

PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L2244 MID+INT SYM BGLARE K3 840 HO		
Number:	90506+90498L008	Diameter:	0 mm
Report:	24-01-2020	Length:	2244 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 840 - 01	Height:	72 mm
Number:	01	Power:	57,62 W
Lamp flux:	9440,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 12:15:48	Output ratio:	62,0 %

Protocol

LiTG-class: A50
UTE-class: 0,62 C
IES-class: 63 - 88 - 97 - 100 - 62
TM5-class: BZ2/1.25/BZ3/2.00/BZ2/2.50/BZ3

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	81,1°	80,4°
Half peak side angle (left)	-40,6°	-40,2°
Half peak side angle (right)	40,6°	40,2°
One tenth peak divergence	133,4°	138,5°
Tenth peak side angle (left)	-66,7°	-69,2°
Tenth peak side angle (right)	66,7°	69,2°

C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

Gamma:	0,0°	5,0°	10,0°	15,0°	20,0°	25,0°	30,0°	35,0°	40,0°	45,0°
	50,0°	55,0°	60,0°	65,0°	70,0°	75,0°	80,0°	85,0°	90,0°	

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Polar diagram REBA 50 /E EXT LINE L2244 MID+INT SYM BGLARE K3 840 HO / Direct
in 15° C / 5° G



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UGR Unified Glare Ratios

Ceiling reflectance		0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3
Wall reflectance		0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3
Floor cavity reflectance		0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Room dimension		Viewed crosswise					Viewed endwise				
2H	2H	17,1	18,5	17,5	18,9	19,2	18,8	20,3	19,2	20,6	20,9
2H	3H	17,6	18,9	18,0	19,2	19,6	19,4	20,7	19,8	21,1	21,4
2H	4H	17,8	19,0	18,1	19,3	19,7	19,7	20,9	20,1	21,2	21,6
2H	6H	17,9	19,0	18,3	19,4	19,8	19,9	21,0	20,3	21,4	21,8
2H	8H	17,9	19,0	18,3	19,3	19,7	19,9	21,0	20,3	21,4	21,8
2H	12H	17,9	18,9	18,3	19,3	19,7	19,9	21,0	20,3	21,4	21,8
4H	2H	17,4	18,6	17,8	19,0	19,3	18,9	20,1	19,3	20,5	20,9
4H	3H	18,0	19,0	18,4	19,4	19,8	19,6	20,7	20,0	21,0	21,5
4H	4H	18,3	19,2	18,7	19,6	20,1	20,0	20,9	20,4	21,3	21,7
4H	6H	18,5	19,3	18,9	19,7	20,1	20,2	21,0	20,7	21,4	21,9
4H	8H	18,5	19,2	19,0	19,7	20,2	20,3	21,0	20,8	21,5	21,9
4H	12H	18,5	19,2	19,0	19,7	20,2	20,4	21,0	20,8	21,5	22,0
8H	4H	18,4	19,1	18,8	19,6	20,0	20,0	20,7	20,4	21,2	21,6
8H	6H	18,6	19,2	19,1	19,7	20,2	20,2	20,8	20,7	21,3	21,8
8H	8H	18,7	19,2	19,2	19,8	20,2	20,4	20,9	20,9	21,4	21,9
8H	12H	18,7	19,2	19,3	19,7	20,2	20,5	20,9	21,0	21,4	21,9
12H	4H	18,4	19,1	18,8	19,5	20,0	19,9	20,6	20,4	21,1	21,6
12H	6H	18,6	19,2	19,1	19,7	20,2	20,3	20,8	20,8	21,3	21,8
12H	8H	18,7	19,2	19,2	19,7	20,2	20,4	20,8	20,9	21,3	21,9

UGR values are corrected for lamp flux of 9440 lm by 7,8

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Luminance [cd/m²] REBA 50 /E EXT LINE L2244 MID+INT SYM BGLARE K3 840 HO //
Direct in 15° C / 5° G

G/C [cd/	0,00	15,00	30,00	45,00	60,00	75,00	90,00	105,00	120,00
45,00	6741,81	6898,59	7537,48	8565,05	9950,77	12284,5	16963,4	12284,5	9950,77
50,00	5110,15	5209,10	5663,00	6496,63	7655,33	9529,74	13805,1	9529,74	7655,33
55,00	3823,66	3879,33	4278,47	4831,23	5720,60	7242,63	11126,4	7242,63	5720,60
60,00	2859,98	2876,02	3218,60	3548,72	4267,48	5524,00	9139,43	5524,00	4267,48
65,00	2131,77	2138,37	2361,89	2625,62	3171,41	4176,55	7558,12	4176,55	3171,41
70,00	1598,05	1631,76	1775,98	1954,50	2369,15	3184,39	6318,90	3184,39	2369,15
75,00	1191,25	1224,58	1312,70	1441,24	1740,68	2450,05	5486,59	2450,05	1740,68
80,00	813,43	816,69	895,30	962,69	1192,35	1766,06	4719,91	1766,06	1192,35
85,00	437,87	443,69	495,88	520,21	649,54	973,04	3701,71	973,04	649,54

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8565,05	7537,48	6898,59	6741,81	6898,59	7537,48	8565,05	9950,77	12284,5
50,00	6496,63	5663,00	5209,10	5110,15	5209,10	5663,00	6496,63	7655,33	9529,74
55,00	4831,23	4278,47	3879,33	3823,66	3879,33	4278,47	4831,23	5720,60	7242,63
60,00	3548,72	3218,60	2876,02	2859,98	2876,02	3218,60	3548,72	4267,48	5524,00
65,00	2625,62	2361,89	2138,37	2131,77	2138,37	2361,89	2625,62	3171,41	4176,55
70,00	1954,50	1775,98	1631,76	1598,05	1631,76	1775,98	1954,50	2369,15	3184,39
75,00	1441,24	1312,70	1224,58	1191,25	1224,58	1312,70	1441,24	1740,68	2450,05
80,00	962,69	895,30	816,69	813,43	816,69	895,30	962,69	1192,35	1766,06
85,00	520,21	495,88	443,69	437,87	443,69	495,88	520,21	649,54	973,04

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16963,4	12284,5	9950,77	8565,05	7537,48	6898,59
50,00	13805,1	9529,74	7655,33	6496,63	5663,00	5209,10
55,00	11126,4	7242,63	5720,60	4831,23	4278,47	3879,33
60,00	9139,43	5524,00	4267,48	3548,72	3218,60	2876,02
65,00	7558,12	4176,55	3171,41	2625,62	2361,89	2138,37
70,00	6318,90	3184,39	2369,15	1954,50	1775,98	1631,76
75,00	5486,59	2450,05	1740,68	1441,24	1312,70	1224,58
80,00	4719,91	1766,06	1192,35	962,69	895,30	816,69
85,00	3701,71	973,04	649,54	520,21	495,88	443,69

HEADQUARTERS

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