View Opti Linear

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Product configuration: N984
N984: small body - warm white - wide flood optic

Product code
N984: small body - warm white - wide flood optic **Attention! Code no longer in production**

Technical description
Adjustable spotlight with adapter for installation on electrified track for a linear PCB LED lamp with a Warm White (3000K) tone. Product complete with super pure anodized aluminium reflector to guarantee wide flood light distribution. Electronic ballast integrated in the body. Die-cast aluminium optical assembly. Rotates 360° about the vertical axis and tilts 90° relative to the horizontal plane. Passive heat dissipation. Option of installing a range of outdoor accessories including an anti-glare and an asymmetric screen.

Installation
On an electrified track or base

Colour
Black (04) | Black / White (47)
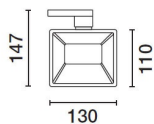
Weight (Kg)
0.9

Mounting
three circuit track|ceiling surface
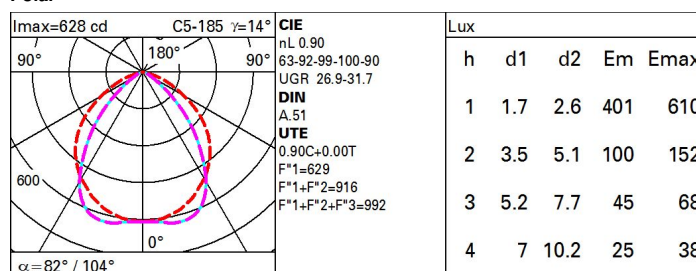
Wiring
Product complete with electronic components

Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly CE 03 CCC S&E EAC NOM

Technical data

lm system:	1305	CRI (minimum):	90
W system:	19.6	Colour temperature [K]:	3000
lm source:	1450	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	66.6	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.) [%]:	90	Number of optical assemblies:	1
Beam angle [°]:	82° / 104°		

Polar

Imax=628 cd   C5-185   γ=14°

90°   180°   90°

600

0°

α=82° / 104°

CIE
nL 0.90
63-92-99-100-90
UGR 26.9-31.7
DIN
A.51
UTE
0.90C+0.00T
F"1=629
F"1+F"2=916
F"1+F"2+F"3=992

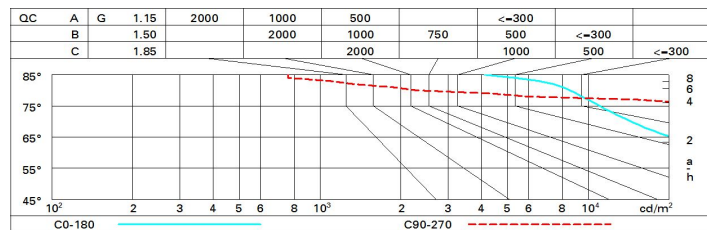| Lux				
h	d1	d2	Em	Emax
1	1.7	2.6	401	610
2	3.5	5.1	100	152
3	5.2	7.7	45	68
4	7	10.2	25	38

147   110   130

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	58	52	48	56	51	51	46	51
1.0	71	64	59	55	63	58	58	52	58
1.5	80	74	70	66	73	69	68	63	70
2.0	85	80	77	74	79	75	74	70	78
2.5	87	84	81	78	82	79	78	74	83
3.0	89	86	84	81	84	82	81	77	86
4.0	91	89	87	85	87	85	84	80	89
5.0	92	90	89	87	89	87	86	82	91

Luminance curve limit

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180 ──────── C90-270 ─ ─ ─ ─ ─ ─ ─

UGR diagram

Corrected UGR values (at 1450 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 x	y		viewed crosswise					viewed endwise			
2H	2H	26.3	27.3	26.6	27.5	27.8	30.6	31.6	30.9	31.8	32.1
	3H	26.3	27.2	26.6	27.4	27.7	30.7	31.5	31.0	31.8	32.1
	4H	26.3	27.1	26.6	27.4	27.7	30.6	31.4	31.0	31.7	32.0
	6H	26.2	26.9	26.6	27.3	27.6	30.5	31.3	30.9	31.6	31.9
	8H	26.2	26.9	26.5	27.2	27.6	30.5	31.2	30.9	31.6	31.9
	12H	26.1	26.8	26.5	27.2	27.5	30.5	31.1	30.9	31.5	31.9
4H	2H	27.0	27.8	27.3	28.1	28.4	31.5	32.3	31.9	32.6	32.9
	3H	27.0	27.7	27.4	28.0	28.4	31.8	32.4	32.1	32.8	33.1
	4H	26.9	27.5	27.4	27.9	28.3	31.8	32.4	32.2	32.7	33.1
	6H	26.9	27.4	27.3	27.8	28.2	31.7	32.3	32.2	32.7	33.1
	8H	26.9	27.3	27.3	27.8	28.2	31.7	32.2	32.1	32.6	33.0
	12H	26.8	27.3	27.3	27.7	28.2	31.7	32.1	32.1	32.5	33.0
8H	4H	27.1	27.6	27.5	28.0	28.4	31.8	32.2	32.2	32.6	33.1
	6H	27.1	27.5	27.5	27.9	28.4	31.8	32.2	32.2	32.6	33.1
	8H	27.0	27.4	27.5	27.8	28.3	31.8	32.1	32.2	32.6	33.1
	12H	27.0	27.3	27.5	27.8	28.3	31.7	32.0	32.2	32.5	33.0
12H	4H	27.1	27.5	27.6	28.0	28.4	31.7	32.1	32.2	32.6	33.0
	6H	27.1	27.4	27.6	27.9	28.4	31.7	32.1	32.2	32.5	33.0
	8H	27.1	27.3	27.6	27.8	28.4	31.7	32.0	32.2	32.5	33.0

Variations with the observer position at spacing:

S =	1.0H	1.0 / -2.0		0.4 / -0.4
	1.5H	1.8 / -4.4		0.7 / -1.4
	2.0H	3.1 / -6.0		1.7 / -1.9