

Relationship brightness B_{LT}^* and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a=3$ 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]								
$L_{L_t}(L_a, \varphi) = [S_0(\varphi) + S_1(\varphi)L_a^n]^{1/n}$ (t=black threshold) [3]								
L_T	φ	$C_T(\varphi)$	$S_0(\varphi)$	$S_1(\varphi)$	$B_a(L_a, \varphi)$	B_{LT}^*	L_{L_t}	L_a/L_T
7	120°	22,969	0,0718	0,2448	9,55	34,10	0,05	50,79
5	120°	22,969	0,0718	0,2448	9,55	28,41	0,05	50,79
2	120°	22,969	0,0718	0,2448	9,55	22,73	0,05	50,79
1	120°	22,969	0,0718	0,2448	9,55	17,05	0,05	50,79
0	120°	22,969	0,0718	0,2448	9,55	11,36	0,05	50,79
0	120°	22,969	0,0718	0,2448	9,55	5,68	0,05	50,79
0,05	120°	22,969	0,0718	0,2448	9,55	0,00	0,05	50,79
0	120°	22,969	0,0718	0,2448	9,83	11,36	0,05	50,79

hes21-5a j=3, $L_r=300$, $L_{aj}=3$, $\varphi=120^\circ$, $B_a=9,55$, $B_{LT}^*=22,73$

Relationship brightness B_{LT}^* and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a=3$ cd/m ²									
$B_{LT}^*(L_T, L_a, \varphi) = s_x(\varphi)L_T^n - d_{xa}(L_a, \varphi)$ 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	$C_T(\varphi)$	$S_0(\varphi)$	$S_1(\varphi)$	$B_a(L_a, \varphi)$	B_{LT}^*	$s_x(\varphi)$	$d_{xa}(\varphi)$	
7	120°	22,969	0,0718	0,2448	9,55	34,10	22,96	9,55	
5	120°	22,969	0,0718	0,2448	9,55	28,41	22,96	9,55	
2	120°	22,969	0,0718	0,2448	9,55	22,73	22,96	9,55	
1	120°	22,969	0,0718	0,2448	9,55	17,05	22,96	9,55	
0	120°	22,969	0,0718	0,2448	9,55	11,36	22,96	9,55	
0	120°	22,969	0,0718	0,2448	9,55	5,68	22,96	9,55	
0,05	120°	22,969	0,0718	0,2448	9,55	0,00	22,96	9,55	
0	120°	22,969	0,0718	0,2448	9,83	11,36	22,96	9,55	

hes21-6a j=3, $L_r=300$, $L_{aj}=3$, $\varphi=120^\circ$, $B_a=9,55$, $B_{LT}^*=22,73$, $s_x=22,96$, $d_{xa}=9,55$

Relationship brightness B_{YT}^* and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a=3$ 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]								
$L_{Y_t}(L_a, \varphi) = [S_0(\varphi) + S_1(\varphi)L_r^n]^{1/n} B_{ra}^*$ (t=black threshold) [3]								
Y_T	φ	$C_T(\varphi)$	$S_0(\varphi)$	$S_1(\varphi)$	$B_r(L_r, \varphi)$	B_{YT}^*	L_{Y_t}	L_a/L_T
34	120°	22,969	0,0718	0,2448	34,60	149,99	0,25	50,79
22	120°	22,969	0,0718	0,2448	34,60	124,99	0,25	50,79
13	120°	22,969	0,0718	0,2448	34,60	99,99	0,25	50,79
7	120°	22,969	0,0718	0,2448	34,60	74,99	0,25	50,79
3	120°	22,969	0,0718	0,2448	34,60	49,99	0,25	50,79
1	120°	22,969	0,0718	0,2448	34,60	24,99	0,25	50,79
0,05	120°	22,969	0,0718	0,2448	34,60	0,00	0,25	50,79
3	120°	22,969	0,0718	0,2448	35,53	49,99	0,25	50,79

hes21-7a j=3, $L_r=300$, $L_{aj}=3$, $\varphi=120^\circ$, $B_r=34,60$, $B_{YT}^*=10,17$

hes20-3R_R

Relationship brightness B_{YT}^* and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a=3$ cd/m ²									
$B_{YT}^*(L_T, L_r, L_r, \varphi) = s_{yra}(\varphi)L_T^n - d_{yra}(\varphi)$ 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	$C_T(\varphi)$	$S_0(\varphi)$	$S_1(\varphi)$	$B_r(L_r, \varphi)$	B_{YT}^*	$s_{yra}(\varphi)$	$d_{yra}(\varphi)$	
34	120°	22,969	0,0718	0,2448	34,60	149,99	101,03	42,03	
22	120°	22,969	0,0718	0,2448	34,60	124,99	101,03	42,03	
13	120°	22,969	0,0718	0,2448	34,60	99,99	101,03	42,03	
7	120°	22,969	0,0718	0,2448	34,60	74,99	101,03	42,03	
3	120°	22,969	0,0718	0,2448	34,60	49,99	101,03	42,03	
1	120°	22,969	0,0718	0,2448	34,60	24,99	101,03	42,03	
0,25	120°	22,969	0,0718	0,2448	34,60	0,00	101,03	42,03	
3	120°	22,969	0,0718	0,2448	35,53	49,99	101,03	42,03	

hes21-8a j=3, $L_r=300$, $L_{aj}=3$, $\varphi=120^\circ$, $B_r=34,60$, $B_{YT}^*=10,17$, $s_{yra}=101,03$, $d_{yra}=42,03$