Christie MicroTiles LED

Indoor LED tiles
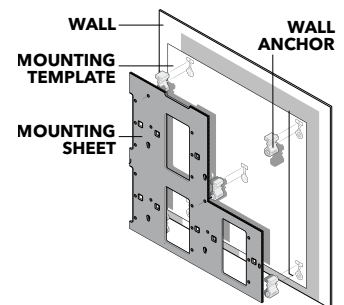

Technical specification		1.0mm (Series 80)	0.75mm (Series 60)
Display technology	pixel pitch	• 1.0mm	• 0.75mm
	pixel configuration	• 3 LED diodes in 1 package (1R1G1B)	• 4 pixels in 1 package (4R4G4B)
	maximum calibrated brightness	• 1500 nits (cd/m²) calibrated	• 2000 nits (cd/m²) calibrated
	aspect ratio	• 8:9	
	contrast ratio (full field)	• Greater than 9500:1	• Greater than 10000:1
	viewing angle	• 160° H, 140° V	
	LED refresh rate	• Up to 3840 Hz	
	input refresh rate	• 120 Hz	
	scan rate	• 1/15	• 1/60
	color temperature	• 2700-9600K	
	display colors	• 18 quadrillion (18-bit)	
	internal processing	• 24-bit color	
	color space	• P3	
	LED lifespan (50% brightness)	• 100,000 hours	
	runtime	• 24/7	
Signal	inputs	• 2 x HDMI 2.0 (HDCP), 2 x DisplayPort 1.2 (HDCP)	
	outputs	• 2 x QSFP+ (Bi-directional)	
	control	• 1 x RJ45 Ethernet, USB (RS232 via dongle)	
Power	power input rating	• 100-240 VAC @ 50/60 Hz – remote power supply¹ • 48-56 VDC • 48V Power over Ethernet – per tile	
	power consumption per tile	• 25 W typical, 43 W maximum	• 16 W typical, 32 W maximum
	heat output per tile	• 85 BTU/hr typical; 147 BTU/hr maximum	• 55 BTU/hr typical; 109 BU/hr maximum
Environment	operating temperature	• 32-104 F (0-40 C)	
	operating humidity	• 10-90% RH non-condensing	
	storage temperature	• 14-122 F (-10-50 C)	
	environment	• Indoor	
	IP rating	• 30	
Physical	tile dimensions (installed)	• (W x H x D) 9.45 x 10.63 x 3.35" (240 x 270 x 85mm)	
	tile diagonal	• 14.22" (361mm)	
	tile area	• 0.70ft² (0.0648m²)	
	tile resolution	• 240 x 270	• 320 x 360
	tile weight	• 74.85lbs (34.0kg) per square meter • Total installed weight (including proprietary QuickMount™ system) • 7.06lbs (3.2kg) per tile,108.95lbs (49.4kg) per square meter	
	tile design	• Die-cast aluminum	
	service access	• All service from front	
	installation options	• Flat • Concave • Convex • 90 degree outside and inside corner • Hanging/flying • Creative shapes	
	direct mount system	• QuickMount system included - mounting plates, mounting template, wall anchors	
	additional required components	• Remote power supply rack shelf • Power supply unit modules (rectifiers) • Tile controller (Octroller), and wall controller sold separately	
	additional features	• Encapsulation available only for 1mm model. Both models are TAA-compliant.	
Certifications²	• UL60950, FCC, CE, EMC, RoHS, RC2		
Warranty	• Three years parts and labor limited warranty, extended warranty option available for a one-time fee at time of purchase		

¹ See remote power specifications for full details.
² Certain of the listed certifications may be pending and not yet issued. For the current status of the listed certifications, please contact an authorized Christie representative.

Performance specifications are typical. Due to constant research, specifications are subject to change without notice.

For the most current specification information, please visit christiedigital.com

Octroller

Signal	
inputs	• 2 x QSFP+ (Bi-directional)
outputs	• 8 X RJ45 Ethernet (PoE up to 75W per port)
Power	
power input rating	• 48-56 VDC
power consumption	• 25W maximum
Environment	
operating temperature	• 32-104 F (0-40 C)
operating humidity	• 10-90% RH non-condensing
storage temperature	• 14-122 F (-10-50 C)
environment	• Indoor

QuickMount system

Proprietary QuickMount system includes custom mounting templates, laser-cut steel mounting sheets and machined wall anchors to eliminate any alignment challenges, reducing time and cost.

TAA
COMPLIANT

CHRISTIE ®