

## X-RANGE

EN 12464-1:2011  
5.4.2 Dispatch packing handling areas  
300lx - UGR $\leq$ 25  
U<sub>o</sub>  $\geq$ 0,6 - Ra $\geq$ 60 4000 K  $\leq$  TCP $\leq$  5000 K

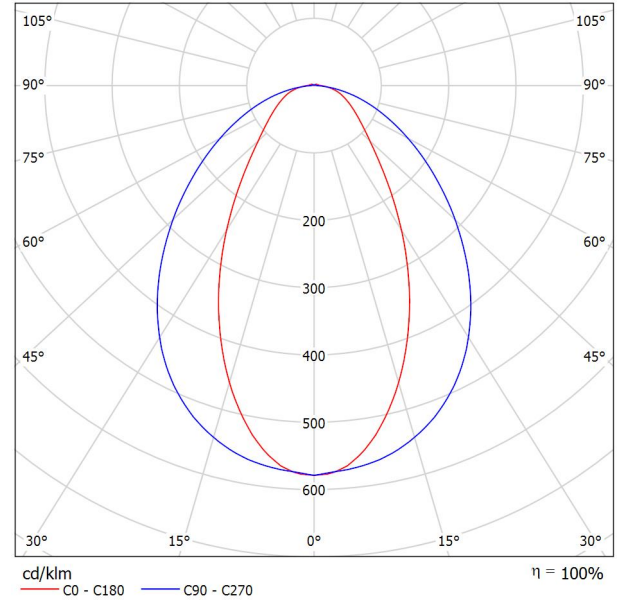
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**TRILUX Nextrema G3 TB 8000-840 ETDD / Luminaire Data Sheet**



**Luminous emittance 1:**



Luminaire classification according to CIE: 98  
 CIE flux code: 60 85 96 98 100

LED weather-proof luminaire. For ceiling, wall and suspended mounting. Optical system consisting of primary optics with PMMA diffuser. With symmetric narrow-wide light distribution. Luminaire luminous flux 8000 lm, connected load 57 W, luminous efficiency of luminaire 140 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index Ra > 80. service life L85(tq 35 °C) = 50,000 h, service life L80(tq 35 °C) = 85,000 h. Luminaire body of die-cast aluminium. Robust concept with vibration-resistant components. Permissible ambient temperature (ta) -30 °C - +35 °C. Safety class I, protection rating IP66, impact resistance IK04/0,5 J, heat resistance 650 °C. With WIELAND connection plug at face end. Suitable connection socket included in scope of supply. With electronic transformer, digitally dimmable (DALI).

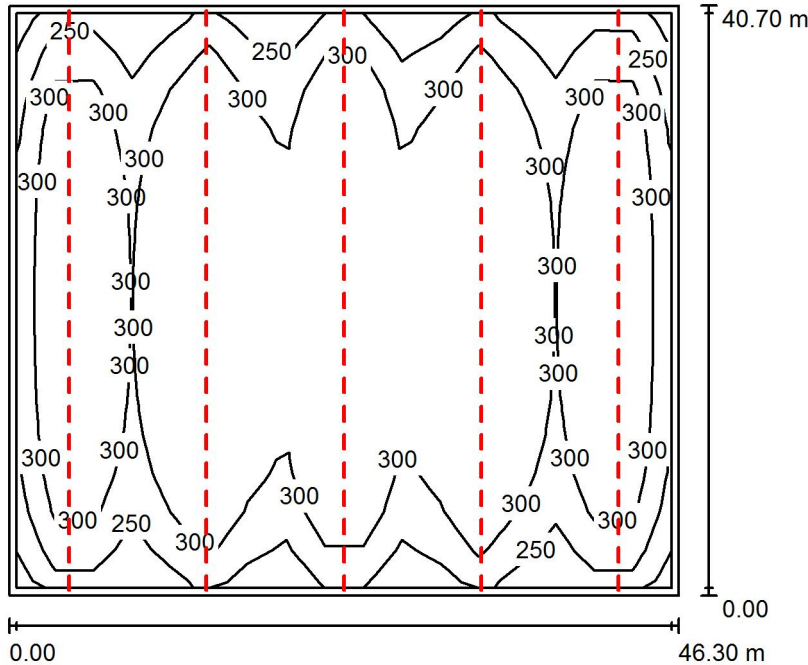
**Luminous emittance 1:**

Glare Evaluation According to UGR											
	70	70	50	50	30	70	70	50	50	30	
ρ Ceiling	70	70	50	50	30	70	70	50	50	30	
ρ Walls	50	30	50	30	30	50	30	50	30	30	
ρ 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	17.9	19.0	18.2	19.3	19.6	23.3	24.5	23.6	24.7	25.0
	3H	18.9	20.0	19.3	20.2	20.5	24.7	25.7	25.0	26.0	26.3
	4H	19.4	20.4	19.8	20.7	21.0	25.2	26.2	25.6	26.5	26.8
	6H	19.9	20.8	20.3	21.1	21.4	25.6	26.5	26.0	26.8	27.2
	8H	20.0	20.9	20.4	21.2	21.6	25.7	26.6	26.1	27.0	27.3
	12H	20.2	21.0	20.6	21.3	21.7	25.8	26.6	26.2	27.0	27.4
4H	2H	18.8	19.8	19.2	20.1	20.4	23.3	24.3	23.7	24.6	24.9
	3H	19.9	20.8	20.3	21.1	21.5	24.8	25.6	25.2	26.0	26.4
	4H	20.5	21.3	21.0	21.7	22.1	25.5	26.2	25.9	26.6	27.0
	6H	21.1	21.7	21.5	22.1	22.6	26.0	26.7	26.5	27.1	27.5
	8H	21.3	21.9	21.8	22.3	22.8	26.2	26.8	26.7	27.2	27.7
	12H	21.5	22.0	22.0	22.4	22.9	26.4	26.9	26.8	27.3	27.8
8H	4H	20.9	21.5	21.4	22.0	22.4	25.5	26.1	25.9	26.5	26.9
	6H	21.6	22.1	22.1	22.6	23.1	26.1	26.6	26.6	27.0	27.5
	8H	21.9	22.3	22.4	22.8	23.3	26.4	26.8	26.9	27.3	27.8
	12H	22.2	22.5	22.7	23.0	23.6	26.6	26.9	27.1	27.4	28.0
12H	4H	21.0	21.5	21.5	22.0	22.4	25.5	26.0	25.9	26.4	26.9
	6H	21.7	22.2	22.3	22.6	23.2	26.1	26.5	26.6	27.0	27.5
	8H	22.1	22.4	22.6	23.0	23.5	26.4	26.7	26.9	27.2	27.8
Variation of the observer position for the luminaire distances S											
S = 1.0H	+0.3 / -0.4					+0.1 / -0.1					
S = 1.5H	+0.5 / -0.7					+0.6 / -0.6					
S = 2.0H	+0.7 / -1.1					+1.4 / -1.2					
Standard table	BK05					BK05					
Correction Summand	4.4					9.4					
Corrected Glare Indices referring to 8000lm Total Luminous Flux											

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**Store rooms, cold stores 8m - 300lx / Summary**



Height of Room: 8.000 m, Mounting Height: 8.000 m, Maintenance factor: 0.80

Values in Lux, Scale 1:523

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	315	210	424	0.667
Floor	20	308	141	422	0.457
Ceiling	50	64	44	383	0.676
Walls (4)	30	147	65	1544	/

**Workplane:**

Height: 0.100 m  
 Grid: 17 x 15 Points  
 Boundary Zone: 0.500 m

**Luminaire Parts List**

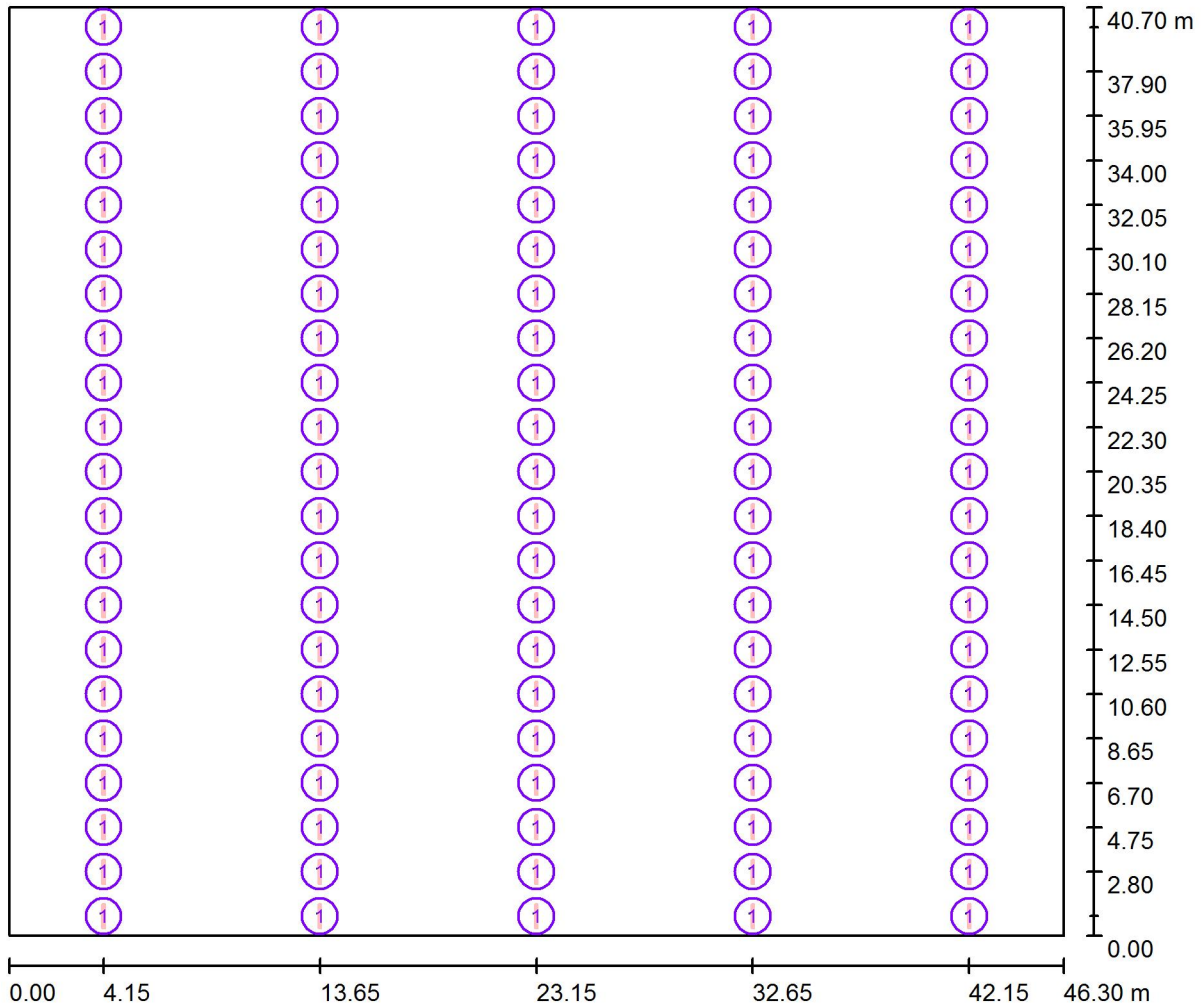
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	105	TRILUX Nextrema G3 TB 8000-840 ETDD (1.000)	7999	8000	57.0
Total:			839931	840000	5985.0

Specific connected load:  $3.18 \text{ W/m}^2 = 1.01 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $1884.41 \text{ m}^2$ )

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**Store rooms, cold stores 8m - 300lx / Luminaires (layout plan)**



Scale 1 : 332

**Luminaire Parts List**

No.	Pieces	Designation
1	105	TRILUX Nextrema G3 TB 8000-840 ETDD