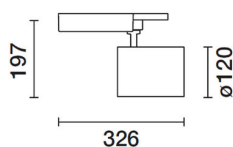


Last information update: May 2024

**Product configuration: P684**

P684: spotlight - warm white flood optic

**Product code**P684: spotlight - warm white flood optic **Attention! Code no longer in production****Technical description**

Adjustable spotlight with adapter for installation on mains voltage track for LED source with CoB technology, Warm White (3000K) emission. Electronic control gear housed inside the track-mounted power supply box. The luminaire is made of die-cast aluminium and thermoplastic. OPTI BEAM superpure aluminium reflector with high luminous efficacy and uniform distribution, flood optic. Features 90° inclination on the horizontal plane and 360° rotation around the vertical axis, with mechanical locking device for aiming. Passive cooling system. Possibility of installing a refractor, to be ordered separately, for elliptical light beam distribution.

**Installation**

The luminaire can be installed on a standard electrified track or on an appropriate channel incorporating an electrified track.

**Colour**

White (01) | Black (04)

**Weight (Kg)**

1.82

**Mounting**

three circuit track|ceiling surface

**Wiring**

product inclusive of electronic components incorporated into the track-mounted box.

Complies with EN60598-1 and pertinent regulations

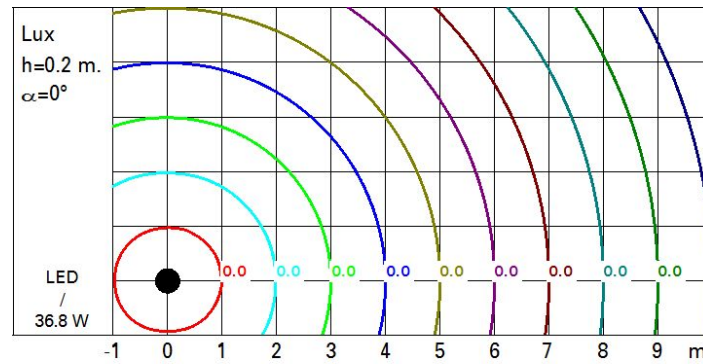
**Technical data**

lm system:	3945	CRI:	80
W system:	36.8	Colour temperature [K]:	3000
lm source:	5000	MacAdam Step:	2
W source:	33	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	107.2	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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	38°		

**Polar**

Imax=8625 cd		Lux			
90°	180°	90°	h	d	Em Emax
			2	1.4	1751 2132
			4	2.8	438 533
			6	4.1	195 237
			8	5.5	109 133
α = 38°					

### Isolux



### UGR diagram

Corrected UGR values (at 5000 lm bare lamp luminous flux)											
Riflect.:		viewed crosswise					viewed endwise				
ceil/cav											
walls		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
work pl.		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Room dim		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
x	y										
2H	2H	10.5	17.1	10.7	17.3	17.5	10.5	17.1	10.7	17.3	17.5
	3H	10.3	16.9	10.6	17.1	17.4	10.3	16.9	10.6	17.1	17.4
	4H	10.3	16.8	10.6	17.0	17.3	10.3	16.8	10.6	17.1	17.4
	6H	10.2	16.6	10.5	17.0	17.3	10.2	16.6	10.5	17.0	17.3
	8H	10.1	16.6	10.5	16.9	17.3	10.2	16.6	10.5	16.9	17.3
	12H	10.1	16.5	10.5	16.9	17.2	10.1	16.5	10.5	16.9	17.2
4H	2H	10.3	16.8	10.6	17.1	17.4	10.3	16.8	10.6	17.0	17.3
	3H	10.1	16.5	10.5	16.9	17.2	10.1	16.5	10.5	16.9	17.2
	4H	10.0	16.4	10.4	16.8	17.1	10.0	16.4	10.4	16.8	17.1
	6H	15.9	16.3	16.4	16.7	17.1	15.9	16.3	16.4	16.7	17.1
	8H	15.9	16.2	16.3	16.6	17.0	15.9	16.2	16.3	16.6	17.0
	12H	15.8	16.1	16.3	16.5	17.0	15.8	16.1	16.3	16.5	17.0
8H	4H	15.9	16.2	16.3	16.6	17.0	15.9	16.2	16.3	16.6	17.0
	6H	15.8	16.0	16.3	16.5	17.0	15.8	16.0	16.3	16.5	17.0
	8H	15.7	16.0	16.2	16.4	16.9	15.7	16.0	16.2	16.4	16.9
	12H	15.7	15.9	16.2	16.4	16.9	15.7	15.9	16.2	16.4	16.9
12H	4H	15.8	16.1	16.3	16.5	17.0	15.8	16.1	16.3	16.5	17.0
	6H	15.7	16.0	16.2	16.4	16.9	15.7	16.0	16.2	16.4	16.9
	8H	15.7	15.9	16.2	16.4	16.9	15.7	15.9	16.2	16.4	16.9
Variations with the observer position at spacing:											
S =	1.0H	0.5 / -12.5					0.5 / -12.5				
	1.5H	9.3 / -17.3					9.3 / -17.3				
	2.0H	11.3 / -19.6					11.3 / -19.6				