rosco

OPTI-FLECS filters represent the next generation of lighting control filters from Rosco. Intended specifically for use with LED light fixtures, this range of 21 semi-rigid plastic filters enhances the quality of solid-state lighting - sources that are typically less flattering and more difficult to properly control and shape. The OPTI-FLECS palette is comprised of diffusions and beam control filters to soften or shape the light output. In addition, a family of color corrections, tints and neutral density filters target specific spectral spikes and result in a more pleasing color quality. Taken together, the OPTI-FLECS range provides lighting professionals with the solutions they need for virtually any LED lighting application.

BENEFITS

- Reduce glare and harsh shadows created by directional LED sources.

- Soften output to eliminate multiple shadows typical of fixtures using LED arrays

- Highly efficient beam shaping filters serve as lens solutions shaping and spreading light in a predicatble pattern.

- Correct distorted beam pattern produced by some LED fixtures

- Lessen the impact of the blue and green spike common-ly found in cool white LED sources. Especially useful in broadcast and photographics applications

- Enhance skin tones or add warmth and richness on lit objects

- Color frame unnecessary in most instances

SPECIFICATIONS

Color Palette	21 Filters (8 beam shaping diffusions + 13 color correction filters and tints
	Custom colors available. POA
Standard Dimensions	60x60cm (23.6"x23.6") 30x30cm (11.81"x11.81") Custom sizes and shapes available. POA
Thickness	Nominal 10mil-13mil thick (250um - 330um)
Substrate	Polyester
Cutting	Hand held with scissors or matte knife Suitable for die cutting and laser cutting
Optimal Working Temperature Range	-35°F - 240°F (-37.2°C – 115.6°C)

PRODUCT USAGE GUIDELINES

For use on low heat sources only
OPTI-FLECS is intended for use on low-heat LED sources only and is not suitable for use on high heat fixtures. Opti-FLECS filters are designed to be installed externally and are not intended to be used as an internal fixture component where higher operating temperatures may be present

LED Installation
OPTI-FLECS is intended for use as an external accessory for LED fixtures. It should not be installaed as an internal component in direct contact or immediate proximity to LED boards or emitters. Sufficient distance should be maintained from the surface of LED emitter to prevent color migration from intense photonic energy. Minimum distance is 3/4in (18mm) but may vary with wavelength and power output of the specific LED. Test for best performance.

STANDARD COLORS AND DIFFUSIONS

Name	Min Stop	Transmission
OPTI-FLECS 9101 - Smoothing Frost	0.5 stop	N/A
OPTI-FLECS 9106 - Powder Frost	0.5 stop	N/A
OPTI-FLECS 9116 - Double Hamburg Frost	0.2 stop	N/A
OPTI-FLECS 9121 - Silk	0.3 stop	N/A
OPTI-FLECS 9201 - Soft Pink Tint	1.0 stop	N/A
OPTI-FLECS 9206 - Soft Rouge	0.8 stop	N/A
OPTI-FLECS 9211 - Soft Amber	0.7 stop	N/A
OPTI-FLECS 9216 - ND Frost	2.0 stop	N/A
OPTI-FLECS 9301 - Barely Minus Green	0.3 stop	79.30%
OPTI-FLECS 9306 - 1/4 Minus Green	0.4 stop	72.50%
OPTI-FLECS 9311 - 1/2 Minus Green	0.5 stop	63.70%
OPTI-FLECS 9316 - Rouge	0.7 stop	60.60%
OPTI-FLECS 9321 – Blushed	0.5 stop	65.70%
OPTI-FLECS 9326 - Barely Bronze	0.4 stop	74.50%
OPTI-FLECS 9331- Warm Bronzer	0.9 stop	55.70%
OPTI-FLECS 9406 - Bastard Amber	0.4 stop	68.70%
OPTI-FLECS 9411 - 1/4CTO	0.4 stop	74%
OPTI-FLECS 9416 - 1/2CTO	0.5 stop	63.50%
OPTI-FLECS 9421 - Golden Bronzer	0.7 stop	59.90%
OPTI-FLECS 9501 - .3ND	1.1 stop	44.60%
OPTI-FLECS 9506 - .6ND	2.1 stop	22.60%

STANDARD ORDER INFORMATION

107 - 8XXXX (4 digit product code) – YYYY (1060 for 10mil 60cm square 1030 for 10mil 30cm square)
eg: 107-89326-1030 Barely Bronze 30cm x 30cm

SPECIFYING CUSTOM OPTI-FLECS FILTERS

OPTI-FLECS filters can be customized to different thickness and different colors, upon request. Minimum order quantity and pricing to be determined.

Material Thickness Options
10mil - nominal 10mil-13mil (250um - 330um)
30mil - nominal 30mil-33mil (762um - 838um)
Other substrates available. Contact Roso for details

Color Specifications
Custom color may be selected from among Rosco's gel filter ranges - Roscolux, Cinegel, GamColor and E-Colour. Some colors may not be suitable. Contact Rosco for details.

Minimum Order Quantity
A minimum of 100 sq feet (9.3 sq m) per color.
Material can be cut to specifications, additional charges will apply.
Lead times vary based on production demands. Contact Rosco for details.