

## **1PP CHODBA**

Partner for Contact:  
Order No.:  
Company:  
Customer No.:

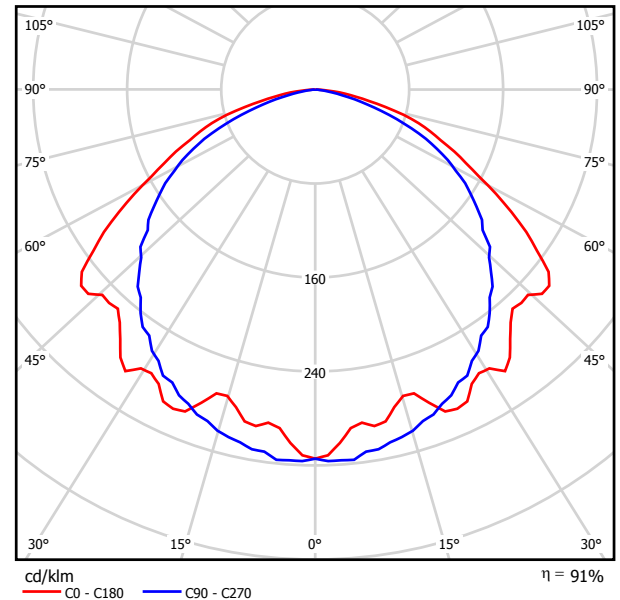
Date: 24.02.2016  
Operator:

Operator  
Telephone  
Fax  
e-Mail

## OMS s.r.o. UX-TORNADO PC2 REF 1x28W FDH / Luminaire Data Sheet

### Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



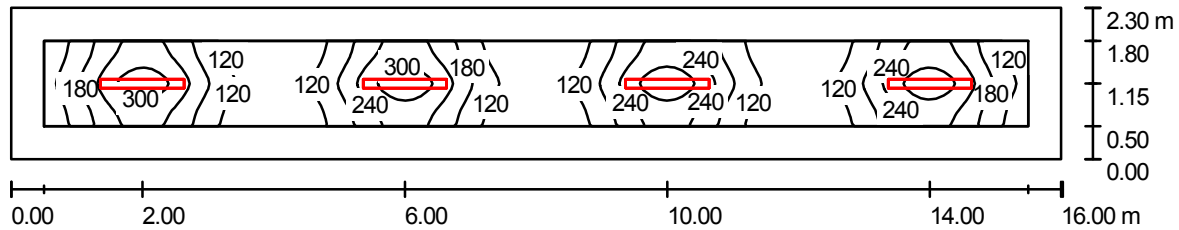
Luminaire classification according to CIE: 100  
CIE flux code: 45 78 96 100 92

### Luminous emittance 1:

Glare Evaluation According to UGR											
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	19.8	21.2	20.1	21.4	21.6	15.0	16.4	15.3	16.6	16.8
	3H	21.2	22.5	21.6	22.7	23.0	16.0	17.2	16.3	17.5	17.7
	4H	21.8	23.0	22.1	23.2	23.5	16.3	17.4	16.6	17.7	18.0
	6H	22.1	23.2	22.5	23.5	23.8	16.5	17.6	16.8	17.9	18.2
	8H	22.2	23.2	22.5	23.5	23.8	16.5	17.6	16.9	17.9	18.2
	12H	22.2	23.2	22.6	23.5	23.8	16.5	17.5	16.9	17.8	18.2
4H	2H	20.3	21.5	20.7	21.8	22.1	17.2	18.3	17.5	18.6	18.9
	3H	22.0	22.9	22.3	23.3	23.6	18.8	19.8	19.2	20.2	20.5
	4H	22.7	23.5	23.1	23.9	24.2	19.4	20.3	19.8	20.7	21.0
	6H	23.1	23.8	23.5	24.2	24.6	19.8	20.6	20.2	20.9	21.3
	8H	23.2	23.9	23.6	24.3	24.7	19.9	20.6	20.3	21.0	21.4
	12H	23.2	23.9	23.7	24.3	24.7	19.9	20.5	20.3	20.9	21.3
8H	4H	22.9	23.6	23.3	24.0	24.4	20.1	20.8	20.5	21.2	21.6
	6H	23.4	24.0	23.9	24.4	24.9	20.7	21.3	21.2	21.7	22.2
	8H	23.6	24.1	24.1	24.5	25.0	21.0	21.5	21.4	21.9	22.4
	12H	23.7	24.1	24.2	24.6	25.1	21.0	21.5	21.5	21.9	22.4
	4H	22.9	23.5	23.3	23.9	24.4	20.2	20.8	20.6	21.2	21.7
	6H	23.5	24.0	23.9	24.4	24.9	20.9	21.4	21.4	21.8	22.3
12H	8H	23.7	24.1	24.2	24.6	25.1	21.2	21.6	21.7	22.1	22.6
	12H	23.7	24.1	24.2	24.6	25.1	21.2	21.6	21.7	22.1	22.6
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.2					+0.2 / -0.3				
S = 1.5H		+0.5 / -0.4					+0.6 / -0.8				
S = 2.0H		+0.8 / -0.8					+0.7 / -1.0				
Standard table		BK05					BK05				
Correction		2.5					-0.3				
Summand											
Corrected Glare Indices referring to 2600lm Total Luminous Flux											

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## Room 1 / Summary



Height of Room: 2.200 m, Mounting Height: 2.200 m, Maintenance factor: 0.80

Values in Lux, Scale 1:115

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	179	68	343	0.381
Floor	20	116	53	181	0.459
Ceiling	60	27	19	33	0.706
Walls (4)	40	78	18	199	/

### Workplane:

Height: 0.750 m  
Grid: 128 x 16 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.452, Ceiling / Working Plane: 0.151.

### Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	$\Phi$ [lm]	P [W]
1	4	OMS s.r.o. UX-TORNADO PC2 REF 1x28W FDH (1.000)	2600	29.0
Total:			10400	116.0

Specific connected load:  $3.15 \text{ W/m}^2 = 1.76 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $36.80 \text{ m}^2$ )