

MOR_osvětlení exteriéry

Výpočet umělého osvětlení / P5

Obsah

Titulní strana	1
Obsah	2
Obrazy	3
Seznam svítidel	6

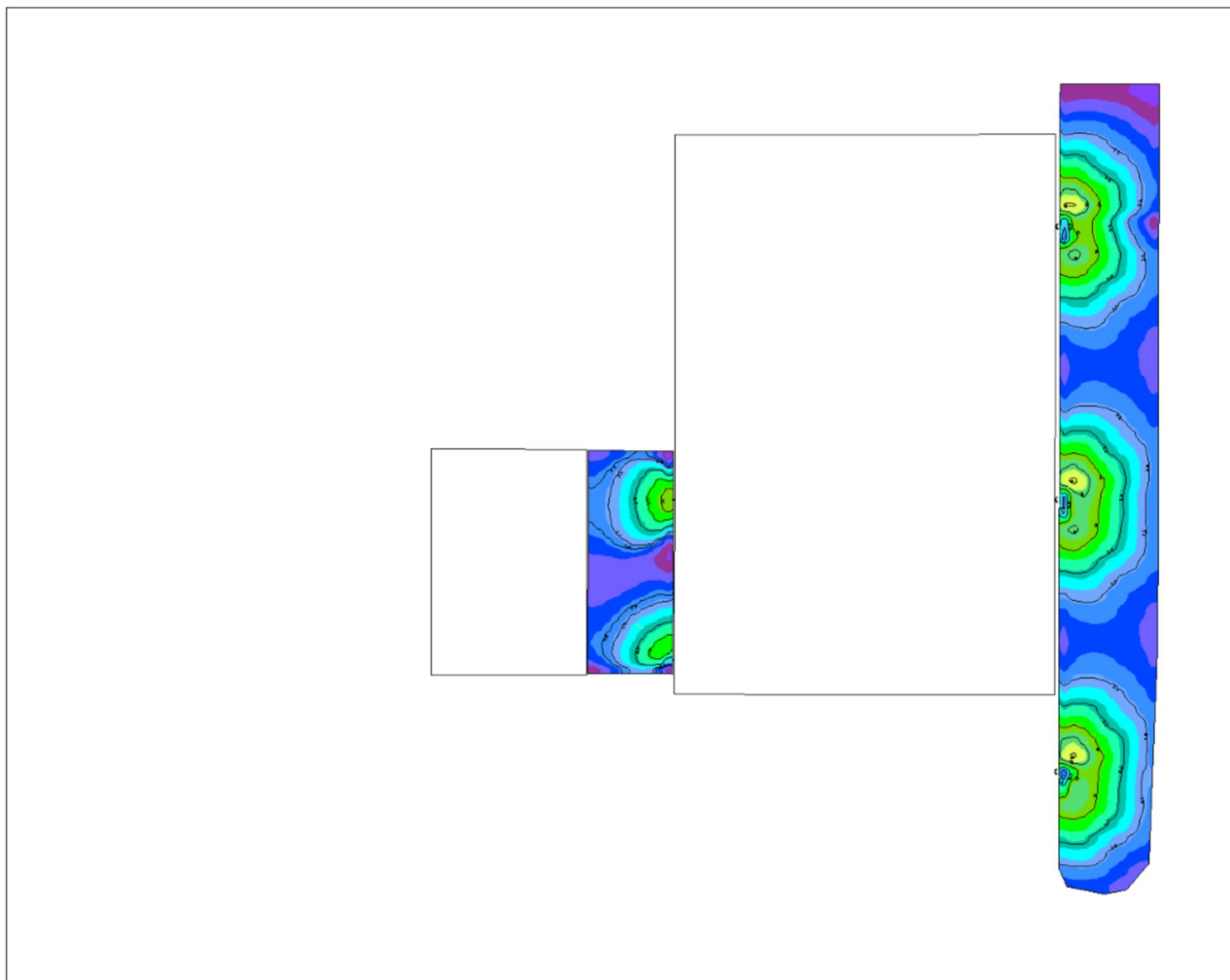
Listy s údaji výrobků

iGuzzini illuminazione S.p.A - Palco iNOut - ø83mm - EH97.01 - Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic - 10.9W 681.6lm - 3000K - White (1x LED)	7
iGuzzini illuminazione S.p.A - Palco iNOut - ø119mm - Q734.01 - Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic - 16.1W 1755.6lm - 3000K - White (1x LED)	9

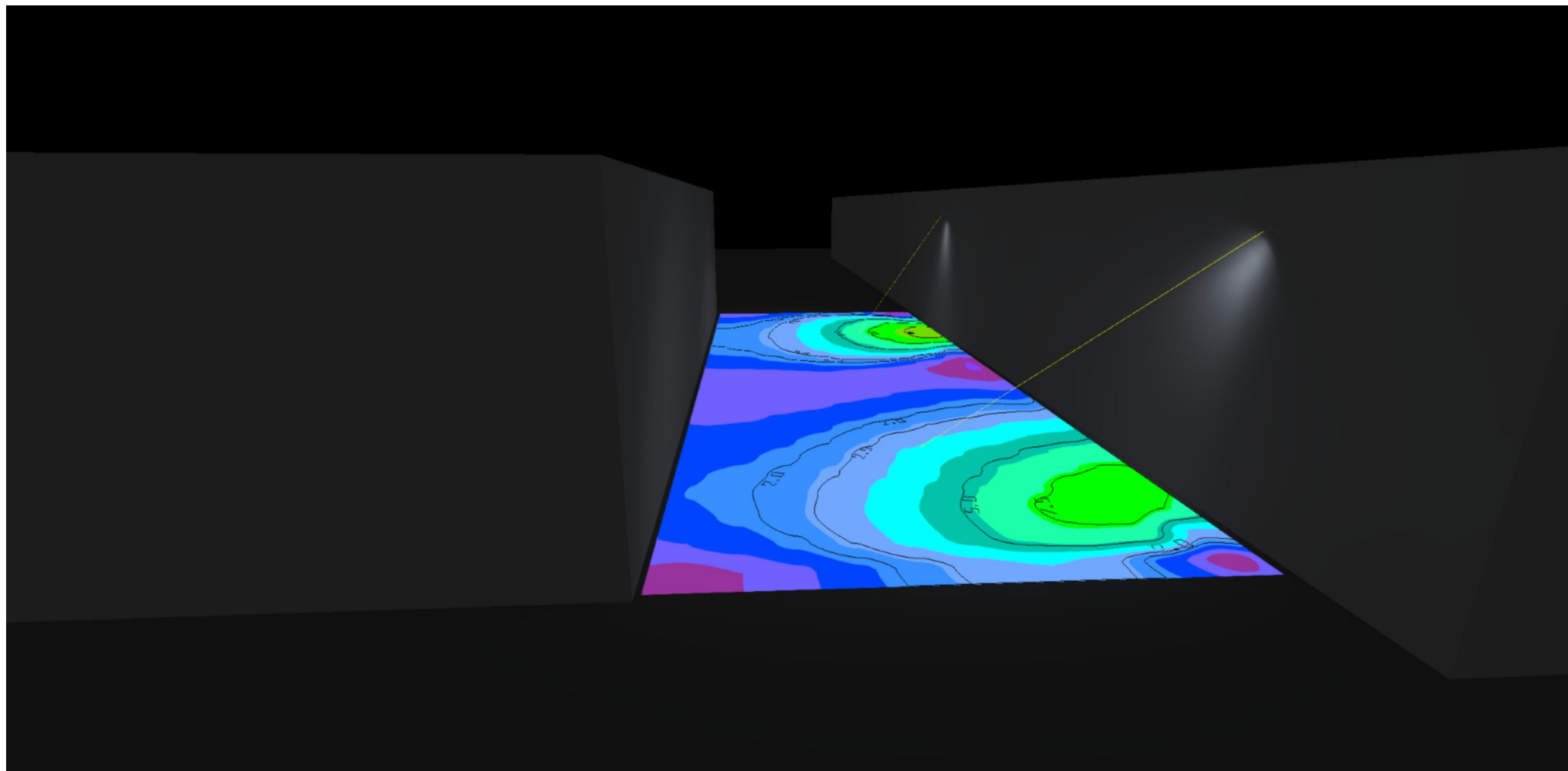
Plocha 1

Plán rozmístění svítidel	11
Výpočtové objekty / Světelná scéna 1	14
P5 3-4,5, min 06 (1) / Světelná scéna 1 / Svislá intenzita osvětlení	16
P5 3-4,5, min 06 (2) / Světelná scéna 1 / Svislá intenzita osvětlení	17

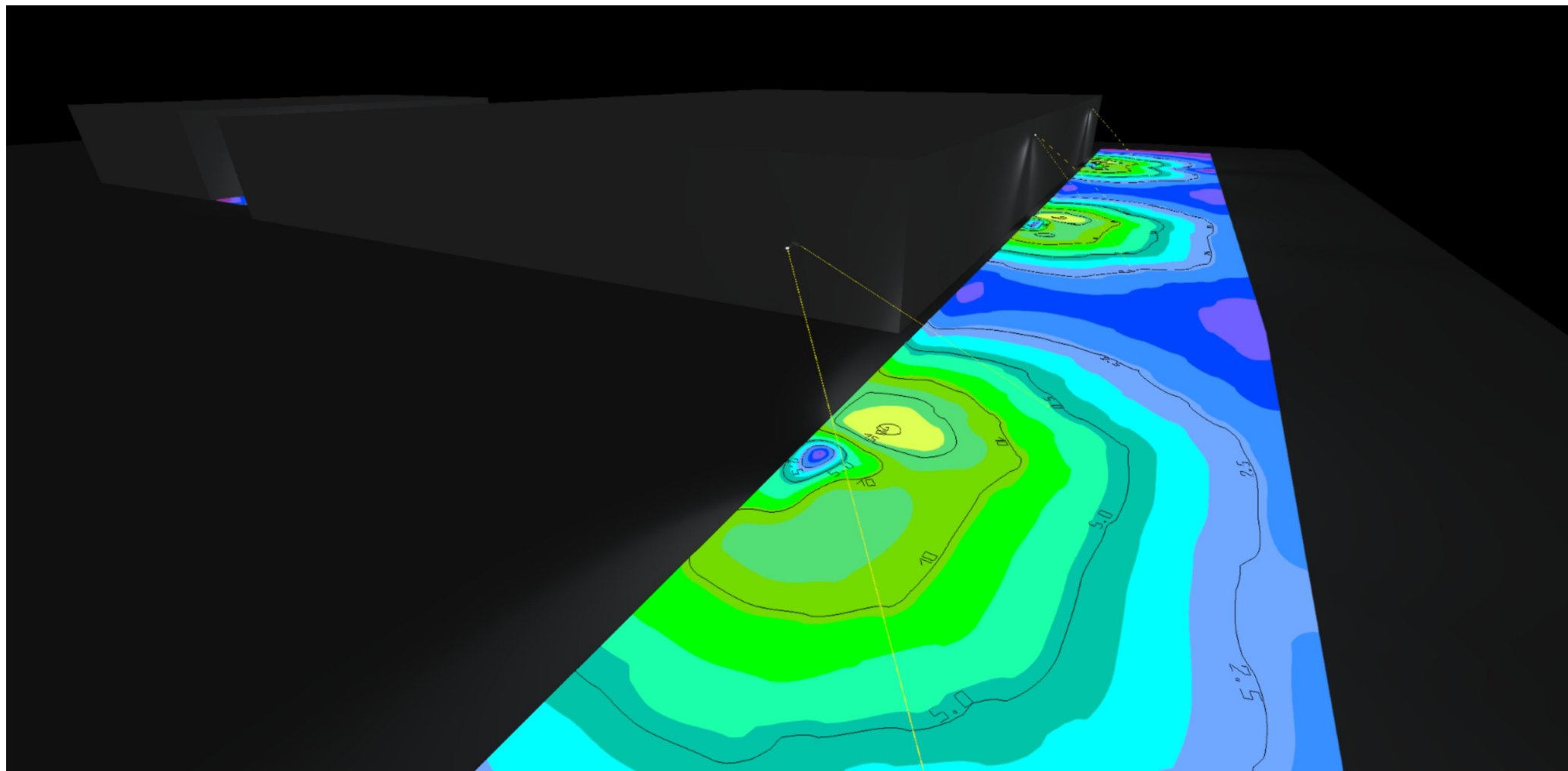
Obrazy



Obrazy



Obrazy



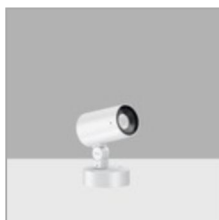
Seznam svítidel

$\Phi_{\text{celkový}}$ 11894 lm	$P_{\text{celkový}}$ 118.4 W	Světelný výtěžek 100.5 lm/W
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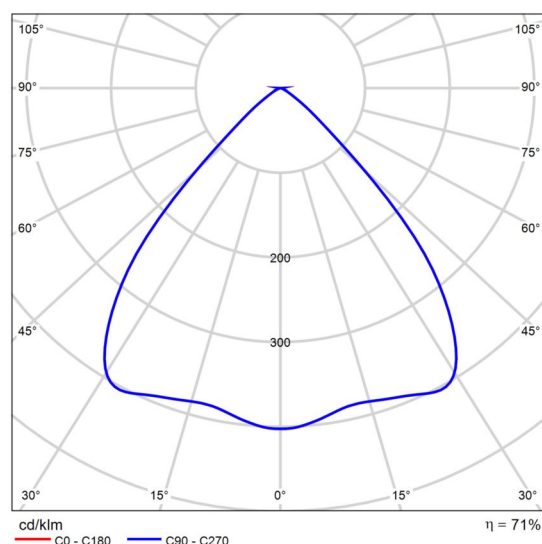
ks	Výrobce	C. výrobku	Název výrobku	P	Φ	Světelný výtěžek
2	iGuzzini illuminazione S.p.A	EH97	Palco iNOut - ø83mm - EH97.01 - Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic - 10.9W 681.6lm - 3000K - White	10.9 W	682 lm	62.5 lm/W
6	iGuzzini illuminazione S.p.A	Q734	Palco iNOut - ø119mm - Q734.01 - Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic - 16.1W 1755.6lm - 3000K - White	16.1 W	1755 lm	109.0 lm/W

Datový list výrobku

iGuzzini illuminazione S.p.A - Palco iNOut - ø83mm - EH97.01 - Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic - 10.9W 681.6lm - 3000K - White



C. výrobku	EH97
P	10.9 W
ΦŽárovka	960 lm
ΦSvítidlo	682 lm
η	70.99 %
Světelný výtěžek	62.5 lm/W
CCT	3109 K
CRI	80



Polární LDC

EH97 :

Spotlight designed to use LED lamps and a Very Wide Flood optic. The optical assembly and base is made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. 5 mm thick tempered sodium-calcium closing glass. Double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. Complete with a monochrome LED circuit and an Opti Beam Reflector optic system. The product includes a PG13.5 cable gland. Electronic On/Off ballast integrated in product. Option of using optic accessories assembled via an accessory holder frame. All external screws used are made of A2 stainless steel.

Hodnocení oslnění podle RUG												
p. Strop	70	70	50	50	30	70	70	50	50	30	70	70
p. Stěny	50	30	50	30	30	50	30	50	30	30	50	30
p. Podlaha	20	20	20	20	20	20	20	20	20	20	20	20
Velikost místnosti X Y	Směr pohledu napříč k ose lampy					Podélný směr pohledu k ose lampy						
2H	2H	24.1	25.0	24.3	25.2	25.4	24.1	25.0	24.3	25.2	25.4	25.4
	3H	23.9	24.8	24.2	25.0	25.3	23.9	24.8	24.2	25.0	25.3	25.3
	4H	23.9	24.7	24.2	24.9	25.2	23.9	24.7	24.2	24.9	25.2	25.2
	6H	23.8	24.5	24.1	24.8	25.1	23.8	24.5	24.1	24.8	25.1	25.1
	8H	23.7	24.5	24.1	24.8	25.1	23.7	24.5	24.1	24.8	25.1	25.1
4H	12H	23.7	24.4	24.1	24.7	25.0	23.7	24.4	24.1	24.7	25.0	25.0
	2H	23.9	24.7	24.2	24.9	25.2	23.9	24.7	24.2	24.9	25.2	25.2
	3H	23.8	24.4	24.1	24.7	25.1	23.8	24.4	24.1	24.7	25.1	25.1
	4H	23.7	24.3	24.1	24.6	25.0	23.7	24.3	24.1	24.6	25.0	25.0
	6H	23.6	24.1	24.0	24.5	24.9	23.6	24.1	24.0	24.5	24.9	24.9
8H	8H	23.6	24.0	24.0	24.4	24.8	23.6	24.0	24.0	24.4	24.8	24.8
	12H	23.5	24.0	24.0	24.4	24.8	23.5	24.0	24.0	24.4	24.8	24.8
	4H	23.6	24.0	24.0	24.4	24.8	23.6	24.0	24.0	24.4	24.8	24.8
	6H	23.5	23.9	23.9	24.3	24.7	23.5	23.9	23.9	24.3	24.7	24.7
	8H	23.4	23.8	23.9	24.2	24.7	23.4	23.8	23.9	24.2	24.7	24.7
12H	12H	23.4	23.7	23.9	24.1	24.6	23.4	23.7	23.9	24.1	24.6	24.6
	4H	23.5	24.0	24.0	24.4	24.8	23.5	24.0	24.0	24.4	24.8	24.8
	6H	23.4	23.8	23.9	24.2	24.7	23.4	23.8	23.9	24.2	24.7	24.7
	8H	23.4	23.7	23.9	24.1	24.6	23.4	23.7	23.9	24.1	24.6	24.6
Variace polohy pozorovatele pro vzdálenosti svítidel S												
S = 1.0H	+2.6 / -7.2					+2.6 / -7.2						
S = 1.5H	+4.5 / -11.4					+4.5 / -11.4						
S = 2.0H	+6.5 / -13.9					+6.5 / -13.9						
Standardní tabulka	BK00					BK00						
Korekturní sčítanec	4.3					4.3						
Korigované oslňovací indice, vztaženy na 960lm Celkový světelný tok												

Schéma RUG (SHR: 0.25)

EH97.01 - Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic - 10.9W 681.6lm -

Datový list výrobku

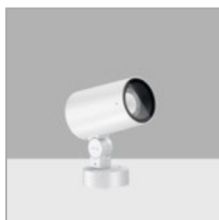
iGuzzini illuminazione S.p.A - Palco iNOut - ø83mm - EH97.01 - Spotlight with base - Warm White Led
- integrated electronic control gear - Very Wide Flood optic - 10.9W 681.6lm - 3000K - White

3000K - White

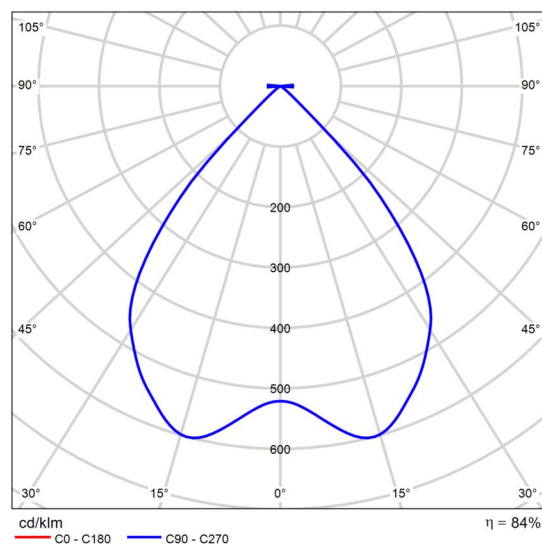
B87B - Lamp LED Warm White CRI>80

Datový list výrobku

iGuzzini illuminazione S.p.A - Palco iNOut - Ø119mm - Q734.01 - Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic - 16.1W 1755.6lm - 3000K - White



C. výrobku	Q734
P	16.1 W
ΦŽárovka	2090 lm
ΦSvítidlo	1755 lm
η	83.99 %
Světelný výťažek	109.0 lm/W
CCT	3049 K
CRI	80



Polární LDC

Q734 :

Spotlight designed to use LED lamps and a Very Wide Flood optic. The optical assembly and base is made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. 5 mm thick tempered sodium-calcium closing glass. Double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. Complete with a monochrome LED circuit and an Opti Beam Reflector optic system. The product includes a PG13.5 cable gland. Electronic DALI ballast integrated in product. Option of using optic accessories assembled via an accessory holder frame. All external screws used are made of A2 stainless steel.

Q734.01 - Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic - 16.1W 1755.6lm -

Hodnocení oslnění podle RUG												
p. Strop		70	70	50	50	30	70	70	50	50	30	
p. Stěny		50	30	50	30	30	50	30	50	30	30	
p. Podlaha		20	20	20	20	20	20	20	20	20	20	
Velikost místnosti X Y		Směr pohledu napříč k ose lampy					Podélný směr pohledu k ose lampy					
2H	2H	23.2	24.0	23.4	24.2	24.4	23.2	24.0	23.4	24.2	24.4	
	3H	23.0	23.8	23.3	24.0	24.3	23.0	23.8	23.3	24.0	24.3	
	4H	23.0	23.7	23.3	23.9	24.2	23.0	23.7	23.3	23.9	24.2	
	6H	22.9	23.6	23.2	23.8	24.1	22.9	23.6	23.2	23.8	24.1	
	8H	22.8	23.5	23.2	23.8	24.1	22.8	23.5	23.2	23.8	24.1	
4H	12H	22.8	23.4	23.2	23.7	24.0	22.8	23.4	23.2	23.7	24.0	
	2H	23.0	23.7	23.3	23.9	24.2	23.0	23.7	23.3	23.9	24.2	
	3H	22.8	23.4	23.2	23.7	24.0	22.8	23.4	23.2	23.7	24.0	
	4H	22.7	23.3	23.1	23.6	24.0	22.7	23.3	23.1	23.6	24.0	
	6H	22.6	23.1	23.1	23.5	23.9	22.6	23.1	23.1	23.5	23.9	
8H	12H	22.6	23.0	23.0	23.4	23.8	22.6	23.0	23.0	23.4	23.8	
	2H	22.6	23.0	23.0	23.4	23.8	22.6	23.0	23.0	23.4	23.8	
	4H	22.6	23.0	23.0	23.4	23.8	22.6	23.0	23.0	23.4	23.8	
	6H	22.5	22.9	23.0	23.3	23.7	22.5	22.9	23.0	23.3	23.7	
	8H	22.5	22.8	22.9	23.2	23.7	22.5	22.8	22.9	23.2	23.7	
12H	12H	22.4	22.7	22.9	23.2	23.7	22.4	22.7	22.9	23.2	23.7	
	4H	22.6	23.0	23.0	23.4	23.8	22.6	23.0	23.0	23.4	23.8	
	6H	22.5	22.8	22.9	23.2	23.7	22.5	22.8	22.9	23.2	23.7	
	8H	22.4	22.7	22.9	23.2	23.7	22.4	22.7	22.9	23.2	23.7	
Variace polohy pozorovatele pro vzdálenosti svítidel S												
S = 1.0H		+3.4 / -18.2					+3.4 / -18.2					
S = 1.5H		+5.6 / -28.3					+5.6 / -28.3					
S = 2.0H		+7.6 / -29.5					+7.6 / -29.5					
Standardní tabulka		BK00					BK00					
Korekturní sčítanec		3.9					3.9					
Korigované oslňovací indice, vztaženy na 2090lm Celkový světelný tok												

Schéma RUG (SHR: 0.25)

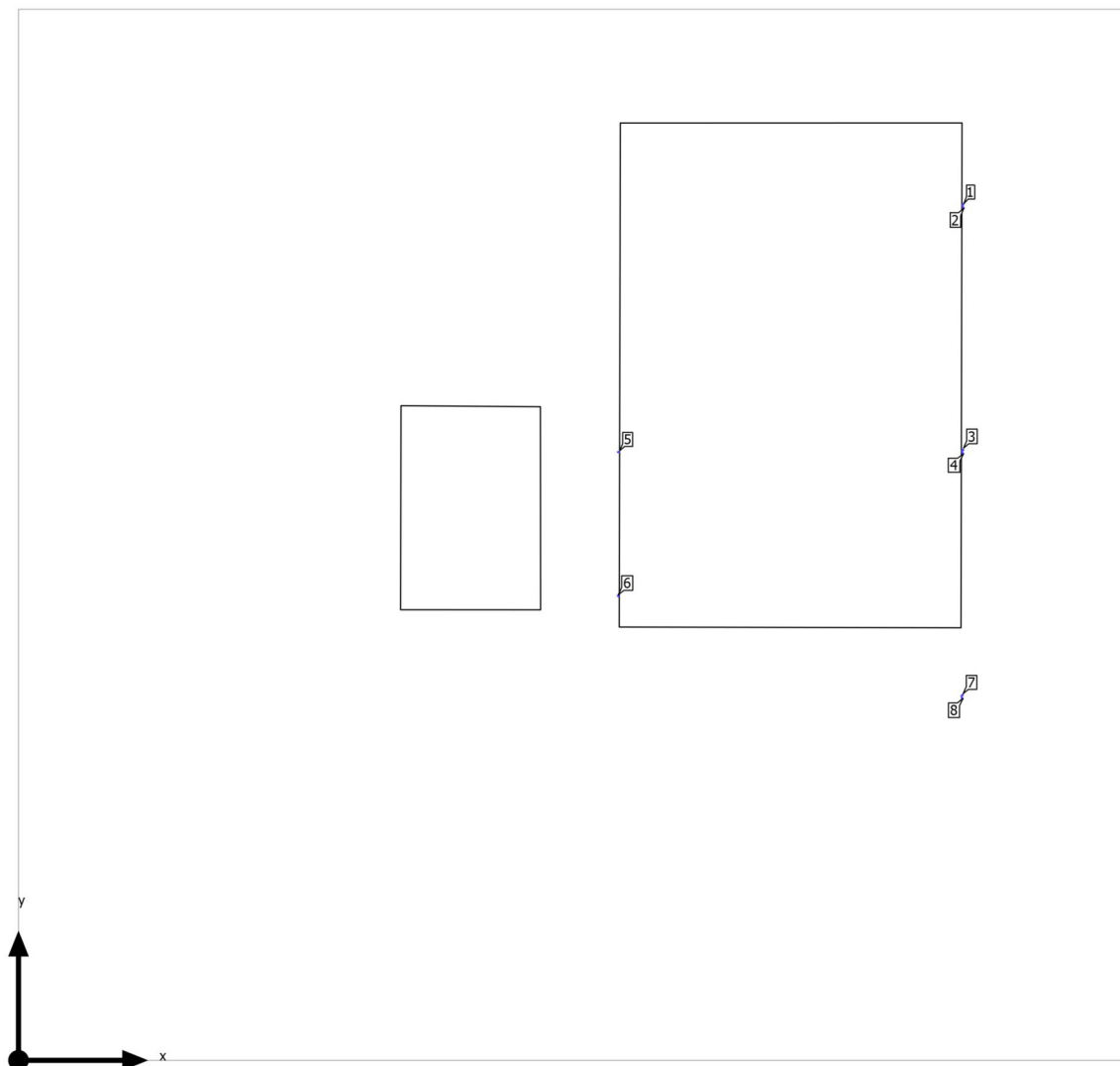
Datový list výrobku

iGuzzini illuminazione S.p.A - Palco iNOut - ø119mm - Q734.01 - Spotlight with base - Warm White
Led - integrated electronic control gear - Very Wide Flood optic - 16.1W 1755.6lm - 3000K - White

3000K - White

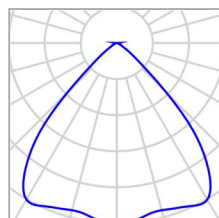
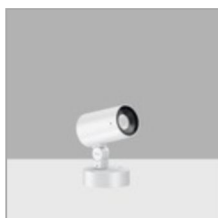
B05C - Lamp LED Warm White CRI>80

Plocha 1

Plán rozmístění svítidel

Plocha 1

Plán rozmístění svítidel



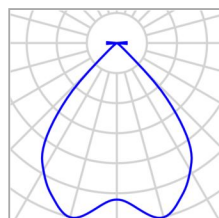
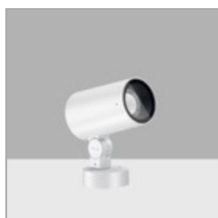
Výrobce	iGuzzini illuminazione S.p.A	P	10.9 W
C. výrobku	EH97	Φ _{Svítidlo}	682 lm
Název výrobku	Palco iNOut - ø83mm - EH97.01 - Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic - 10.9W 681.6lm - 3000K - White		
Osazení	1x LED		

Jednotlivá svítidla

X	Y	Montážní výška	Svítidlo
75.988 m	76.914 m	5.000 m	5
75.923 m	58.645 m	5.000 m	6

Plocha 1

Plán rozmístění svítidel



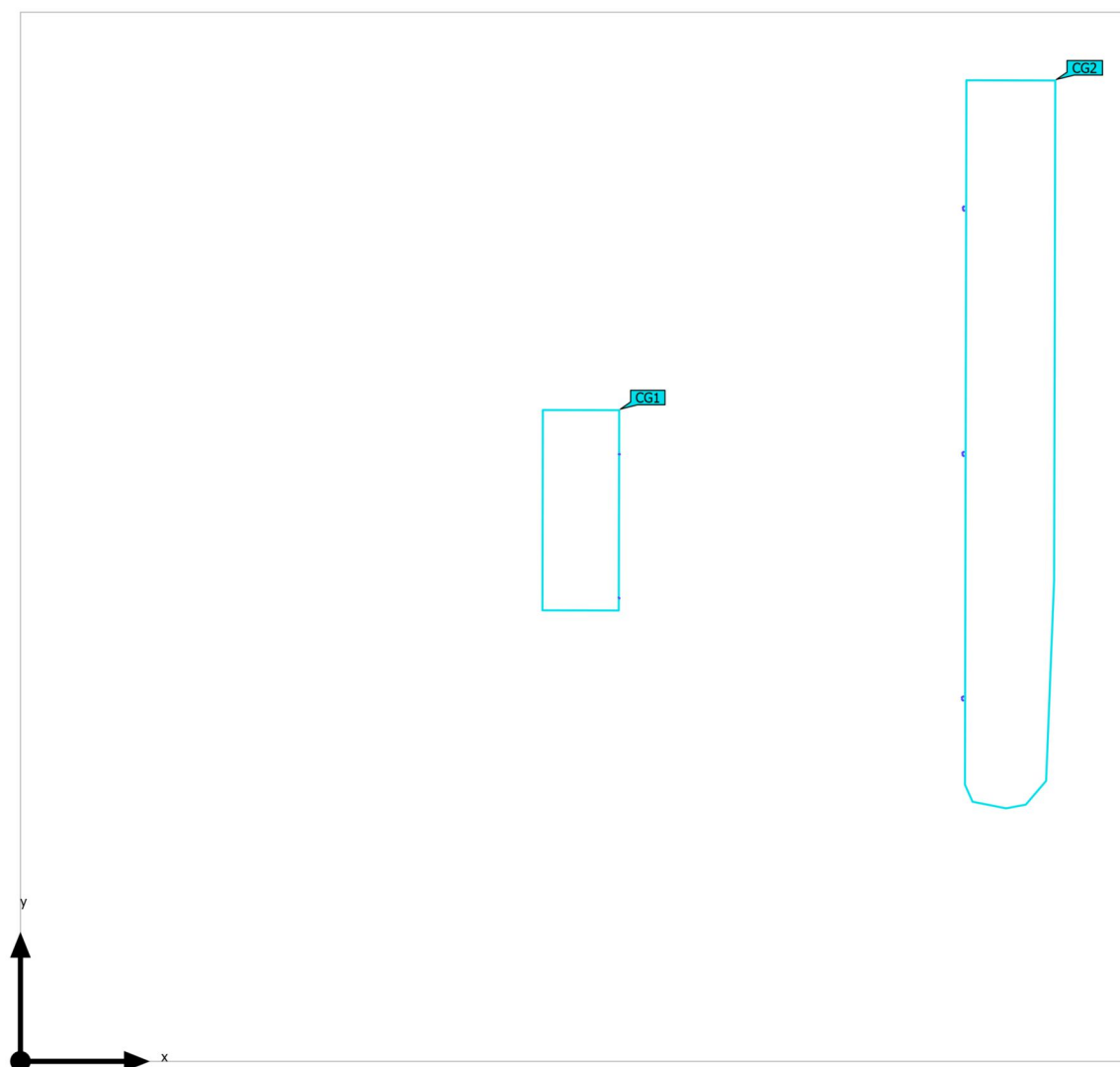
Výrobce	iGuzzini illuminazione S.p.A	P	16.1 W
C. výrobku	Q734	ΦSvítidlo	1755 lm
Název výrobku	Palco iNOut - ø119mm - Q734.01 - Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic - 16.1W 1755.6lm - 3000K - White		
Osazení	1x LED		

Jednotlivá svítidla

X	Y	Montážní výška	Svítidlo
119.412 m	108.125 m	5.000 m	1
119.439 m	107.929 m	5.000 m	2
119.348 m	77.055 m	5.000 m	3
119.375 m	76.859 m	5.000 m	4
119.284 m	46.067 m	5.000 m	7
119.311 m	45.871 m	5.000 m	8

Plocha 1 (Světelná scéna 1)

Výpočtové objekty



Plocha 1 (Světelná scéna 1)

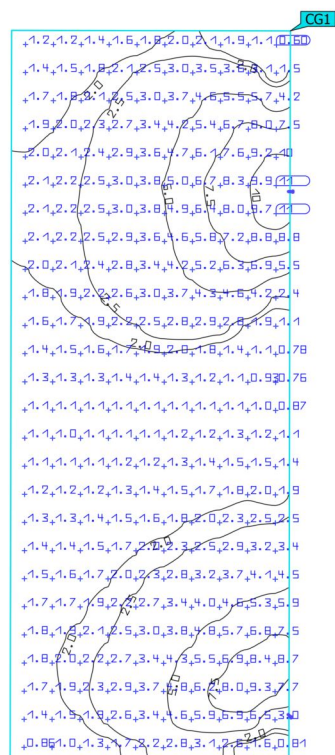
Výpočtové objekty

Výpočtové plochy

Vlastnosti	\bar{E}	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
P5 3-4,5, min 06 (1) Svislá intenzita osvětlení Výška: 0.000 m	3.03 lx	0.60 lx	11.4 lx	0.20	0.053	CG1
P5 3-4,5, min 06 (2) Svislá intenzita osvětlení Výška: 0.000 m	4.48 lx	0.63 lx	20.6 lx	0.14	0.031	CG2

Užitný profil: Přednastavení DIALux (5.1.4 Standard (oblast dopravy ve volném prostoru))

Plocha 1 (Světelná scéna 1)

P5 3-4,5, min 06 (1)

Vlastnosti	Ě	E _{min}	E _{max}	U _o (g ₁)	g ₂	Index
P5 3-4,5, min 06 (1) Svislá intenzita osvětlení Výška: 0.000 m	3.03 lx	0.60 lx	11.4 lx	0.20	0.053	CG1

Užitný profil: Přednastavení DIALux (5.1.4 Standard (oblast dopravy ve volném prostoru))

Plocha 1 (Světelná scéna 1)

P5 3-4,5, min 06 (2)



Vlastnosti	Ě	E _{min}	E _{max}	U _o (g ₁)	g ₂	Index
P5 3-4,5, min 06 (2) Svislá intenzita osvětlení Výška: 0.000 m	4.48 lx	0.63 lx	20.6 lx	0.14	0.031	CG2

Užitný profil: Přednastavení DIALux (5.1.4 Standard (oblast dopravy ve volném prostoru))