Front Light

Last information update: May 2018

Warm White - Flood Optic

Product code
N292

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 electronic ballast. Luminaire complete with LED unit, C.O.B. technology, and flood optic with warm white colour 3000K CRI 90.

Installation
On an electrified track

Dimension (mm)
Ø92x127

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

Weight (Kg)
0.95

Mounting
three circuit track

Wiring
product complete with electronic components

Complies with EN60598-1 and pertinent regulations

IP20   IP40   for optical assembly

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Product configuration: N292

Product characteristics

Total lighting output [Lm]: 1357	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 15.4	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 88.1	Voltage [V]: -
Life Time: > 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 80	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 1.4
Nominal power [W]: 14	Colour temperature [K]: 3000
Nominal luminous [Lm]: 1700	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 32°	MacAdam Step: 2

Polar

Imax=4181 cd		Lux			
90° 180° 90°		h	d	Em	Emax
		2	1.1	826	1045
4000		4	2.3	206	261
		6	3.4	92	116
0°		8	4.6	52	65
α=32°					

Isolux

Lux
h=5 m.
α=0°

LED
/
15.4 W

115   34   4   0.4   0.1   0.0   0.0   0.0   0.0

-1   0   1   2   3   4   5   6   7   8   9   m
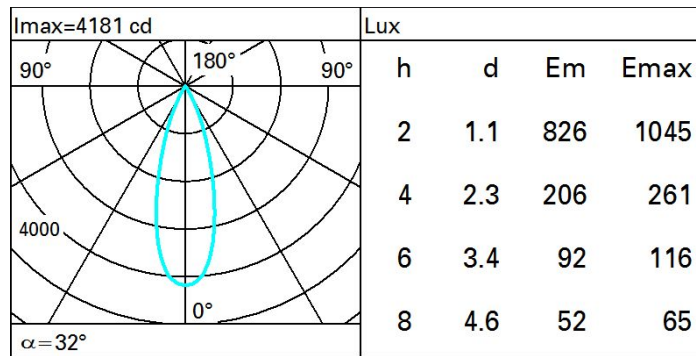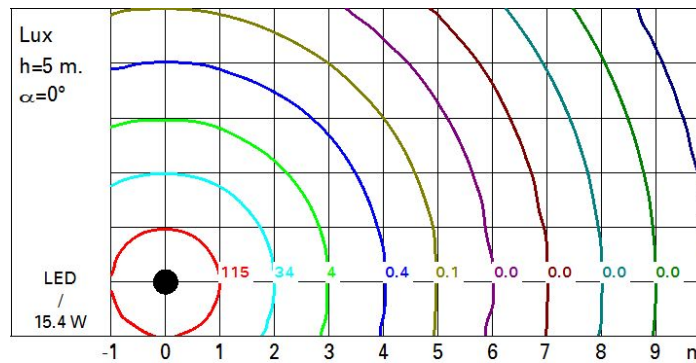
UGR diagram

Corrected UGR values (at 1700 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					viewed		
x	y			crosswise					endwise		
2H	2H	6.8	7.3	7.1	7.6	7.8	6.8	7.3	7.1	7.6	7.8
	3H	6.8	7.3	7.1	7.5	7.8	6.7	7.2	7.0	7.5	7.7
	4H	6.7	7.2	7.1	7.5	7.8	6.6	7.1	7.0	7.4	7.7
	6H	6.7	7.1	7.0	7.4	7.8	6.6	7.0	6.9	7.3	7.6
	8H	6.7	7.1	7.0	7.4	7.7	6.5	7.0	6.9	7.3	7.6
	12H	6.6	7.0	7.0	7.4	7.7	6.5	6.9	6.9	7.2	7.6
4H	2H	6.6	7.1	7.0	7.4	7.7	6.7	7.2	7.1	7.5	7.8
	3H	6.7	7.0	7.0	7.4	7.7	6.7	7.1	7.1	7.4	7.8
	4H	6.6	7.0	7.0	7.3	7.7	6.6	7.0	7.0	7.3	7.7
	6H	6.6	6.9	7.0	7.3	7.7	6.6	6.9	7.0	7.3	7.7
	8H	6.6	6.9	7.0	7.3	7.7	6.5	6.8	7.0	7.2	7.7
	12H	6.5	6.8	7.0	7.2	7.7	6.5	6.8	7.0	7.2	7.6
8H	4H	6.5	6.8	7.0	7.2	7.7	6.6	6.9	7.0	7.3	7.7
	6H	6.5	6.8	7.0	7.2	7.7	6.5	6.8	7.0	7.2	7.7
	8H	6.5	6.7	7.0	7.2	7.7	6.5	6.7	7.0	7.2	7.7
	12H	6.4	6.6	6.9	7.1	7.6	6.5	6.6	7.0	7.1	7.6
12H	4H	6.5	6.8	7.0	7.2	7.6	6.5	6.8	7.0	7.2	7.7
	6H	6.5	6.7	7.0	7.1	7.6	6.5	6.7	7.0	7.1	7.6
	8H	6.5	6.6	7.0	7.1	7.6	6.4	6.6	6.9	7.1	7.6

Variations with the observer position at spacing:

S =	1.0H	5.7 / -5.7	5.7 / -5.7
	1.5H	8.4 / -6.5	8.4 / -6.5
	2.0H	10.4 / -6.9	10.4 / -6.9