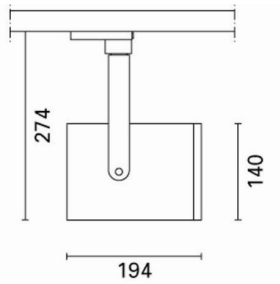
Front Light

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: P089
P089: Large body spotlight - Neutral White LED - electronic ballast - Flood Optic



Product code
P089: Large body spotlight - Neutral White LED - electronic ballast - Flood Optic **Attention! Code no longer in production**

Technical description
Adjustable spotlight with adapter for installation on a mains voltage track. Luminaire made of die-cast aluminium. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks both for rotation about the vertical axis and tilting relative to the horizontal plane. Equipped with ballast. Luminaire complete with neutral white colour 4,000K LED unit

Installation
On an electrified track

Colour
White (01) | Black (04) | Grey / Black (74)

Weight (Kg)
2

Mounting
three circuit track

Wiring
Electronic components housed in the luminaire

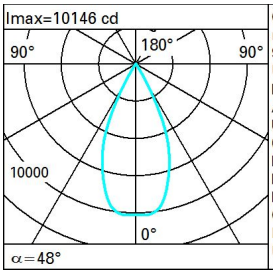
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

Technical data

lm system:	5445	CRI (minimum):	80
W system:	50.3	Colour temperature [K]:	4000
lm source:	6900	MacAdam Step:	2
W source:	46	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	108.2	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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	48°		

Polar



CIE
nL 0.79
99-100-100-100-79
UGR 11.0-10.9
DIN
A.61
UTE
0.79A+0.00T
F"1=986
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 I L<3000 cd/mq @65°

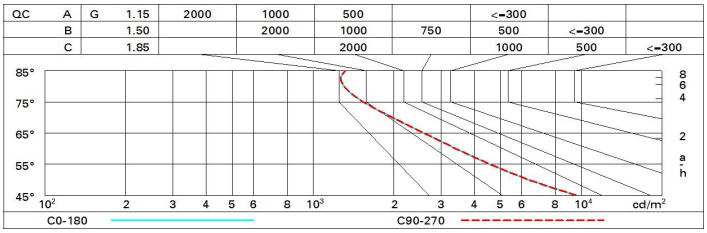
Lux

h	d	Em	Emax
2	1.8	1975	2533
4	3.6	494	633
6	5.3	219	281
8	7.1	123	158

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	64	62	66	64	64	61	77
1.0	74	71	68	66	70	68	67	65	82
1.5	78	75	73	72	74	73	72	69	88
2.0	80	78	77	76	77	76	75	73	92
2.5	82	80	79	78	79	78	77	75	95
3.0	83	82	81	80	81	80	79	77	97
4.0	84	83	83	82	82	81	80	78	99
5.0	84	84	83	83	82	82	81	79	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 6900 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	11.2	11.8	11.5	12.0	12.3	11.2	11.8	11.5	12.0	12.3
	3H	11.2	11.7	11.5	12.0	12.3	11.1	11.7	11.4	11.9	12.2
	4H	11.1	11.6	11.5	11.9	12.2	11.1	11.6	11.4	11.9	12.2
	6H	11.1	11.5	11.4	11.9	12.2	11.0	11.5	11.4	11.8	12.1
	8H	11.1	11.5	11.4	11.8	12.2	11.0	11.4	11.3	11.7	12.1
	12H	11.0	11.5	11.4	11.8	12.1	10.9	11.4	11.3	11.7	12.1
4H	2H	11.1	11.6	11.4	11.9	12.2	11.1	11.6	11.5	11.9	12.2
	3H	11.1	11.5	11.4	11.8	12.2	11.1	11.5	11.5	11.8	12.2
	4H	11.0	11.4	11.4	11.8	12.2	11.0	11.4	11.4	11.8	12.2
	6H	11.0	11.3	11.4	11.7	12.1	11.0	11.3	11.4	11.7	12.1
	8H	11.0	11.3	11.4	11.7	12.1	10.9	11.2	11.4	11.6	12.1
	12H	10.9	11.2	11.4	11.6	12.1	10.9	11.2	11.3	11.6	12.0
8H	4H	10.9	11.2	11.4	11.6	12.1	11.0	11.3	11.4	11.7	12.1
	6H	10.9	11.1	11.4	11.6	12.1	10.9	11.2	11.4	11.6	12.1
	8H	10.9	11.1	11.4	11.6	12.1	10.9	11.1	11.4	11.6	12.1
	12H	10.9	11.0	11.4	11.5	12.0	10.8	11.0	11.3	11.5	12.0
12H	4H	10.9	11.2	11.3	11.6	12.0	10.9	11.2	11.4	11.6	12.1
	6H	10.8	11.1	11.3	11.5	12.0	10.9	11.1	11.4	11.6	12.1
	8H	10.8	11.0	11.3	11.5	12.0	10.9	11.0	11.4	11.5	12.0

Variations with the observer position at spacing:

S =	1.0H	5.2 / -5.0	5.2 / -5.0
	1.5H	7.9 / -6.2	7.9 / -6.2
	2.0H	9.8 / -7.0	9.8 / -7.0