

**BRAND NAME OR EQUAL EQUIPMENT
SALIENT CHARACTERISTICS**

Equipment Configuration needed for following ORs: one light to be installed in each Operating Room (1, 2, 4, and 8), 4 lights total needed in this configuration.

Item: F Generation LED Surgical Light

Vendor: Stryker/Berchtold

Model: CHROMOPHARE F 628

Compatibility in ORs with existing equipment mount, with no additional modifications to in-room (below ceiling) structure besides addition of light.

Features:	Low voltage direct drive DC, controlled by 12-360 degree light head rotation, 104 LED configuration, 4 built in color option settings, built in guide light, built in wireless camera technology, optimum laminar flow compliance, ingress protection from dust and moisture, optional integrated ambient light, optional intuitive wall control, surgical lens material (surgical grade medical glass) on light cover.
LED units and light beams:	Incorporate a minimum of 104 LEDs with at least 650 overlapping beams of light to minimize in-surgery adjustment
Light color temperature:	4 color options on light, including 3600K, 4000k, 4500k and 5000k
Guide light:	Unit must allow clinical team to dim main LED surgical lights for minimally invasive cases, ambient light should be green
Wireless camera readiness:	Unit must feature design readiness for implementing wireless 1080i resolution cameras at the light head
Required rotation:	360 degree rotation at the surgical light head
Laminar flow around light:	Rated at SWKI Class 5 for laminar flow compliance
Materials:	Surgical grade medical glass and aluminum casing
Dust/Moisture Intrusion:	Ingress Protection from dust & water of IP 53 standard
Mounting plate from ceiling to arm:	Distance must be less than 12 inches
Arm length:	900mm
Main mount tube Length:	230mm
Focus ability:	Focusable beam range no less than 7 inches – no greater than 12 inches when light is 1 meter from patient plane
Light intensity:	Light must maintain brightness from at least 12 inches to 60 inches from the patient plane.
Power draw:	No more than 2 Amps at 120 VAC

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Ceiling mounting:	Must be able to be mounted concurrently with existing below-ceiling infrastructure in the 4 ORs (Stryker/Berchtold ceiling mount)
Control for unit:	Wall, with keypad option
Electronics in circuit box on Main Mount:	No.
Arm joint:	Cardanic Classic

Life Cycle Support Characteristics:

- Design/utilization for operating room service
- Demonstrated reliability in clean environment
- Demonstrated maintainability, including parts/ service support, training, technical documentation

**BRAND NAME OR EQUAL EQUIPMENT
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Equipment Configuration needed for following ORs: one light and one Video-Power Arm (VPA) needs to be installed in each Operating Room (3, 5, 6, and 7), 4 lights and 4 VPAs total needed in this configuration.

Item: F Generation LED Surgical Light

Vendor: Stryker/Berchtold

Model: CHROMOPHARE F 628

Features:	Low voltage direct drive DC, controlled by 12-360 degree light head rotation, 104 LED configuration, 4 built in color option settings, built in guide light, built in wireless camera technology, optimum laminar flow compliance, ingress protection from dust and moisture, optional integrated ambient light, optional intuitive wall control, surgical lens material (surgical grade medical glass) on light cover.
LED units and light beams:	Incorporate a minimum of 104 LEDs with at least 650 overlapping beams of light to minimize in-surgery adjustment
Light color temperature:	4 color options on light, including 3600K, 4000k, 4500k and 5000k
Guide light:	Unit must allow clinical team to dim main LED surgical lights for minimally invasive cases, ambient light should be green
Wireless camera readiness:	Unit must feature design readiness for implementing wireless 1080i resolution cameras at the light head
Required rotation:	360 degree rotation at the surgical light head
Laminar flow around light:	Rated at SWKI Class 5 for laminar flow compliance
Materials:	Surgical grade medical glass and aluminum casing
Dust/Moisture Intrusion:	Ingress Protection from dust & water of IP 53 standard
Mounting plate from ceiling to arm:	Distance must be less than 12 inches
Arm length:	900mm
Main mount tube Length:	230mm
Focus ability:	Focusable beam range no less than 7 inches – no greater than 12 inches when the light is 1 meter from patient plane
Light intensity:	Light must maintain brightness from at least 12 inches to 60 inches from the patient plane.
Power draw:	No more than 2 Amps at 120 VAC
Control for unit:	Wall, with keypad option
Electronics in circuit box on Main Mount:	Yes.

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Arm joint:	Cardanic Classic
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Video Power Arm Characteristics:

Arm Length:	1100mm
Number of Circuits:	2
Hospital power:	Isolated
Video bundle compatibility:	Stryker equipment/instruments

Life Cycle Support Characteristics:

- Design/utilization for operating room service
- Demonstrated reliability in clean environment
- Demonstrated maintainability, including parts/ service support, training, technical documentation

**BRAND NAME OR EQUAL EQUIPMENT
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Equipment Configuration needed for following ORs: one light and one equipment boom needs to be installed in each Operating Room (3, 5, 6, and 7), 4 lights and 4 equipment booms total needed in this configuration.

Item: F Generation LED Surgical Light, Teletom Equipment boom

Vendor: Stryker/Berchtold

Model: CHROMOPHARE F 628, TP-612-C/TC F628

F Generation LED Surgical Light:

Features:	Low voltage direct drive DC, controlled by 12-360 degree light head rotation, 104 LED configuration, 4 built in color option settings, built in guide light, built in wireless camera technology, optimum laminar flow compliance, ingress protection from dust and moisture, optional integrated ambient light, optional intuitive wall control, surgical lens material (surgical grade medical glass) on light cover.
LED units and light beams:	Incorporate a minimum of 104 LEDs with at least 650 overlapping beams of light to minimize in-surgery adjustment
Light color temperature:	4 color options on light, including 3600K, 4000k, 4500k and 5000k
Guide light:	Unit must allow clinical team to dim main LED surgical lights for minimally invasive cases, ambient light should be green
Wireless camera readiness:	Unit must feature design readiness for implementing wireless 1080i resolution cameras at the light head
Required rotation:	360 degree rotation at the surgical light head
Laminar flow around light:	Rated at SWKI Class 5 for laminar flow compliance
Materials:	Surgical grade medical glass and aluminum casing
Dust/Moisture Intrusion:	Ingress Protection from dust & water of IP 53 standard
Arm length:	900mm
Focus ability:	Focusable beam range no less than 7 inches – no greater than 12 inches when the light is 1 meter from the patient plane
Light intensity:	Light must maintain brightness from at least 12 inches to 60 inches from the patient plane.
Power draw:	No more than 2 Amps at 120 VAC
Control for unit:	Wall, with keypad option
Electronics in circuit box on Main Mount:	Yes.

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Arm joint:	Cardanic Classic
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Teletom Boom Characteristics:

Features:	All-electric brake system with vertical articulation, built in "Emergency Stop" button located on the Boom, vertical articulation capability throughout unit, combined suspension (Single Spindle) non-tandem option
Operating Range:	360 degree customization of services on the boom
Power Requirements on Boom:	KEZR and KEXS Isolated Power per boom, 1047 UL listed
Extension pole:	Top and bottom extensions
Upper Arm Length Required:	1300mm
Mid Tube Length Required:	150mm
Column Tube length required:	250mm
Weight load Capacity:	At least 295 pounds (greater than is preferable)
Brake system:	All-Electric
Front of boom panel:	Connections to N2O, Medical Air, WAGD, O2
Right of boom panel:	Emergency stop
Rear of boom panel:	3 circuits (electric)

Note: Hoses for N2O, Medical Air, WAGD, and Oxygen must not kink in the boom arms and must accommodate existing above ceiling hookups without replumbing the hookups. Diameter of tubing must accommodate from the old hookups to new equipment.

Life Cycle Support Characteristics:

- Design/utilization for operating room service
- Demonstrated reliability in clean environment
- Demonstrated maintainability, including parts/ service support, training, technical documentation

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Equipment Configuration needed for following ORs: one light and one equipment boom needs to be installed in each Operating Room (3, 5, 6, and 7), 4 lights and 4 equipment booms total needed in this configuration.

Item: F Generation LED Surgical Light, Teletom Equipment boom

Vendor: Stryker/Berchtold

Model: CHROMOPHARE F 628, TP-632-C/TC F628

F Generation LED Surgical Light:

Features:	Low voltage direct drive DC, controlled by 12-360 degree light head rotation, 104 LED configuration, 4 built in color option settings, built in guide light, built in wireless camera technology, optimum laminar flow compliance, ingress protection from dust and moisture, optional integrated ambient light, optional intuitive wall control, surgical lens material (surgical grade medical glass) on light cover.
LED units and light beams:	Incorporate a minimum of 104 LEDs with at least 650 overlapping beams of light to minimize in-surgery adjustment
Light color temperature:	4 color options on light, including 3600K, 4000k, 4500k and 5000k
Guide light:	Unit must allow clinical team to dim main LED surgical lights for minimally invasive cases, ambient light should be green
Wireless camera readiness:	Unit must feature design readiness for implementing wireless 1080i resolution cameras at the light head
Required rotation:	360 degree rotation at the surgical light head
Laminar flow around light:	Rated at SWKI Class 5 for laminar flow compliance
Materials:	Surgical grade medical glass and aluminum casing
Dust/Moisture Intrusion:	Ingress Protection from dust & water of IP 53 standard
Arm length:	900mm
Focus ability:	Focusable beam range no less than 7 inches – no greater than 12 inches when the light is 1 meter from patient plane
Light intensity:	Light must maintain brightness from at least 12 inches to 60 inches from the patient plane.
Power draw:	No more than 2 Amps at 120 VAC
Control for unit:	Wall, with keypad option
Electronics in circuit box on Main Mount:	Yes.

**BRAND NAME OR EQUAL EQUIPMENT
SALIENT CHARACTERISTICS**

Arm joint:	Cardanic Classic
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Teletom Boom Characteristics:

Features:	All-electric brake system with vertical articulation, built in "Emergency Stop" button located on the Boom, vertical articulation capability throughout unit, combined suspension (Single Spindle) non-tandem option
Operating Range:	360 degree customization of services on the boom
Power Requirements on Boom:	KEZR and KEXS Isolated Power per boom, 1047 UL listed
Upper Arm Length Required:	1300mm
Mid Tube Length Required:	150mm
Column Tube length required:	250mm
Extension pole:	Top and bottom extensions
Weight load Capacity:	At least 200 pounds (greater than is preferable)
Brake system:	All-Electric
Equipment Shelves:	Four shelves on arm with LED backlight for increased visibility, size of one side of square platform should be greater than 750mm
Shelf control location	3 rd shelf
Front of boom panel:	Top: 3 circuits, electric, Middle: CO2 connection, Bottom: 3 circuits, distribution board
Right of boom panel:	Top: blank, Middle: Emergency Stop, Bottom: 3 circuits
Rear of boom panel:	Top: Televac control panel, Televac filter Middle: Nitrogen control panel, Bottom: 2 vacuum connections
Left of boom panel:	Top: 3 circuits, electric, Middle: blank, Bottom: 3 vacuum

Note: Hoses for N2O, Medical Air, WAGD, and Oxygen must not kink in the boom arms and must accommodate existing above ceiling hookups without replumbing the hookups. Diameter of tubing must accommodate from the old hookups to new equipment.

Life Cycle Support Characteristics:

- Design/utilization for operating room service
- Demonstrated reliability in clean environment
- Demonstrated maintainability, including parts/ service support, training, technical documentation

**BRAND NAME OR EQUAL EQUIPMENT
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Equipment Configuration needed for following ORs: one equipment boom needs to be installed in Operating Room 5, 1 equipment boom total needed in this configuration.

Item: Teletom Equipment boom

Vendor: Stryker/Berchtold

Model: Teletom 6 Series Electric Power TP-622

Features:	All-electric brake system with vertical articulation, built in "Emergency Stop" button located on the Boom, vertical articulation capability throughout unit, combined suspension (Single Spindle) non-tandem option
Operating Range:	360 degree customization of services on the boom
Power Requirements on Boom:	KEZR and KEXS Isolated Power per boom, 1047 UL listed
Equipment Shelves:	One to four shelf capability with flexible mounting options
Upper Arm Length Required:	1000mm
Mid Tube Length Required:	150mm
Column Tube length required:	250mm
Extension pole:	Top and bottom extensions
Weight load Capacity:	At least 250 pounds
Brake system:	All-Electric
Equipment Shelves:	Three shelves on arm with LED backlight for increased visibility, size of one side of square platform should be greater than 750mm
Shelf control location	2 nd shelf
Front of boom panel:	Top: Left: O2 and Air, Right: O2 and Air, Bottom: Left: WAGD, CO2, Right: distribution board
Right of boom panel:	Top: Emergency Stop, Bottom: 2 circuits
Rear of boom panel:	Top: LV 29mm Bottom: 2 vacuum connections, one on right and one on left
Left of boom panel:	Top: blank, Bottom: blank

Note: Hoses for N2O, Medical Air, WAGD, and Oxygen must not kink in the boom arms and must accommodate existing above ceiling hookups without replumbing the hookups. Diameter of tubing must accommodate from the old hookups to new equipment.

Life Cycle Support Characteristics:

- Design/utilization for operating room service
- Demonstrated reliability in clean environment
- Demonstrated maintainability, including parts/ service support, training, technical documentation