



- Ultra light, ultra compact
- High lighting efficiency
- Additional extreme ambient temperature range

E2

WebCode **6050C**



The 6050/6 universal spotlight is equipment used for lighting areas, work equipment and objects. It can be used indoors and outdoors. The clear lens is available in a matted version to limit the glare. Using an internal reflector, the universal spotlight can be adapted as a narrow beam, wide beam or a medium-wide beam to suit the lighting task.

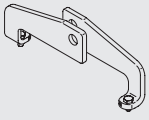


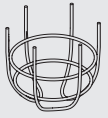
	ATEX / IECEx					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table									
Lamp wattage			20 W						
Version	Interfaces	Wire guard	Reflector	Protective glass version	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight kg
Pendant light fitting	-	No	No	clear	2000 lm	122 lm/W	6050/604-202-6B2-000850-000	265418	6.750
		Yes	No	clear	2000 lm	122 lm/W	6050/604-202-6B2-100850-000	265419	7.040
		No	No	frosted	1900 lm	114 lm/W	6050/604-202-6B2-200850-000	267555	6.750
		Yes	No	frosted	1900 lm	114 lm/W	6050/604-202-6B2-300850-000	267469	7.040
Lamp wattage			40 W						
Version	Interfaces	Wire guard	Reflector	Protective glass version	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight kg
Pendant light fitting	-	No	No	frosted	4700 lm	117 lm/W	6050/604-400-6B2-200850-000	267466	6.750
		Yes	No	frosted	4700 lm	117 lm/W	6050/604-400-6B2-300850-000	267470	7.040
Pendant light fitting with wall bracket	DALI	No	No	clear	5100 lm	127 lm/W	6050/604-401-7B2-000850-001	272489	8.230
		No	Yes	clear	5100 lm	127 lm/W	6050/604-401-7B2-008850-001	272491	8.230
		Yes	No	clear	5100 lm	127 lm/W	6050/604-401-7B2-100850-001	272490	8.520
		Yes	Yes	clear	5100 lm	127 lm/W	6050/604-401-7B2-108850-001	272492	8.520

Selection Table									
Lamp wattage			60 W						
Version	Interfaces	Wire guard	Reflector	Protective glass version	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight kg
Pendant light fitting	–	No	No	frosted	6800 lm	113 lm/W	6050/604-600-6B2-200850-000	269440	6.860
Pendant light fitting with wall bracket	DALI	No	No	clear	7400 lm	122 lm/W	6050/604-601-7B2-000850-001	272480	8.230
		No	Yes	clear	7400 lm	122 lm/W	6050/604-601-7B2-008850-001	272482	8.230
		Yes	No	clear	7400 lm	122 lm/W	6050/604-601-7B2-100850-001	272481	8.520
		Yes	Yes	clear	7400 lm	122 lm/W	6050/604-601-7B2-108850-001	272483	8.520
Lamp wattage			80 W						
Version	Interfaces	Wire guard	Reflector	Protective glass version	Luminous flux	Luminaire efficacy	Product Type	Art. No.	Weight kg
Pendant light fitting with ring eyes	DALI	No	No	clear	8800 lm	113 lm/W	6050/604-801-7B2-000850-002	270017	6.860
		No	Yes	clear	8800 lm	113 lm/W	6050/604-801-7B2-008850-002	270018	6.860
Pendant light fitting with wall bracket	DALI	No	No	clear	8800 lm	113 lm/W	6050/604-801-7B2-000850-001	270015	8.230
		No	Yes	clear	8800 lm	113 lm/W	6050/604-801-7B2-008850-001	270016	8.230
		Yes	No	clear	8800 lm	113 lm/W	6050/604-801-7B2-100850-001	270019	8.520
		Yes	Yes	clear	8800 lm	113 lm/W	6050/604-801-7B2-108850-001	270020	8.520

Technical Data				
Variant	20 W	40 W	60 W	80 W
Explosion Protection				
Ambient temperature °C	-40 ... +60 °C	-40 ... +70 °C	-40 ... +70 °C	-40 ... +70 °C
IECEx gas explosion protection	Ex db eb op is IIC T4 Gb	Ex db eb op is IIC T4 Gb	Ex db eb op is IIC T4 Gb	Ex db eb op is IIC T4 Gb
IECEx dust explosion protection	Ex tb op is IIIC T110 °C Db	Ex tb op is IIIC T110 °C Db	Ex tb op is IIIC T110 °C Db	Ex tb op is IIIC T110 °C Db
ATEX gas explosion protection	Ⓜ II 2 G Ex db eb op is IIC T4 Gb	Ⓜ II 2 G Ex db eb op is IIC T4 Gb	Ⓜ II 2 G Ex db eb op is IIC T4 Gb	Ⓜ II 2 G Ex db eb op is IIC T4 Gb
ATEX dust explosion protection	Ⓜ II 2 D Ex tb op is IIIC T110 °C Db	Ⓜ II 2 D Ex tb op is IIIC T110 °C Db	Ⓜ II 2 D Ex tb op is IIIC T110 °C Db	Ⓜ II 2 D Ex tb op is IIIC T110 °C Db
Certificates	ATEX (BVIS), China (CQST), EAC (Sertium), IECEx (BVIS), India (PESO)	ATEX (BVIS), China (CQST), EAC (Sertium), IECEx (BVIS), India (PESO)	ATEX (BVIS), China (CQST), EAC (Sertium), IECEx (BVIS), India (PESO)	ATEX (BVIS), China (CQST), EAC (Sertium), IECEx (BVIS), India (PESO)
Electrical Data				
Rated operational voltage AC	220 – 240 V	220 – 240 V	220 – 240 V	220 – 240 V
Nominal current	0.07 – 0.07 A	0.2 – 0.2 A	0.28 – 0.28 A	0.36 – 0.36 A
Frequency range	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz
Lighting Data				
Lamp	LED	LED	LED	LED
Light colour	Neutral white	Neutral white	Neutral white	Neutral white
Colour rendering	≥ 80	≥ 80	≥ 80	≥ 80
Colour temperature	5000 K	5000 K	5000 K	5000 K
Mechanical Data				
Degree of protection (IP)	IP66 / IP68 (10 m)	IP66 / IP68 (10 m)	IP66 / IP68 (10 m)	IP66 / IP68 (10 m)
Enclosure material	Aluminium, Seawater-resistant	Aluminium, Seawater-resistant	Aluminium, Seawater-resistant	Aluminium, Seawater-resistant
Sealing material	Silicone	Silicone	Silicone	Silicone
Connection terminals solid max.	6 mm ²	6 mm ²	6 mm ²	6 mm ²

Technical Data				
Variant	20 W	40 W	60 W	80 W
Explosion Protection				
Connection terminals finely-stranded max.	4 mm ²	4 mm ²	4 mm ²	4 mm ²
Type of connection cable	Finely stranded Solid finely-stranded with clip	Finely stranded Solid finely-stranded with clip	Finely stranded Solid finely-stranded with clip	Solid Finely stranded finely-stranded with clip
Design size	1	1	1	1
Components				
Screw connections	1 x M25 x 1.5	1 x M25 x 1.5	1 x M25 x 1.5	1 x M25 x 1.5
Stopping plug	1 x M25 x 1.5	1 x M25 x 1.5	1 x M25 x 1.5	1 x M25 x 1.5
Wire guard	No	No	No	No

Accessories				
Figure	Description	Art. No.	Weight kg	
	The stainless steel mounting fixture is fastened to the enclosure of the pendant light fitting series 6050/6 by means of two stainless steel screws M8.	269716	0.350	
Mounting bracket				
	Complete; stainless steel (for additional mounting) for 6050/6	265877	1.480	
Ring bolt				
	M8, für 6050/6, direct mounting; 1 pair	265874	0.400	
Wire guard				
	Complete with mounting parts Material: steel wire, stainless steel for 6050/6	221774	0.450	

Inrush current					
Power	DALI function	Start-up current			
20 W	without	I _{peak} = 25 A, Delta t = 150 µs			
40 W / 60 W	without	I _{peak} = 55 A, Delta t = 230 µs			
40 W / 60 W / 80 W	with	I _{peak} = 57 A, Delta t = 210 µs			
Maximum number of luminaires per miniature circuit breaker at 230 V:					
Power	Type	10 A	16 A	20 A	25 A
20 W	B	23	36	45	57
	C	39	61	76	96
40 W / 60 W	B	7	11	13	17
	C	11	18	22	28
DALI 40 W / 60 W / 80 W	B	7	12	14	21
	C	11	19	23	32