



HighFlex Lichtsysteme

einheitliches design für alle Leuchtentypen und Anforderungen



DESIGN & TECHNOLOGIE

Spezielle Lichttemperaturen für Fleisch, Brot etc.:

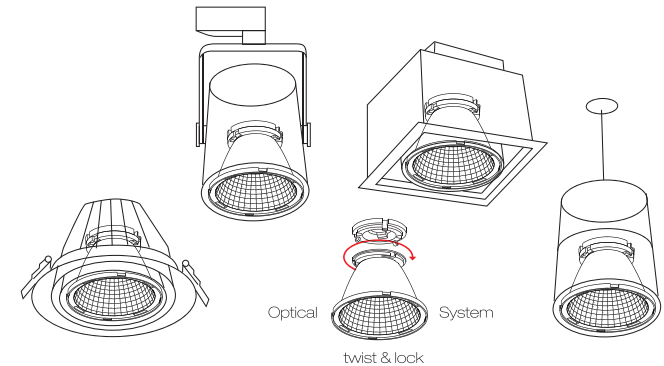
LED MODULE / LED		TYPE OF FOOD
Fleisch+		Gefrohren
Frischfleisch		Fleisch
4000K Ra>90		Fisch & Muscheln
3000K Ra>90		Früchte & Gemüse
Gold		Milchprodukte
Gold+		Brot & feingebäck



VIVI Color LED Technologie (VCLT)

INNOVATION

Austauschbarer Reflektor System
Einsetzbar in allen unseren Leuchten



UGR<13

hohe Blendungsbegrenzung



genaue Akzentuierung:
Abstrahlwinkel ab 12°

**Ra80
Ra90
Ra97**

hervorragende Farbwiedergabe

**HIGH OUTPUT
>4000LM**

Strahler mit über 4000lm Lichtstrom

**DALI
PWM
TRIACK**

Flimmer freie DALI/PWM/TRIACK Helligkeitsreglung

**LED
CHIP**

hohe Leistung:
> 100lm/Watt

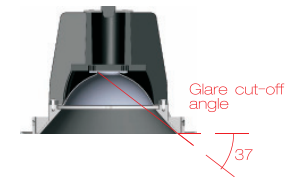
**TUV/GS
CE/RoHS**

Sicherheitsprüfung: TUV/GS CE/RoHS

**ISO9001:
2008**

ISO Zertifikate: ISO9001/2008

Hohe Blendungsbegrenzung durch intelligente Reflektor Technologie
UGR Wert unter 13





SPA-002TL



SPA-010TL



SPA-011TL



SPA-018TL



SPA-025TL



SPA-026TL



SPA-027TL



SPA-028TL



SPA-029TL



SPA-034TL



SPA-012TL



SPA-014TL



SPA-015TL



SPA-020TL



SPA-024TL



SPA-031TL



SPA-032TL



SPA-030TL



SPA-032SD



SPA-042SD



SPA-052SD



SPA-062SD



SPA-072SD



SPA-031SD



SPA-041SD



SPA-051SD

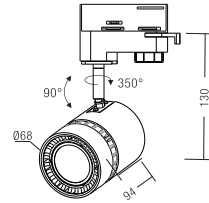


SPA-061SD

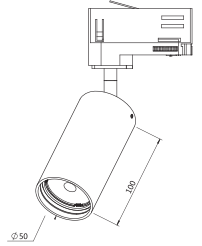


SPA-071SD

Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse	
8W	>80	16°	771 lm	3000K	○	
			833 lm	4000K	●	
		28°	752 lm	3000K	○	
			801 lm	4000K	●	
		40°	778 lm	3000K	○	
			839 lm	4000K	●	
		60°	761 lm	3000K	○	
			822 lm	4000K	●	
		>90	16°	612 lm	2700K	○
				635 lm	3000K	●



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse	
5W	>80	5°	350 lm	3000K	○	
			360 lm	4000K	●	
		>90	5°	310 lm	3000K	○
				320 lm	4000K	●



Track Adaptor

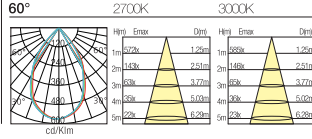
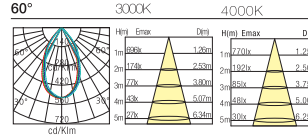
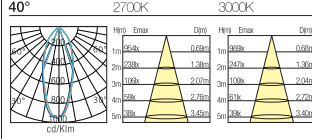
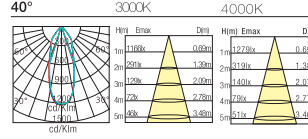
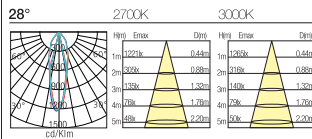
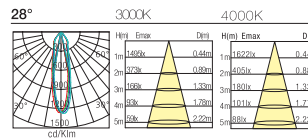
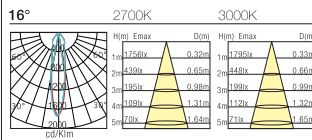
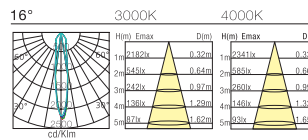


8W

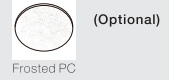
	LED			Luminaire		
Watt	6.2W			7.8W		
Eingangsstrom	180mA			200mA		
Lumen	836lm	875lm	905lm	750lm	778lm	839lm
Lichttemperatur	2700K 3000K 4000K			2700K 3000K 4000K		
Farbtoleranz	3 SDCM			3 SDCM		
Lebensdauer	>50000Hrs			>50000Hrs		
Abstrahlwinkel	120°			16°/28°/40°/60°		
Typen Leistung	80%			80%		
Lumen pro Watt	134	140	145	96	99	107

CRI>90

	LED			Luminaire		
Watt	6.2W			7.8W		
Eingangsstrom	180mA			200mA		
Lumen	694lm	726lm	751lm	612lm	635lm	
Lichttemperatur	2700K 3000K 4000K			2700K 3000K		
Farbtoleranz	3 SDCM			3 SDCM		
Lebensdauer	>50000Hrs			>50000Hrs		
Abstrahlwinkel	120°			16°/28°/40°/60°		
Typen Leistung	80%			80%		
Lumen pro Watt	111	116	120	81	78	



Reflector Cover



LED & Driver

COB LED:
Typical Voltage: 35V
Current: 180-460mA

Driver:
Input Voltage: 220-240V AC
Output Current: 200mA
Output Voltage: 30-50V
Optional Driver size: ≤Ø55x22mm

Weight:0.45KG



Track Adaptor



5W

	LED		Luminaire	
Watt	3.95W		5.2W	
Eingangsstrom	350mA		350mA	
Lumen	536lm	576lm	350lm	360lm
Lichttemperatur	3000K 4000K		3000K 4000K	
Farbtoleranz	3 SDCM		3 SDCM	
Lebensdauer	>50000Hrs		>50000Hrs	
Abstrahlwinkel	120°		5°	
Typen Leistung	65%		65%	
Lumen pro Watt	135.5	145.8	67.3	69.2

CRI>90

	LED		Luminaire	
Watt	3.95W		5.2W	
Eingangsstrom	350mA		350mA	
Lumen	463lm	463lm	300lm	310lm
Lichttemperatur	2700K 3000K		2700K 3000K	
Farbtoleranz	3 SDCM		3 SDCM	
Lebensdauer	>50000Hrs		>50000Hrs	
Abstrahlwinkel	120°		5°	
Typen Leistung	65%		65%	
Lumen pro Watt	117.2	117.2	57.6	59.6

Reflector Cover

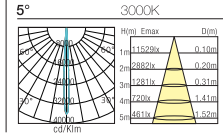


LED & Driver

COB LED:
Typical Voltage: 11V
Current: 350mA

Driver:
Input Voltage: 220-240V AC
Output Current: 350mA
Output Voltage: 8-13V
Optional Driver size: ≤49x30x25mm

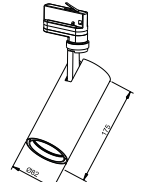
Weight:0.25KG



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
15W	>80	16°	1276 lm	3000K	○
			1327 lm	4000K	○
		24°	1247 lm	3000K	○
			1275 lm	4000K	○
		38°	1195 lm	3000K	○
			1643 lm	4000K	○
	>90	16°	1024 lm	3000K	○
			1245 lm	4000K	○
		24°	1013 lm	3000K	○
			1245 lm	4000K	○
		38°	971 lm	3000K	○
			968 lm	3000K	○



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
20W	>80	12°	1889lm	3000K	○
			1880 lm	4000K	○
		20°	1874 lm	3000K	○
			1850 lm	4000K	○
		38°	1829 lm	3000K	○
			1850 lm	4000K	○
	>90	12°	1475 lm	3000K	○
			1466 lm	3000K	○
		20°	1466 lm	3000K	○
			1442 lm	3000K	○
		38°	1442 lm	3000K	○
			1442 lm	3000K	○



Track Adaptor

(Standard)
Four wires three circuits track adaptor

(Optional)
Two wires single circuit track adaptor

Reflector Cover

(Standard)
Clear PC

(Optional)
Frosted PC

LED & Driver

COB LED:
Typical Voltage: 35V
Current: 360-920mA

Driver:
Input Voltage: 220-240V AC
Output Current: 350mA
Output Voltage: 20-40V
Optional Driver size: ≤95x30x25mm

Weight: 0.7KG



Track Adaptor

(Standard)
Four wires three circuits track adaptor

(Optional)
Two wires single circuit track adaptor

Reflector Cover

(Standard)
Clear PC

(Optional)
Frosted PC

LED & Driver

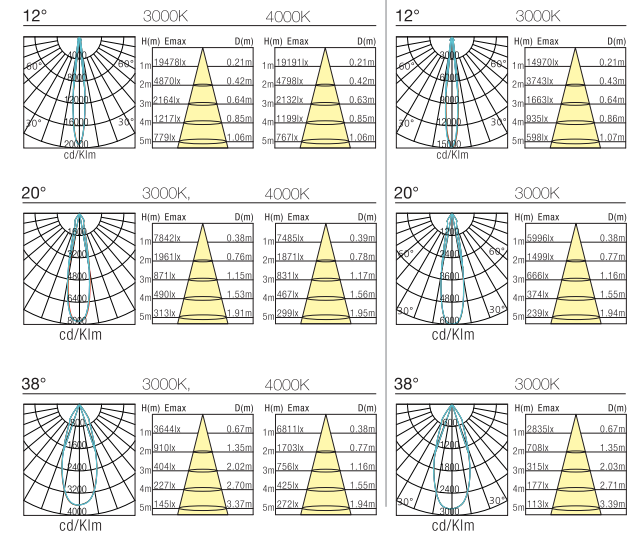
COB LED:
Typical Voltage: 35V
Current: 360-920mA

Driver:
Input Voltage: 220-240V AC
Output Current: 500mA
Output Voltage: 22-42V
Optional Driver size: ≤95x30x25mm

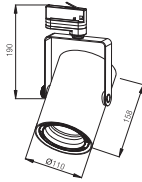
Weight: 0.8KG

Weight: 0.8KG

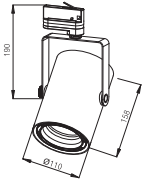
CRI>80		CRI>90	
LED	Luminaire	LED	Luminaire
Watt	12.5W	12.5W	19.8W
Eingangsstrom	360mA	360mA	500mA
Lumen	1673lm 1729lm 1754lm	1889lm 1880lm	1389lm 1435lm 1475lm
Lichttemperatur	3000K 4000K 5000K	3000K 4000K	3000K 4000K
Farbtoleranz	3 SDCM	3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°/20°/38°	12°/20°/38°
Typen Leistung		86%	86%
Lumen pro Watt	134 139 141	95 96	111 115 74



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
20W	>80	▲ 10°	1949 lm	3000K	○
			2179 lm	4000K	●
		▲ 20°	1941 lm	3000K	○
	▲ 38°	2130 lm	4000K	●	
		1939 lm	3000K	○	
		2049 lm	4000K	○	
>90	▲ 10°	1624 lm	3000K	○	
		1612 lm	3000K	○	
	▲ 38°	1603 lm	3000K	○	



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
30W	>80	▲ 15°	2913 lm	3000K	○
			3130 lm	4000K	●
		▲ 20°	2804 lm	3000K	○
	▲ 45°	3032 lm	4000K	○	
		2804 lm	3000K	○	
		2906 lm	4000K	○	
>90	▲ 15°	2454 lm	3000K	○	
		2392 lm	3000K	○	
	▲ 45°	2283 lm	3000K	○	



Accessories

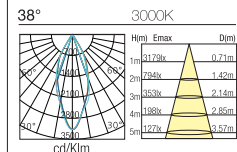
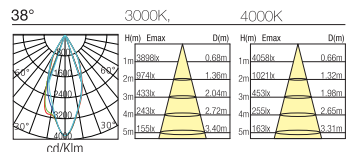
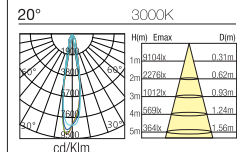
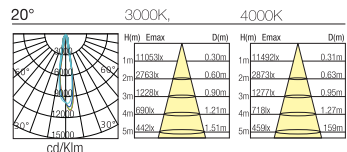
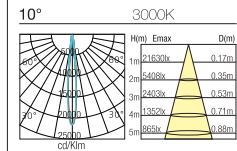
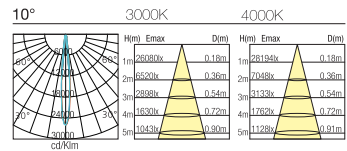


20W

Watt	12.5W
Eingangsstrom	360mA
Lumen	1770lm 1826lm 1850lm
Lichttemperatur	3000K 4000K 5000K
Farbtoleranz	3 SDCM
Lebensdauer	>50000Hrs
Abstrahlwinkel	120°
Typen Leistung	88%
Lumen pro Watt	141 146 148

CRI>80			LED		Luminaire	
			12.5W	20W	20W	20W
			360mA	500mA	500mA	500mA
			1770lm 1826lm 1850lm	1949lm 2179lm	1949lm	2179lm
			3000K 4000K 5000K	3000K 4000K	3000K	4000K
			3 SDCM	3 SDCM	3 SDCM	3 SDCM
			>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
			120°	10°/20°/38°	120°	10°/20°/38°
				88%		88%
			141 146 148	97 109	117	81

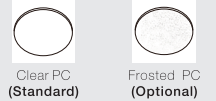
CRI>90		LED		Luminaire	
		12.5W	20W	20W	20W
		360mA	500mA	500mA	500mA
		1463lm	1624lm	1624lm	1624lm
		3000K	3000K	3000K	3000K
		3 SDCM	3 SDCM	3 SDCM	3 SDCM
		>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
		120°	10°/20°/38°	120°	10°/20°/38°
			88%		88%
		117	81		



Track Adaptor



Reflector Cover



LED & Driver

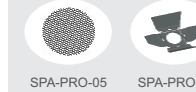
COB LED:
Typical Voltage: 35V
Current: 360-920mA

Driver:
Input Voltage: 220-240V AC
Output Current: 500mA
Output Voltage: 22-42V
Optional Driver size: ≤103x68x30mm

Weight: 0.95KG



Accessories



30W

Watt	18.7W
Eingangsstrom	540mA
Lumen	2742lm 2827lm 2867lm
Lichttemperatur	3000K 4000K 5000K
Farbtoleranz	3 SDCM
Lebensdauer	>50000Hrs
Abstrahlwinkel	120°
Typen Leistung	85%
Lumen pro Watt	147 151 153

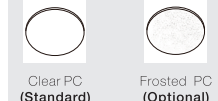
CRI>80			LED		Luminaire	
			18.7W	29.5W	29.5W	29.5W
			540mA	700mA	700mA	700mA
			2742lm 2827lm 2867lm	2913lm 3130lm	2913lm	3130lm
			3000K 4000K 5000K	3000K 4000K	3000K	4000K
			3 SDCM	3 SDCM	3 SDCM	3 SDCM
			>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
			120°	15°/20°/45°	120°	15°/20°/45°
				85%		85%
			147 151 153	98 106	121	81

CRI>90		LED		Luminaire	
		18.7W	29.5W	29.5W	29.5W
		540mA	700mA	700mA	700mA
		2265lm	2392lm	2392lm	2392lm
		3000K	3000K	3000K	3000K
		3 SDCM	3 SDCM	3 SDCM	3 SDCM
		>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
		120°	15°/20°/45°	120°	15°/20°/45°
			85%		85%
		121	81		

Track Adaptor



Reflector Cover

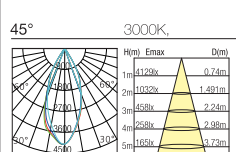
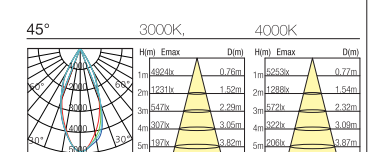
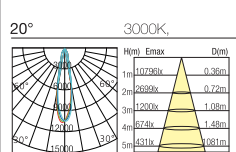
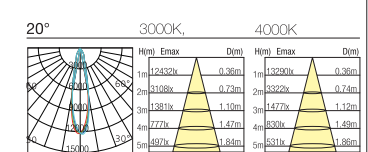
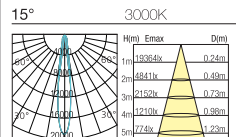
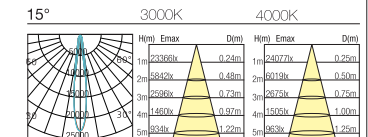


LED & Driver

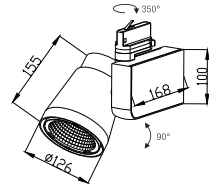
COB LED:
Typical Voltage: 35V
Current: 540-1380mA

Driver:
Input Voltage: 220-240V AC
Output Current: 700mA
Output Voltage: 30-42V
Optional Driver size: ≤103x68x30mm

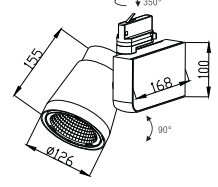
Weight: 0.95KG



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
30W	>80	12°	2763 lm	3000K	○
			2964 lm	4000K	●
		20°	2807 lm	3000K	○
			2956 lm	4000K	●
		45°	2463 lm	3000K	○
			2645 lm	4000K	●
>90	12°	2360 lm	3000K	○	
		2320 lm	3000K	●	
		2044 lm	3000K	○	



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
40W	>80	12°	3970 lm	3000K	○
			4282 lm	4000K	●
		20°	3995 lm	3000K	○
			4189 lm	4000K	●
		45°	3521 lm	3000K	○
			3678 lm	4000K	●
>90	12°	3252 lm	3000K	○	
		3256 lm	3000K	●	
		2874 lm	3000K	○	



Accessories

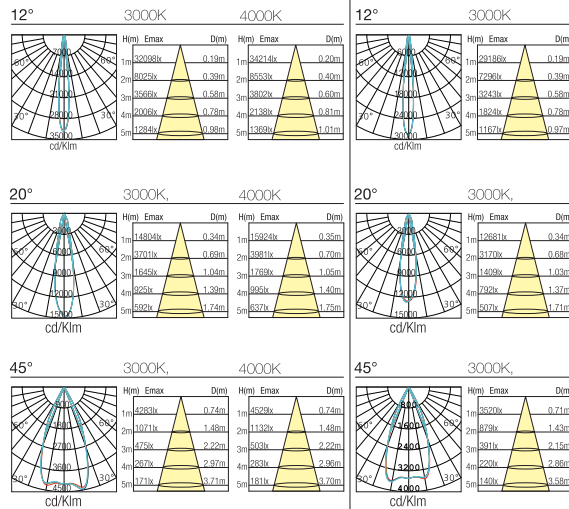


30W

Watt	18.7W
Eingangsstrom	540mA
Lumen	2742lm 2827lm 2867lm
Lichttemperatur	3000K 4000K 5000K
Farbtoleranz	3 SDCM
Lebensdauer	>50000Hrs
Abstrahlwinkel	120°
Typen Leistung	
Lumen pro Watt	147 151 153

CRI>80			CRI>90		
LED			Luminaire		
Watt	18.7W	29.5W	18.7W	29.5W	29.5W
Eingangsstrom	540mA	700mA	540mA	700mA	700mA
Lumen	2742lm 2827lm 2867lm	2733lm 2964lm	2265lm 2360lm	2360lm	2360lm
Lichttemperatur	3000K 4000K 5000K	3000K 4000K	3000K	3000K	3000K
Farbtoleranz	3 SDCM	3 SDCM	3 SDCM	3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°/20°/45°	120°	12°/20°/45°	12°/20°/45°
Typen Leistung		85%		88%	85%
Lumen pro Watt	147 151 153	92 100	121	80	

CRI>80			CRI>90		
LED			Luminaire		
Watt	18.7W	29.5W	18.7W	29.5W	29.5W
Eingangsstrom	540mA	700mA	540mA	700mA	700mA
Lumen	2742lm 2827lm 2867lm	2733lm 2964lm	2265lm 2360lm	2360lm	2360lm
Lichttemperatur	3000K 4000K 5000K	3000K 4000K	3000K	3000K	3000K
Farbtoleranz	3 SDCM	3 SDCM	3 SDCM	3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°/20°/45°	120°	12°/20°/45°	12°/20°/45°
Typen Leistung		85%		88%	85%
Lumen pro Watt	147 151 153	92 100	121	80	



Track Adaptor



Reflector Cover



LED & Driver

COB LED:
 Typical Voltage: 35V
 Current: 540-1380mA

Driver:
 Input Voltage: 220-240V AC
 Output Current: 700mA
 Output Voltage: 30-42V
 Optional Driver size: ≤110x75x32mm

Weight: 1.95KG



Accessories



40W

Watt	24.9W
Eingangsstrom	720mA
Lumen	3586lm 3697lm 3794lm
Lichttemperatur	3000K 4000K 5000K
Farbtoleranz	3 SDCM
Lebensdauer	>50000Hrs
Abstrahlwinkel	120°
Typen Leistung	
Lumen pro Watt	144 148 150

CRI>80			CRI>90		
LED			Luminaire		
Watt	24.9W	41.4W	24.9W	41.4W	41.4W
Eingangsstrom	720mA	1000mA	720mA	1000mA	1000mA
Lumen	3586lm 3697lm 3794lm	3970lm 4282lm	2962lm	3252lm	3252lm
Lichttemperatur	3000K 4000K 5000K	3000K 4000K	3000K	3000K	3000K
Farbtoleranz	3 SDCM	3 SDCM	3 SDCM	3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°/20°/45°	120°	12°/20°/45°	12°/20°/45°
Typen Leistung		85%		85%	85%
Lumen pro Watt	144 148 150	95 103	119	78	

CRI>80			CRI>90		
LED			Luminaire		
Watt	24.9W	41.4W	24.9W	41.4W	41.4W
Eingangsstrom	720mA	1000mA	720mA	1000mA	1000mA
Lumen	3586lm 3697lm 3794lm	3970lm 4282lm	2962lm	3252lm	3252lm
Lichttemperatur	3000K 4000K 5000K	3000K 4000K	3000K	3000K	3000K
Farbtoleranz	3 SDCM	3 SDCM	3 SDCM	3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°/20°/45°	120°	12°/20°/45°	12°/20°/45°
Typen Leistung		85%		85%	85%
Lumen pro Watt	144 148 150	95 103	119	78	

Track Adaptor



Reflector Cover

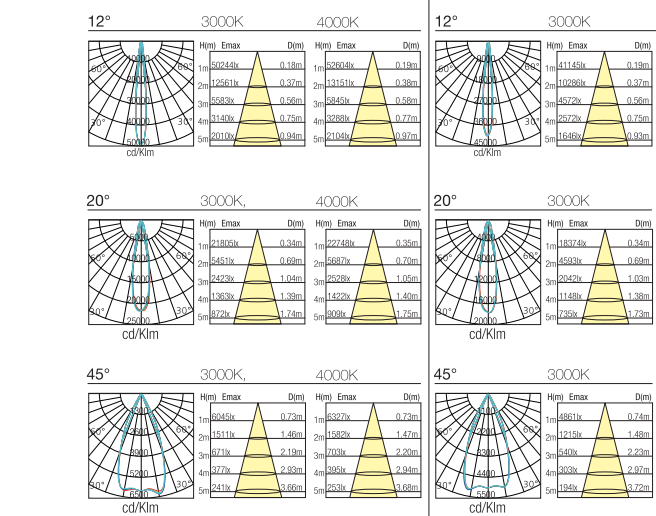


LED & Driver

COB LED:
 Typical Voltage: 35V
 Current: 720-1840mA

Driver:
 Input Voltage: 220-240V AC
 Output Current: 1000mA
 Output Voltage: 28-40V
 Optional Driver size: ≤110x75x32mm

Weight: 1.95KG





- TRIAC
- DALI
- ZIGBEE
- 0/1-10V

SPA-012TL



- * Simple and elegant appearance;
- * Driver box with left-right structure; Anti-glare reflector design, UGR<13;
- * Twist and lock design for reflector, easy for replacement;
- * Convective cooling design, improve heat dissipation.
- * Beam angle: 12°/20°/45° optional.
- * CRI: Ra80/ Ra90/ Ra97 optional.
- * Solution available for Special light spectrum of food lighting, Such as Fresh meat, bread and cheese, Fresh fruit and vegetables, etc.
- * Thanks to this gear box, can be compatible with different Dimming & Control: DALI, TRIAC, 0/1-10V, ZIGBEE, etc.

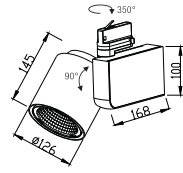


SPA-014TL

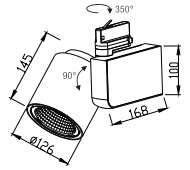


SPA-015TL

Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
30W	>80	▲ 12°	2763 lm	3000K	○
			2964 lm	4000K	●
	▲ 20°	2807 lm	3000K	○	
		2956 lm	4000K	●	
	▲ 45°	2463 lm	3000K	○	
		2645 lm	4000K	●	
>90	▲ 12°	2360 lm	3000K	○	
		2320 lm	3000K	●	
		2044 lm	3000K	●	



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
40W	>80	▲ 12°	3970 lm	3000K	○
			4282 lm	4000K	●
	▲ 20°	3995 lm	3000K	○	
		4189 lm	4000K	●	
	▲ 45°	3521 lm	3000K	○	
		3678 lm	4000K	●	
>90	▲ 12°	3252 lm	3000K	○	
		3256 lm	3000K	●	
		2874 lm	3000K	●	



Accessories



SPA-PRO-01 SPA-PRO-03

30W

Watt	18.7W
Eingangsstrom	540mA
Lumen	2742lm 2827lm 2867lm
Lichttemperatur	3000K 4000K 5000K
Farbtoleranz	3 SDCM
Lebensdauer	>50000Hrs
Abstrahlwinkel	120°
Typen Leistung	85%
Lumen pro Watt	147 151 153

Track Adaptor

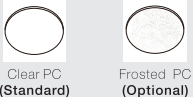


(Standard)



(Optional)

Reflector Cover



Clear PC (Standard) Frosted PC (Optional)

LED & Driver

COB LED:
 Typical Voltage: 35V
 Current: 540-1380mA

Driver:
 Input Voltage: 220-240V AC
 Output Current: 700mA
 Output Voltage: 30-42V
 Optional Driver size: ≤110x75x32mm

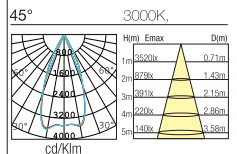
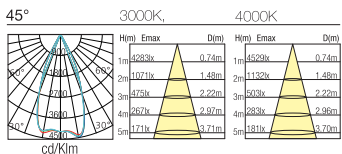
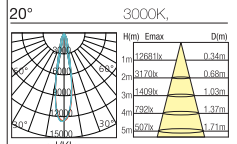
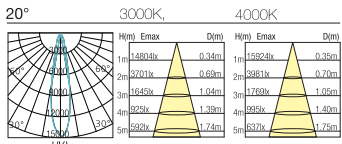
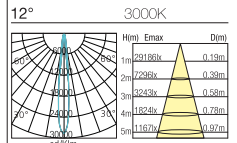
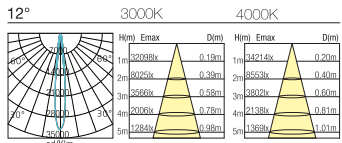
Weight: 1.95KG

CRI>80

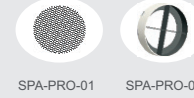
LED	Luminaire
18.7W	29.5W
540mA	700mA
2742lm 2827lm 2867lm	2733lm 2964lm
3000K 4000K 5000K	3000K 4000K
3 SDCM	3 SDCM
>50000Hrs	>50000Hrs
120°	12°*20°*45°
	85%
147 151 153	92 100

CRI>90

LED	Luminaire
18.7W	29.5W
540mA	700mA
2265lm 2360lm	2360lm
3000K	3000K
3 SDCM	3 SDCM
>50000Hrs	>50000Hrs
120°	12°*20°*45°
	88%
121	80



Accessories



SPA-PRO-01 SPA-PRO-03

40W

Watt	24.9W
Eingangsstrom	720mA
Lumen	3586lm 3697lm 3794lm
Lichttemperatur	3000K 4000K 5000K
Farbtoleranz	3 SDCM
Lebensdauer	>50000Hrs
Abstrahlwinkel	120°
Typen Leistung	85%
Lumen pro Watt	144 148 150

Track Adaptor

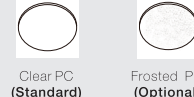


(Standard)



(Optional)

Reflector Cover



Clear PC (Standard) Frosted PC (Optional)

LED & Driver

COB LED:
 Typical Voltage: 35V
 Current: 720-1840mA

Driver:
 Input Voltage: 220-240V AC
 Output Current: 1000mA
 Output Voltage: 28-40V
 Optional Driver size: ≤110x75x32mm

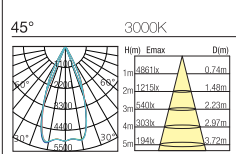
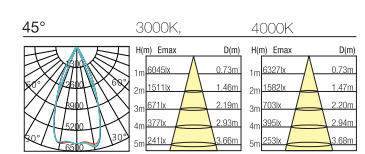
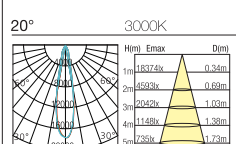
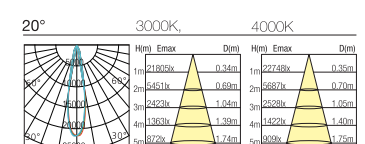
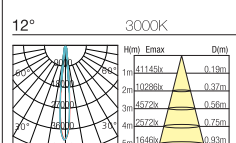
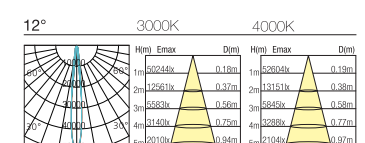
Weight: 1.95KG

CRI>80

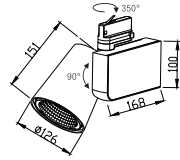
LED	Luminaire
24.9W	41.4W
720mA	1000mA
3586lm 3697lm 3794lm	3970lm 4282lm
3000K 4000K 5000K	3000K 4000K
3 SDCM	3 SDCM
>50000Hrs	>50000Hrs
120°	12°*20°*45°
	85%
144 148 150	95 103

CRI>90

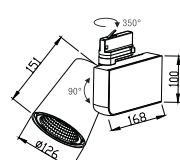
LED	Luminaire
24.9W	41.4W
720mA	1000mA
2962lm 3252lm	3252lm
3000K	3000K
3 SDCM	3 SDCM
>50000Hrs	>50000Hrs
120°	12°*20°*45°
	85%
119	78



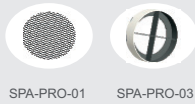
Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
30W	>80	12°	2763 lm	3000K	○
			2964 lm	4000K	○
		2807 lm	3000K	○	
	45°	2956 lm	4000K	○	
		2463 lm	3000K	○	
		2645 lm	4000K	○	
>90	12°	2360 lm	3000K	○	
		2320 lm	3000K	○	
	2044 lm	3000K	○		



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
40W	>80	12°	3970 lm	3000K	○
			4282 lm	4000K	○
		3995 lm	3000K	○	
	45°	4189 lm	4000K	○	
		3521 lm	3000K	○	
		3678 lm	4000K	○	
>90	12°	3252 lm	3000K	○	
		3256 lm	3000K	○	
	2874 lm	3000K	○		

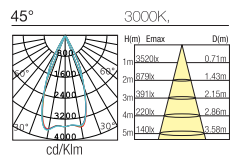
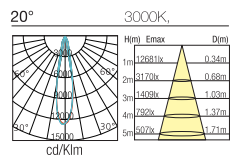
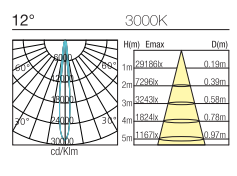
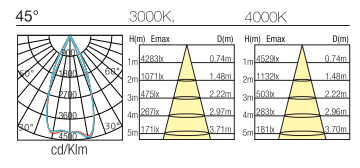
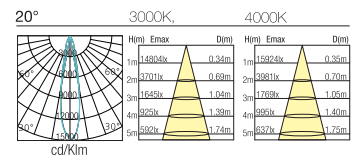
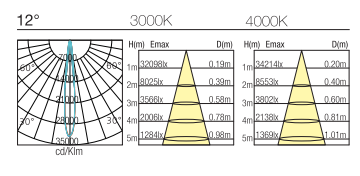


Accessories



30W	
Watt	18.7W
Eingangsstrom	540mA
Lumen	2742lm 2827lm 2867lm
Lichttemperatur	3000K 4000K 5000K
Farbtoleranz	3 SDCM
Lebensdauer	>50000Hrs
Abstrahlwinkel	120°
Typen Leistung	85%
Lumen pro Watt	147 151 153

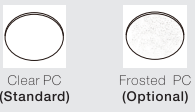
CRI>80		CRI>90	
LED	Luminaire	LED	Luminaire
Watt	18.7W	18.7W	29.5W
Eingangsstrom	540mA	540mA	700mA
Lumen	2742lm 2827lm 2867lm	2733lm 2964lm	2265lm 2360lm
Lichttemperatur	3000K 4000K 5000K	3000K 4000K	3000K 3000K
Farbtoleranz	3 SDCM	3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	120°	12°20°45°
Typen Leistung	85%	85%	88%
Lumen pro Watt	147 151 153	92 100	121 80



Track Adaptor



Reflector Cover



LED & Driver

COB LED:
Typical Voltage: 35V
Current: 540-1380mA

Driver:
Input Voltage: 220-240V AC
Output Current: 700mA
Output Voltage: 30-42V
Optional Driver size: ≤110x75x32mm

Weight: 1.95KG



Accessories



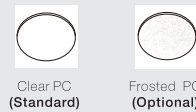
40W	
Watt	24.9W
Eingangsstrom	720mA
Lumen	3586lm 3697lm 3794lm
Lichttemperatur	3000K 4000K 5000K
Farbtoleranz	3 SDCM
Lebensdauer	>50000Hrs
Abstrahlwinkel	120°
Typen Leistung	85%
Lumen pro Watt	144 148 150

CRI>80		CRI>90	
LED	Luminaire	LED	Luminaire
Watt	24.9W	24.9W	41.4W
Eingangsstrom	720mA	720mA	1000mA
Lumen	3586lm 3697lm 3794lm	3970lm 4282lm	2962lm 3252lm
Lichttemperatur	3000K 4000K 5000K	3000K 4000K	3000K 3000K
Farbtoleranz	3 SDCM	3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°20°45°	120°
Typen Leistung	85%	85%	85%
Lumen pro Watt	144 148 150	95 103	119 78

Track Adaptor



Reflector Cover

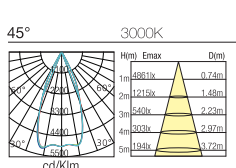
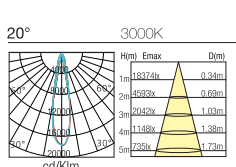
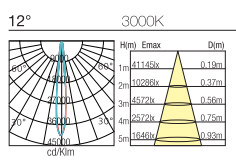
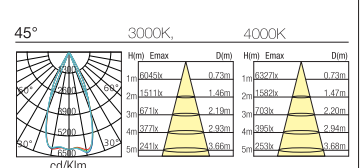
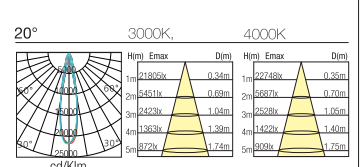
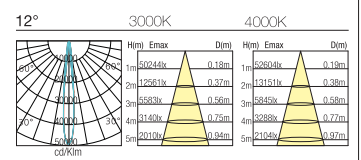


LED & Driver

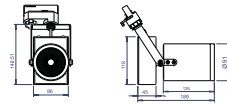
COB LED:
Typical Voltage: 35V
Current: 720-1840mA

Driver:
Input Voltage: 220-240V AC
Output Current: 1000mA
Output Voltage: 28-40V
Optional Driver size: ≤110x75x32mm

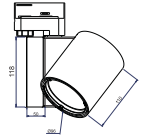
Weight: 1.95KG



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
28W	>80	15°	2719 lm	3000K	○
			2871 lm	4000K	○
		24°	2694 lm	3000K	○
			2924 lm	4000K	○
		36°	2694 lm	3000K	○
			2856 lm	4000K	○
>90		15°	2205 lm	3000K	○
			2205 lm	3000K	○
		24°	2205 lm	3000K	○
			2205 lm	3000K	○
		36°	2205 lm	3000K	○



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
20W	>95	10°	1487 lm	3000K	○
		20°	1474 lm	3000K	○
					●

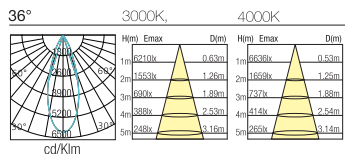
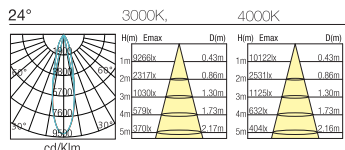
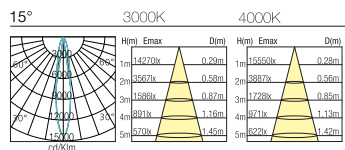


Track Adaptor

(Optional)
Two wires single circuit track adaptor

(Standard)
Four wires three circuits track adaptor

28W	CRI>80			CRI>90	
	LED	Luminaire		LED	Luminaire
Watt	18.7W	28W		18.7W	28W
Eingangsstrom	540mA	700mA		540mA	700mA
Lumen	2592lm	2677lm	2718lm	2151lm	2205lm
Lichttemperatur	3000K	4000K	5000K	3000K	3000K
Farbtoleranz	3 SDCM			3 SDCM	
Lebensdauer	>50000Hrs			>50000Hrs	
Abstrahlwinkel	120°			120°	
Typen Leistung				85%	
Lumen pro Watt	139	143	145	115	78



Reflector Cover

(Standard)
Clear PC

(Optional)
Frosted PC

LED & Driver

COB LED:
Typical Voltage: 35V
Current: 540-1380mA

Driver:
Input Voltage: 220-240V AC
Output Current: 700mA
Output Voltage: 30-42V
Optional Driver size: ≤103x68x30mm

Weight: 1.25KG



Track Adaptor

(Optional)
Two wires single circuit track adaptor

(Standard)
Four wires three circuits track adaptor

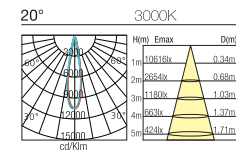
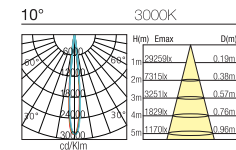
20W	CRI>95	
	LED	Luminaire
Watt	12.6W	20W
Eingangsstrom	360mA	500mA
Lumen	1435lm	1487lm
Lichttemperatur	3000K	3000K
Farbtoleranz	3 SDCM	
Lebensdauer	>50000Hrs	
Abstrahlwinkel	10°/20°	
Typen Leistung	88%	
Lumen pro Watt	113.8lm/W	74lm/W

LED & Driver

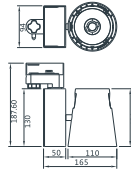
COB LED:
Typical Voltage: 35V
Current: 360-720mA

Driver:
Input Voltage: 220-240V AC
Output Current: 500mA
Output Voltage: 22-42V
Optional Driver size: ≤103x68x30mm

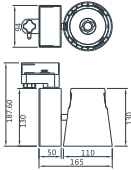
Weight: 1.3KG



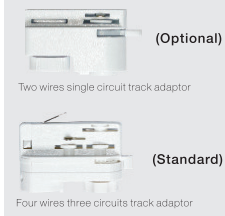
Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
20W	>80	10°	1940 lm	3000K	○
			2179 lm	4000K	○
		20°	1941 lm	3000K	○
			2130 lm	4000K	○
		38°	1939 lm	3000K	○
			2049 lm	4000K	○
>90		10°	1624 lm	3000K	○
			1612 lm	3000K	○
		20°	1612 lm	3000K	○
			1603 lm	3000K	○
		38°	1603 lm	3000K	○
			1603 lm	3000K	○



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
30W	>80	15°	2913 lm	3000K	○
			3130 lm	4000K	○
		20°	2804 lm	3000K	○
			3032 lm	4000K	○
		45°	2804 lm	3000K	○
			2906 lm	4000K	○
>90		15°	2454 lm	3000K	○
			2392 lm	3000K	○
		20°	2392 lm	3000K	○
			2283 lm	3000K	○
		45°	2283 lm	3000K	○
			2283 lm	3000K	○



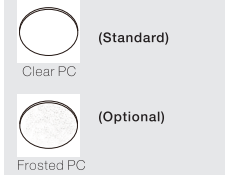
Track Adaptor



	CRI>80					
	LED			Luminaire		
20W	12.5W			20W		
Eingangsstrom	360mA			500mA		
Lumen	1770lm	1826lm	1850lm	1949lm	2179lm	
Lichttemperatur	3000K	4000K	5000K	3000K	4000K	
Farbtoleranz	3 SDCM					
Lebensdauer	>50000Hrs			>50000Hrs		
Abstrahlwinkel	120°			10°/20°/38°		
Typen Leistung				88%		
Lumen pro Watt	141	146	148	97	109	

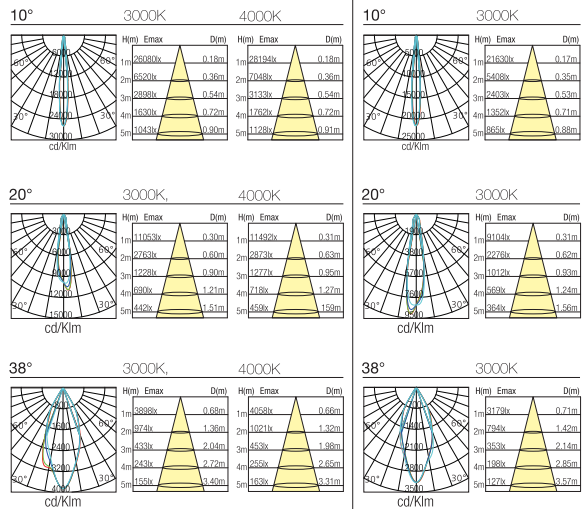
	CRI>90	
	LED	Luminaire
20W	12.5W	20W
Eingangsstrom	360mA	500mA
Lumen	1463lm	1624lm
Lichttemperatur	3000K	3000K
Farbtoleranz	3 SDCM	
Lebensdauer	>50000Hrs	
Abstrahlwinkel	120°	
Typen Leistung	88%	
Lumen pro Watt	117	81

Reflector Cover

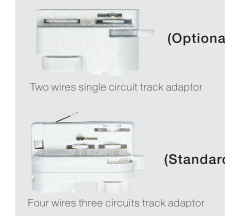


LED & Driver

COB LED:
 Typical Voltage: 35V
 Current: 360-920mA
Driver:
 Input Voltage: 220-240V AC
 Output Current: 500mA
 Output Voltage: 22-42V
 Optional Driver size: ≤ 103x68x30mm
 Weight: 1.55KG



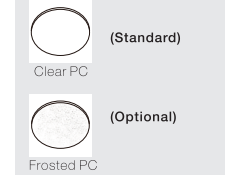
Track Adaptor



	CRI>80					
	LED			Luminaire		
30W	18.7W			29.5W		
Eingangsstrom	540mA			700mA		
Lumen	2742lm	2827lm	2867lm	2913lm	3130lm	
Lichttemperatur	3000K	4000K	5000K	3000K	4000K	
Farbtoleranz	3 SDCM					
Lebensdauer	>50000Hrs			>50000Hrs		
Abstrahlwinkel	120°			15°/20°/45°		
Typen Leistung				85%		
Lumen pro Watt	147	151	153	98	106	

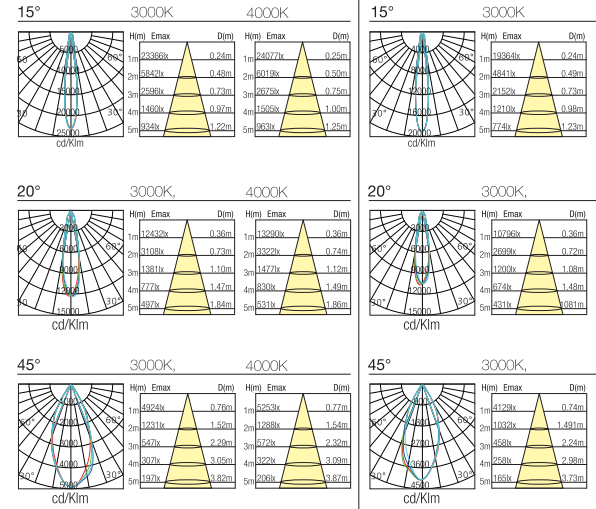
	CRI>90	
	LED	Luminaire
30W	18.7W	29.5W
Eingangsstrom	540mA	700mA
Lumen	2265lm	2392lm
Lichttemperatur	3000K	3000K
Farbtoleranz	3 SDCM	
Lebensdauer	>50000Hrs	
Abstrahlwinkel	120°	
Typen Leistung	85%	
Lumen pro Watt	121	81

Reflector Cover

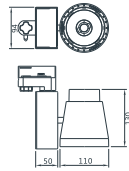


LED & Driver

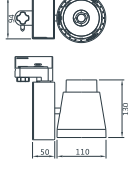
COB LED:
 Typical Voltage: 35V
 Current: 540-1380mA
Driver:
 Input Voltage: 220-240V AC
 Output Current: 700mA
 Output Voltage: 30-42V
 Optional Driver size: ≤ 103x68x30mm
 Weight: 1.55KG



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
20W	>80	▲ 10°	1940 lm	3000K	○
			2179 lm	4000K	●
		▲ 20°	1941 lm	3000K	○
			2130 lm	4000K	○
		▲ 38°	1939 lm	3000K	○
			2049 lm	4000K	○
>90	▲	10°	1624 lm	3000K	○
			1612 lm	3000K	○
			1603 lm	3000K	○



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
30W	>80	▲ 15°	2913 lm	3000K	○
			3130 lm	4000K	●
		▲ 20°	2804 lm	3000K	○
			3032 lm	4000K	○
		▲ 45°	2804 lm	3000K	○
			2906 lm	4000K	○
>90	▲	15°	2454 lm	3000K	○
			2392 lm	3000K	○
			2283 lm	3000K	○



Track Adaptor

(Optional)
Two wires single circuit track adaptor

(Standard)
Four wires three circuits track adaptor

	CRI>80			CRI>90	
	LED	Luminaire		LED	Luminaire
Watt	12.5W	20W		12.5W	20W
Eingangsstrom	360mA	500mA		360mA	500mA
Lumen	1770lm	1826lm	1850lm	1463lm	1624lm
Lichttemperatur	3000K	4000K	5000K	3000K	3000K
Farbtoleranz	3 SDCM			3 SDCM	
Lebensdauer	>50000Hrs			>50000Hrs	
Abstrahlwinkel	120°			120°	
Typen Leistung	88%			88%	
Lumen pro Watt	141	146	148	117	81

	CRI>80		CRI>90	
	LED	Luminaire	LED	Luminaire
Watt	12.5W	20W	12.5W	20W
Eingangsstrom	360mA	500mA	360mA	500mA
Lumen	1770lm	1826lm	1463lm	1624lm
Lichttemperatur	3000K	4000K	3000K	3000K
Farbtoleranz	3 SDCM		3 SDCM	
Lebensdauer	>50000Hrs		>50000Hrs	
Abstrahlwinkel	120°		120°	
Typen Leistung	88%		88%	
Lumen pro Watt	141	148	117	81

Reflector Cover

(Standard)
Clear PC

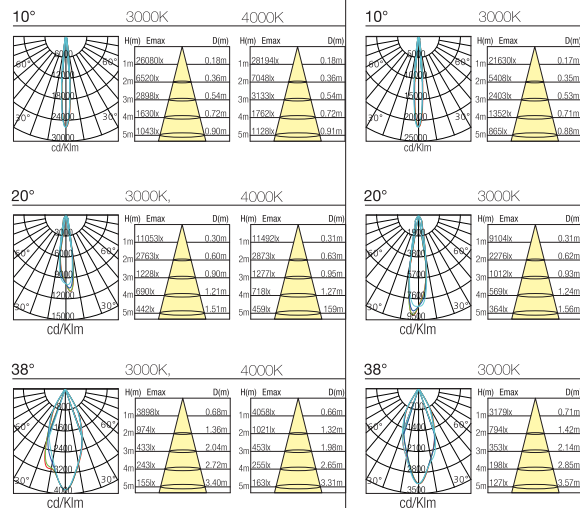
(Optional)
Frosted PC

LED & Driver

COB LED:
Typical Voltage: 35V
Current: 360-920mA

Driver:
Input Voltage: 220-240V AC
Output Current: 500mA
Output Voltage: 22-42V
Optional Driver size: ≤103x68x30mm

Weight: 1.55KG



Track Adaptor

(Optional)
Two wires single circuit track adaptor

(Standard)
Four wires three circuits track adaptor

	CRI>80			CRI>90	
	LED	Luminaire		LED	Luminaire
Watt	18.7W	29.5W		18.7W	29.5W
Eingangsstrom	540mA	700mA		540mA	700mA
Lumen	2742lm	2827lm	2867lm	2265lm	2392lm
Lichttemperatur	3000K	4000K	5000K	3000K	3000K
Farbtoleranz	3 SDCM			3 SDCM	
Lebensdauer	>50000Hrs			>50000Hrs	
Abstrahlwinkel	120°			120°	
Typen Leistung	85%			85%	
Lumen pro Watt	147	151	153	121	81

	CRI>80		CRI>90	
	LED	Luminaire	LED	Luminaire
Watt	18.7W	29.5W	18.7W	29.5W
Eingangsstrom	540mA	700mA	540mA	700mA
Lumen	2742lm	2827lm	2265lm	2392lm
Lichttemperatur	3000K	4000K	3000K	3000K
Farbtoleranz	3 SDCM		3 SDCM	
Lebensdauer	>50000Hrs		>50000Hrs	
Abstrahlwinkel	120°		120°	
Typen Leistung	85%		85%	
Lumen pro Watt	147	153	121	81

Reflector Cover

(Standard)
Clear PC

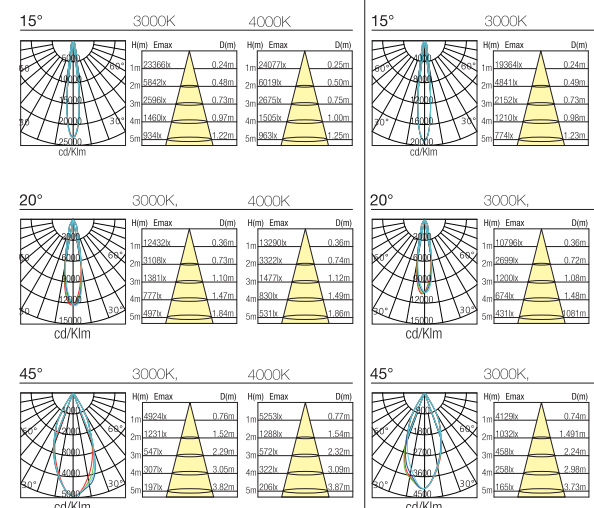
(Optional)
Frosted PC

LED & Driver

COB LED:
Typical Voltage: 35V
Current: 540-1380mA

Driver:
Input Voltage: 220-240V AC
Output Current: 700mA
Output Voltage: 30-42V
Optional Driver size: ≤103x68x30mm

Weight: 1.55KG





Ceiling Surface Mounted SPOTLIGHT

SPA-031SD



SPA-031SD



SPA-032SD



SPA-041SD



SPA-042SD



SPA-051SD



SPA-052SD



SPA-061SD



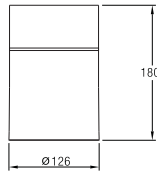
SPA-062SD

Ceiling pendant SPOTLIGHT

SPA-032SD



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
30W	>80	▲ 12°	2733 lm	3000K	○
			2964 lm	4000K	○
			2997 lm	5000K	○
		▲ 20°	2719 lm	3000K	○
			2956 lm	4000K	○
			2872 lm	5000K	○
		▲ 45°	2463 lm	3000K	○
			2645 lm	4000K	○
			2941 lm	5000K	○
>90	▲ 12°	2360 lm	3000K	○	
	▲ 20°	2319 lm	3000K	○	
	▲ 45°	2044 lm	3000K	○	



Reflector Cover

(Standard) Clear PC

(Optional) Frosted PC

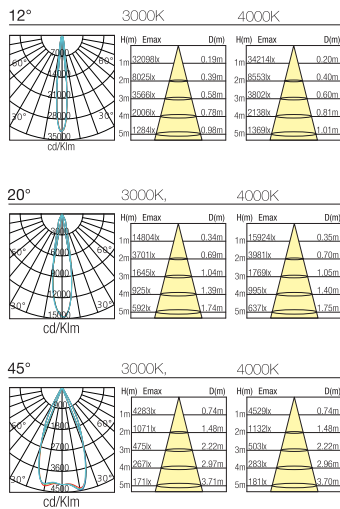
LED & Driver

COB LED:
Typical Voltage: 35V
Current: 540-1380mA

Driver:
Input Voltage: 220-240V AC
Output Current: 700mA
Output Voltage: 30-42V

Weight: 1.8Kg

30W	CRI>80			CRI>90	
	LED	Luminaire		LED	Luminaire
Watt	18.7W	29.5W		18.7W	20W
Eingangsstrom	540mA	700mA		540mA	500mA
Lumen	2742lm 2827lm 2867lm	2733lm	2964lm	2265lm	2360lm
Lichttemperatur	3000K 4000K 5000K	3000K	4000K	3000K	3000K
Farbtoleranz	3 SDCM	3 SDCM		3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs		>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°/20°/45°		120°	12°/20°/45°
Typen Leistung		85%			88%
Lumen pro Watt	147 151 153	92	100	121	80



40W	CRI>80			CRI>90	
	LED	Luminaire		LED	Luminaire
Watt	24.9W	41.4W		24.9W	20W
Eingangsstrom	720mA	1000mA		720mA	500mA
Lumen	3586lm 3697lm 3794lm	3970lm	4282lm	2265lm	2360lm
Lichttemperatur	3000K 4000K 5000K	3000K	4000K	3000K	3000K
Farbtoleranz	3 SDCM	3 SDCM		3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs		>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°/20°/45°		120°	12°/20°/45°
Typen Leistung		85%			88%
Lumen pro Watt	144 148 150	95	103	121	80



Reflector Cover

(Standard) Clear PC

(Optional) Frosted PC

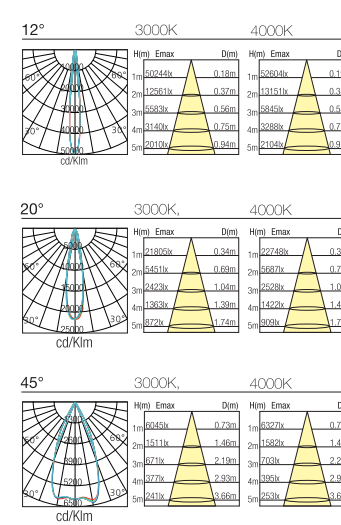
LED & Driver

COB LED:
Typical Voltage: 35V
Current: 720-1840mA

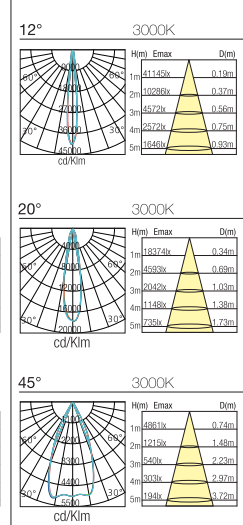
Driver:
Input Voltage: 220-240V AC
Output Current: 1000mA
Output Voltage: 28-40V

Weight: 1.8Kg

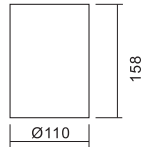
40W	CRI>80			CRI>90	
	LED	Luminaire		LED	Luminaire
Watt	24.9W	41.4W		24.9W	41.4W
Eingangsstrom	720mA	1000mA		720mA	1000mA
Lumen	3586lm 3697lm 3794lm	3970lm	4282lm	2962lm	3252lm
Lichttemperatur	3000K 4000K 5000K	3000K	4000K	3000K	3000K
Farbtoleranz	3 SDCM	3 SDCM		3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs		>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°/20°/45°		120°	12°/20°/45°
Typen Leistung		85%			85%
Lumen pro Watt	144 148 150	95	103	119	78



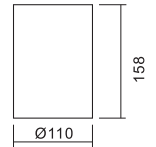
40W	CRI>80			CRI>90	
	LED	Luminaire		LED	Luminaire
Watt	24.9W	41.4W		24.9W	41.4W
Eingangsstrom	720mA	1000mA		720mA	1000mA
Lumen	3586lm 3697lm 3794lm	3970lm	4282lm	2962lm	3252lm
Lichttemperatur	3000K 4000K 5000K	3000K	4000K	3000K	3000K
Farbtoleranz	3 SDCM	3 SDCM		3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs		>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°/20°/45°		120°	12°/20°/45°
Typen Leistung		85%			85%
Lumen pro Watt	144 148 150	95	103	119	78



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
20W	>80	▲ 10°	1949 lm	3000K	○
		▲ 20°	2179 lm	4000K	○
		▲ 38°	2130 lm	4000K	○
	>90	▲ 10°	1624lm	3000K	○
		▲ 20°	1612 lm	3000K	○
		▲ 38°	1603 lm	3000K	○



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
30W	>80	▲ 15°	2913 lm	3000K	○
			3130 lm	4000K	○
			2997 lm	5000K	○
		▲ 20°	2804 lm	3000K	○
			3032 lm	4000K	○
			2872 lm	5000K	○
	>90	▲ 15°	2804 lm	3000K	○
			2906 lm	4000K	○
			2941 lm	5000K	○
		▲ 20°	3029 lm	3000K	○
			2392 lm	3000K	○
			2283 lm	3000K	○

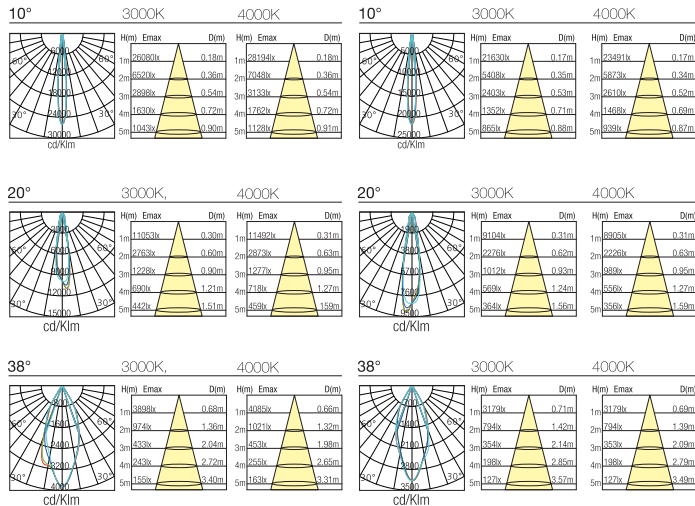


Reflector Cover	20W	CRI>80				CRI>90				
		LED		Luminaire		LED		Luminaire		
	Watt	12.5W	19.8W	19.8W	2.5W	19.8W	19.8W	19.8W	19.8W	
	Eingangsstrom	360mA	500mA	500mA	360mA	500mA	500mA	500mA	500mA	
	Lumen	1673lm	1729lm	1754lm	1389lm	1435lm	1612lm	1627lm	1627lm	
	Lichttemperatur	3000K	4000K	5000K	3000K	4000K	3000K	4000K	4000K	
	Farbtoleranz	3 SDCM				3 SDCM				
	Lebensdauer	>50,000Hrs				>50,000Hrs				
	Abstrahlwinkel	120°		10°/20°/38°		120°		10°/20°/38°		
	Typen Leistung	86%				86%				
	Lumen pro Watt	134	139	141	98	107	111	115	81	82

COB LED:
Typical Voltage: 35V
Current: 360-920mA

Driver:
Input Voltage: 220-240V AC
Output Current: 500mA
Output Voltage: 20-40V
Optional Driver size: ≤140x50x32mm

Weight: 1.15KG

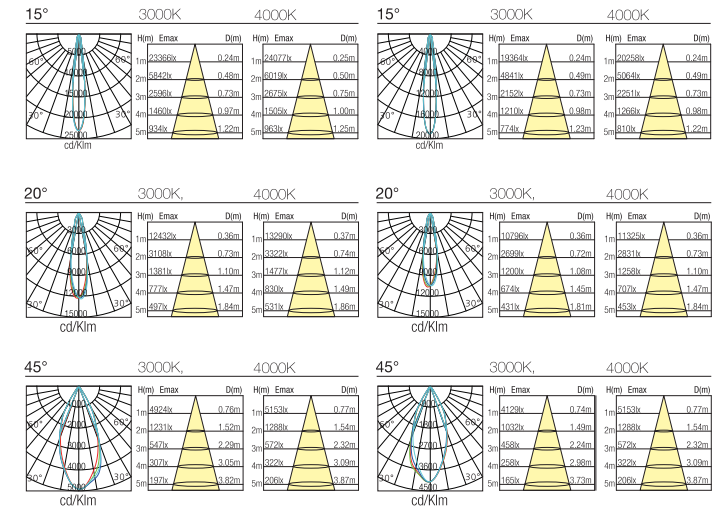


Reflector Cover	30W	CRI>80				CRI>90			
		LED		Luminaire		LED		Luminaire	
	Watt	18.7W	29.5W	29.5W	18.7W	29.5W	29.5W	29.5W	29.5W
	Eingangsstrom	540mA	700mA	700mA	540mA	700mA	700mA	700mA	700mA
	Lumen	2592lm	2677lm	2718lm	2804lm	3032lm	2151lm	2329lm	2549lm
	Lichttemperatur	3000K	4000K	5000K	3000K	4000K	3000K	3000K	4000K
	Farbtoleranz	3 SDCM				3 SDCM			
	Lebensdauer	>50,000Hrs				>50,000Hrs			
	Abstrahlwinkel	120°		15°/20°/45°		120°		15°/20°/45°	
	Typen Leistung	85%				86%			
	Lumen pro Watt	139	143	145	95	102	115	81	86

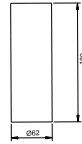
COB LED:
Typical Voltage: 35V
Current: 540-1380mA

Driver:
Input Voltage: 220-240V AC
Output Current: 700mA
Output Voltage: 30-42V

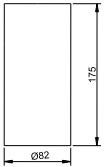
Weight: 1.15KG



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
15W	>80	▲ 16°	1276 lm	3000K	○
			1327 lm	4000K	●
					○
		▲ 24°	1247 lm	3000K	○
			1275 lm	4000K	●
	>90	▲ 38°	1195 lm	3000K	○
			1643 lm	4000K	●
					○
		▲ 60°	1204 lm	3000K	○
			1245 lm	4000K	●
>90	▲ 16°	1024 lm	3000K	○	
	▲ 24°	1013 lm	3000K	○	
	▲ 38°	971 lm	3000K	○	
	▲ 60°	968 lm	3000K	○	



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
20W	>80	▲ 12°	1889lm	3000K	○
			1880 lm	4000K	●
					○
		▲ 20°	1874 lm	3000K	○
			1850 lm	4000K	●
	>90	▲ 38°	1829 lm	3000K	○
			1850 lm	4000K	●
					○
		▲ 12°	1475 lm	3000K	○
		▲ 20°	1466 lm	3000K	○
▲ 38°	1442 lm	3000K	○		



Reflector Cover

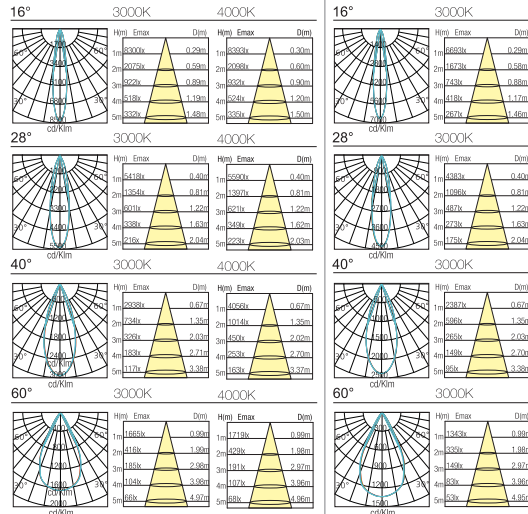
Clear PC (Optional) Frosted Glass (Optional)

LED & Driver

COB LED:
Typical Voltage: 35V
Current: 360-920mA

Driver:
Input Voltage: 220-240V AC
Output Current: 350mA
Output Voltage: 20-40V
Optional Driver size: ≤95x30x25mm

CRI>80		CRI>90	
LED	Luminaire	LED	Luminaire
6.2W	13.8W	6.2W	13.8W
180mA	350mA	180mA	350mA
836lm 875lm 905lm	1276lm 1327lm	694lm 726lm 751lm	1024lm
2700K 3000K 4000K	3000K 4000K	2700K 3000K 4000K	3000K
3 SDCM		3 SDCM	
>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
120°	16° 24° 38° 60°	120°	16° 24° 38° 60°
	86%		86%
134 140 145	92 96	111 116 120	74



Reflector Cover

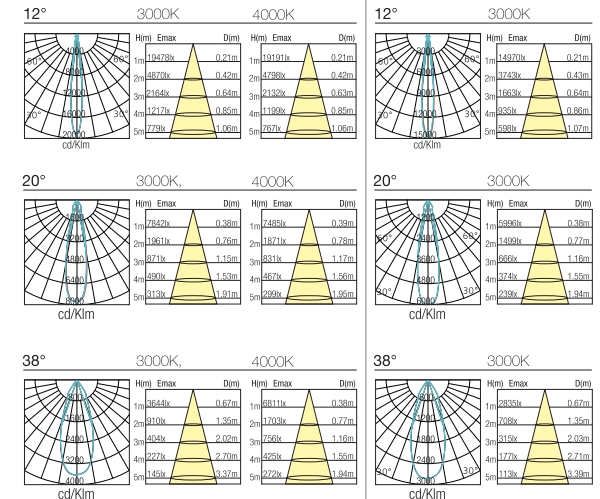
Clear PC (Optional) Frosted Glass (Optional)

LED & Driver

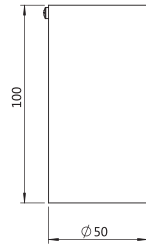
COB LED:
Typical Voltage: 35V
Current: 360-920mA

Driver:
Input Voltage: 220-240V AC
Output Current: 500mA
Output Voltage: 22-42V
Optional Driver size: ≤95x30x25mm

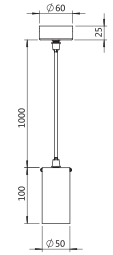
20W	CRI>80		CRI>90	
	LED	Luminaire	LED	Luminaire
Watt	12.5W	19.8W	12.5W	19.8W
Eingangsstrom	360mA	500mA	360mA	500mA
Lumen	1673lm 1729lm 1754lm	1889lm 1880lm	1389lm 1435lm	1475lm
Lichttemperatur	3000K 4000K 5000K	3000K 4000K	3000K 4000K	3000K
Farbtoleranz	3 SDCM	3 SDCM	3 SDCM	3 SDCM
Lebensdauer	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	12°/20°/38°	120°	12°/20°/38°
Typen Leistung		86%		86%
Lumen pro Watt	134 139 141	95 96	111 115	74



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
5W	>80	5°	350 lm	3000K	○
			360 lm	4000K	●
	>90	5°	310 lm	3000K	○
			320 lm	4000K	●

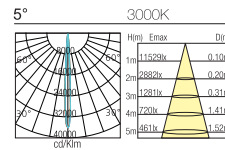


Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
5W	>80	5°	350 lm	3000K	○
			360 lm	4000K	●
	>90	5°	310 lm	3000K	○
			320 lm	4000K	●



Reflector Cover	5W	CRI>80	
		LED	Luminaire
oval filter square filter Honeycomb	Watt	3.95W	5.2W
	Eingangsstrom	350mA	350mA
	Lumen	536lm 576lm	350lm 360lm
	Lichttemperatur	3000K 4000K	3000K 4000K
	Farbtoleranz	3 SDCM	3 SDCM
	Lebensdauer	>50000Hrs	>50000Hrs
	Abstrahlwinkel	120°	5°
	Typen Leistung		65%
	Lumen pro Watt	135.5 145.8	67.3 69.2

CRI>90	
LED	Luminaire
Watt	3.95W
Eingangsstrom	350mA
Lumen	463lm 463lm
Lichttemperatur	2700K 3000K
Farbtoleranz	3 SDCM
Lebensdauer	>50000Hrs
Abstrahlwinkel	120°
Typen Leistung	65%
Lumen pro Watt	117.2 117.2



LED & Driver

COB LED:
Typical Voltage: 11V
Current: 350mA

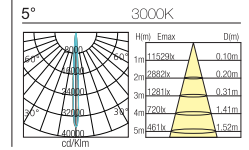
Driver:
Input Voltage: 220-240V AC
Output Current: 350mA
Output Voltage: 8-13V
Optional Driver size: ≤49x30x25mm

Weight:0.25KG



Reflector Cover	5W	CRI>80	
		LED	Luminaire
oval filter square filter Honeycomb	Watt	3.95W	5.2W
	Eingangsstrom	350mA	350mA
	Lumen	536lm 576lm	350lm 360lm
	Lichttemperatur	3000K 4000K	3000K 4000K
	Farbtoleranz	3 SDCM	3 SDCM
	Lebensdauer	>50000Hrs	>50000Hrs
	Abstrahlwinkel	120°	5°
	Typen Leistung		65%
	Lumen pro Watt	135.5 145.8	67.3 69.2

CRI>90	
LED	Luminaire
Watt	3.95W
Eingangsstrom	350mA
Lumen	463lm 463lm
Lichttemperatur	2700K 3000K
Farbtoleranz	3 SDCM
Lebensdauer	>50000Hrs
Abstrahlwinkel	120°
Typen Leistung	65%
Lumen pro Watt	117.2 117.2



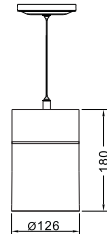
LED & Driver

COB LED:
Typical Voltage: 11V
Current: 350mA

Driver:
Input Voltage: 220-240V AC
Output Current: 350mA
Output Voltage: 8-13V
Optional Driver size: ≤49x30x25mm

Weight:0.25KG

Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
30W	>80	▲ 12°	2733 lm	3000K	○
			2964 lm	4000K	○
			2997 lm	5000K	○
		▲ 20°	2719 lm	3000K	○
			2956 lm	4000K	○
			2872 lm	5000K	○
		▲ 45°	2463 lm	3000K	○
			2645 lm	4000K	○
			2941 lm	5000K	○
>90	▲ 12°	2360 lm	3000K	○	
	▲ 20°	2319 lm	3000K	○	
	▲ 45°	2044 lm	3000K	○	



Reflector Cover

(Standard) Clear PC

(Optional) Frosted PC

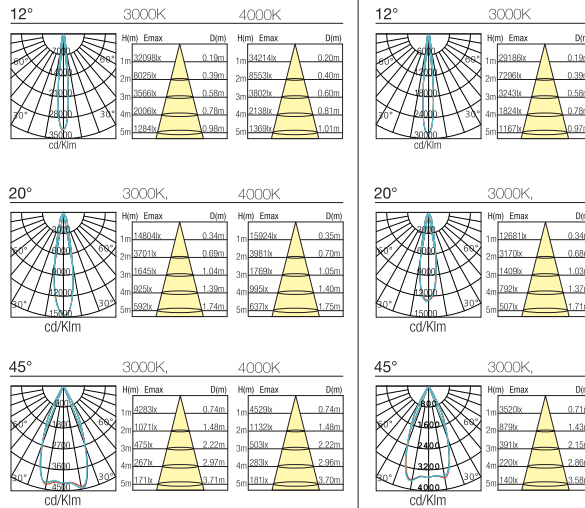
LED & Driver

COB LED:
Typical Voltage: 35V
Current: 540-1380mA

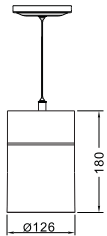
Driver:
Input Voltage: 220-240V AC
Output Current: 700mA
Output Voltage: 30-42V

Weight: 1.8KG

30W	CRI>80			CRI>90	
	LED	Luminaire		LED	Luminaire
Watt	18.7W	29.5W		18.7W	20W
Eingangsstrom	540mA	700mA		540mA	500mA
Lumen	2742lm	2827lm	2867lm	2733lm	2964lm
Lichttemperatur	3000K	4000K	5000K	3000K	3000K
Farbtoleranz	3 SDCM			3 SDCM	
Lebensdauer	>50000Hrs			>50000Hrs	
Abstrahlwinkel	120°			120°	
Typen Leistung	85%			88%	
Lumen pro Watt	147	151	153	121	80



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
40W	>80	▲ 12°	3970 lm	3000K	○
			4282 lm	4000K	○
			4093 lm	5000K	○
		▲ 20°	3995 lm	3000K	○
			4189 lm	4000K	○
			4026 lm	5000K	○
		▲ 45°	3521 lm	3000K	○
			3678 lm	4000K	○
			3940 lm	5000K	○
>90	▲ 12°	3252 lm	3000K	○	
	▲ 20°	3256 lm	3000K	○	
	▲ 45°	2874 lm	3000K	○	



Reflector Cover

(Standard) Clear PC

(Optional) Frosted PC

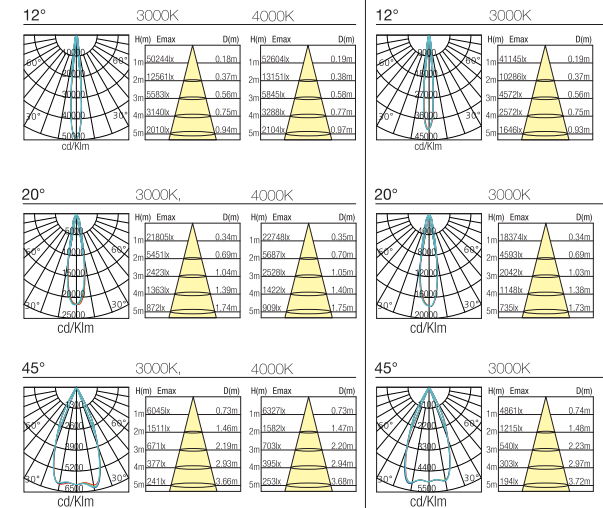
LED & Driver

COB LED:
Typical Voltage: 35V
Current: 720-1840mA

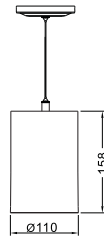
Driver:
Input Voltage: 220-240V AC
Output Current: 1000mA
Output Voltage: 28-40V

Weight: 1.8KG

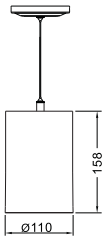
40W	CRI>80			CRI>90	
	LED	Luminaire		LED	Luminaire
Watt	24.9W	41.4W		24.9W	41.4W
Eingangsstrom	720mA	1000mA		720mA	1000mA
Lumen	3586lm	3697lm	3794lm	3970lm	4282lm
Lichttemperatur	3000K	4000K	5000K	3000K	3000K
Farbtoleranz	3 SDCM			3 SDCM	
Lebensdauer	>50000Hrs			>50000Hrs	
Abstrahlwinkel	120°			120°	
Typen Leistung	85%			85%	
Lumen pro Watt	144	148	150	119	78



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
20W	>80	10°	1949 lm	3000K	○
		20°	2179 lm	4000K	○
		38°	2130 lm	4000K	○
	>90	10°	1624lm	3000K	○
		20°	1612 lm	3000K	○
		38°	1603 lm	3000K	○

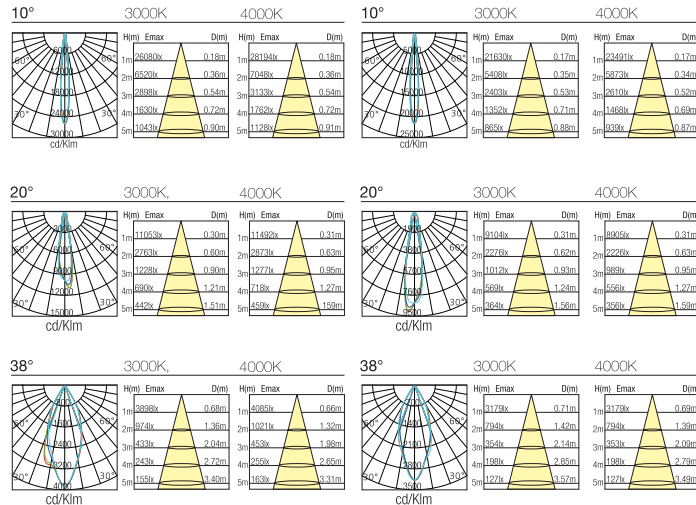


Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
30W	>80	15°	2913 lm	3000K	○
		20°	3130 lm	4000K	○
		2997 lm	5000K	○	
		20°	2804 lm	3000K	○
		3032 lm	4000K	○	
		2872 lm	5000K	○	
		45°	2804 lm	3000K	○
		2906 lm	4000K	○	
		2941 lm	5000K	○	
>90	15°	3029 lm	3000K	○	
	20°	2392 lm	3000K	○	
	45°	2283 lm	3000K	○	



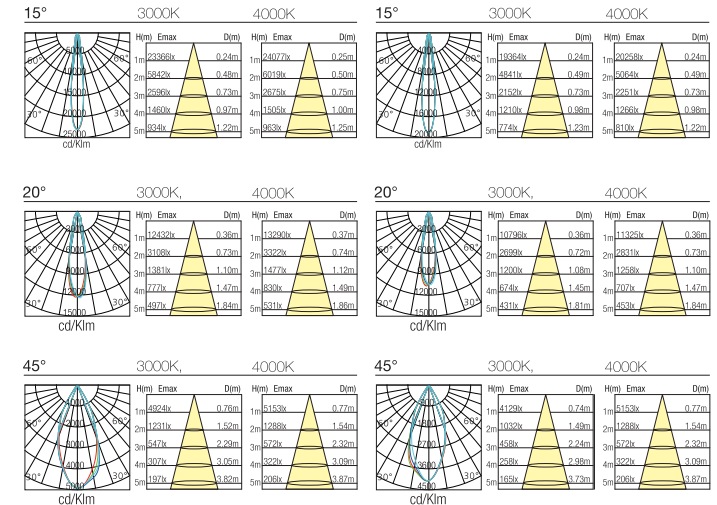
Reflector Cover	LED & Driver
 Frosted PC (Optional)	<p>COB LED: Typical Voltage: 35V Current: 360-920mA</p> <p>Driver: Input Voltage: 220-240V AC Output Current: 500mA Output Voltage: 20-40V Optional Driver size: ≤140x50x32mm</p> <p>Weight: 1.15KG</p>

Watt	CRI>80			CRI>90		
	LED	Luminaire		LED	Luminaire	
20W	12.5W	19.8W		2.5W	19.8W	
	360mA	500mA		360mA	500mA	
	1673lm	1729lm	1754lm	1612lm	1627lm	
	3000K	4000K	5000K	3000K	4000K	
	3 SDCM		3 SDCM		3 SDCM	
	>50,000Hrs		>50,000Hrs		>50,000Hrs	
	120°		10°/20°/38°		120°	
	Typen Leistung		86%		86%	
	Lumen pro Watt	134	139	141	98	107
				111	115	81
				81	82	

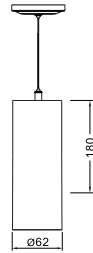


Reflector Cover	LED & Driver
 Frosted PC (Optional)	<p>COB LED: Typical Voltage: 35V Current: 540-1380mA</p> <p>Driver: Input Voltage: 220-240V AC Output Current: 700mA Output Voltage: 30-42V</p> <p>Weight: 1.15KG</p>

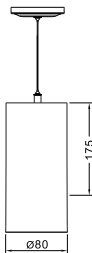
Watt	CRI>80			CRI>90		
	LED	Luminaire		LED	Luminaire	
30W	18.7W	29.5W		18.7W	29.5W	
	540mA	700mA		540mA	700mA	
	2592lm	2677lm	2718lm	2392lm	2549lm	
	3000K	4000K	5000K	3000K	4000K	
	3 SDCM		3 SDCM		3 SDCM	
	>50,000Hrs		>50,000Hrs		>50,000Hrs	
	120°		15°/20°/45°		120°	
	Typen Leistung		85%		86%	
	Lumen pro Watt	139	143	145	95	102
				115	81	86



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse
15W	>80	▲ 16°	1276 lm	3000K	○
		●	1327 lm	4000K	○
		●	1247 lm	3000K	○
		▲ 24°	1275 lm	4000K	○
		●	1195 lm	3000K	○
		●	1643 lm	4000K	○
>90	▲ 16°	▲ 16°	1204 lm	3000K	○
		●	1245 lm	4000K	○
		▲ 24°	1013 lm	3000K	○
		●	971 lm	3000K	○
		▲ 38°	968 lm	3000K	○
		●			



Watt	CRI	Abstrahlwinkel	Lumen	Kelvin	Gehäuse	
20W	>80	▲ 12°	1889lm	3000K	○	
		●	1880 lm	4000K	○	
		●	1874 lm	3000K	○	
		▲ 20°	1850 lm	4000K	○	
		●	1829 lm	3000K	○	
		●	1850 lm	4000K	○	
>90	▲ 12°	▲ 12°	1475 lm	3000K	○	
		●	1466 lm	3000K	○	
		▲ 20°	1442 lm	3000K	○	
		●				
		▲ 38°				
		●				



Reflector Cover

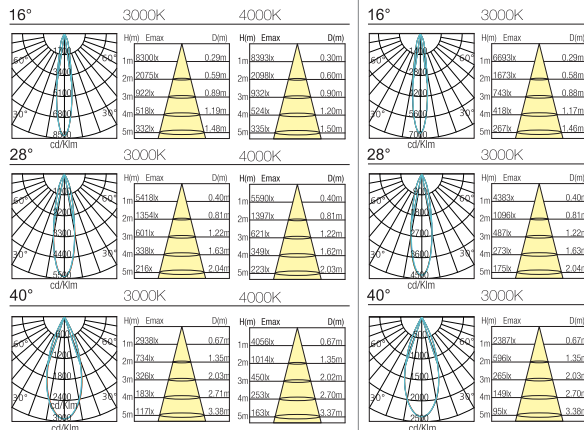
Clear PC (Optional) Frosted Glass (Optional)

LED & Driver

COB LED:
Typical Voltage: 35V
Current: 360-920mA

Driver:
Input Voltage: 220-240V AC
Output Current: 350mA
Output Voltage: 20-40V
Optional Driver size: ≤95x30x25mm

15W	CRI>80		CRI>90	
	LED	Luminaire	LED	Luminaire
Watt	6.2W	13.8W	6.2W	13.8W
Eingangsstrom	180mA	350mA	180mA	350mA
Lumen	836lm 875lm 905lm	1276lm 1327lm	694lm 726lm 751lm	1024lm
Lichttemperatur	2700K 3000K 4000K	3000K 4000K	2700K 3000K 4000K	3000K
Farbtoleranz	3 SDCM		3 SDCM	
Lebensdauer	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs
Abstrahlwinkel	120°	16° 28° 40° 60°	120°	16° 28° 40° 60°
Typen Leistung		86%		86%
Lumen pro Watt	134 140 145	92 96	111 116 120	74



Reflector Cover	CRI>80				CRI>90	
	LED		Luminaire		LED	Luminaire
Clear PC (Optional)	12.5W	19.8W	12.5W	19.8W	12.5W	19.8W
Frosted Glass (Optional)	360mA	500mA	360mA	500mA	500mA	500mA
Lumen	1673lm 1729lm 1754lm	1889lm 1880lm	1389lm 1435lm	1475lm		
Lichttemperatur	3000K 4000K 5000K	3000K 4000K	3000K 4000K	3000K		
Farbtoleranz	3 SDCM		3 SDCM			
Lebensdauer	>50000Hrs	>50000Hrs	>50000Hrs	>50000Hrs		
Abstrahlwinkel	120°	12°/20°/38°	120°	12°/20°/38°		
Typen Leistung		86%		86%		
Lumen pro Watt	134 139 141	95 96	111 115	74		

LED & Driver

COB LED:
Typical Voltage: 35V
Current: 360-920mA

Driver:
Input Voltage: 220-240V AC
Output Current: 350mA
Output Voltage: 22-42V
Optional Driver size: ≤95x30x25mm

