Tecnica Pro

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Last information update: May 2024

Product configuration: P665
P665: spotlight - neutral white - wide flood optic

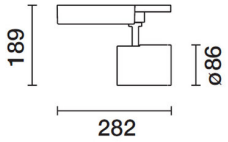
Product code
P665: spotlight - neutral white - wide flood optic **Attention! Code no longer in production**

Technical description
Adjustable spotlight with adapter for installation on mains voltage track for LED source with CoB technology, Neutral White (4000K) emission. Electronic control gear housed inside the track-mounted power supply box. The luminaire is made of die-cast aluminium and thermoplastic. OPTI BEAM superpure aluminium reflector with high luminous efficacy and uniform distribution, wide flood optic. Features 90° inclination on the horizontal plane and 360° rotation around the vertical axis, with mechanical locking device for aiming. Passive cooling system. Possibility of installing a refractor, to be ordered separately, for elliptical light beam distribution.

Installation
The luminaire can be installed on a standard electrified track or on an appropriate channel incorporating an electrified track.

Colour
White (01) | Black (04)

Weight (Kg)
1.12



Mounting
three circuit track|ceiling surface

Wiring
product inclusive of electronic components incorporated into the track-mounted box.

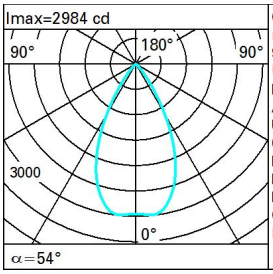
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

Technical data

lm system:	2278	CRI:	80
W system:	23.9	Colour temperature [K]:	4000
lm source:	3000	MacAdam Step:	2
W source:	20	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	95.3	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	76	Number of optical assemblies:	1
Beam angle [°]:	54°		

Polar



CIE
nL 0.76
97-100-100-100-76
UGR 20.2-20.2
DIN
A.61
UTE
0.76A+0.00T
F"1=974
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°

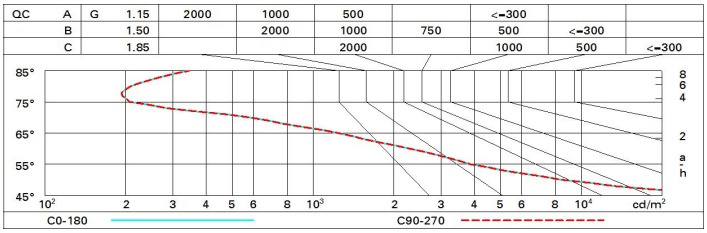
Lux

h	d	Em	Emax
2	2	582	738
4	4.1	146	184
6	6.1	65	82
8	8.2	36	46

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	64	61	59	63	61	61	58	77
1.0	71	68	65	63	67	65	64	62	81
1.5	75	72	70	69	71	70	69	66	88
2.0	77	75	74	73	74	73	72	70	92
2.5	79	77	76	75	76	75	74	72	95
3.0	80	79	78	77	77	77	76	74	97
4.0	80	80	79	79	78	78	77	75	99
5.0	81	80	80	80	79	79	78	76	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3000 lm bare lamp luminous flux)

Riflect.:											
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	20.8	21.5	21.1	21.7	21.9	20.8	21.5	21.1	21.7	21.9
	3H	20.7	21.3	21.0	21.5	21.8	20.7	21.3	21.0	21.5	21.8
	4H	20.6	21.1	21.0	21.4	21.7	20.6	21.1	21.0	21.4	21.7
	6H	20.5	21.0	20.9	21.3	21.7	20.5	21.0	20.9	21.3	21.7
	8H	20.5	21.0	20.9	21.3	21.6	20.5	21.0	20.9	21.3	21.6
	12H	20.5	20.9	20.8	21.2	21.6	20.5	20.9	20.8	21.2	21.6
4H	2H	20.6	21.1	21.0	21.4	21.7	20.6	21.1	21.0	21.4	21.7
	3H	20.5	20.9	20.8	21.2	21.6	20.5	20.9	20.8	21.2	21.6
	4H	20.4	20.8	20.8	21.1	21.5	20.4	20.8	20.8	21.1	21.5
	6H	20.3	20.6	20.7	21.0	21.4	20.3	20.6	20.7	21.0	21.4
	8H	20.2	20.6	20.7	21.0	21.4	20.2	20.6	20.7	21.0	21.4
	12H	20.2	20.5	20.7	20.9	21.4	20.2	20.5	20.7	20.9	21.4
8H	4H	20.2	20.6	20.7	21.0	21.4	20.2	20.6	20.7	21.0	21.4
	6H	20.2	20.4	20.6	20.9	21.3	20.2	20.4	20.6	20.9	21.3
	8H	20.1	20.3	20.6	20.8	21.3	20.1	20.3	20.6	20.8	21.3
	12H	20.0	20.2	20.5	20.7	21.2	20.0	20.2	20.5	20.7	21.2
12H	4H	20.2	20.5	20.7	20.9	21.4	20.2	20.5	20.7	20.9	21.4
	6H	20.1	20.3	20.6	20.8	21.3	20.1	20.3	20.6	20.8	21.3
	8H	20.0	20.2	20.5	20.7	21.2	20.0	20.2	20.5	20.7	21.2

Variations with the observer position at spacing:

S =	1.0H	5.3 / -17.5	5.3 / -17.5
	1.5H	8.1 / -21.6	8.1 / -21.6
	2.0H	10.1 / -25.1	10.1 / -25.1