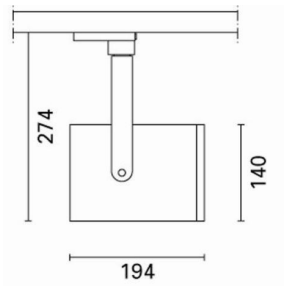
Front Light

Design iGuzzini **iGuzzini**

Last information update: May 2018



Large body spotlight - Neutral White LED - electronic ballast - Flood Optic

Product code
P089

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

Dimension (mm)
Ø140x274

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

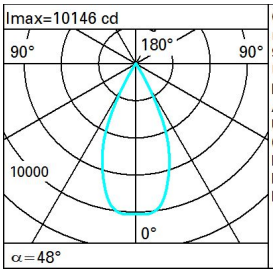
pending

Product configuration: P089

Product characteristics
Total lighting output [Lm]: 5445
Total power [W]: 50.3
Luminous efficacy [Lm/W]: 108.2
Life Time: > 50,000h - L80 - B10 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 79
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 46
Nominal luminous [Lm]: 6900
Lamp maximum intensity [cd]: /
Beam angle [°]: 48°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4.3
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

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

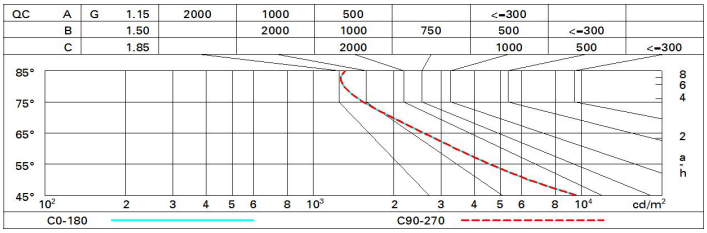
Lux

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