

**1NP 120**

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

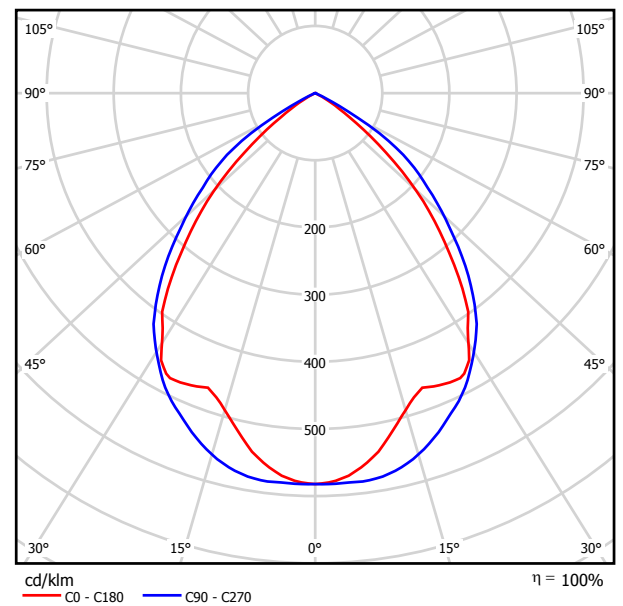
Date: 26.02.2016  
Operator:

Operator  
Telephone  
Fax  
e-Mail

## OMS s.r.o. AD-LAMBDA LED L PAR-L 60W 5500lm 4000K 80Ra / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



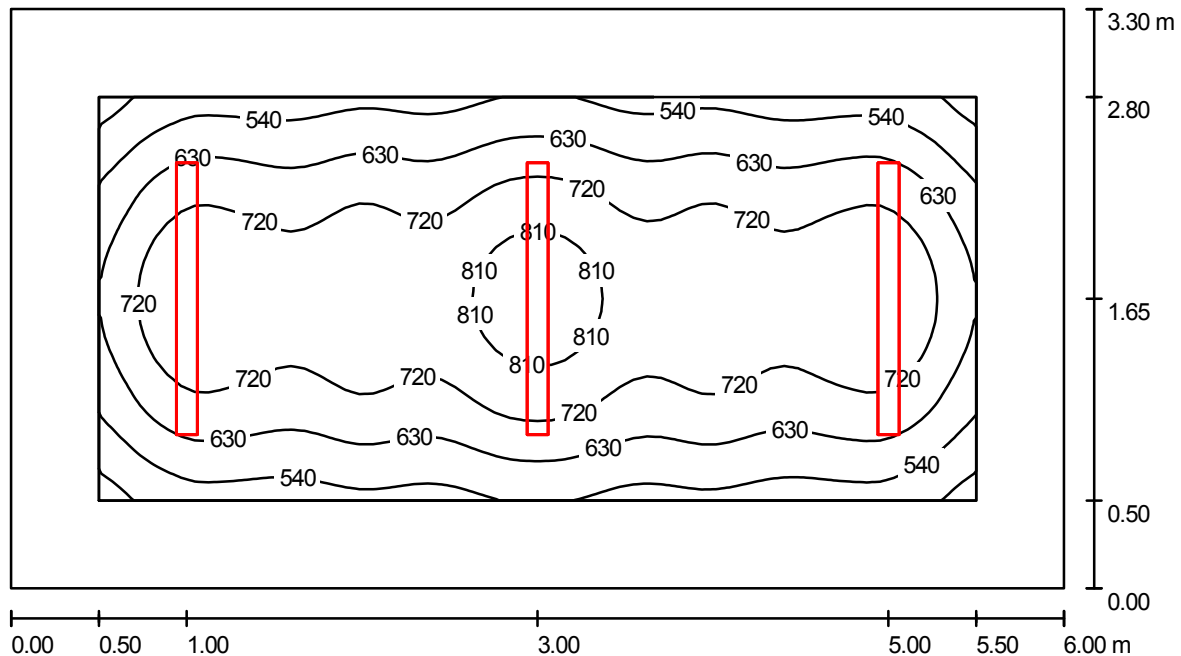
Luminaire classification according to CIE: 100  
CIE flux code: 71 99 100 100 100

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	12.5	13.5	12.8	13.7	13.9	19.6	20.6	19.9	20.8	21.0	
	3H	12.4	13.2	12.7	13.5	13.7	19.5	20.3	19.8	20.6	20.8	
	4H	12.3	13.1	12.6	13.4	13.6	19.4	20.2	19.7	20.5	20.7	
	6H	12.2	13.0	12.6	13.3	13.5	19.3	20.1	19.7	20.4	20.6	
	8H	12.2	12.9	12.5	13.2	13.5	19.3	20.0	19.6	20.3	20.6	
	12H	12.2	12.8	12.5	13.1	13.5	19.3	19.9	19.6	20.2	20.6	
4H	2H	12.4	13.2	12.8	13.5	13.8	19.4	20.2	19.7	20.5	20.8	
	3H	12.3	13.0	12.7	13.3	13.6	19.3	19.9	19.6	20.3	20.6	
	4H	12.2	12.8	12.6	13.1	13.5	19.2	19.8	19.6	20.1	20.5	
	6H	12.2	12.6	12.6	13.0	13.4	19.1	19.6	19.5	20.0	20.4	
	8H	12.1	12.6	12.5	12.9	13.4	19.1	19.5	19.5	19.9	20.3	
	12H	12.1	12.5	12.5	12.9	13.3	19.1	19.5	19.5	19.9	20.3	
8H	4H	12.1	12.6	12.5	12.9	13.4	19.1	19.5	19.5	19.9	20.3	
	6H	12.0	12.4	12.5	12.8	13.3	19.0	19.4	19.5	19.8	20.2	
	8H	12.0	12.3	12.5	12.7	13.2	19.0	19.3	19.4	19.7	20.2	
	12H	11.9	12.2	12.4	12.7	13.2	18.9	19.2	19.4	19.7	20.2	
	4H	12.1	12.5	12.5	12.9	13.3	19.1	19.5	19.5	19.9	20.3	
	6H	12.0	12.3	12.5	12.7	13.2	19.0	19.3	19.4	19.7	20.2	
12H	8H	11.9	12.2	12.4	12.7	13.2	18.9	19.2	19.4	19.7	20.2	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+1.5 / -4.3					+0.8 / -1.2					
S = 1.5H		+2.8 / -13.8					+1.9 / -7.8					
S = 2.0H		+4.4 / -37.5					+3.6 / -20.9					
Standard table		BK00					BK00					
Correction		-5.5					-3.6					
Summand												
Corrected Glare Indices referring to 5525lm Total Luminous Flux												

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## Room 1 / Summary



Height of Room: 3.700 m, Mounting Height: 2.700 m, Maintenance factor: 0.80

Values in Lux, Scale 1:43

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	676	415	862	0.614
Floor	20	474	266	649	0.563
Ceiling	70	67	51	78	0.770
Walls (4)	50	155	47	389	/

### Workplane:

Height: 0.750 m  
Grid: 64 x 32 Points  
Boundary Zone: 0.500 m

### UGR

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

### Lengthways-

12  
12

### Across

19  
19

### to luminaire axis

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.199, Ceiling / Working Plane: 0.099.

Proportion of points with less than 400 lx (for IEQ-7): 0.00%.

### Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	$\Phi$ [lm]	P [W]
1	3	OMS s.r.o. AD-LAMBDA LED L PAR-L 60W 5500lm 4000K 80Ra (1.000)	5525	60.0
Total:			16575	180.0

Specific connected load:  $9.09 \text{ W/m}^2 = 1.35 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $19.80 \text{ m}^2$ )