



PHILIPS

MASTER LEDspot

ExpertColor



**Create
the perfect
ambience for
every space**

MASTER LEDspot ExpertColor features
a light spectrum similar to halogens,
for a true color experience.

Create beautiful experiences with light

Our MASTER LEDspots with ExpertColor technology are designed to create the perfect mood for every experience. With deep dimming and a light spectrum that's similar to halogens, installers and lighting designers can customize their lighting designs to create the perfect ambience for every space – from cool and precise to warm and comfortable. The perfect solution for every setting in hotels, shops, meeting rooms, restaurants, museums and more.

ExpertColor features



Customized light spectrum
similar to halogen



Best-in-class color
realization, CRI97



Deep and smooth
dimming, below 5%



Energy savings
up to 85%



True colors



1:1 replacement

Color to match your mood

Now you can match the true light spectrum of halogens to make spaces bright, vivid and refreshing. Perfect color saturation and an enhanced red spectrum make for a warmer, richer light and vivid reds, creating a truly comfortable ambience.

Dim to the exact light level

You get deep dimming (to below 5%) for the exact light level you need and improved dimmer compatibility. There's no visible flicker either, giving your customers smooth and constant light for exceptionally comfortable viewing.

Hassle-free replacement

The spots are suitable for 1:1 replacement of halogen lamps making relamping easy and hassle free. Lifetime is 40,000 hours with little lumen depreciation, which makes the ExpertColor range an excellent choice for professional “long-life” applications.

Innovative, trimless design with V-groove lens

The trimless V-groove lens has a neat, clean look to suit every interior design. It has an attractive glass (rather than plastic) “look and feel” cover with a clear Color Over Angle and clear beam. The lens design gives a perfect spot beam for any decor.

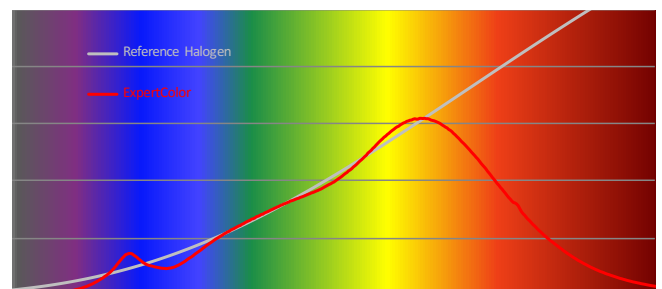


ExpertColor

Experience perfect color with our new phosphor technology

ExpertColor's advanced phosphors offer superb light quality with halogen-like color realization. This provides high color fidelity, with a rendering index of 97, and high color saturation (close to 100%) with great rendering of reds ($R9 > 85$).

So you can bring out the true colors of furnishings and interior decors for even more appeal. The result is a warm ambience that was until now only possible with traditional halogen lamps.



The ExpertColor spectrum is **93.9%** the same as halogen light color (standard LEDs offer only around 60%).

Creating the right atmosphere — everywhere

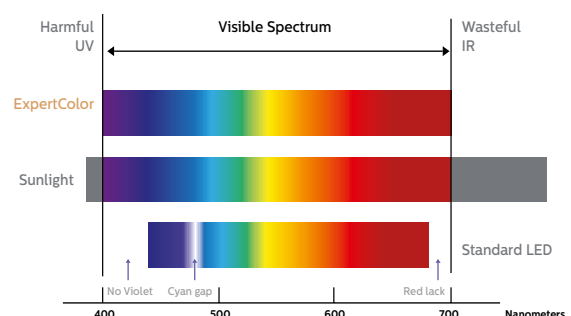


Whether you're lighting a dining room, a bedroom or a meeting room, the light has to be right. Philips ExpertColor technology provides a customized spectrum that is IP protected, guaranteeing you true halogen-like color for exactly the right atmosphere.

Choose 2700K for a warm and cozy halogen effect that's ideal for restaurants or bars, homes and guest rooms. The deep, flicker-free dimming creates a real sense of intimacy. Or select 3000K (white) or 4000K (cool white) types for modern interiors and reception desks, or business areas offering an accurate work environment.

Matching the exact halogen lamp spectrum means that the colors of your furniture, paintings, wall coverings, curtains and floors

will stay the way your interior designer intended. The exceptional CRI of 97 makes for natural color reproduction, with ExpertColor ensuring the perfect ambience for every room and every space.





Hotels

Where **atmosphere** matters

Create beautiful guest experiences with Philips ExpertColor, thanks to its customized spectrum, high CRI, and deep dimming feature. It emphasizes the texture and colors of your carefully chosen furnishings, floors and fabrics. So you can make rooms and spaces even more luxurious and attractive. Now you can have the perfect ambience everywhere, from the guest rooms to the hotel restaurants.

Shops

Where **attraction** matters

Whether you're selling food, fashion, cosmetics, household goods or furniture, warm attractively-lit shop windows entice people into the store while cooler clear lighting leads your customers to the products they want. You'll also need versatile illumination for changing displays, entrances and checkouts, and to highlight the vivid colors of the products themselves. Pay attention to color rendering and color temperature for displaying clothes and other colorful items.





Museums

Where **design** matters

Warm background lights can set the mood of the exhibition space, and draw people in to view the exhibits themselves. Contrast the exhibits with cooler light for a more precise, modern look and to show up the colors and textures of exhibits. LEDs don't generate IR or UV light, so they're much safer than halogen lights for lighting exhibits like delicate textiles, paintings, photographs, prints and drawings.

Meeting rooms

Where **productivity** matters

Good light levels and high CRI give the best visibility for productive working in conference and meeting rooms. Carefully designed glare-free and flicker-free lighting will help people concentrate. The lighting scheme should be versatile to meet the differing needs of presentations, workshops, round-table discussions and one-to-one talks. Presentations may need precise dimming but with enough light for note taking.





Restaurants

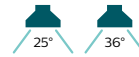
Where **ambience** matters

Attractive ambient lighting welcomes people into restaurants and bars, and helps them relax, recharge and socialize. Customers will stay longer too. The design will have to meet differing requirements during the day and evening times. You'll need bright, natural light in the working areas: for food preparation in the kitchen and to show everything on offer behind the bar.

Technical specifications



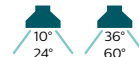
MASTER LEDspot ExpertColor 3.9-35W / 5.5-43W



Product type	LED	Traditional	Color temperature	Lumen output	Beam intensity	Beam angle	Voltage	CRI	EOC
MASTER LEDspot MV	W	W	K	lm	cd	°	V		8718696
ExpertColor 3.9-35W GU10 927 25D	3,9	35	2700	265	700	25D	220-240V	97	70749400
ExpertColor 3.9-35W GU10 930 25D	3,9	35	3000	280	750	25D	220-240V	97	70751700
ExpertColor 3.9-35W GU10 940 25D	3,9	35	4000	300	800	25D	220-240V	97	70753100
ExpertColor 3.9-35W GU10 927 36D	3,9	35	2700	265	540	36D	220-240V	97	70755500
ExpertColor 3.9-35W GU10 930 36D	3,9	35	3000	280	560	36D	220-240V	97	70757900
ExpertColor 3.9-35W GU10 940 36D	3,9	35	4000	300	600	36D	220-240V	97	70759300
ExpertColor 5.5-50W GU10 927 25D	5,5	50	2700	355	1000	25D	220-240V	97	70761600
ExpertColor 5.5-50W GU10 930 25D	5,5	50	3000	375	1000	25D	220-240V	97	70763000
ExpertColor 5.5-50W GU10 940 25D	5,5	50	4000	400	1050	25D	220-240V	97	70765400
ExpertColor 5.5-50W GU10 927 36D	5,5	50	2700	355	800	36D	220-240V	97	70767800
ExpertColor 5.5-50W GU10 930 36D	5,5	50	3000	375	800	36D	220-240V	97	70769200
ExpertColor 5.5-50W GU10 940 36D	5,5	50	4000	400	850	36D	220-240V	97	70771500



MASTER LEDspot LV ExpertColor 6.5-35W / 7.5-43W



Product type	LED	Traditional	Color temperature	Lumen output	Efficacy	Beam angle	Voltage	CRI	EOC
MASTER LEDspot MV	W	W	K	lm		°	V		8718696
ExpertColor 6.5-35W MR16 927 60D	6,5	35	2700	430	61,5	60	220-240V	97	75751200
ExpertColor 6.5-35W MR16 927 10D	6,5	35	2700	450	63	10	220-240V	97	73871900
ExpertColor 6.5-35W MR16 930 10D	6,5	35	3000	470	66,2	10	220-240V	97	73873300
ExpertColor 6.5-35W MR16 927 36D	6,5	35	2700	450	64,6	36	220-240V	97	73883200
ExpertColor 6.5-35W MR16 930 36D	6,5	35	3000	470	67,7	36	220-240V	97	73885600
ExpertColor 6.5-35W MR16 940 36D	6,5	35	4000	490	70,8	36	220-240V	97	73887000
ExpertColor 6.5-35W MR16 940 10D	6,5	35	4000	490	67,7	10	220-240V	97	73875700
ExpertColor 6.5-35W MR16 927 24D	6,5	35	2700	450	64,6	24	220-240V	97	73877100
ExpertColor 6.5-35W MR16 930 24D	6,5	35	3000	470	67,7	24	220-240V	97	73879500
ExpertColor 6.5-35W MR16 940 24D	6,5	35	4000	490	70,8	24	220-240V	97	73881800
ExpertColor 6.5-35W MR16 930 60D	6,5	35	3000	480	67,7	60	220-240V	97	75753600
ExpertColor 6.5-35W MR16 940 60D	6,5	35	4000	480	67,7	60	220-240V	97	75755000
ExpertColor 7.5-43W MR16 927 24D	7,5	43	2700	490	64,7	24	220-240V	92	73538100
ExpertColor 7.5-43W MR16 930 24D	7,5	43	3000	530	66,7	24	220-240V	92	73540400
ExpertColor 7.5-43W MR16 940 24D	7,5	43	4000	560	69,3	24	220-240V	92	73542800
ExpertColor 7.5-43W MR16 927 36D	7,5	43	2700	490	64,7	36	220-240V	92	73544200
ExpertColor 7.5-43W MR16 930 36D	7,5	43	3000	530	66,7	36	220-240V	92	73546600
ExpertColor 7.5-43W MR16 940 36D	7,5	43	4000	560	69,3	36	220-240V	92	73548000



Please refer to the site www.philips.com/masterledlamps for the latest information about dimming MASTER LEDlamps and about transformer compatibility.



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