

HOYA

PHOTOGRAPHIC
FILTER

COATED.
























- *MADE OF THE SAME OPTICAL GLASS AS PHOTOGRAPHIC LENS.
- *POLISHED TO THE SAME ACCURACY AS PHOTOGRAPHIC LENS.
- *ABSORPTION QUALITY (COLOR) DOES NOT CHANGE.

FOR STILL BETTER PHOTOGRAPHIC EFFECTS, USE HOYA POLARIZING FILTER.

HOYA GLASS WORKS, LTD.
TOKYO, JAPAN.


PRINTED IN JAPAN.

FOR COLOR FILM

		DAYLIGHT	MORN & EVE	CLOUDY	CLEARFLASH	PHOTOFLOOD (3400°K)	PHOTOFLOOD (3200°K)	ELECTRONIC FLASH
								
FILM	FILTER							
TYPE D	FILTER	1A or UV	D-  (B2A)	D-  (B1A)	D-  (B0C)	D-  (B0B)		D-  (B1A)
	E.M.		1.2	1.5	3.5	2.0		1.5
TYPE A	FILTER	A-  (B5)		B-  (B5B)	A-  (B1C)	NO FILTER	D-  (B2A)	
	E.M.	2.5		3.0	1.8		1.2	
TYPE B	FILTER	B-  (B5B)	A-  (B5)		D-  (B1A) A-  (B1C)	D-  (B1A)	NO FILTER	
	E.M.	3.0	2.5					
TYPE F	FILTER	F-  (B5C)		A-  (B5)	NO FILTER			
	E.M.	2.0		2.5				

HOW TO USE THIS TABLE

USE THE FILTER IN THE SECTION WHERE YOUR FILM AND LIGHT SOURCE CROSS.

EXAMPLE: USE A- (B5) FILTER IF YOUR FILM IS TYPE A AND LIGHT SOURCE DAYLIGHT.

E.M. IS SHORT FOR EXPOSURE MAGNIFICATION. MULTIPLY NORMAL SHUTTER SPEED BY E.M. VALUE OR INCREASE THE APERTURE.

EXAMPLE: IF NORMAL EXPOSURE IS 1/100TH F:11 AND THE E.M. VALUE 2.0, EXPOSE AT 1/50TH F:11 OR 1/100TH F:8.

FOR BLACK & WHITE

FILTER NO	EFFECT OF FILTER	EXPOSURE MAGNIFICATION			
		BTYPE FILM		CTYPE FILM	
		DAY LIGHT	ART. LIGHT	DAY LIGHT	ART. LIGHT
Y (K2)	Renders a good tonal interpretation and gives about correct contrast between blue sky with clouds and ground.	2	1.5	2	1.5
O (G)	Renders a strong contrast between red and yellow colors.	3	2	2.5	2
G (X1)	Lightens Foliage in sunlight. Effective for gardens with multicolored flowers, also portraiture in soft sunlight.	4	3	5	4
UV (O)	Absorbs ultra-violet radiation without increase of exposure, eliminating foginess. Constant use to protect lens is recommended.	1	1	1	1
SKYLIGHT (1A)	"All-purpose" filter. Effectively absorbs ultraviolet rays, rendering natural color balance.	1	1	1	1
R (25A)	With infra-red filter gives partial infra-red effects for outdoor scenes.	8	4	6	3
ND×4	N.D. (neutral density) filters reduce only the amount of light without affecting color rendition of subject, which is important in photography. ND×4 reduces amount of light to a quarter (25%) and ND×8 to 1/8th (12.5%).	4	4	4	4
ND×8		8	8	8	8

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