

OliNo Energy BV

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## Emmelkamp BV MDT 24000 Led Panel 600x600 MDT 24000 / UGR-Table

Luminaire: Emmelkamp BV MDT 24000 Led Panel 600x600 MDT 24000

Lamps: 2 x LED strip

<b>Glare Evaluation According to UGR</b>											
$\rho$ Ceiling		70	70	50	50	30	70	70	50	50	30
$\rho$ Walls		50	30	50	30	30	50	30	50	30	30
$\rho$ 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	18.0	19.0	18.3	19.2	19.4	15.2	16.2	15.4	16.4	16.6
	3H	19.3	20.2	19.6	20.4	20.7	16.4	17.3	16.7	17.6	17.8
	4H	19.9	20.8	20.2	21.0	21.3	16.8	17.6	17.1	17.9	18.2
	6H	20.5	21.3	20.9	21.6	21.9	16.9	17.6	17.2	17.9	18.2
	8H	20.8	21.5	21.1	21.8	22.1	16.9	17.6	17.2	17.9	18.2
	12H	21.0	21.7	21.3	22.0	22.3	16.9	17.6	17.2	17.9	18.2
4H	2H	18.2	19.1	18.5	19.3	19.6	15.8	16.7	16.2	16.9	17.2
	3H	19.7	20.4	20.1	20.8	21.1	17.3	18.0	17.6	18.3	18.6
	4H	20.5	21.1	20.9	21.5	21.8	17.7	18.3	18.1	18.7	19.0
	6H	21.2	21.8	21.7	22.1	22.5	17.8	18.4	18.3	18.7	19.1
	8H	21.6	22.1	22.0	22.4	22.8	17.9	18.4	18.3	18.7	19.1
	12H	21.8	22.3	22.3	22.7	23.1	17.9	18.3	18.3	18.7	19.2
8H	4H	20.6	21.1	21.0	21.5	21.9	18.0	18.5	18.5	18.9	19.3
	6H	21.4	21.8	21.8	22.2	22.6	18.2	18.6	18.7	19.0	19.5
	8H	21.8	22.1	22.2	22.6	23.0	18.3	18.6	18.7	19.0	19.5
	12H	22.1	22.3	22.6	22.8	23.3	18.3	18.6	18.8	19.0	19.5
12H	4H	20.6	21.0	21.0	21.4	21.8	18.1	18.5	18.5	18.9	19.3
	6H	21.4	21.7	21.8	22.1	22.6	18.3	18.6	18.7	19.0	19.5
	8H	21.8	22.0	22.2	22.5	23.0	18.3	18.6	18.8	19.1	19.6
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.6 / -0.7					+0.8 / -1.0				
S = 1.5H		+1.7 / -1.2					+1.5 / -1.7				
S = 2.0H		+3.0 / -1.7					+2.7 / -2.3				
Standard table		BK03					BK02				
Correction Summand		0.4					-2.8				
Corrected Glare Indices referring to 3406lm Total Luminous Flux											

The UGR values have been calculated according to CIE Publ. 117 Spacing-to-Height-Ratio = 1.00.