

Relationship brightness B_{LT}^* and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a=200$ cd/m ²								
$B_{LT}^*(L_T, L_a, \varphi) = C_T(\varphi)L_T^n - B_a(L_a, \varphi)$				brightness B_{LT}^* [1]				
$B_a(L_a, \varphi) = C_T(\varphi)[S_0(\varphi) + S_1(\varphi)L_a^n]$				(n=0,31) [2]				
$L_{Lt}(L_a, \varphi) = [S_0(\varphi) + S_1(\varphi)L_a^n]^{1/n}$				(t=black threshold) [3]				
L_T	φ	$C_T(\varphi)$	ΔL	B^*/B_u^*	$B_a(L_a, \varphi)$	B_{LT}^*	L_{Lt}	L_a/L_T
10,55	120'	22,969	0,210	3,00 P	30,71	131,98	2,55	22,96
6,60	120'	22,969	0,152	2,50	31,54	109,99	2,55	22,96
3,81	120'	22,969	0,104	2,00 D	33,11	87,99	2,55	22,96
1,97	120'	22,969	0,066	1,50	36,07	65,99	2,55	22,96
0,85	120'	22,969	0,037	1,00 U	47,94	43,99	2,55	22,96
0,27	120'	22,969	0,017	0,50	57,02	21,99	2,55	22,96
2,55	120'	22,969	0,054	0,00 N	71,70	0,00	2,55	22,96
0,85	120'	22,969	0,037	1,00 U	47,94	43,99	2,55	22,96

hes91-1a j=2, $L_r=300$, $L_{aj}=200$, $\varphi=120'$,

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$B_{LT}^*(L_T, L_a, \varphi) = s_x(\varphi)L_T^n - d_{xa}(L_a, \varphi)$				brightness B_{LT}^* [1]				
$B_a(L_a, \varphi) = C_T(\varphi)[S_0(\varphi) + S_1(\varphi)L_a^n]$				(n=0,31) [2]				
$s_x(\varphi) = C_T(\varphi)$ [3]				$d_{xa}(\varphi) = B_a(L_a, \varphi)$ [4]				(s=scaling factor)
L_T	φ	$C_T(\varphi)$	ΔL	B^*/B_u^*	$B_a(L_a, \varphi)$	B_{LT}^*	$s_x(\varphi)$	$d_{xa}(\varphi)$
10,55	120'	22,969	0,210	3,00 P	30,71	131,98	2,55	22,96
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hes91-2a j=2, $L_r=300$, $L_{aj}=200$, $\varphi=120'$,

Relationship brightness B_{YT}^* and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a=200$ cd/m ²								
$B_{YT}^*(L_T, L_r, L_r, \varphi) = [C_T(\varphi)L_T^n - B_r(L_r, \varphi)]B_{ra}^*$				brightness B_{YT}^* [1]				
$B_r(L_r, \varphi) = C_T(\varphi)[S_0(\varphi) + S_1(\varphi)L_r^n]$				(n=0,31, $B_{ra}^*=B_{LT,r}^*/B_{LT,a}^*$) [2]				
$L_{Yt}(L_a, \varphi) = [S_0(\varphi) + S_1(\varphi)L_r^n]^{1/n} B_{ra}^*$				(t=black threshold) [3]				
Y_T	φ	$C_T(\varphi)$	ΔY	B^*/B_u^*	$B_r(L_r, \varphi)$	B_{YT}^*	L_{Yt}	L_a/L_T
10,55	120'	22,969	0,210	3,00 P	30,71	131,98	2,55	22,96
6,60	120'	22,969	0,152	2,50	31,54	109,99	2,55	22,96
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0,27	120'	22,969	0,017	0,50	57,02	21,99	2,55	22,96
2,55	120'	22,969	0,054	0,00 N	71,70	0,00	2,55	22,96
0,85	120'	22,969	0,037	1,00 U	47,94	43,99	2,55	22,96

hes91-3a j=2, $L_r=300$, $L_{aj}=200$, $\varphi=120'$,

hes90-3R_R

Relationship brightness B_{YT}^* and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a=200$ cd/m ²								
$B_{YT}^*(L_T, L_r, \varphi) = s_{yra}(\varphi)L_T^n - d_{yra}(\varphi)$				brightness B_{YT}^* [1]				
$B_r(L_r, \varphi) = C_T(\varphi)[S_0(\varphi) + S_1(\varphi)L_r^n]$				(n=0,31, $B_{ra}^*=B_{LT,r}^*/B_{LT,a}^*$) [2]				
$s_{yra}(\varphi)=C_T(\varphi)B_{ra}^*$ [3]				$d_{yra}(\varphi)=B_r(L_r, \varphi)B_{ra}^*$ [4]				(s=scaling factor)
Y_T	φ	$C_T(\varphi)$	ΔY	B^*/B_u^*	$B_r(L_r, \varphi)$	B_{YT}^*	$s_{yra}(\varphi)$	$d_{yra}(\varphi)$
10,55	120'	22,969	0,210	3,00 P	30,71	131,98	2,55	22,96
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2,55	120'	22,969	0,054	0,00 N	71,70	0,00	2,55	22,96
0,85	120'	22,969	0,037	1,00 U	47,94	43,99	2,55	22,96

hes91-4a j=2, $L_r=300$, $L_{aj}=200$, $\varphi=120'$,