

Last information update: June 2023

Product configuration: N195

N195: medium body - warm white - wide flood optic

**Product code**N195: medium body - warm white - wide flood optic **Attention! Code no longer in production****Technical description**

Adjustable spotlight with adapter for installation on mains voltage track for high-performance LED source with CoB technology, with monochromatic Warm White (3000K) CRI90 emission. Product inclusive of OPTIBEAM interchangeable reflector with wide flood optic. Electronic control gear housed in the power supply box positioned vertically with respect to the optical compartment. Optical compartment made of die-cast aluminium, easily customisable thermoplastic power supply box. Features 360° rotation around the vertical axis and 90° inclination with respect to the horizontal axis. Passive cooling system. Possibility of installing a refractor, to be ordered separately, for elliptical light beam distribution.

Installation

Mounted on electrified track or on base

Colour

White (01) | Black (04)

Weight (Kg)

1.26

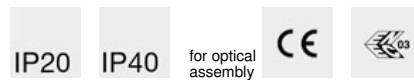
Mounting

three circuit track|ceiling surface

Wiring

Product inclusive of electronic components

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2077	CRI:	90
W system:	31.5	Colour temperature [K]:	3000
lm source:	2600	MacAdam Step:	3
W source:	29	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	65.9	Ballast losses [W]:	2.5
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	80	ZVEI Code:	LED
Beam angle [°]:	44°	Number of optical assemblies:	1

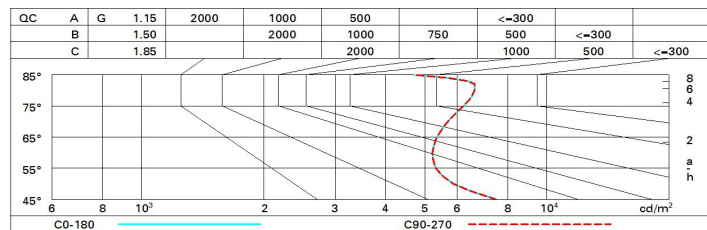
Polar

	CIE nL 0.80 96-98-100-100-80 UGR 15,0-14.2 DIN A.61 UTE 0.80A+0.00T F*1=963 F*1+F*2=985 F*1+F*2+F*3=996			
	Lux			
	h	d	Em	E _{max}
	2	1.6	804	1004
	4	3.2	201	251
	6	4.8	89	112
	8	6.5	50	63

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	64	62	66	64	63	61	76
1.0	74	71	68	66	70	67	67	64	80
1.5	78	75	73	71	74	72	72	69	87
2.0	81	79	77	76	78	76	75	73	91
2.5	82	81	80	78	80	78	78	75	94
3.0	83	82	81	80	81	80	79	77	96
4.0	84	84	83	82	82	82	80	78	98
5.0	85	84	84	84	83	83	81	79	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2000 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	11.0	12.2	11.9	12.5	12.7	11.0	12.2	11.9	12.5	12.7
	3H	12.0	13.1	12.9	13.4	13.7	11.8	12.4	12.1	12.6	12.9
	4H	13.2	13.7	13.5	14.0	14.3	11.9	12.4	12.2	12.7	13.0
	6H	13.8	14.3	14.1	14.6	14.9	11.9	12.4	12.3	12.7	13.1
	8H	14.0	14.5	14.4	14.8	15.2	11.9	12.4	12.3	12.7	13.1
	12H	14.2	14.6	14.5	14.9	15.3	11.9	12.4	12.3	12.7	13.1
4H	2H	11.9	12.4	12.2	12.7	13.0	13.2	13.7	13.5	14.0	14.3
	3H	13.1	13.6	13.5	13.9	14.3	13.7	14.1	14.0	14.4	14.8
	4H	13.9	14.3	14.3	14.7	15.1	13.9	14.3	14.3	14.7	15.1
	6H	14.7	15.1	15.2	15.5	15.9	14.2	14.5	14.6	14.9	15.3
	8H	15.0	15.4	15.5	15.8	16.2	14.2	14.6	14.7	15.0	15.4
	12H	15.2	15.5	15.7	15.9	16.4	14.3	14.6	14.7	15.0	15.5
8H	4H	14.2	14.6	14.7	15.0	15.4	15.0	15.4	15.5	15.8	16.2
	6H	15.2	15.5	15.7	15.9	16.4	15.5	15.7	15.9	16.2	16.7
	8H	15.7	15.9	16.1	16.4	16.8	15.7	15.9	16.1	16.4	16.8
	12H	15.9	16.1	16.4	16.6	17.1	15.8	16.0	16.3	16.5	17.0
12H	4H	14.3	14.6	14.7	15.0	15.5	15.2	15.5	15.7	15.9	16.4
	6H	15.3	15.6	15.8	16.0	16.5	15.7	15.9	16.2	16.4	16.9
	8H	15.8	16.0	16.3	16.5	17.0	15.9	16.1	16.4	16.6	17.1
Variations with the observer position at spacing:											
S =		1.0H					1.3 / -0.5				
		1.5H					2.8 / -0.7				
		2.0H					4.1 / -0.7				