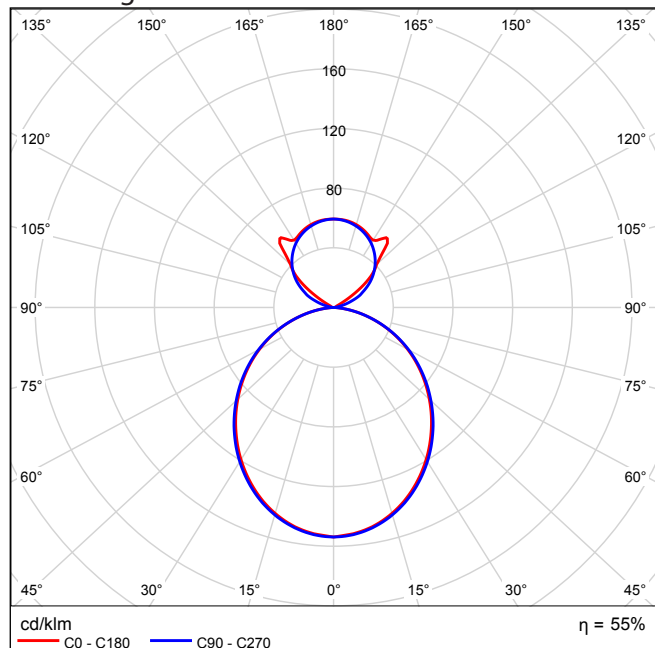


Cover HS clear (top), cover DHS frosted (bottom)

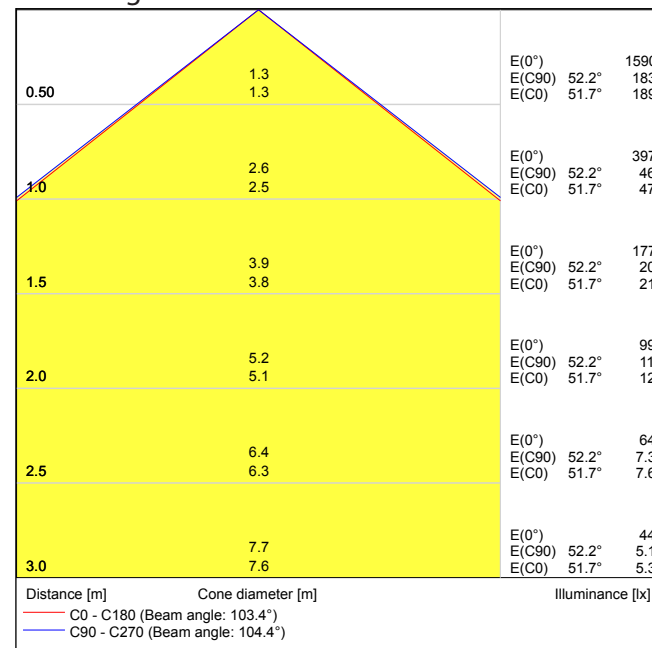
LED 2 x 12" (30cm) K-30-1220 / 3000K (top)

LED 4 x 12" (30cm) K-30-1820 / 3000K (bottom)

Polar diagram



Cone diagram



UGR diagram

Glare evaluation according to UGR												
p Ceiling	70	70	50	50	30	70	70	50	50	30		
p Walls	50	30	50	30	30	50	30	50	30	30		
p Floor	20	20	20	20	20	20	20	20	20	20		
Room size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis						
2H	2H	21.4	22.4	22.1	23.1	23.8	22.1	23.1	22.8	23.7	24.5	
	3H	22.6	23.5	23.3	24.1	24.9	23.5	24.3	24.1	25.0	25.8	
	4H	23.0	23.8	23.7	24.5	25.3	23.9	24.8	24.6	25.5	26.3	
	6H	23.2	23.9	23.9	24.6	25.4	24.2	25.0	25.0	25.7	26.5	
	8H	23.2	23.9	23.9	24.6	25.5	24.3	25.0	25.0	25.7	26.6	
	12H	23.1	23.8	23.9	24.6	25.4	24.3	25.0	25.0	25.7	26.6	
4H	2H	22.0	22.8	22.7	23.5	24.3	22.5	23.3	23.2	24.0	24.8	
	3H	23.3	23.9	24.0	24.7	25.5	24.0	24.7	24.7	25.4	26.3	
	4H	23.7	24.3	24.5	25.1	26.0	24.6	25.2	25.3	25.9	26.8	
	6H	24.0	24.5	24.8	25.3	26.2	24.9	25.5	25.7	26.2	27.2	
	8H	24.0	24.5	24.8	25.3	26.2	25.0	25.5	25.8	26.3	27.2	
	12H	24.0	24.4	24.8	25.2	26.2	25.0	25.5	25.8	26.3	27.2	
8H	4H	23.9	24.4	24.7	25.1	26.1	24.6	25.1	25.4	25.9	26.8	
	6H	24.2	24.6	25.0	25.4	26.4	25.1	25.5	25.9	26.3	27.3	
	8H	24.3	24.6	25.1	25.4	26.4	25.2	25.5	26.0	26.4	27.4	
	12H	24.3	24.6	25.1	25.4	26.4	25.2	25.5	26.1	26.4	27.4	
12H	4H	23.9	24.3	24.7	25.1	26.0	24.6	25.0	25.4	25.8	26.8	
	6H	24.2	24.5	25.0	25.4	26.4	25.1	25.4	25.9	26.2	27.2	
	8H	24.3	24.6	25.1	25.4	26.4	25.2	25.5	26.0	26.3	27.3	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.1 / -0.1					
S = 1.5H		+0.3 / -0.5					+0.2 / -0.4					
S = 2.0H		+0.6 / -1.0					+0.6 / -0.8					
Standard table		BK04					BK05					
Correction summand		5.5					6.9					
Corrected glare indices referring to 2584lm Total luminous flux												

The UGR values are calculated in acc. with CIE Publ. 117. Spacing-to-Height-Ratio = 0.25