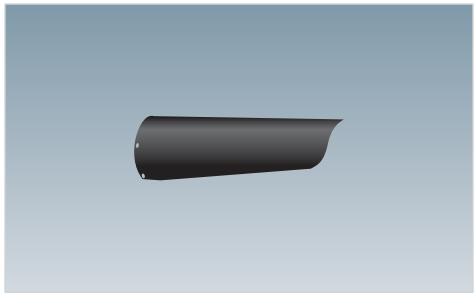
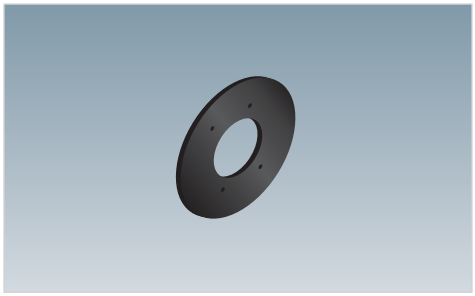
Wayside Signaling Systems Products

CLS-20R Series
Housing and Lighting Modules B43 - B44

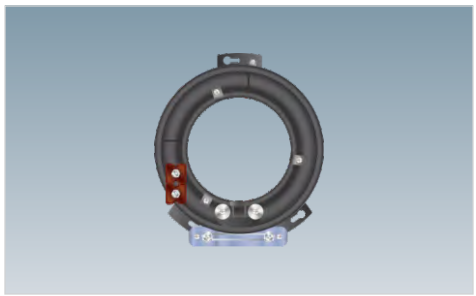


CLS-20R Series
Visors B45

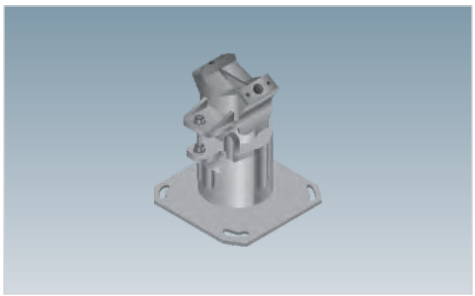


CLS-20R Series
Snowshields B46

CLS-20R Series
Backgrounds B47



CLS-20R Series
Accessories B48 - B49



CLS-20R Series
Mounting Brackets B50

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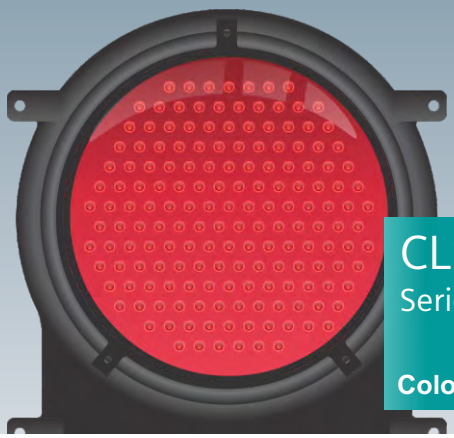

CLS-20R
Series

Colorlight Signaling Systems

Overview

CLS-20R Colorlight Assembly for (2) Aspects shown for reference purposes only! Actual unit selected may vary in mounting and features.

SIEMENS CLS-20R color light signals have a rear-serviceable optical module which includes both inner and outer doublet lenses, as well as the prefocused lamp and socket. Both outer and inner lenses can be inspected, cleaned or replaced without going around to the front of the signal. The background and visor remain in place on the signal housing so the optical module is small, light in weight and easily handled.

The optical module assembly is built with a precision die cast aluminum body and lamp mounting. This assures that the optics will remain rigidly aligned during servicing and light output will be maintained. Doors are interlocked to prevent opening any door that may give less restrictive indication from light entering an open door. This maintains the convenience of individual doors without the possibility of displaying an improper aspect during servicing.

The outer housing is black painted precision die cast aluminum and provides space for AREMA® binding post type terminal blocks, resistors or transformers.

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SIEMENS Part Number	Description
CLS-20R Housing	
NYK:044600-01X	CLS-20R Housing
CLS-20R Lenses and Lighting Modules	
NYK:044054-40	Clear 40° Deflection Lens
NYK:044054	Clear Center Deflection Lens
NYK:044603-L12-R	RED LED 12VDC Lighting Module
NYK:044603-L12-G	GREEN LED 12VDC Lighting Module
NYK:044603-L12-Y	YELLOW LED 12VDC Lighting Module
NYK:044603-L12-L	LUNAR LED 12VDC Lighting Module
CLS-20R Rods	
NYK:044036-1	Locking Rod (1) Aspect
NYK:044036-2	Locking Rod (2) Aspect
NYK:044036	Locking Rod (3) Aspect
NYK:044006-1X	Clamp On Sighting Tool (Requires NYK:044008-1X lifting bracket. See Page B31)
NYK:044004	Lampholder Post
NYK:044005	Lampholder Slide
NYK:042019-10	Bulb Socket

SIEMENS Part Number	Description
CLS-20R Aluminum Visors	
NYK:042005-107	Aluminum 6 3/8" Long Visor w/o Hardware
NYK:042005-107X	Aluminum 6 3/8" Long Visor w/ Hardware
NYK:044018	Aluminum 12" Long Visor w/o Hardware
NYK:044018-X	Aluminum 12" Long Visor w/ Hardware
CLS-20R Polycarbonate Visors	
NYK:042005-19	Polycarbonate 6 3/8" Long Visor w/o Hardware
NYK:042005-19X	Polycarbonate 6 3/8" Long Visor w/ Hardware
NYK:042005-147	Polycarbonate 16" Long Visor w/o Hardware
NYK:042005-147X	Polycarbonate 16" Long Visor w/ Hardware
CLS-20R Steel Visors	
NYK:042005-35	Steel 6 3/8" Long Visor w/o Hardware
NYK:042005-35X	Steel 6 3/8" Long Visor w/ Hardware
NYK:042005-30	Steel 12" Long Visor w/o Hardware
NYK:042005-30AX	Steel 12" Long Visor w/ Hardware

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SIEMENS Part Number	Description
CLS-20R Aluminum Snowshields	
NYK:042005-130	(1) Aspect Aluminum w/o Hardware
NYK:042005-130X	(1) Aspect Aluminum w/ Hardware
NYK:042005-131	(2) Aspect Aluminum w/o Hardware
NYK:042005-131X	(2) Aspect Aluminum w/ Hardware
NYK:042005-130	(3) Aspect Aluminum w/o Hardware
NYK:042005-130X	(3) Aspect Aluminum w/ Hardware
CLS-20R Steel Snowshields	
NYK:042005-128	(1) Aspect Steel w/o Hardware
NYK:042005-128X	(1) Aspect Steel w/ Hardware
NYK:042005-125	(2) Aspect Steel w/o Hardware
NYK:042005-125X	(2) Aspect Steel w/ Hardware
NYK:042005-115	(3) Aspect Steel w/o Hardware
NYK:042005-115X	(3) Aspect Steel w/ Hardware

SIEMENS Part Number	Description
CLS-20R Aluminum Background	
NYK:044021-5	(1) Aspect Aluminum w/o Hardware
NYK:044021-X	(1) Aspect Aluminum w/ Hardware
NYK:044020-7	(2) Aspect Aluminum w/o Hardware
NYK:044020-X	(2) Aspect Aluminum w/ Hardware
NYK:044019-11	(3) Aspect Aluminum w/o Hardware
NYK:044019-X	(3) Aspect Aluminum w/ Hardware
CLS-20R Polycarbonate Background	
NYK:044021-4	(1) Aspect Polycarbonate w/o Hardware
NYK:044021-1X	(1) Aspect Polycarbonate w/ Hardware
NYK:044020-6	(2) Aspect Polycarbonate w/o Hardware
NYK:044020-1X	(2) Aspect Polycarbonate w/ Hardware
NYK:044019-10	(3) Aspect Polycarbonate w/o Hardware
NYK:044019-1X	(3) Aspect Polycarbonate w/ Hardware
CLS-20R Steel Background	
NYK:044021-6	(1) Aspect Steel w/o Hardware
NYK:044021-2X	(1) Aspect Steel w/ Hardware
NYK:044020-8	(2) Aspect Steel w/o Hardware
NYK:044020-2X	(2) Aspect Steel w/ Hardware
NYK:044019-12	(3) Aspect Steel w/o Hardware
NYK:044019-2X	(3) Aspect Steel w/ Hardware

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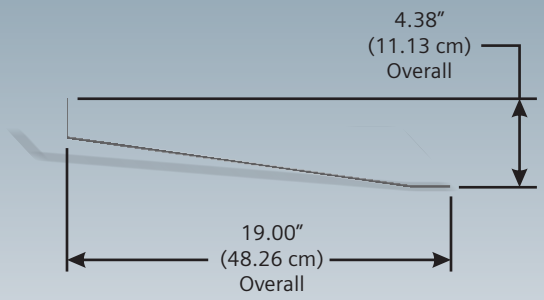
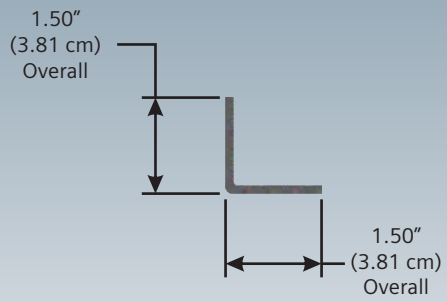
NYK:042005-134



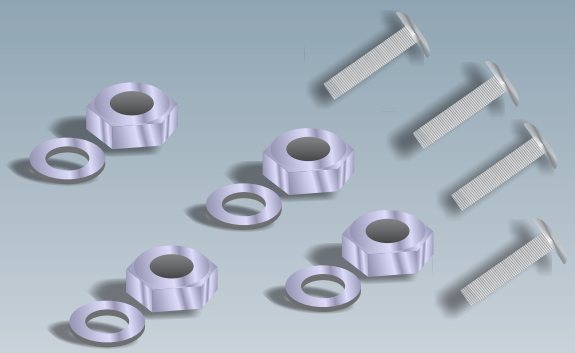
CLS-20R, Visor Brace
- Weight is approx. 0.38 lbs. (0.17 kgs.)
- Aluminum construction
- NO mounting hardware

NYK:042005-135



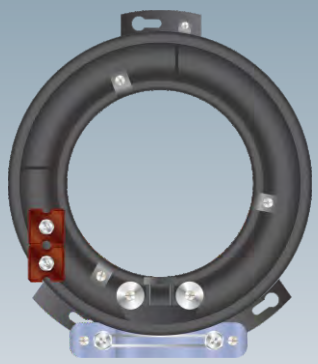
CLS-20R, Visor Brace Angle
- Weight is approx. 0.20 lbs. (0.09 kgs.)
- Aluminum construction
- NO mounting hardware

NYK:042077-500X



Hardware Kit for Visors, Snowshields and Backgrounds
- Weight is approx. 0.5 lbs. (0.23 kgs.)
- (8) 002590-TEJ mach truss head bolt
- (4) 023832 AAR clamp nuts
- (4) 023834 AAR beveled washers

NYK:044603-9GX

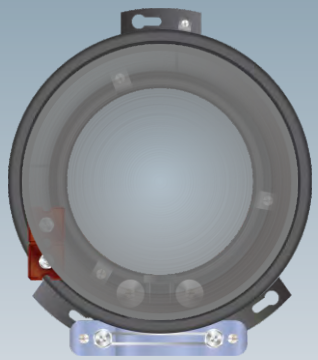


CLS-20R, Lens Bracket
- Weight is approx. 5.0 lbs. (2.27 kgs.)
- Aluminum construction
- NO mounting hardware

NYK:044008-1X

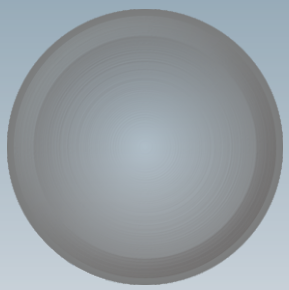
CLS-20R Module Lifting Bracket
- Weight is approx. 1.6 lbs. (0.73 kgs.)
- Aluminum construction
- NO mounting hardware

NYK:044603-1RX



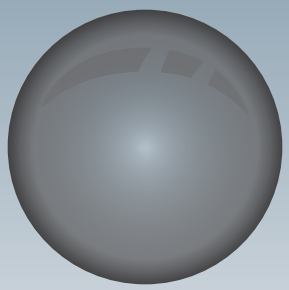
Lens Bracket Assembly
- Weight is approx. 5.0 lbs. (2.27 kgs.)
- Aluminum construction
- NO mounting hardware

NYK:042258-2



CLS Anti Phantom Screen Lens
- Weight is approx. 0.5 lbs. (0.23 kgs.)

NYK:044607-BX



CLS Blackout Lens Kit
- Weight is approx. 0.3 lbs. (0.13 kgs.)
- Includes blackout lens and gasket

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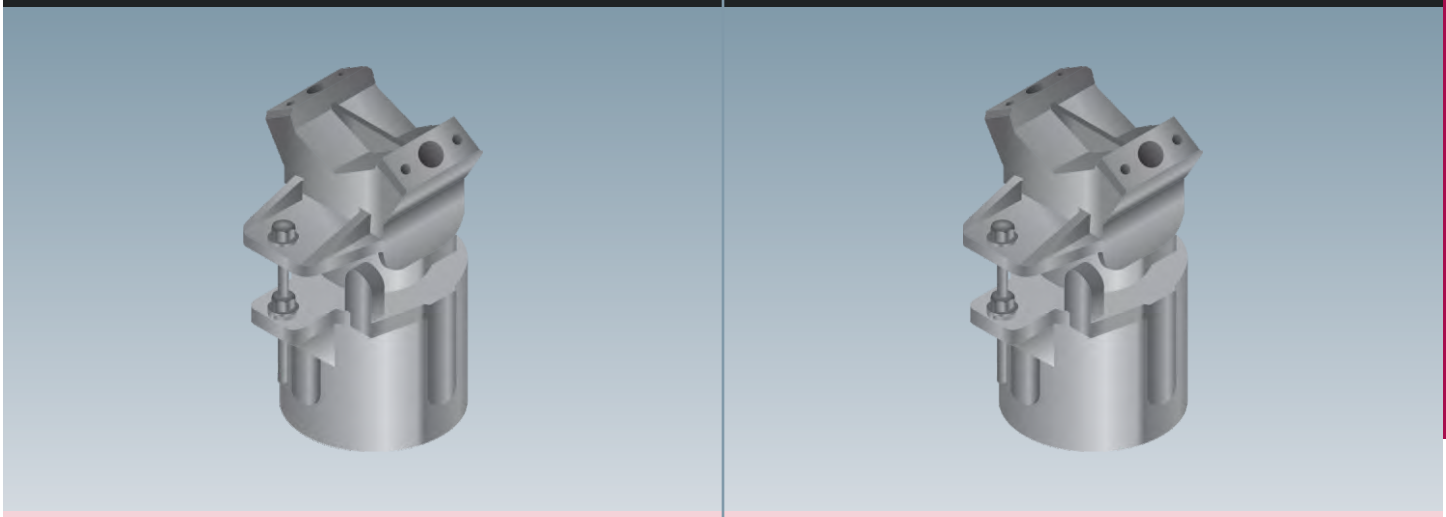
NYK:044011-4X

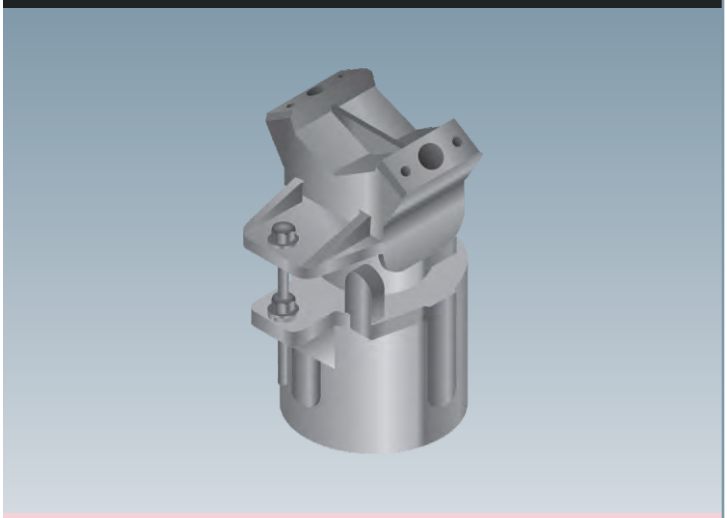


Top of Mast Bracket
- Weight is approx. 15.5 lbs. (7.03 kgs.)
- Aluminum construction
- Includes mounting hardware

NYK:044011-5X

Top of Mast Bracket
- Weight is approx. 15.5 lbs. (7.03 kgs.)
- Aluminum construction
- Includes mounting hardware

NYK:044011-14X



Top of Mast Bracket
- Weight is approx. 15.5 lbs. (7.03 kgs.)
- Aluminum construction
- Includes mounting hardware