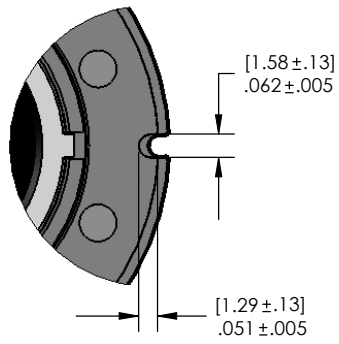
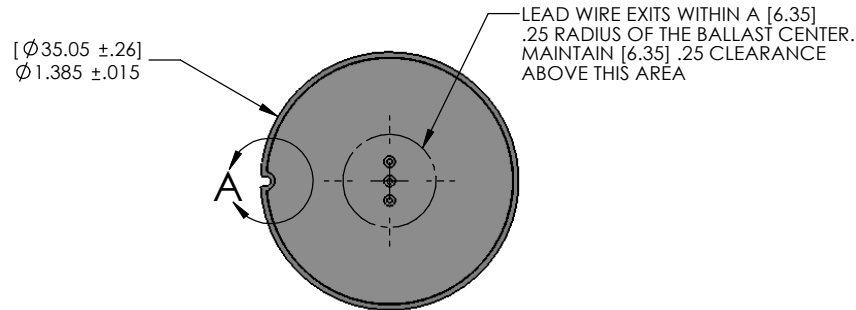
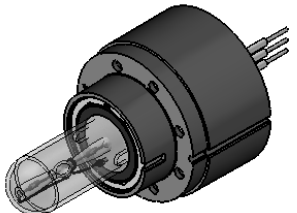
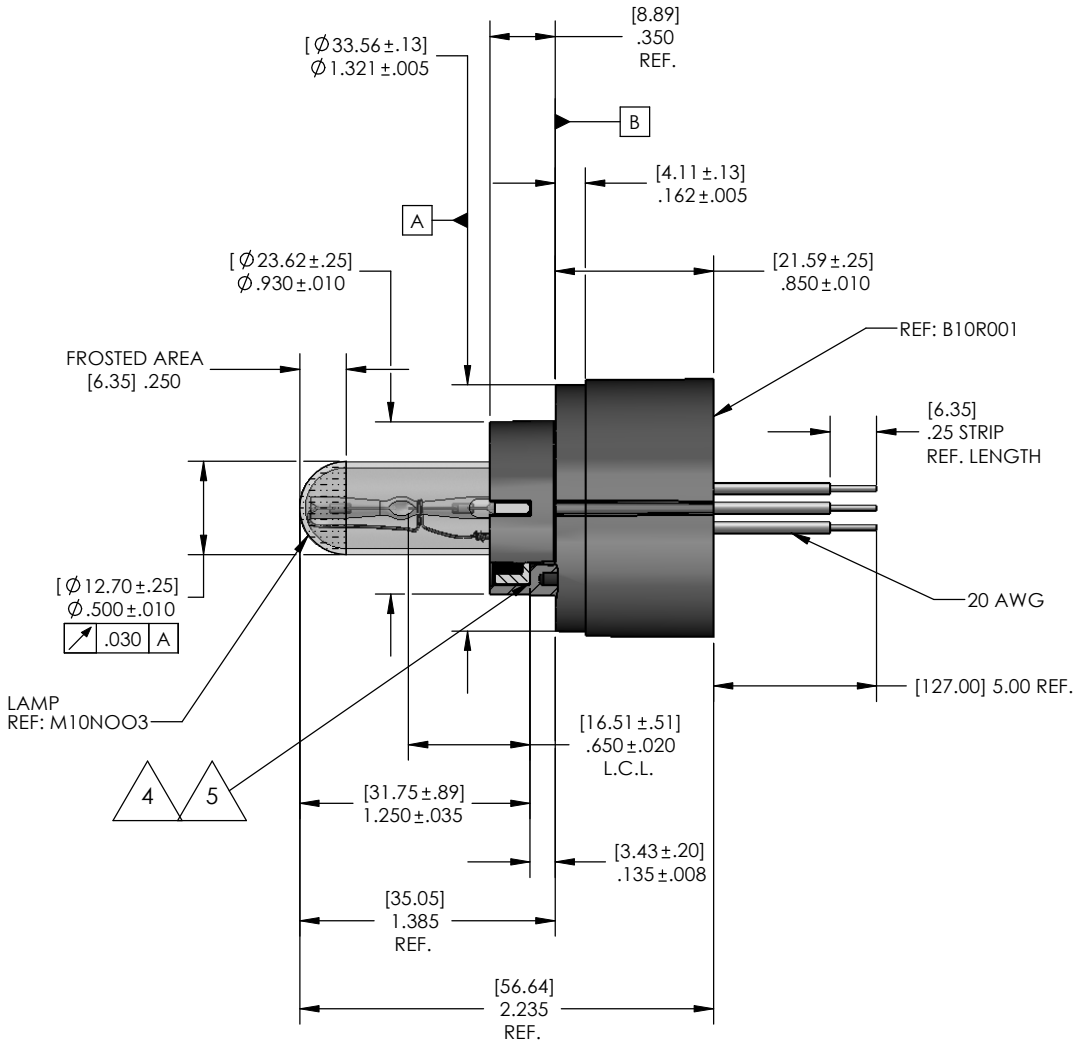


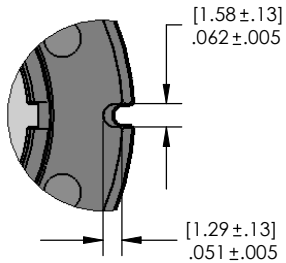
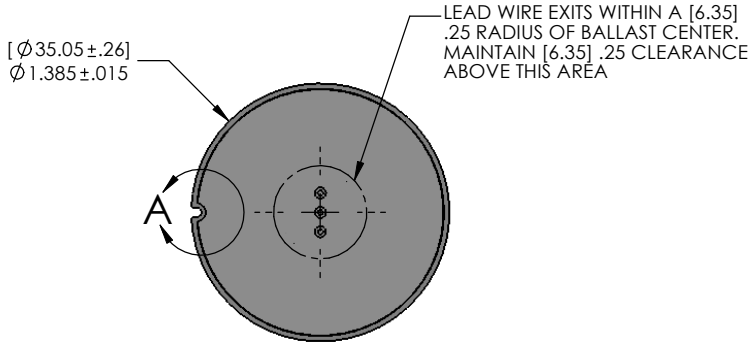
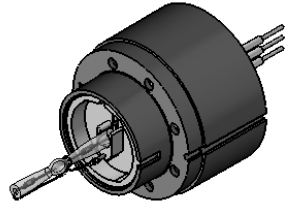
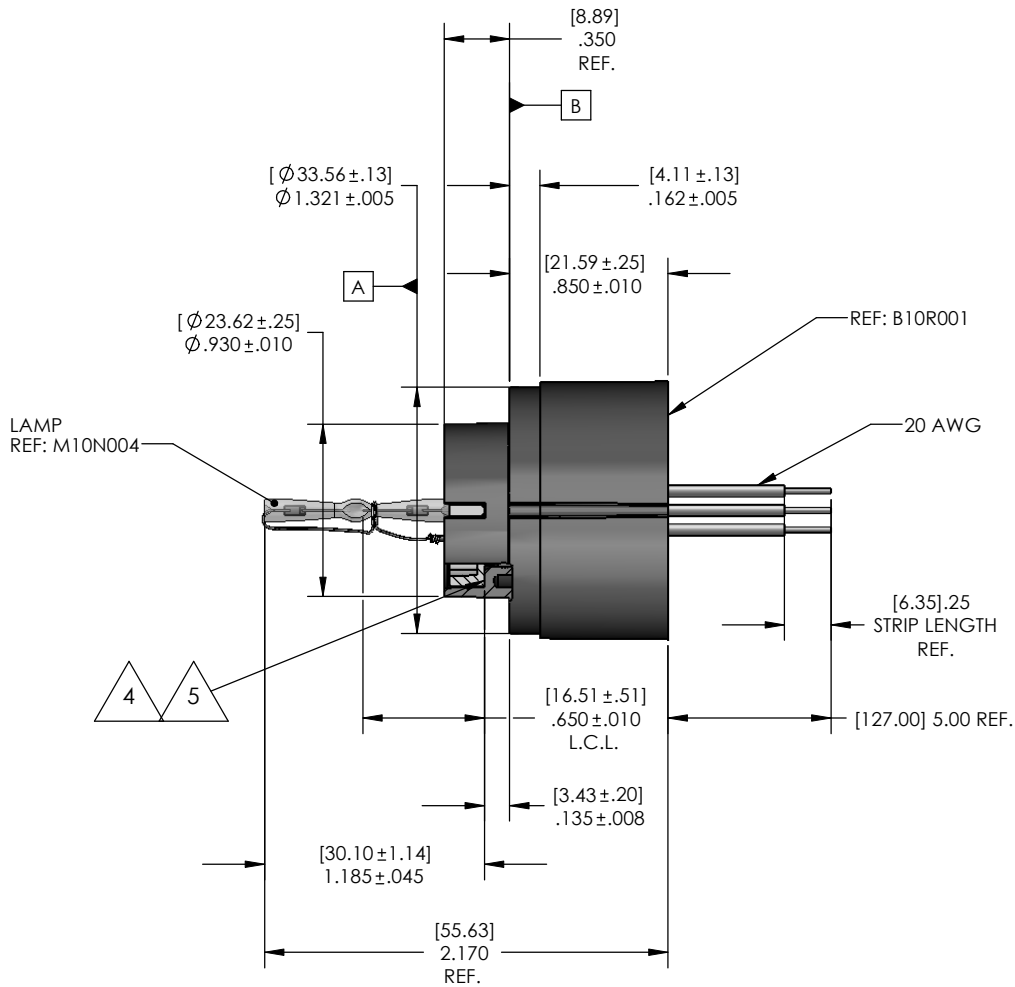
VER	DESCRIPTION	ECN #	INIT	DATE	APVD D*
A	ENGINEERING RELEASED	5001211	AJM	2008-2-21	D*
B	RELEASE TO PRODUCTION	5001772	AJM	2008-3-20	D*



DETAIL A
SCALE 3:1
(OPP. END)

NON-PRODUCT DRAWING	PART NO.		DESCRIPTION		
	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WELCH ALLYN, INC. AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS A BASIS FOR MANUFACTURE OR SALE OF EQUIPMENT OR DEVICES WITHOUT WRITTEN PERMISSION. * SEE SAP DIGITAL SIGNATURE LOG FOR APPROVAL DETAILS.				
	DRAWN BY	DATE			
	A. MARTELLARO	1/16/08			
	APPROVED	DATE	MATERIAL:		
	REL TO PROD.	DATE	FINISH:		
	D*	D*			
	CAD SOFTWARE:	SOLIDWORKS	TITLE		
			APPLICATION DRAWING DUAL WATTAGE BALLAST AND COMPACT HID LAMPS		
	UNLESS OTHERWISE SPECIFIED TOLERANCES .XX = ±.02 .XXX = ±.005 ANGLES ±2° DIMENSIONS ARE IN INCHES		DWG SIZE	DRAWING NO.	REV
		B	60025638	B	
SCALE		NTS	SHEET 1 OF 4		

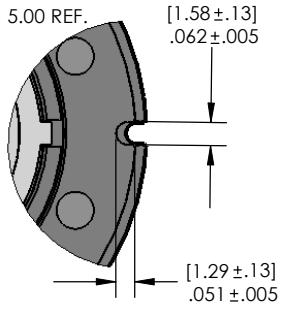
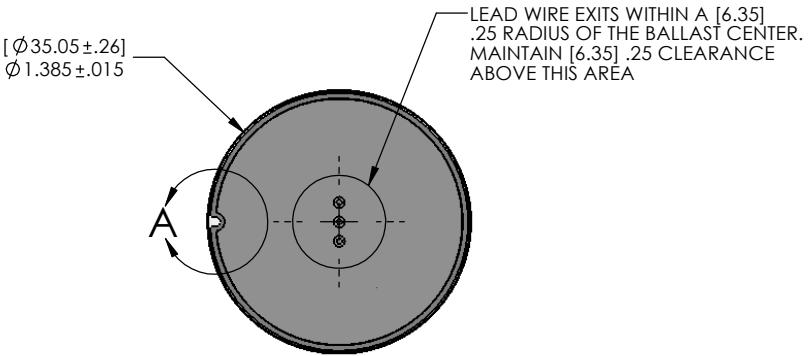
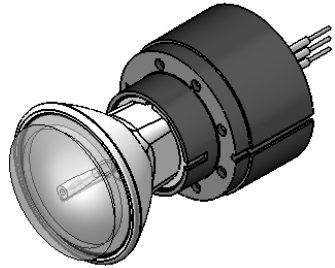
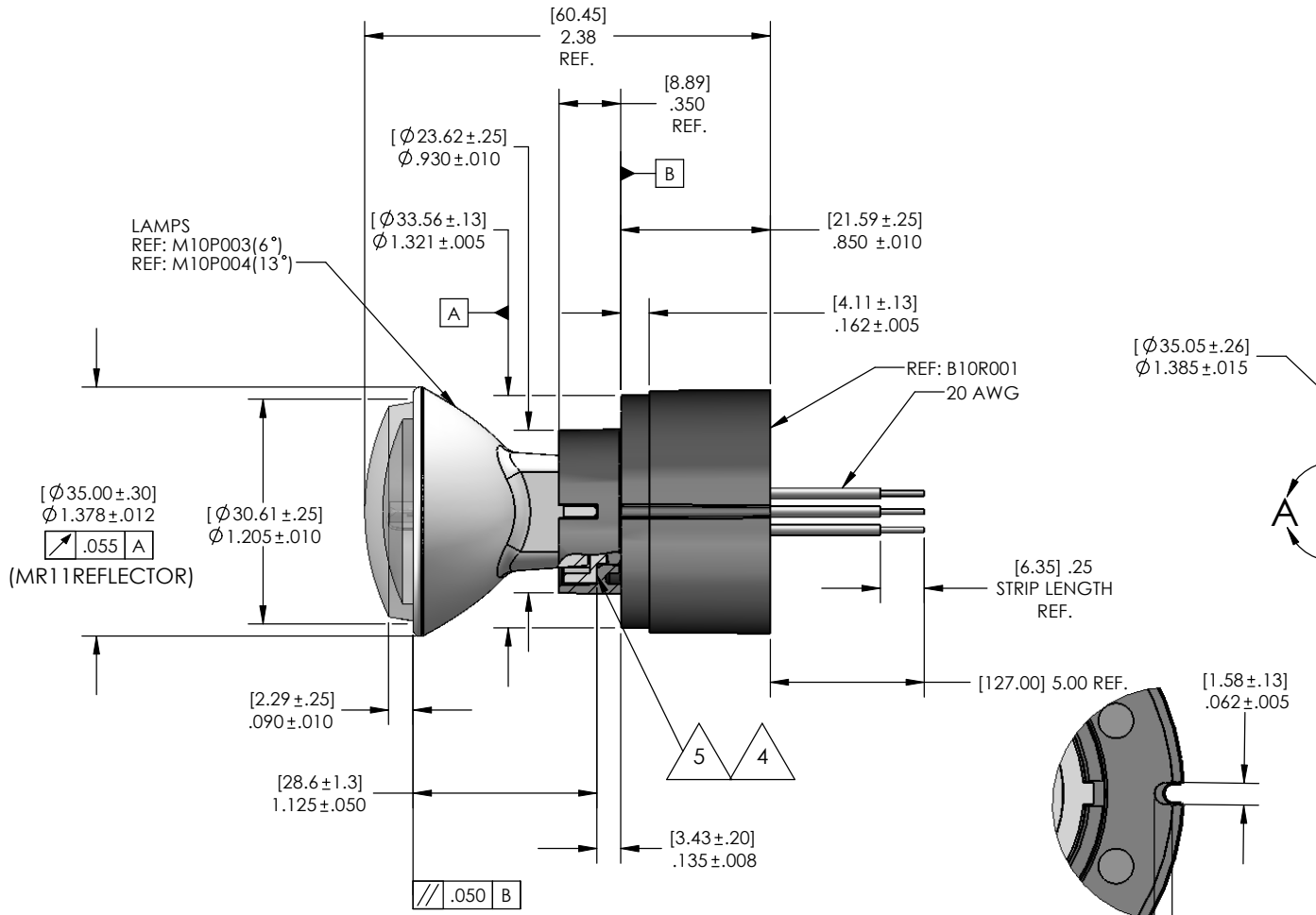
VER	DESCRIPTION	ECN #	INIT	DATE	APVD
A	ENGINEERING RELEASE	5001211	AJM	2008-2-21	D*
B	RELEASE TO PRODUCTION	5001772	AJM	2008-3-20	D*



DETAIL A
SCALE 3:1
(OPP. END)

NON-PRODUCT DRAWING	PART NO.		DESCRIPTION		
	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WELCH ALLYN, INC. AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS A BASIS FOR MANUFACTURE OR SALE OF EQUIPMENT OR DEVICES WITHOUT WRITTEN PERMISSION. * SEE SAP DIGITAL SIGNATURE LOG FOR APPROVAL DETAILS.				
	DRAWN BY	DATE			
	A.MARTELLARO	1/16/07			
	APPROVED	DATE	MATERIAL:		
	D*	D*	FINISH:		
	CAD SOFTWARE:	SOLIDWORKS	TITLE		
	UNLESS OTHERWISE SPECIFIED TOLERANCES		APPLICATION DRAWING DUAL WATTAGE BALLAST AND COMPACT HID LAMPS		
	.XX = ±.02 .XXX = ±.005 ANGLES ±2° DIMENSIONS ARE IN INCHES				
	DWG SIZE	DRAWING NO.	REV		
B	60025638	B			
SCALE	NTS	SHEET 2 OF 4			

VER	DESCRIPTION	ECN #	INIT	DATE	APVD
A	ENGINEERING RELEASE	501211	AJM	2008-2-21	D*
B	RELEASE TO PRODUCTION	5001772	AJM	2008-3-20	D*



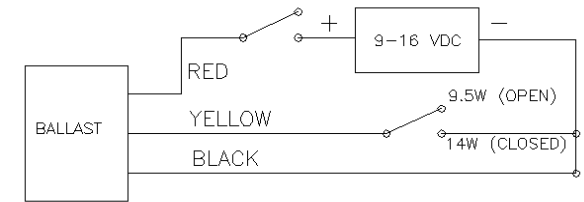
DETAIL A
SCALE 3:1
(OPP. END)

PART NO.		DESCRIPTION		
<small>THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WELCH ALLYN, INC. AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS A BASIS FOR MANUFACTURE OR SALE OF EQUIPMENT OR DEVICES WITHOUT WRITTEN PERMISSION. * SEE SAP DIGITAL SIGNATURE LOG FOR APPROVAL DETAILS.</small>				
DRAWN BY A.MARTELLARO	DATE 01/17/08			
APPROVED	DATE			MATERIAL:
REL TO PROD. D*	DATE D*	FINISH:		
CAD SOFTWARE: SOLIDWORKS	TITLE APPLICATION DRAWING DUAL WATTAGE BALLAST AND COMPACT HID LAMPS			
<small>UNLESS OTHERWISE SPECIFIED TOLERANCES .XX = ±.02 .XXX = ±.005 ANGLES 12° DIMENSIONS ARE IN INCHES</small>		DWG SIZE B	DRAWING NO. 60025638	REV B
SCALE	NTS	SHEET 3 OF 4		

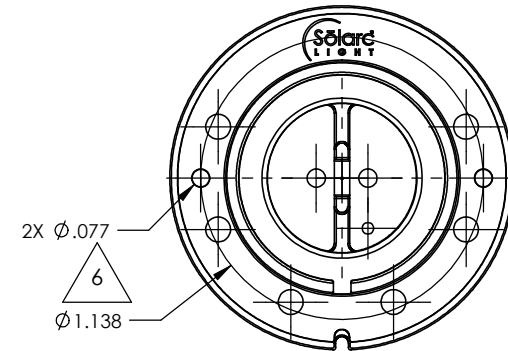
NON-PRODUCT DRAWING

SPECIFICATION	B10R001-M10P003	B10R001-M10P004	B10R001-M10N003	B10R001-M10N004
Input voltage	9-16 VDC	9-16 VDC	9-16 VDC	9-16 VDC
Max. safe continuous operating input voltage	18 VDC	18 VDC	18 VDC	18 VDC
Max instantaneous input voltage	19 VDC	19 VDC	19 VDC	19 VDC
Efficiency @ 12 VDC - 25 °C nominal lamp resistive load 600 Ohms	85% Nom low 85% Nom high	85% Nom low 85% Nom high	85% Nom low 85% Nom high	85% Nom low 85% Nom high
Ballast output wattage (regulated across input voltage range)	9.5W Nom low 14.0W Nom high	9.5W Nom low 14.0 Nom high	9.5W Nom low 14.0 Nom high	9.5W Nom low 14.0 Nom high
Ballast input Wattage @ 12 vdc - 25 °C nominal lamp resistive load 600 Ohms	11.5W Nom low 16.9W Nom high	11.5W Nom low 16.9 Nom high	11.5W Nom low 16.9 Nom high	11.5W Nom low 16.9 Nom high
Maximum continous ballast operational case temperature	90 °C Max	90 °C Max	90 °C Max	90 °C Max
Lamp output - Lumens	Face lumens 500 Nom low 1000 Nom high	Face lumens 500 Nom low 1000 Nom high	Spherical lumens 990 Nom high	Spherical Lumens 990 Nom high
CCT @ 14W	6900 Nom	6900 Nom	7750 Nom	7750 Nom
Preferential lamp orientation	Arc axis horizontal, slot down	Arc axis horizontal, slot down	Arc axis horizontal, slot down	Arc axis horizontal, slot down

VER	DESCRIPTION	ECN #	INIT	DATE	APVD
A	ENGINEERING RELEASE	5001211	AJM	2008-2-21	D*
B	RELEASE TO PRODUCTION	5001772	AJM	2008-3-20	D*



WIRE DIAGRAM



APPLICATION GUIDANCE NOTES:

MOUNTING:

1. USE FEATURES AT DATUMS -A- AND -B- IF POSSIBLE FOR OPTIMUM BALLAST MOUNTING. SLOT FEATURE AT DETAIL "A" CAN BE USED FOR POSITION AND TO PROVIDE ANTIROTATION WHERE APPLICABLE.
2. LAMP TO BALLAST TOLERANCES OF LOCATION ARE PROVIDED AS REFERENCE.
3. FOR APPLICATIONS THAT REQUIRE BONDING, BALLAST HOUSING MATERIAL IS PPS.

- 4 APPLICATION SHALL ENSURE LAMP BASE SHOULDER IS SEATED TO BALLAST AT LOCATION SHOWN.
- 5 LAMP BASE IS PROVIDED WITH AN INTEGRAL O-RING TO DAMPEN SHOCK LOADS TO LAMP'S ARC TUBE.
- 6 BALLAST HOUSING INCLUDES #2 PLASTITE TYPE FASTENER FEATURES AT LOCATIONS SHOWN TO ALLOW FOR BALLAT MOUNTING. MAXIMUM THREAD PENETRATION DEPTH IS .196" (5MM).

ELECTRICAL:

1. RECOMMENDED ALL APPLICATION BE PROPERLY FUSED.
2. NO REVERSE POLARITY PROTECTION.

NON-PRODUCT DRAWING	PART NO.		DESCRIPTION		
	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WELCH ALLYN, INC. AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS A BASIS FOR MANUFACTURE OR SALE OF EQUIPMENT OR DEVICES WITHOUT WRITTEN PERMISSION. SEE SAP DIGITAL SIGNATURE LOG FOR APPROVAL DETAILS.				
	DRAWN BY	DATE			
	A.MARTELLARO	1/18/07			
	APPROVED	DATE	MATERIAL:		
	REL TO PROD.	DATE	FINISH:		
	D*	D*			
	CAD SOFTWARE:	SOLIDWORKS	TITLE		
	UNLESS OTHERWISE SPECIFIED TOLERANCES		APPLICATION DRAWING		
	.XX = ±.02		DUAL WATTAGE BALLAST		
.XXX = ±.005		AND COMPACT HID LAMPS			
ANGLES 12°		DWG SIZE	DRAWING NO.	REV	
DIMENSIONS ARE IN INCHES		B	60025638	B	
SCALE		NTS	SHEET 4 OF 4		