

LED COMFO® Spot Light HP

Datasheet



LED COMFO® Spot Light HP series is the recessed ceiling spot light solution as a replacement for existing inefficient halogen spot light. High power LED lighting with concave stepping cover design provides high brightness yet good glare control. LED COMFO® Spot Light HP series provides flexible power, color temperature and beam angles with adjustable structure to provide the perfect fit lighting for commercial applications.

Benefits

Flexible product options

- 15° / 24° / 40° beam angle options
- 6W / 9W / 18W / 30W power options
- 30° vertical adjustable

Reliability

- Die-casting housing
- Spray finished metal rim provides rich product textures

Quality light

- Best-in-class COB platform provides consistent and even color and brightness
- Concave stepping cover design to offer good glare control
- Highly reflective reflector to offer good light uniformity

Applications

- Merchandise displays
- Commercial buildings
- Retail stores
- Shopping Malls
- Lobbies and corridors

LED COMFO[®] Spot Light HP

Technical Data

Optical Specifications

		6W	9W	18W	30W
Luminous Flux	3000K	472 lm	631 lm	1309 lm	2319 lm
	4000K	505 lm	675 lm	1400 lm	2480 lm
	5700K	538 lm	719 lm	1491 lm	2641 lm
Efficacy	3000K	79 lm/W	70 lm/W	73 lm/W	77 lm/W
	4000K	84 lm/W	75 lm/W	78 lm/W	83 lm/W
	5700K	90 lm/W	80 lm/W	83 lm/W	88 lm/W
CCT		3000K, 4000K, 5700K			
CRI		80			
SDCM	3000K, 4000K	3			
Beam Angle		15°, 24°, 40°			

Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz				
Power Consumption	6W	9W	18W	30W	
Power Factor	0.9	0.95	0.95	0.95	
Surge Protection	Line-to-line 0.5KV	Line-to-line 0.5KV	Line-to-line 0.5KV	Line-to-line 1KV	
Dimensions	Diameter	77mm	91mm	111mm	140mm
	Height	59mm	65mm	85mm	106mm
Weight	0.15kg	0.26kg	0.4kg	0.68kg	
Cover Lens	PC reflector and aluminium plating				
Housing	Die-casting aluminium housing, black				

System Specifications

Power	AC line				
Dimmable	ON/OFF only				
Installation	Recessed mounting				
Mounting Hole	Diameter	68mm	75mm	95mm	120mm
Suitable Ceiling Thickness	2-20mm				
Operating Temperature	-20°C to +40°C				
Storage Temperature	-30°C to +80°C				
Environment	Indoor (IP20)				
Lumen Maintenance	L70 @25°C - 25,000hrs				
Safety Approval	Electrical Protection Class II, CB, CCC, RoHS				

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

12/16 V1.0 · Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

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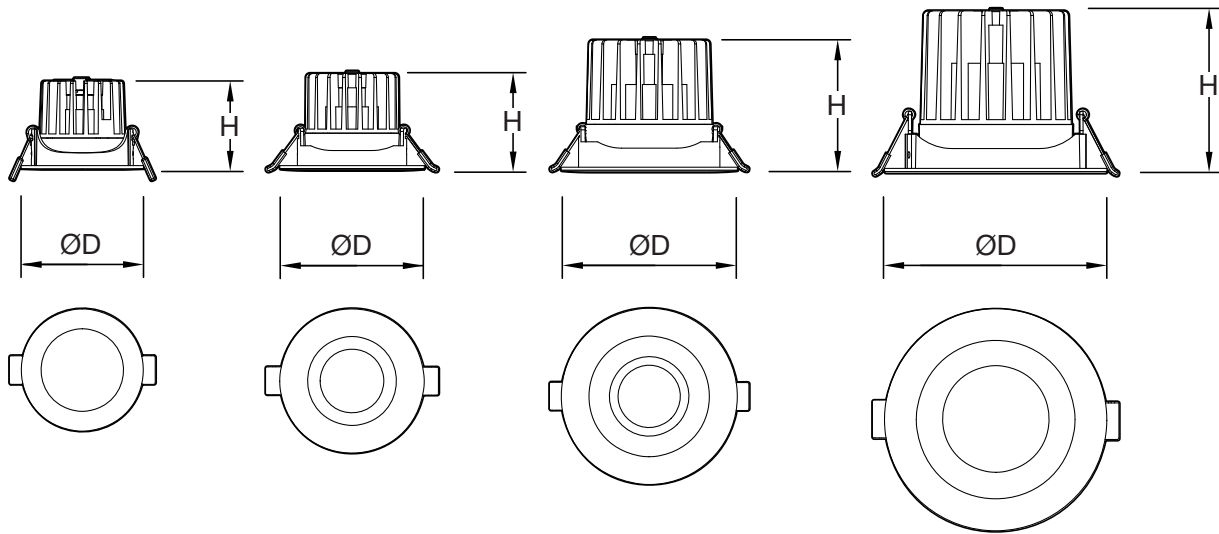
Dimensions

6W

9W

18W

30W

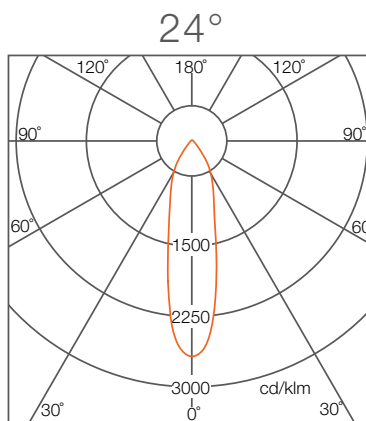
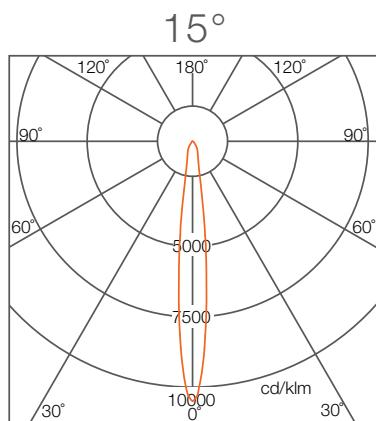


Dimensions

	6W	9W	18W	30W
ØD	77mm	91mm	111mm	140mm
H	59mm	65mm	85mm	106mm

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Photometrics Light Distribution Curve



Illuminance at a distance

	Center Beam Lux/klm	Beam Width
0.5m	41473	0.11m
1m	10368	0.21m
1.5m	4608	0.32m
2m	2592	0.42m
2.5m	1659	0.53m
3m	1152	0.63m

For feet multiply by 3.28

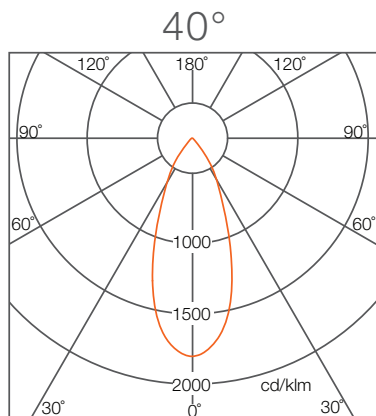
● Spread: 12°
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width
0.5m	10524	0.23m
1m	2631	0.45m
1.5m	1169	0.68m
2m	658	0.91m
2.5m	421	1.14m
3m	292	1.36m

For feet multiply by 3.28

● Spread: 25.6°
For fc divide by 10.7

Light Distribution Curve



Illuminance at a distance

	Center Beam Lux/klm	Beam Width
0.5m	7234	0.36m
1m	1809	0.73m
1.5m	804	1.09m
2m	452	1.46m
2.5m	289	1.82m
3m	201	2.18m

For feet multiply by 3.28

● Spread: 40°
For fc divide by 10.7

Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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Ordering Codes

Fixture

Short Text	Power	CCT	Beam Angle	Material	EAN10	EAN40
LED COMFO SL HP 6W 830 15D 48X1 OSRAM	6W	3000K	15°	AM039950055	4052899479227	4052899479234
LED COMFO SL HP 6W 840 15D 48X1 OSRAM	6W	4000K	15°	AM039960055	4052899479241	4052899479258
LED COMFO SL HP 6W 857 15D 48X1 OSRAM	6W	5700K	15°	AM039970055	4052899479265	4052899479272
LED COMFO SL HP 6W 830 24D 48X1 OSRAM	6W	3000K	24°	AM039980055	4052899479289	4052899479296
LED COMFO SL HP 6W 840 24D 48X1 OSRAM	6W	4000K	24°	AM039990055	4052899479302	4052899479319
LED COMFO SL HP 6W 857 24D 48X1 OSRAM	6W	5700K	24°	AM040000055	4052899479326	4052899479333
LED COMFO SL HP 6W 830 40D 48X1 OSRAM	6W	3000K	40°	AM040010055	4052899479340	4052899479357
LED COMFO SL HP 6W 840 40D 48X1 OSRAM	6W	4000K	40°	AM040020055	4052899479364	4052899479371
LED COMFO SL HP 6W 857 40D 48X1 OSRAM	6W	5700K	40°	AM040030055	4052899479388	4052899479395
LED COMFO SL HP 9W 830 15D 48X1 OSRAM	9W	3000K	15°	AM040040055	4052899479401	4052899479418
LED COMFO SL HP 9W 840 15D 48X1 OSRAM	9W	4000K	15°	AM040050055	4052899479425	4052899479432
LED COMFO SL HP 9W 857 15D 48X1 OSRAM	9W	5700K	15°	AM040060055	4052899479449	4052899479456
LED COMFO SL HP 9W 830 24D 48X1 OSRAM	9W	3000K	24°	AM040070055	4052899479463	4052899479470
LED COMFO SL HP 9W 840 24D 48X1 OSRAM	9W	4000K	24°	AM040080055	4052899479487	4052899479494
LED COMFO SL HP 9W 857 24D 48X1 OSRAM	9W	5700K	24°	AM040090055	4052899479500	4052899479517
LED COMFO SL HP 9W 830 40D 48X1 OSRAM	9W	3000K	40°	AM040100055	4052899479524	4052899479531
LED COMFO SL HP 9W 840 40D 48X1 OSRAM	9W	4000K	40°	AM040110055	4052899479548	4052899479555
LED COMFO SL HP 9W 857 40D 48X1 OSRAM	9W	5700K	40°	AM040120055	4052899479562	4052899479579
LED COMFO SL HP 18W 830 15D 36X1 OSRAM	18W	3000K	15°	AM040130055	4052899479586	4052899479593
LED COMFO SL HP 18W 840 15D 36X1 OSRAM	18W	4000K	15°	AM040140055	4052899479609	4052899479616
LED COMFO SL HP 18W 857 15D 36X1 OSRAM	18W	5700K	15°	AM040150055	4052899479623	4052899479630
LED COMFO SL HP 18W 830 24D 36X1 OSRAM	18W	3000K	24°	AM040160055	4052899479647	4052899479654
LED COMFO SL HP 18W 840 24D 36X1 OSRAM	18W	4000K	24°	AM040170055	4052899479661	4052899479678
LED COMFO SL HP 18W 857 24D 36X1 OSRAM	18W	5700K	24°	AM040180055	4052899479685	4052899479692
LED COMFO SL HP 18W 830 40D 36X1 OSRAM	18W	3000K	40°	AM040190055	4052899479708	4052899479715
LED COMFO SL HP 18W 840 40D 36X1 OSRAM	18W	4000K	40°	AM040200055	4052899479722	4052899479739
LED COMFO SL HP 18W 857 40D 36X1 OSRAM	18W	5700K	40°	AM040210055	4052899479746	4052899479753
LED COMFO SL HP 30W 830 15D 24X1 OSRAM	30W	3000K	15°	AM040220055	4052899479760	4052899479777
LED COMFO SL HP 30W 840 15D 24X1 OSRAM	30W	4000K	15°	AM040230055	4052899479784	4052899479791
LED COMFO SL HP 30W 857 15D 24X1 OSRAM	30W	5700K	15°	AM040240055	4052899479807	4052899479814
LED COMFO SL HP 30W 830 24D 24X1 OSRAM	30W	3000K	24°	AM040250055	4052899479821	4052899479838
LED COMFO SL HP 30W 840 24D 24X1 OSRAM	30W	4000K	24°	AM040260055	4052899479845	4052899479852
LED COMFO SL HP 30W 857 24D 24X1 OSRAM	30W	5700K	24°	AM040270055	4052899479869	4052899479876
LED COMFO SL HP 30W 830 40D 24X1 OSRAM	30W	3000K	40°	AM040280055	4052899479883	4052899479890
LED COMFO SL HP 30W 840 40D 24X1 OSRAM	30W	4000K	40°	AM040290055	4052899479906	4052899479913
LED COMFO SL HP 30W 857 40D 24X1 OSRAM	30W	5700K	40°	AM040300055	4052899479920	4052899479937