

FLORENTINA-1-D

~18° diffused spot beam

SPECIFICATION:

Dimensions	39.7 x 39.7 mm
Height	13 mm
Fastening	tape
ROHS compliant	yes ⓘ

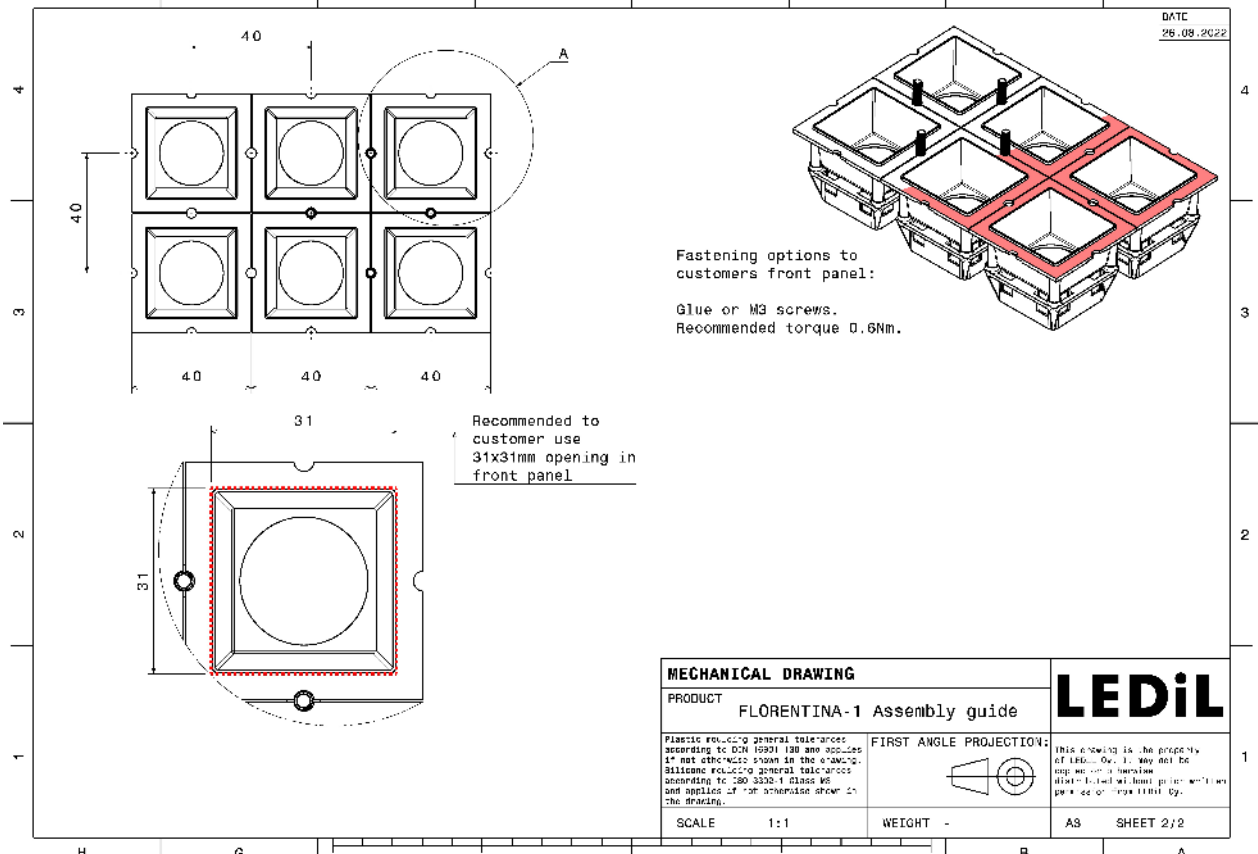
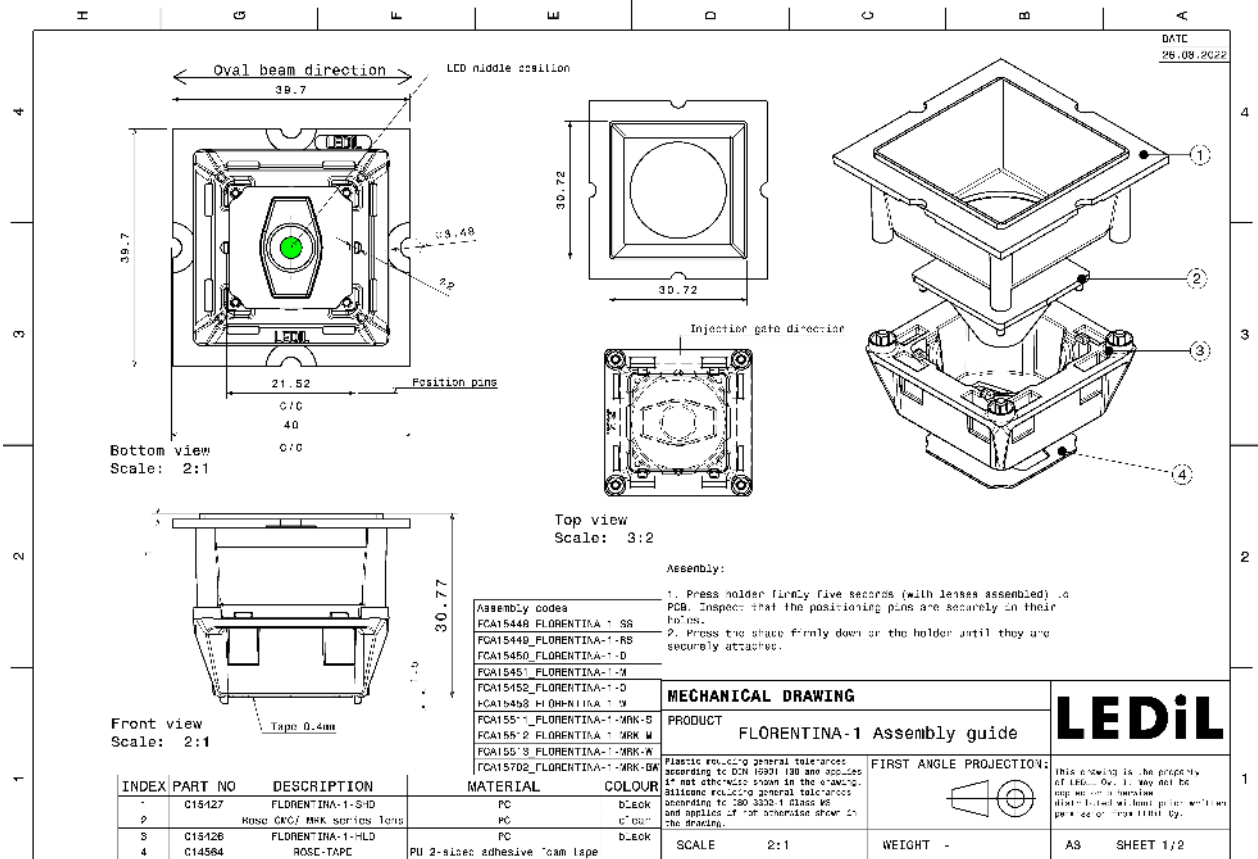
MATERIALS:

Component	Type	Material	Colour	Finish
ROSE-CMC-D	Single lens	PC	clear	
FLORENTINA-1-HLD	Holder	PC	black	
ROSE-TAPE	Tape	Acrylic foam	black	





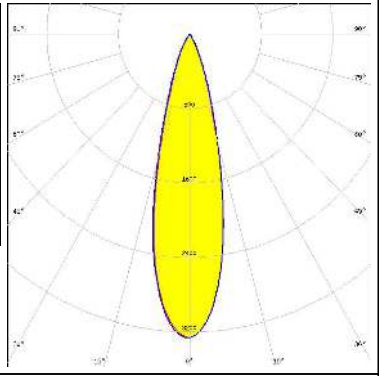


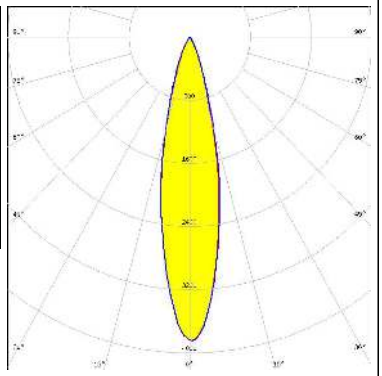


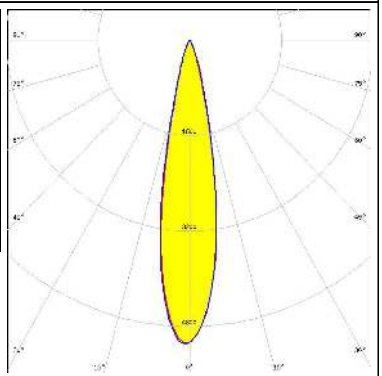


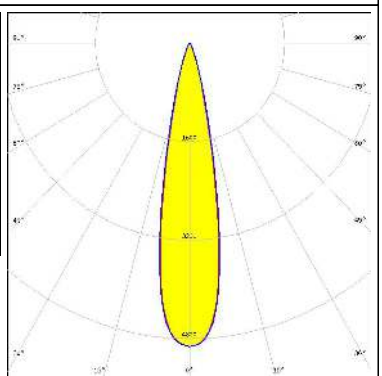
ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FCA15450_FLORENTINA-1-D	Single lens	840		60	7.9
» Box size: 480 x 280 x 300 mm					



See also our general installation guide: www.ledil.com/installation_guide

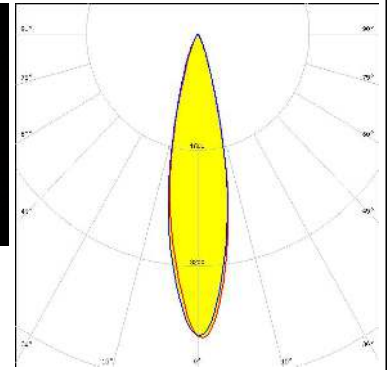
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED Bridgelux SMD 5050</p> <p>FWHM / FWTM 26.0° / 48.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 3.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p> C15427_FLORENTINA-1-SHD-60</p>		
<p></p> <p>LED XHP35 HD</p> <p>FWHM / FWTM 23.0° / 45.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 3.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p> C15427_FLORENTINA-1-SHD-60</p>		
<p></p> <p>LED XHP35 HI</p> <p>FWHM / FWTM 21.0° / 37.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 5.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p></p> <p>LED XP-G2</p> <p>FWHM / FWTM 21.0° / 37.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 5.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p> C15427_FLORENTINA-1-SHD-60</p>		

OPTICAL RESULTS (MEASURED):

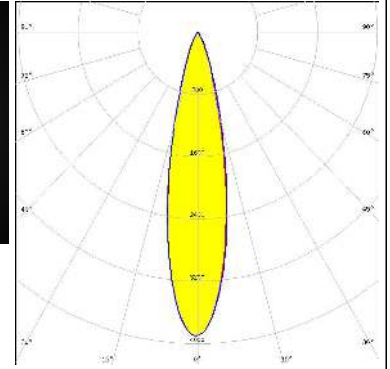
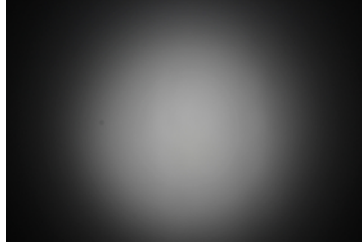
CREE LED

LED XP-L HD
 FWHM / FWTM 23.0° / 42.0°
 Efficiency 76 %
 Peak intensity 4.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



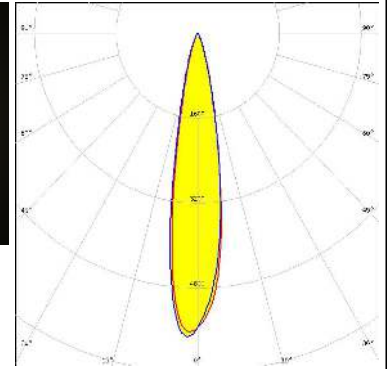
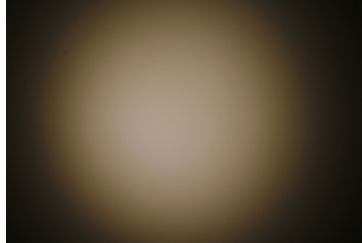
CREE LED

LED XP-L2
 FWHM / FWTM 23.0° / 44.0°
 Efficiency 75 %
 Peak intensity 3.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



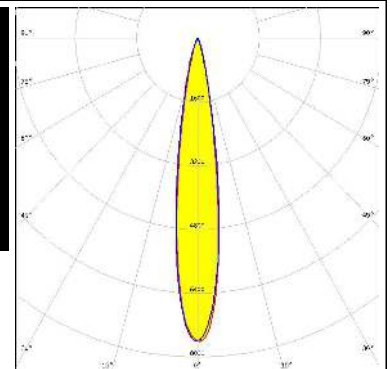
CREE LED

LED XT-E
 FWHM / FWTM 18.0° / 35.0°
 Efficiency 76 %
 Peak intensity 5.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60

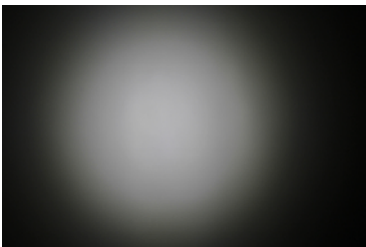
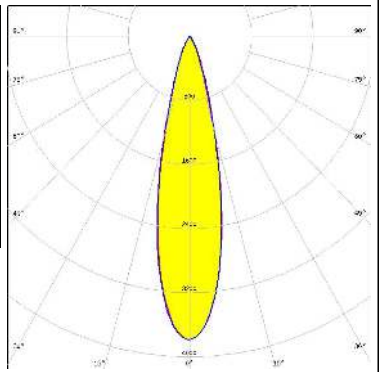

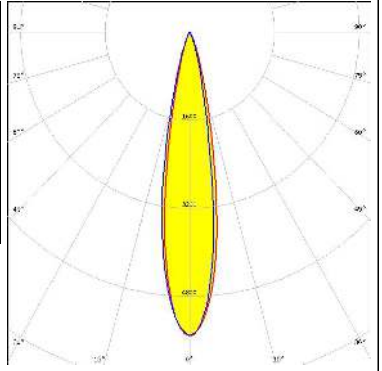

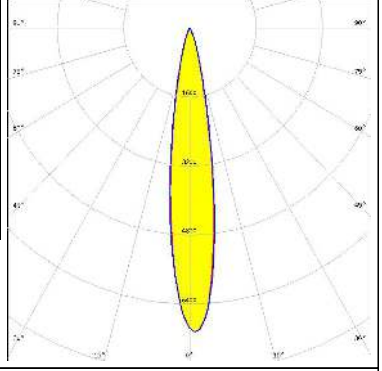

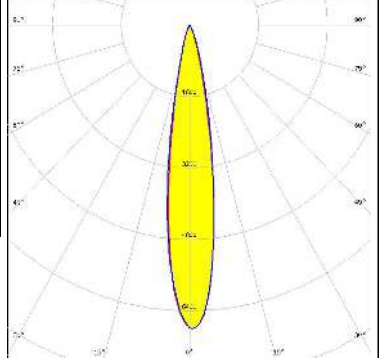


LUMILEDS

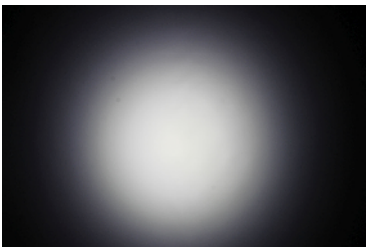
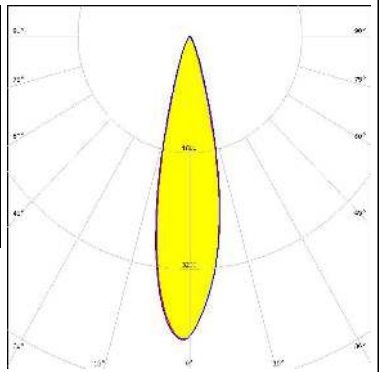
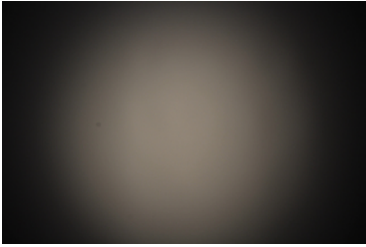
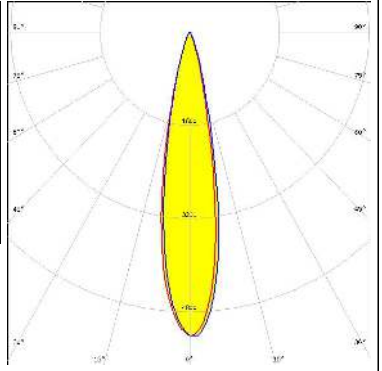

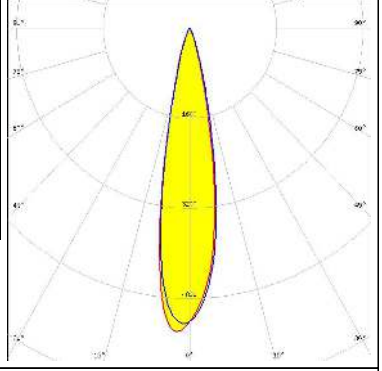

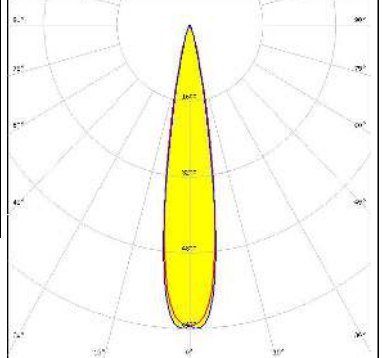
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 16.0° / 31.0°
 Efficiency 79 %
 Peak intensity 7.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 24.0° / 45.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 3.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>LUMILEDS</p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 19.0° / 36.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 5.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>NICHIA</p> <p>LED NF2x757G</p> <p>FWHM / FWTM 17.0° / 33.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 7.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>NICHIA</p> <p>LED NF2x757G</p> <p>FWHM / FWTM 18.0° / 34.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 6.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16701_FLORENTINA-1-SHD-60-WHT</p>		

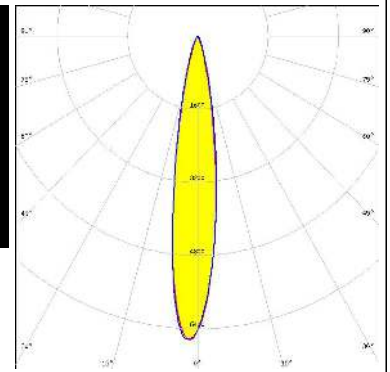
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 24.0° / 42.0° Efficiency 79 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 20.0° / 37.0° Efficiency 78 % Peak intensity 5.2 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM Square CSSRM2/CSSRM3 FWHM / FWTM 20.0° / 36.0° Efficiency 79 % Peak intensity 5.4 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM SSL 150 FWHM / FWTM 18.0° / 32.0° Efficiency 77 % Peak intensity 6.6 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		

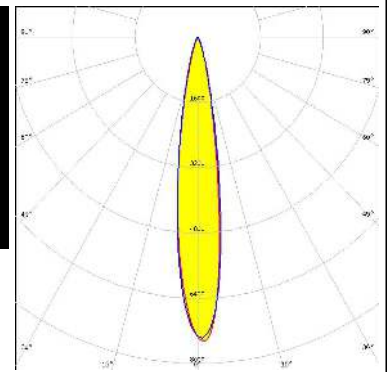
OPTICAL RESULTS (MEASURED):

SAMSUNG

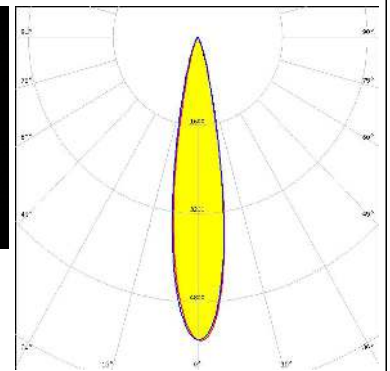
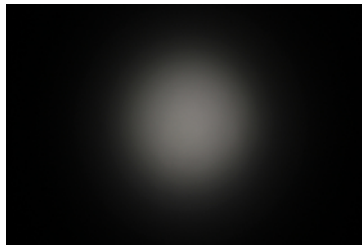
LED LM561B
 FWHM / FWTM 17.0° / 34.0°
 Efficiency 80 %
 Peak intensity 6.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



SEOUL SEMICONDUCTOR
 LED SEOUL 5630
 FWHM / FWTM 16.0° / 33.0°
 Efficiency 82 %
 Peak intensity 7.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



SEOUL SEMICONDUCTOR
 LED Z8Y22P
 FWHM / FWTM 19.0° / 35.0°
 Efficiency 75 %
 Peak intensity 5.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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