Customer Product/Process Change Notification

PCN # TPC13120503_OPCSDIF

Issued Date: 12/16/2013

Issued By: Dave Weimer

Author: DW

Change affects whole product family?	NO

Part #'s affected (See attached if entire product family is affected)

OPC11SDIF, OPXP1SDIF AND OPXC1SPOT

Description of Change:

Obsoleteing OPC11SDIF and to be replaced with OPXC1SPOT
Obsoleteing OPXP1SDIF and to be replaced with OPXC1SPOT

Reason for Change:

New Optic is compatible with Rebel ES, Rebel LXLM, Cree XPG, Cree XTE and Nichia 219B.

Properties of Old vs. Changed Product:

Optical Output:
SDIF Rebel = 7° (Half Divergence) Rebel
Spot Universal = see page 2 for Full Divergence details
see page 2 for visiual and dimensional changes (Universal Optics is taller and smaller in dia.)

Disposition of Old Product:

deplete existing inventory

Expected Implementation Date:	Jan 1,2014
Customer Feedback Expected by:	N/R

Additional Comments: (Include Potential Risks if Appropriate)

Supporting Qualification Data:

Approved By:

(Minimum of three approvals are required.)

Vice President of Operations:

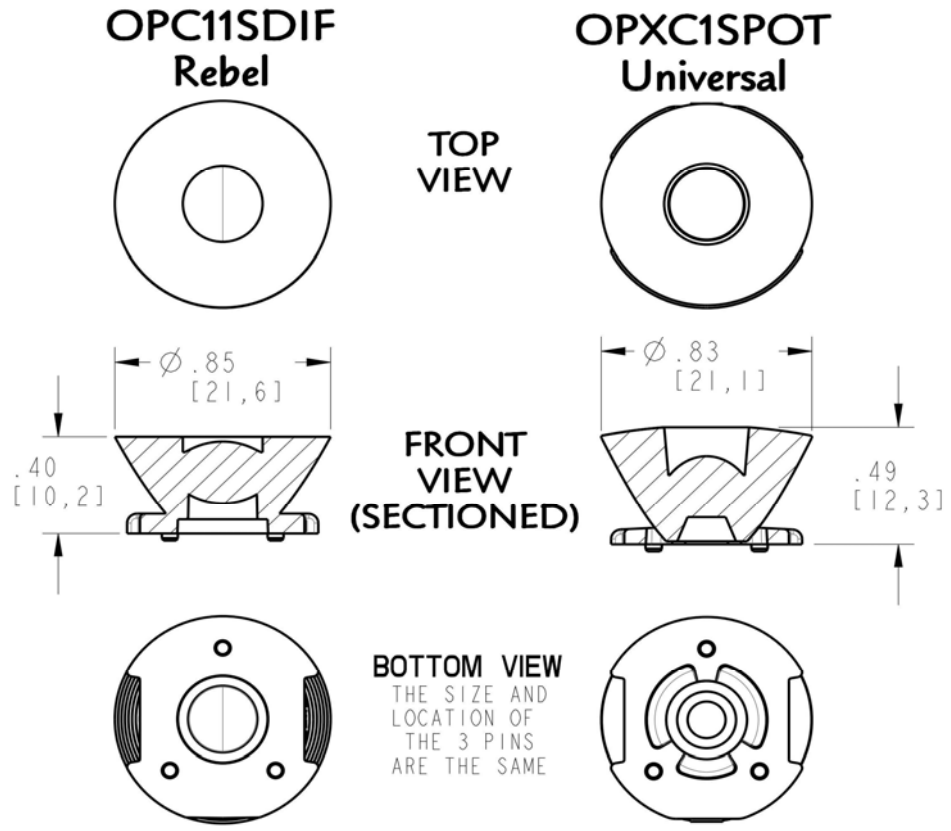
Vice President of Sales OED/Signals:

Director of Customer Service: *Kathy Smith*

Applications Engineer *Dave Weimer*

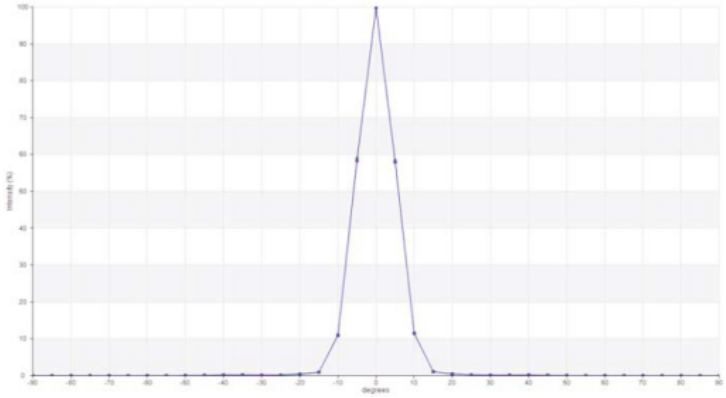
Director of Quality: *Rich Liskoff*


OPC11SDIF and
OPXP1SDIF
TIR Spot Diffused - Rebel
OPXC1SPOT
TIR Spot- Universal


OPC11SDIF
Rebel
OPXC1SPOT
Universal
TOP
VIEW
Ø.85
[21,6]
.40
[10,2]
FRONT
VIEW
(SECTIONED)
Ø.83
[21,1]
.49
[12,3]
BOTTOM VIEW
THE SIZE AND
LOCATION OF
THE 3 PINS
ARE THE SAME

OPC11SDIF OPXP1SDIF
Rebel = 7°
the above angle is refered to half divergence

OPXC1SPOT



The typical full-width at half-maximum emission angle
10° (+/- 5 degree) for Cree XPG
10° (+/- 5 degree) for Cree XTE
12° (+/- 6 degree) for Luxeon rebel ES
10° (+/- 5 degree) for Luxeon rebel LXLM
13° (+/- 6.5 degree) for Nichia 219B