Front Light

Last information update: May 2018

Neutral White - Flood Optic

Product code
N286

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 neutral white colour.

Installation
On an electrified track

Dimension (mm)
Ø92x127

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

Weight (Kg)
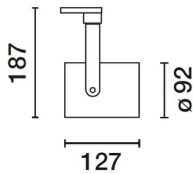0.95

Mounting
three circuit track

Wiring
product complete with electronic components

Complies with EN60598-1 and pertinent regulations

IP20   IP40   for optical assembly

Product configuration: N286

Product characteristics

Total lighting output [Lm]: 1716	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]: 111.5	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]: 4000
Nominal luminous [Lm]: 2150	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 32°	MacAdam Step: 2

Polar

Imax=5287 cd α=32°

h	d	Em	Emax
2	1.1	1044	1322
4	2.3	261	330
6	3.4	116	147
8	4.6	65	83

Isolux

Lux
h=5 m.
α=0°

LED / 15.4 W

146 43 6 0.5 0.1 0.1 0.0 0.0 0.0
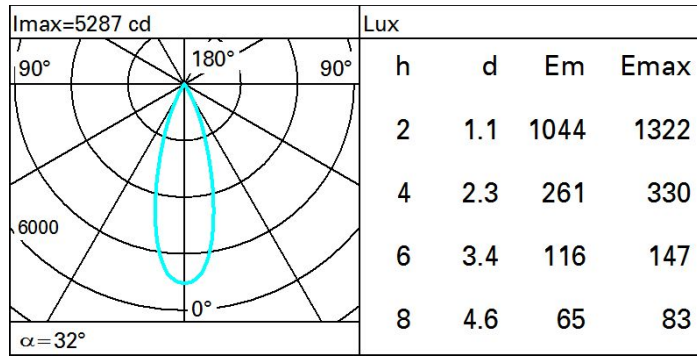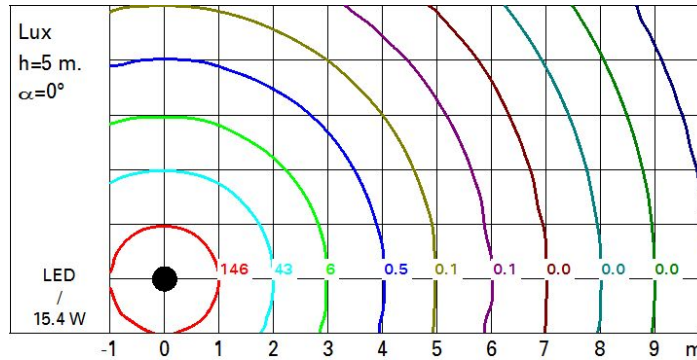
UGR diagram

Corrected UGR values (at 2150 lm bare lamp luminous flux)

Riflect.: ceil/cav	walls	work pl.	0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20	0.50 0.30 0.20	0.30 0.30 0.20	0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20	0.50 0.30 0.20	0.30 0.30 0.20
Room dim x	y		viewed crosswise					viewed endwise				
2H	2H		7.6	8.1	7.9	8.4	8.6	7.6	8.1	7.9	8.4	8.6
	3H		7.6	8.1	7.9	8.3	8.6	7.5	8.0	7.8	8.3	8.5
	4H		7.6	8.0	7.9	8.3	8.6	7.5	7.9	7.8	8.2	8.5
	6H		7.5	7.9	7.9	8.2	8.6	7.4	7.8	7.7	8.1	8.5
	8H		7.5	7.9	7.8	8.2	8.6	7.4	7.8	7.7	8.1	8.4
	12H		7.5	7.8	7.8	8.2	8.5	7.3	7.7	7.7	8.0	8.4
4H	2H		7.5	7.9	7.8	8.2	8.5	7.6	8.0	7.9	8.3	8.6
	3H		7.5	7.9	7.8	8.2	8.5	7.5	7.9	7.9	8.2	8.6
	4H		7.5	7.8	7.9	8.2	8.5	7.5	7.8	7.9	8.2	8.5
	6H		7.4	7.7	7.8	8.1	8.5	7.4	7.7	7.8	8.1	8.5
	8H		7.4	7.7	7.8	8.1	8.5	7.4	7.6	7.8	8.1	8.5
	12H		7.3	7.6	7.8	8.0	8.5	7.3	7.6	7.8	8.0	8.5
8H	4H		7.4	7.6	7.8	8.1	8.5	7.4	7.7	7.8	8.1	8.5
	6H		7.3	7.6	7.8	8.0	8.5	7.3	7.6	7.8	8.0	8.5
	8H		7.3	7.5	7.8	8.0	8.5	7.3	7.5	7.8	8.0	8.5
	12H		7.3	7.4	7.8	7.9	8.4	7.3	7.4	7.8	7.9	8.4
12H	4H		7.3	7.6	7.8	8.0	8.5	7.3	7.6	7.8	8.0	8.5
	6H		7.3	7.5	7.8	8.0	8.5	7.3	7.5	7.8	8.0	8.5
	8H		7.3	7.4	7.8	7.9	8.4	7.3	7.4	7.8	7.9	8.4

Variations with the observer position at spacing:

S =		crosswise	endwise
	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