0.089) 14.837	(-80.00°) 1.00°	(-5.00°) 0.00°	





Rear position lamp Sample 2 (smoke lens)

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**PHOTOMETRIC RESULTS**

<b>Program:</b>	00 (2004.04.03)	ECE R 50 Rear Position 2-2(LED)	
Rear Position Lamp reciprocally incorporated with stop lamp (2 lamps)			
<b>Name:</b>	09-0539 YM-28116ELED S093167 R-Postion Lamp-2(Smoke lens)1~30min 09 1103		
<b>Number:</b>	L090955		
<b>Test distance:</b>	3.16	<b>Meas.-no.:</b>	
<b>Lamp type:</b>	LED 13.5V		
<b>Number:</b>	LED		
<b>Flux:</b>	0.000 lm	<b>Operator:</b>	chen
<b>Voltage:</b>	13.494 V	<b>Date:</b>	11/3/2009 11:58:52 AM
<b>Current:</b>	0.013 A	<b>Set value:</b>	Const. voltage
<b>X-offset:</b>	0.00°	<b>Y-offset:</b>	0.00°
<b>Comment:</b>	Sample NO.2		

**ECE R 50 Rear Position 2-2(LED)**

Function	Min	Max	Value	H	V	N.O.K.
H - V ( 1 min)	4	16.8	12.420	0.00°	0.00°	
H - V ( 30 min)	4	16.8	12.290	0.00°	0.00°	
10U - 5L	0.8	16.8	11.790	-5.00°	10.00°	
10U - 5R	0.8	16.8	10.380	5.00°	10.00°	
5U - 20R	0.4	16.8	1.741	20.00°	5.00°	
5U - 10R	0.8	16.8	6.695	10.00°	5.00°	
5U - V	2.8	16.8	14.570	0.00°	5.00°	
5U - 10L	0.8	16.8	9.120	-10.00°	5.00°	
5U - 20L	0.4	16.8	2.574	-20.00°	5.00°	
H - 10L	1.4	16.8	8.189	-10.00°	0.00°	
H - 5L	3.6	16.8	11.090	-5.00°	0.00°	
H - 5R	3.6	16.8	9.710	5.00°	0.00°	
H - 10R	1.4	16.8	5.942	10.00°	0.00°	
5D - 20R	0.4	84	1.188	20.00°	-5.00°	
5D - 10R	0.8	84	4.484	10.00°	-5.00°	
5D - V	2.8	84	8.300	0.00°	-5.00°	
5D - 10L	0.8	84	6.084	-10.00°	-5.00°	
5D - 20L	0.4	84	1.779	-20.00°	-5.00°	
10D - 5L	0.8	84	4.872	-5.00°	-10.00°	
10D - 5R	0.8	84	4.187	5.00°	-10.00°	
Visibility below 5D	0.05	84	(0.054) 8.391	(-79.50°) - 1.65°	(-10.00°) - 5.00°	
Visibility above 5D	0.05	16.8	(0.058) 14.582	(-79.75°) - 0.50°	(-4.00°) - 5.00°	



Stop lamp Sample 1 (smoke lens)

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**PHOTOMETRIC RESULTS**

<b>Program:</b>	2004.04.29	ECE R 50 Stop Lamp 2(LED)	
Stop Lamp(assembly of two lamps)			
<b>Name:</b>	09-0539 YM-28116ELED S-09-3166 Stop Lamp-1(Smoke lens) 1~30min 09 1103		
<b>Number:</b>	L090955		
<b>Test distance:</b>	3.16	<b>Meas.-no.:</b>	
<b>Lamp type:</b>	LED 13.5V		
<b>Number:</b>	LED		
<b>Flux:</b>	0.000 lm	<b>Operator:</b>	chen
<b>Voltage:</b>	13.494 V	<b>Date:</b>	11/3/2009 8:54:59 AM
<b>Current:</b>	0.161 A	<b>Set value:</b>	Const. voltage
<b>X-offset:</b>	0.00°	<b>Y-offset:</b>	0.00°
<b>Comment:</b>	sample NO.1		

**ECE R 50 Stop Lamp 2(LED)**

Function	Min	Max	Value	H	V	N.O.K.
H - V(1 min)	40	259	139.400	0.00°	0.00°	
H - V(30 min)	40	259	101.000	0.00°	0.00°	
10U - 5L	8	259	50.510	-5.00°	10.00°	
10U - 5R	8	259	52.970	5.00°	10.00°	
5U - 20R	4	259	13.290	20.00°	5.00°	
5U - 10R	8	259	50.610	10.00°	5.00°	
5U - V	28	259	83.100	0.00°	5.00°	
5U - 10L	8	259	46.200	-10.00°	5.00°	
5U - 20L	4	259	11.220	-20.00°	5.00°	
H - 10L	14	259	51.480	-10.00°	0.00°	
H - 5L	36	259	81.420	-5.00°	0.00°	
H - 5R	36	259	88.600	5.00°	0.00°	
H - 10R	14	259	57.050	10.00°	0.00°	
5D - 20R	4	259	14.320	20.00°	-5.00°	
5D - 10R	8	259	50.890	10.00°	-5.00°	
5D - V	28	259	90.900	0.00°	-5.00°	
5D - 10L	8	259	47.920	-10.00°	-5.00°	
5D - 20L	4	259	12.440	-20.00°	-5.00°	
10D - 5L	8	259	52.970	-5.00°	-10.00°	
10D - 5R	8	259	53.440	5.00°	-10.00°	
Visibility	0.3	259	(1.789) 101.211	(-45.00°) 0.50°	(-6.00°) 0.00°	



Stop Lamp sample 2 (smoke lens)

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**PHOTOMETRIC RESULTS**

<b>Program:</b>	2004.04.29	ECE R 50 Stop Lamp 2(LED)	
Stop Lamp(assembly of two lamps)			
<b>Name:</b>	09-0539 YM-28116ELED S-09-3167 Stop Lamp-2(Smoke lens) 1~30min 09 1103		
<b>Number:</b>	L090955		
<b>Test distance:</b>	3.16	<b>Meas.-no.:</b>	
<b>Lamp type:</b>	LED 13.5V		
<b>Number:</b>	LED		
<b>Flux:</b>	0.000 lm	<b>Operator:</b>	chen
<b>Voltage:</b>	13.494 V	<b>Date:</b>	11/3/2009 10:49:33 AM
<b>Current:</b>	0.149 A	<b>Set value:</b>	Const. voltage
<b>X-offset:</b>	0.00°	<b>Y-offset:</b>	0.00°
<b>Comment:</b>	sample NO.2		

**ECE R 50 Stop Lamp 2(LED)**

Function	Min	Max	Value	H	V	N.O.K.
H - V(1 min)	40	259	128.600	0.00°	0.00°	
H - V(30 min)	40	259	89.900	0.00°	0.00°	
10U - 5L	8	259	80.300	-5.00°	10.00°	
10U - 5R	8	259	69.670	5.00°	10.00°	
5U - 20R	4	259	11.710	20.00°	5.00°	
5U - 10R	8	259	46.030	10.00°	5.00°	
5U - V	28	259	101.700	0.00°	5.00°	
5U - 10L	8	259	65.050	-10.00°	5.00°	
5U - 20L	4	259	18.350	-20.00°	5.00°	
H - 10L	14	259	60.620	-10.00°	0.00°	
H - 5L	36	259	81.150	-5.00°	0.00°	
H - 5R	36	259	70.950	5.00°	0.00°	
H - 10R	14	259	42.190	10.00°	0.00°	
5D - 20R	4	259	8.520	20.00°	-5.00°	
5D - 10R	8	259	32.430	10.00°	-5.00°	
5D - V	28	259	61.660	0.00°	-5.00°	
5D - 10L	8	259	46.160	-10.00°	-5.00°	
5D - 20L	4	259	13.750	-20.00°	-5.00°	
10D - 5L	8	259	37.860	-5.00°	-10.00°	
10D - 5R	8	259	31.390	5.00°	-10.00°	
Visibility	0.3	259	(1.792) 101.253	(45.00°) - 0.25°	(-10.00°) 5.00°	





Rear position lamp Sample 1 (red lens)

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**PHOTOMETRIC RESULTS**

<b>Program:</b>	00	ECE R 50 Rear Position 1-2(LED)	
Rear Position Lamp (two lamps)			
<b>Name:</b>	09-0539 YM-28116ELED S092926 R-Postion Lamp-1(Red lens)1~30min 09 1007		
<b>Number:</b>	L090880		
<b>Test distance:</b>	3.16	<b>Meas.-no.:</b>	
<b>Lamp type:</b>	LED 13.5V		
<b>Number:</b>	LED		
<b>Flux:</b>	0.000 lm	<b>Operator:</b>	chen
<b>Voltage:</b>	13.494 V	<b>Date:</b>	10/7/2009 5:34:34 PM
<b>Current:</b>	0.014 A	<b>Set value:</b>	Const. voltage
<b>X-offset:</b>	-2.00°	<b>Y-offset:</b>	0.00°
<b>Comment:</b>	Sample NO.1		

**ECE R 50 Rear Position 1-2(LED)**

Function	Min	Max	Value	H	V	N.O.K.
H - V(1min)	4	16.8	7.159	0.00°	0.00°	
H - V(30min)	4	16.8	7.167	0.00°	0.00°	
10U - 5L	0.8	16.8	4.683	-5.00°	10.00°	
10U - 5R	0.8	16.8	5.029	5.00°	10.00°	
5U - 20R	0.4	16.8	1.941	20.00°	5.00°	
5U - 10R	0.8	16.8	6.560	10.00°	5.00°	
5U - V	2.8	16.8	5.699	0.00°	5.00°	
5U - 10L	0.8	16.8	6.639	-10.00°	5.00°	
5U - 20L	0.4	16.8	2.236	-20.00°	5.00°	
H - 10L	1.4	16.8	6.316	-10.00°	0.00°	
H - 5L	3.6	16.8	7.224	-5.00°	0.00°	
H - 5R	3.6	16.8	7.165	5.00°	0.00°	
H - 10R	1.4	16.8	5.976	10.00°	0.00°	
5D - 20R	0.4	16.8	1.076	20.00°	-5.00°	
5D - 10R	0.8	16.8	3.735	10.00°	-5.00°	
5D - V	2.8	16.8	5.717	0.00°	-5.00°	
5D - 10L	0.8	16.8	3.977	-10.00°	-5.00°	
5D - 20L	0.4	16.8	1.117	-20.00°	-5.00°	
10D - 5L	0.8	16.8	2.454	-5.00°	-10.00°	
10D - 5R	0.8	16.8	2.447	5.00°	-10.00°	
Visibility	0.05	16.8	(0.056) 7.244	(80.00°) - 5.75°	(-1.00°) 1.00°	



Rear position lamp Sample 2 (red lens)

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**PHOTOMETRIC RESULTS**

<b>Program:</b>	00	ECE R 50 Rear Position 1-2(LED)	
Rear Position Lamp (two lamps)			
<b>Name:</b>	09-0539 YM-28116ELED S092927 R-Postion Lamp-2(Red lens)1~30min 09 1007		
<b>Number:</b>	L090880		
<b>Test distance:</b>	3.16	<b>Meas.-no.:</b>	
<b>Lamp type:</b>	LED 13.5V		
<b>Number:</b>	LED		
<b>Flux:</b>	0.000 lm	<b>Operator:</b>	chen
<b>Voltage:</b>	13.494 V	<b>Date:</b>	10/7/2009 7:05:48 PM
<b>Current:</b>	0.014 A	<b>Set value:</b>	Const. voltage
<b>X-offset:</b>	-2.00°	<b>Y-offset:</b>	0.00°
<b>Comment:</b>	Sample NO.2		

**ECE R 50 Rear Position 1-2(LED)**

Function	Min	Max	Value	H	V	N.O.K.
H - V(1min)	4	16.8	4.998	0.00°	0.00°	
H - V(30min)	4	16.8	5.004	0.00°	0.00°	
10U - 5L	0.8	16.8	4.775	-5.00°	10.00°	
10U - 5R	0.8	16.8	4.662	5.00°	10.00°	
5U - 20R	0.4	16.8	2.114	20.00°	5.00°	
5U - 10R	0.8	16.8	6.108	10.00°	5.00°	
5U - V	2.8	16.8	4.366	0.00°	5.00°	
5U - 10L	0.8	16.8	5.817	-10.00°	5.00°	
5U - 20L	0.4	16.8	1.905	-20.00°	5.00°	
H - 10L	1.4	16.8	6.001	-10.00°	0.00°	
H - 5L	3.6	16.8	5.676	-5.00°	0.00°	
H - 5R	3.6	16.8	5.710	5.00°	0.00°	
H - 10R	1.4	16.8	6.448	10.00°	0.00°	
5D - 20R	0.4	16.8	1.369	20.00°	-5.00°	
5D - 10R	0.8	16.8	5.368	10.00°	-5.00°	
5D - V	2.8	16.8	5.361	0.00°	-5.00°	
5D - 10L	0.8	16.8	4.994	-10.00°	-5.00°	
5D - 20L	0.4	16.8	1.591	-20.00°	-5.00°	
10D - 5L	0.8	16.8	4.307	-5.00°	-10.00°	
10D - 5R	0.8	16.8	4.644	5.00°	-10.00°	
Visibility	0.05	16.8	(0.054) 6.855	(80.00°) 9.50°	(-10.00°) 0.00°	



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Annex 4, table 7 of 8

Stop lamp Sample 1 (red lens)

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**PHOTOMETRIC RESULTS**

<b>Program:</b>	2004.04.29	ECE R 50 Stop Lamp 2(LED)	
Stop Lamp(assembly of two lamps)			
<b>Name:</b>	09-0539 YM-28116ELED S-09-2926 Stop Lamp-1(Red lens) 1~30min 09_1007		
<b>Number:</b>	L090880		
<b>Test distance:</b>	3.16	<b>Meas.-no.:</b>	
<b>Lamp type:</b>	LED 13.5V		
<b>Number:</b>	LED		
<b>Flux:</b>	0.000 lm	<b>Operator:</b>	chen
<b>Voltage:</b>	13.494 V	<b>Date:</b>	10/7/2009 6:17:45 PM
<b>Current:</b>	0.155 A	<b>Set value:</b>	Const. voltage
<b>X-offset:</b>	-2.00°	<b>Y-offset:</b>	0.00°
<b>Comment:</b>	sample NO.1		

**ECE R 50 Stop Lamp 2(LED)**

Function	Min	Max	Value	H	V	N.O.K.
H - V(1 min)	40	259	71.300	0.00°	0.00°	
H - V(30 min)	40	259	52.270	0.00°	0.00°	
10U - 5L	8	259	33.420	-5.00°	10.00°	
10U - 5R	8	259	35.470	5.00°	10.00°	
5U - 20R	4	259	15.160	20.00°	5.00°	
5U - 10R	8	259	48.690	10.00°	5.00°	
5U - V	28	259	38.880	0.00°	5.00°	
5U - 10L	8	259	47.950	-10.00°	5.00°	
5U - 20L	4	259	16.530	-20.00°	5.00°	
H - 10L	14	259	47.920	-10.00°	0.00°	
H - 5L	36	259	53.040	-5.00°	0.00°	
H - 5R	36	259	53.380	5.00°	0.00°	
H - 10R	14	259	46.650	10.00°	0.00°	
5D - 20R	4	259	8.560	20.00°	-5.00°	
5D - 10R	8	259	30.710	10.00°	-5.00°	
5D - V	28	259	45.480	0.00°	-5.00°	
5D - 10L	8	259	32.160	-10.00°	-5.00°	
5D - 20L	4	259	8.760	-20.00°	-5.00°	
10D - 5L	8	259	20.340	-5.00°	-10.00°	
10D - 5R	8	259	20.630	5.00°	-10.00°	
Visibility	0.3	259	(1.669) 54.170	(-45.00°) - 3.75°	(12.00°) - 1.00°	





Stop Lamp sample 2 (red lens)

ISOQA

**PHOTOMETRIC RESULTS**

<b>Program:</b>	2004.04.29	ECE R 50 Stop Lamp 2(LED)	
Stop Lamp(assembly of two lamps)			
<b>Name:</b>	09-0539 YM-28116ELED S-09-2927 Stop Lamp-2(Red lens) 1~30min 09_1007		
<b>Number:</b>	L090880		
<b>Test distance:</b>	3.16	<b>Meas.-no.:</b>	
<b>Lamp type:</b>	LED 13.5V		
<b>Number:</b>	LED		
<b>Flux:</b>	0.000 lm	<b>Operator:</b>	chen
<b>Voltage:</b>	13.494 V	<b>Date:</b>	10/7/2009 7:53:29 PM
<b>Current:</b>	0.155 A	<b>Set value:</b>	Const. voltage
<b>X-offset:</b>	-2.00°	<b>Y-offset:</b>	0.00°
<b>Comment:</b>	sample NO.2		

**ECE R 50 Stop Lamp 2(LED)**

Function	Min	Max	Value	H	V	N.O.K.
H - V(1 min)	40	259	52.970	0.00°	0.00°	
H - V(30 min)	40	259	44.450	0.00°	0.00°	
10U - 5L	8	259	41.780	-5.00°	10.00°	
10U - 5R	8	259	40.250	5.00°	10.00°	
5U - 20R	4	259	19.500	20.00°	5.00°	
5U - 10R	8	259	53.780	10.00°	5.00°	
5U - V	28	259	38.720	0.00°	5.00°	
5U - 10L	8	259	51.150	-10.00°	5.00°	
5U - 20L	4	259	16.030	-20.00°	5.00°	
H - 10L	14	259	52.250	-10.00°	0.00°	
H - 5L	36	259	49.200	-5.00°	0.00°	
H - 5R	36	259	48.890	5.00°	0.00°	
H - 10R	14	259	56.450	10.00°	0.00°	
5D - 20R	4	259	11.880	20.00°	-5.00°	
5D - 10R	8	259	47.600	10.00°	-5.00°	
5D - V	28	259	45.720	0.00°	-5.00°	
5D - 10L	8	259	42.410	-10.00°	-5.00°	
5D - 20L	4	259	13.370	-20.00°	-5.00°	
10D - 5L	8	259	36.530	-5.00°	-10.00°	
10D - 5R	8	259	40.510	5.00°	-10.00°	
Visibility	0.3	259	(2.071) 55.355	(-45.00°) 9.75°	(6.00°) 0.00°	