



DOT-LED® Lighting Systems

Optics

- Certified by an AMECA-accredited testing laboratory to meet or exceed SAE warning lighting requirements in the appropriate specified safety colors
- Lighting profile easily defines the width and height of a highway vehicle
- Wide-angle Super-LED® lighthoods ensure visibility when dump body is raised or lowered, including forward dump bodies
- All warning lighthood colors are Amber. For other colors, contact factory
- Multiple flash patterns and sequence options provide improved reference for motorists in determining the distance to and location of maintenance vehicles

Design

- Pure copper stranded conductors used in all TPE cables are tin coated, providing superior longevity
- A 12" protective section of flex-tubing and coupling to the housing prevents cable chafing
- All rear lighthoods are furnished with Deutsch® waterproof connectors
- Each system includes a complete installation kit, including cable harnesses
- 400 and 700 Series lighthood housings are 7 gauge welded stainless steel
- 500 Series lighthood housings are 11 gauge welded stainless steel
- Optional welded aluminum housings are also available

Front System Components

Front system components are offered in four Super-LED models with combined 360° warning visibility. Includes 60' of heavy-duty TPE cable.

Micro Freedom®



3.75" (95mm) H x 9.313" (236mm) D x 12.313" (312mm) L

Micro 400



3.75" (95mm) H x 10.75" (272mm) D x 10" (254mm) L

Stainless Steel Micro 400



3.625" (92mm) H x 8.25" (209mm) D x 8.25" (209mm) L

Remote L31 Beacon

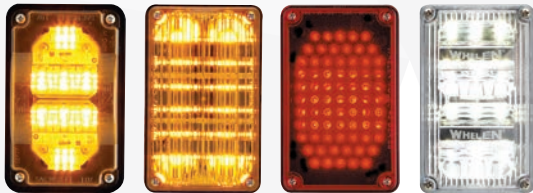


4.50" (102mm) H x 7.188" (182mm) Dia.

Rear Lighthoods

Rear lighthoods are offered in three sizes. Super-LED lighthoods have specially designed lenses for wide light output. All lighthoods are supplied with Deutsch waterproof connectors.

400 Series



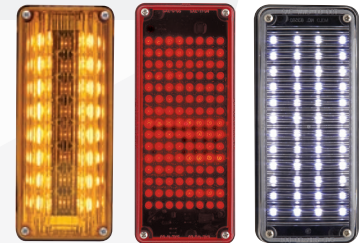
4.938" (124mm) H x 3.188" (77mm) W

500 Series



5" (127mm) H x 1.625" (41mm) W

700 Series



7.25" (184mm) H x 3.063" (78mm) W

Rear Housings

Rear mounted lighthoods include 30' heavy-duty, oil resistant TPE jacketed cable with strain relief flex-tubing and couplings that provide added safeguard against the elements.

400 Series



Height: Single: 5.845" (149mm)
Double: 11.375" (290mm)
Triple: 17" (430mm)
Width: 3.50" (88mm)
Depth: 4.75" (120mm)

500 Series



Height: Single: 7" (178mm)
Double: 13.75" (348mm)
Triple: 20.375" (518mm)
Width: 2.50" (65mm)
Depth: 5" (127mm)

700 Series



Height: Single: 8.375" (213mm)
Double: 16.25" (412mm)
Triple: 24" (608mm)
Width: 3.50" (88mm)
Depth: 5" (127mm)

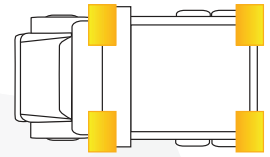
Light Systems

DOT3401, DOT3501 & DOT3701 4 Light System

Two Micro Freedom® lightheads with extended corner modules and two rear lighthead options

SYSTEM 401 with 400 Series Lightheads

DOT3401A	Warning
DOT3401B	Warning and brake/tail/turn
DOT3401D	Warning, brake/tail/turn and back-up



SYSTEM 701 with 700 Series Lightheads

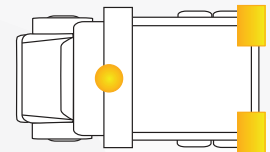
DOT3701A	Warning
DOT3701B	Warning and brake/tail/turn
DOT3701D	Warning, brake/tail/turn and back-up

DOT3402, DOT3502 & DOT3702 3 Light System

One L31 remote beacon and two rear lighthead options

SYSTEM 402 with 400 Series Lightheads

DOT3402A	Warning
DOT3402B	Warning and brake/tail/turn
DOT3402D	Warning, brake/tail/turn and back-up



SYSTEM 702 with 700 Series Lightheads

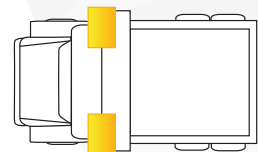
DOT3702A	Warning
DOT3702B	Warning and brake/tail/turn
DOT3702D	Warning, brake/tail/turn and back-up

DOT3103 2 Light System

Two Micro Freedoms with extended corner modules

SYSTEM 103

DOT3103	Two front Amber warning lights
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DOT3404, DOT3504 & DOT3704 2 Light System

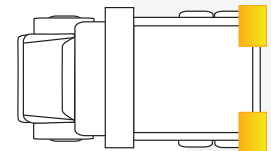
Two rear lighthead options

SYSTEM 404 with 400 Series Lightheads

DOT3404A	Warning
DOT3404B	Warning and brake/tail/turn
DOT3404D	Warning, brake/tail/turn and back-up

SYSTEM 704 with 700 Series Lightheads

DOT3704A	Warning
DOT3704B	Warning and brake/tail/turn
DOT3704D	Warning, brake/tail/turn and back-up



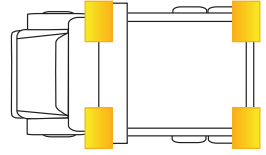
Light Systems

DOT3405, DOT3505 & DOT3705 4 Light System

Two Micro 400s and two rear lighthouse options

SYSTEM 405 with 400 Series Lightheads

DOT3405A	Warning
DOT3405B	Warning and brake/tail/turn
DOT3405D	Warning, brake/tail/turn and back-up



SYSTEM 705 with 700 Series Lightheads

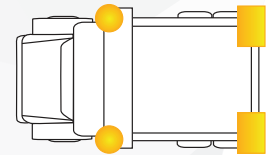
DOT3705A	Warning
DOT3705B	Warning and brake/tail/turn
DOT3705D	Warning, brake/tail/turn and back-up

DOT3406, DOT3506 & DOT3706 4 Light System

Two L31 remote beacons and two rear lighthouse options

SYSTEM 406 with 400 Series Lightheads

DOT3406A	Warning
DOT3406B	Warning and brake/tail/turn
DOT3406D	Warning, brake/tail/turn and back-up



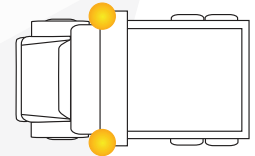
SYSTEM 706 with 700 Series Lightheads

DOT3706A	Warning
DOT3706B	Warning and brake/tail/turn
DOT3706D	Warning, brake/tail/turn and back-up

DOT3107 2 Light System

Two remote L31 Beacons

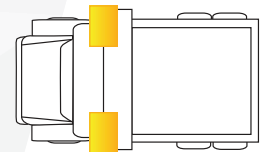
DOT3107	Two front Amber warning lights
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DOT3108 2 Light System

Two Micro 400s

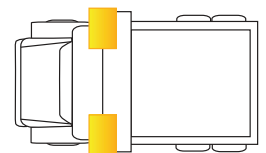
DOT3108	Two front Amber warning lights
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DOT3109 2 Light System

Two stainless steel Micro 400s

DOT3109	Two front Amber warning lights
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Light Systems

DOT3410, DOT3510 & DOT3710

4 Light System

Two stainless steel Micro 400s and two rear lighthouse options



SYSTEM 410

with 400 Series Lightheads

DOT3410A	Warning
DOT3410B	Warning and brake/tail/turn
DOT3410D	Warning, brake/tail/turn and back-up

SYSTEM 710

with 700 Series Lightheads

DOT3710A	Warning
DOT3710B	Warning and brake/tail/turn
DOT3710D	Warning, brake/tail/turn and back-up

SmartLogic™ Programmable Flasher



Engineered to maintain situational awareness of the operator, the SmartLogic Programmable Flasher houses numerous innovative technologies that deliver highly effective visual warning.

- Housed in a junction box for ease of mounting, along with wiring and connection protection
- Software is configurable via USB port

- All 8 5-amp solid-state outputs are internally protected and fused
- 5 activating inputs
- 3 non-activating inputs for low power, photocell, and brake/tail/turn cutoff
- Default flash pattern
- LED onboard diagnostic indicators signify active outputs and blown fuses
- Day and night mode truck setups

DOT Options

SnowAway™

Introducing industry-first technology for preventing snow build up on rear corner post lights in most conditions.

- Tempered glass heats uniformly and keeps lenses at 45° F in most conditions
- Switches on automatically when the temperature drops below 40° F, providing zero operator involvement
- LED indicator light in the cab automatically notifies operator that the system is on or off
- On/Off switch located in the cab allows operator to manually control the system if needed
- Tempered glass uses between 1-4 amps (colder temperature increases amp draw)
- Housing and lens design accommodates three lightheads
- 14 gauge wire included

H400SV	400 Series heated lens system
H400VD	400 V-Series™ heated lens system

*DOT lighting system sold separately. Option includes heated lens system only. Works with following system models: DOT3401D, DOT3402D, DOT3404D, DOT3405D, DOT3406D and DOT3410D



L31 Branch Guard

Cast aluminum brush guard



L360BGB

Brush guard for one L31 beacon

DOT Options

400 Series

Super-LED® Back-Up Light

The 400 Series Super-LED Back-Up Light provides high intensity work zone illumination to increase operator and workforce safety

- Downward ground illumination optics
- Available in horizontal or vertical mount
- Mounts into 400 Series housings
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals



* Standard Option

W400 V-Series

Dual purpose optics provide maximum rear corner post warning for all dump body positions.

- SAE Class 1 Certified
- Single color warning utilizing linear technology placed in both directions
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Vibration, moisture, and corrosion resistant
- Mounts vertically into DOT stainless steel housing
- Works in conjunction with current DOT flasher models
- Conformal coated PC boards
- 12" pigtail with Deutsch® waterproof connector and strain relief



SUB40BUH Substitute (2) 400 Horiz Backups for Vert

SUB4V400 Substitute (2) Amber 400VV for 400 Linear Warning



Switch Control Panels

- Rated at 25 amps per switch
- Compact rocker style single pole/single throw switches
- Individual spade-type fused located on rear mounted fuse strip

PCC4W	Four switches
PCC6W	Six switches



Combination LED spot/flood or flood work light

- Rubber housing and stainless steel hardware

P36SLCHG	PAR-36
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Pioneer Micro™ flood light

- Die-cast aluminum Black powder coated housing
- 3/8 stud carriage bolt mount
- Includes three additional lenses:
 - Flood with 90°x20° wide optics
 - Flood with 40°x20° optics
 - Flood with 40°x8° horizontal optics

MPBB	Pioneer Micro, White
MPBBA	Pioneer Micro, Amber



Wing Plow™ Lighting Systems

- TIR3 or LINZ6™ light modules for high visibility in both the snowplow's wing in stowed and travel positions

WPLOW3AA	TIR3 light modules
WPLOW1A	Operating, Amber TIR3
WPLOWZ1A	Operating, Amber LINZ6
WPLOW2A	Stowed, Amber TIR3
WPLOWZ2A	Stowed, Amber LINZ6
WPLOWZ3A	LINZ6 light modules



TIR3™ Side Light

- For 400 and 700 Series rear housings

ADD4TIR3	400 Series
ADD7TIR3	700 Series



Photocell

- Hi/Low power, includes Black flange

NEW LCPHOTO	Logic level photocell
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Extension Cables

- Single or pairs in 30' and 45' lengths

SUBF4C45	Pair, 45'
SUBF4C30	Pair, 30'
SUBF2C45	Single, 45'
SUBF2C30	Single, 30'
SUBR2C45	Substitute 45' 2/C rear cable
SUBR5C45	Substitute 45' 5/C rear cable